

DEP ROUTING AND TRANSMITTAL SLIP

TO: (NAME, OFFICE, LOCATION)

1. Cindy Phillips 3. _____
2. BAR 4. _____
5. MS5505

PLEASE PREPARE REPLY FOR:

- SECRETARY'S SIGNATURE
- DIV/DIST DIR SIGNATURE
- MY SIGNATURE
- YOUR SIGNATURE
- DUE DATE _____

ACTION/DISPOSITION

- DISCUSS WITH ME
- COMMENTS/ADVISE
- REVIEW AND RETURN
- SET UP MEETING
- FOR YOUR INFORMATION
- HANDLE APPROPRIATELY
- INITIAL AND FORWARD
- SHARE WITH STAFF
- FOR YOUR FILES

COMMENTS:

GP Plywood
TB Application
Suspect ~~TDND~~
Health Based
Alternative

RECEIVED

SEP 18 2006

BUREAU OF AIR REGULATION

FROM:

Rita Smith

DATE:

9/14/06

PHONE:

84 3237

Georgia-Pacific Corporation
Hawthorne Plywood Mill
Facility ID No.: 1070015
Putnam County

Title V Air Operation Permit Revision

FINAL Permit No.: 1070015-009-AV

Permitting and Compliance Authority:

State of Florida
Department of Environmental Protection
Northeast District Air Program
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Telephone: 904/807-3300
FAX: 904/448-4363

Title V Air Operation Permit Revision

FINAL Permit No.: 1070015-009-AV

Table of Contents

<u>Section</u>	<u>Page Number</u>
Placard Page.....	1
I. Facility Information	2 - 3
A. Facility Description.	
B. Summary of Emissions Unit ID No(s). and Brief Description(s).	
C. Relevant Documents.	
II. Facility-wide Conditions	4 - 6
III. Emissions Unit(s) and Conditions	
A. Emissions Unit 001 Wood Waste Fired Boiler.....	7 - 9
B. Emissions Unit 002 Skinner Saw System & Glue Line System.	10-11
C. Emissions Unit 003 Sanding System.....	12
D. Emissions Unit 004 #1,2,3 Plywood Presses.....	13-14
E. Emissions Unit 005 #1,2,3 Veneer Dryers.....	15-17
F. Common Conditions.....	18-27
G. 40 CFR 63, Subpart DDDDD Requirements.....	28-46
H. 40 CFR 63, Subpart DDDD Requirements.....	47
I. EPA Low-Risk Subcategory of 40 CFR 63, Subpart DDDD.....	48
J. NESHAPs Common Conditions.....	49



Department of Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Colleen M. Castille
Secretary

Permittee:

Georgia-Pacific Corporation
223 Gordon Chapel Road
Hawthorne, FL 32640

FINAL Permit No.: 1070015-009-AV

Facility ID No.: 1070015

SIC No(s): 24, 2436

Project: Title V Air Operation Permit Revision

The purpose of this permit is to incorporate 40 CFR 63 Subpart DDDD National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products and 40 CFR 63 Subpart DDDDD National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. This existing facility is located at 223 Gordon Chapel Road, Hawthorne, Putnam County; UTM Coordinates: Zone 17, 399.50 km East and 3273.80 km North; Latitude: 29° 35' 30" North and Longitude: 82° 02' 15" West.

This Title V Air Operation Permit Revision is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

Referenced attachments made a part of this permit:

Appendix I-1, List of Insignificant Emissions Units and/or Activities
Appendix U-1, List of Unregulated Emissions Units and/or Activities
APPENDIX TV-5, TITLE V CONDITIONS version dated 03/28/05
APPENDIX SS-1, STACK SAMPLING FACILITIES version dated 10/07/96
TABLE 297.310-1, CALIBRATION SCHEDULE version dated 10/07/96
Appendix CAM
Appendix CP – Compliance Plan
40 CFR Subpart DDDD
Appendix A to Subpart DDDD
Appendix B to Subpart DDDD
Tables to Subpart DDDD of Part 63
EPA letter dated July 1, 2005, received August 5, 2005, regarding low-risk parameters related to NESHAP
40 CFR 63 Subpart DDDD, Plywood and Composite Wood Products.
Appendix A to Subpart DDDDD
Appendix B to Subpart DDDDD
Tables to Subpart DDDDD of Part 63

Effective Date: April 20, 2006

Renewal Application Due Date: April 25, 2009

Expiration Date: October 25, 2009

Christopher L. Kirts, P.E.
District Air Program Administrator

CLK: anp

Section I. Facility Information.

Subsection A. Facility Description.

This facility consists of several pieces of equipment used to process pine logs into construction type plywood. Equipment includes one wood waste fired boiler, three indirect-fired veneer dryers, three plywood presses, skinner saw system, glue line system and sanding system.

Tree length logs are cut, debarked, and then conditioned in a series of hot water soaking vats. After conditioning, the logs are removed from the vats, and conveyed to the laths for peeling. The veneer was sorted and dried in the three indirect-heated veneer dryers. After drying, the veneer is assembled on the Glue Line into panels, where a resin adhesive is applied to the sheets and the panels are then pressed at the three plywood presses to form plywood. The plywood is then trimmed, some maybe sanded and ready for shipment.

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

Based on the Title V Air Operation Permit Renewal Application received December 13, 2002 and additional information submitted March 20, 2003, this facility is a major source of hazardous air pollutants (HAPs).

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

<u>E.U. ID No.</u>	<u>Brief Description</u>
001	Wood Waste Fired Boiler
002	Skinner Saw System & Glue Line System
003	Sanding System
004	#1,2,3 Plywood Presses
005	#1,2,3 Veneer Dryers

Unregulated Emissions Units and/or Activities

-006	#1 Indirect Fired Lumber Drying Kiln
-007	#2 Indirect Fired Lumber Drying Kiln

Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.

Georgia-Pacific Corporation
Hawthorne Plywood Mill

FINAL Permit No.: 1070015-009-AV
Facility ID No.: 1070015
Effective Date:
Expiration Date: October 25, 2009

Subsection C. Relevant Documents.

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:

Table 1-1: Summary of Air Pollutant Standards and Terms

Table 2-1: Summary of Compliance Requirements

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History

Statement of Basis

These documents are on file with the permitting authority:

Title V Air Operation Permit Renewal No. 1070015-004-AV issued October 25, 2004.

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX TV-5, TITLE V CONDITIONS, is a part of this permit.
{Permitting note: APPENDIX TV-5, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided a copy when requested or otherwise appropriate.}
2. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. No person shall cause, suffer, allow, or permit the discharge of air pollutants that cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C.]
3. General Particulate Emission Limiting Standards. General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C.
[Rules 62-296.320(4)(b)1. & 4., F.A.C.]
4. Prevention of Accidental Releases (Section 112(r) of CAA).
 - a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

RMP Reporting Center
Post Office Box 1515
Lanham-Seabrook, Maryland 20703-1515
Telephone: 301-429-5018
- and,
- b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.
[40 CFR 68]
5. Unregulated Emissions Units and/or Activities. Appendix U-1, List of Unregulated Emissions Units and/or Activities, is a part of this permit.
[Rule 62-213.440(1), F.A.C.]
6. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is a part of this permit.
[Rules 62-213.440(1), 62-213.430(6) and 62-4.040(1)(b), F.A.C.]

Georgia-Pacific Corporation
Hawthorne Plywood Mill

FINAL Permit No.: 1070015-009-AV
Facility ID No.: 1070015
Effective Date:
Expiration Date: October 25, 2009

7. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. Nothing was deemed necessary and ordered at this time.
[Rule 62-296.320(1)(a), F.A.C.; and, Title V permit renewal application received December 13, 2002]

8. Emissions of Unconfined Particulate Matter. Pursuant to Rules 62-296.320(4)(c)1., 3. & 4., F.A.C., reasonable precautions to prevent emissions of unconfined particulate matter at this facility include the following requirements (see Condition 57. of APPENDIX TV-5, TITLE V CONDITIONS):

The following requirements are "not federally enforceable":

1. Paving of roads and other traffic areas in the facility. High traffic and work areas are paved in this facility.
2. General good housekeeping to reduce the amount of uncontrolled material around the facility. This includes periodic sweeping of areas with a vacuum sweeper vehicle. There is also a plant awareness to keep work areas clean of debris build up.
3. Mechanical conveyer systems are covered if necessary to reduce fugitive emissions.

[Rule 62-296.320(4)(c)2., F.A.C.; and, proposed by the applicant in the initial Title V permit application received June 14, 1996]

9. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.

[Rule 62-213.440, F.A.C.]

10. Monitoring Reports. The permittee shall submit reports of any required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports.

[Rule 62-213.440(1)(b)3.a., F.A.C.]

{Permitting Note: This condition implements the requirements of Rules 62-213.440(1)(b)3., F.A.C. (see Condition 43. of APPENDIX TV-5, TITLE V CONDITIONS.)}

11. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., F.A.C., shall be submitted to the Department and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), F.A.C.

[Rules 62-213.440(3) and 62-213.900, F.A.C.]

{Permitting Note: This condition implements the requirements of Rules 62-213.440(3)(a)2. & 3., F.A.C. (see Condition 51. of APPENDIX TV-5, TITLE V CONDITIONS)}

12. The permittee shall submit all compliance related notifications and reports required of this permit to the Department's Northeast District, Air Section.

Department of Environmental Protection
Northeast District Air Program
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590
Telephone: 904/807-3300; FAX: 904/448-4363

Georgia-Pacific Corporation
Hawthorne Plywood Mill

FINAL Permit No.: 1070015-009-AV

Facility ID No.: 1070015

Effective Date:

Expiration Date: October 25, 2009

13. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency

Region 4

Air, Pesticides & Toxics Management Division

Air and EPCRA Enforcement Branch

Air Enforcement Section

61 Forsyth Street

Atlanta, Georgia 30303-8960

Telephone: 404/562-9155; Fax: 404/562-9163

14. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.
[Rule 62-213.420(4), F.A.C.]

Section III. Emissions Unit(s) and Conditions.

Subsection A. This section addresses the following emissions units.

<u>E.U. ID No.</u>	<u>Brief Description</u>
001	Wood Waste Fired Boiler

The Wood Waste Fired Boiler provides steam for heating various processes and is fueled by wood waste and glue waste. The Wood Waste Fired Boiler contains two multi-clone ash re-injection systems and an Electro-Static Precipitator [ESP] to control particular matter emissions. This emissions unit is subject to CAM monitoring requirements.

{Permitting note: The emissions unit is regulated under 40 CFR 63 Subpart DDDDD National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters adopted and incorporated by reference in Rule 62-204.800, F.A.C.; Rule 62-296.410(2)(b), F.A.C.; Compliance Assurance Monitoring (CAM), adopted and incorporated by reference in Rule 62-204.800, F.A.C.; Rule 62-212.400(5), F.A.C., Prevention of Significant Deterioration (PSD); Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT) Determination, dated March 27, 1980}

The following specific conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The heat input rate shall not exceed 224 MMBTU per hour.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

{Permitting note: This emissions unit has been tested at about 70% permitted heat input rate and shall be limited to 170 MMBTU per hour of heat input in accordance with Rule 62-297.310(2), F.A.C., unless the new test is conducted and the CAM plan is revised.}

A.2. Methods of Operation - This boiler is fired with green and dry wood waste and 500 pounds per week of glue waste. The pilot burner is fired with propane.
[Rule 62-213.410, F.A.C.]

A.3. Hours of Operation. The hours of operation for the emissions unit shall not exceed 8,760 hours/year.
[Rule 62-210.200(PTE), F.A.C.]

Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

{Permitting note: The averaging time for the following conditions is based on the run time of the specified test method, unless otherwise specified in this permit.}

A.4. Particulate Matter Emissions shall not exceed 0.10 pounds per million BTU of heat input of carbonaceous fuel. (Refer to Specific Condition **G.1.** on September 13, 2007.)

[Rule 62-296.410(2)(b)2., F.A.C.; Construction Permit 1070015-006-AC]

A.5. Visible Emissions shall not exceed 30% opacity with the exception of 40% opacity for not more than 2 minutes in any one-hour. (Refer to Specific Condition **G.4.** on September 13, 2007.)

[Rule 62-296.410(2)(b)1., F.A.C.]

Test Methods and Procedures

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.6. Particulate Matter Emissions. A compliance test shall be performed every 5 years prior to permit renewal to measure Particulate Matter emissions. The test shall comply with the applicable requirements of EPA Method 5, incorporated and adopted by reference in Chapter 62-297, F.A.C.

[Rule 62-296.410(3)(b) and 62-297.310(7)(a), F.A.C.]

A.7. Visible Emissions. A visible emissions test shall be performed annually, once every federal fiscal year (October 1 to September 30), and the test shall comply with the applicable requirements of DEP Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.

[Rule 62-296.410(3)(a) and 62-297.310(7)(a), F.A.C.]

Compliance Assurance Monitoring (CAM) Requirements

A.8. This emissions unit is subject to the CAM requirements contained in the attached Appendix CAM. Failure to adhere to the monitoring requirements specified does not necessarily indicate an exceedance of a specific emissions limitation; however, it may constitute good reason to require compliance testing pursuant to Rule 62-297.310(7)(b), F.A.C.

[40 CFR 64; and, Rules 62-204.800 and 62-213.440(1)(b)1.a., F.A.C.]

Common Conditions

A.9. This emissions unit is also subject to the conditions contained in **Subsection F. Common Conditions.**

40 CFR 63, Subpart DDDDD Requirements

A.10. This emissions unit shall comply with the conditions contained in **Subsection G.** no later than September 13, 2007.

A.11. This emissions unit shall comply with the conditions contained in **Subsection J.** as applicable.

Subsection B. This section addresses the following emissions units.

<u>E.U. ID No.</u>	<u>Brief Description</u>
002 #05A	Skinner Saw System
#05B	Glue Line System

The Skinner Saw System collects sawdust from several sawing units and exhausts the emissions through the cyclone at point (EU-05A). The Glue Line System collects sawdust from several sawing units in the glue area and exhausts the emissions through the cyclone at point (EU-05B).

{Permitting note: The emissions unit is regulated under Rule 62-212.400(5), F.A.C., Prevention of Significant Deterioration (PSD); Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT) Determination, dated March 27, 1980}

The following specific conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

B.1. Permitted Capacity. The panel skinner saw input rate shall not exceed 87,800 pounds per hour. [Basis: 73.2 thousand square feet per hour on a monthly average – 3/8” basis] [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

B.2. Hours of Operation. The hours of operation for this emissions unit shall not exceed 8760 hours/year. [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

{Permitting note: The averaging time for the following conditions is based on the run time of the specified test method, unless otherwise specified in this permit.}

B.3. Particulate Matter (EU-05A). At point (EU-05A), Particulate Matter emissions shall not exceed 11.70 pounds per hour. [EPA PSD-FL-038 FINAL TSP allowable letter dated 03-27-80, Permits AC54-23131, AO54-151738 and AO54-227600]

B.4. Visible Emissions (EU-05A). At point (EU-05A), Visible Emissions shall not exceed 10% opacity. [Permits AO54-151738 and AO54-227600]

B.5. Visible Emissions (EU-05B). At point (EU-05B), Visible Emissions shall not exceed 10% opacity. [Permits AO54-151738 and AO54-227600]

Test Methods and Procedures

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

B.6. Particulate Matter Emissions. A compliance test shall be performed once every 5 years prior to operation permit renewal to measure Particulate Matter emissions. The test shall comply with the applicable requirements of EPA Method 5, incorporated and adopted by reference in Chapter 62-297, F.A.C.

[Rule 62-297.310(7)(a), F.A.C., Permits AO54-151738 and AO54-227600]

B.7. Visible Emissions. A visible emissions test shall be performed annually, once every federal fiscal year (October 1 to September 30). The test shall comply with the applicable requirements of DEP Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.

[Rule 62-297.310(7)(a), F.A.C., Permits AO54-151738 and AO54-227600]

Common Conditions

B.8. This emissions unit is also subject to the conditions contained in **Subsection F. Common Conditions.**

Subsection C. This section addresses the following emissions unit(s).

<u>E.U. ID No.</u>	<u>Brief Description</u>
003	Sanding System

The Sanding System collects sander dust from several units ducted to a cyclone and exhausts emissions through a baghouse at point (EU-06).

The following specific conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

C.1. Permitted Capacity. The sanding operation input rate shall not exceed 82,500 pounds per hour. [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

C.2. Hours of Operation. The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Basis: 73.2 thousand square feet per hour on a monthly average -- 3/8" basis]

[Rules 62-4.160(2), 62-210.200(PTE), F.A.C., and Construction Permit AC62-253367]

Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

{Permitting note: The averaging time for the following conditions is based on the run time of the specified test method, unless otherwise specified in this permit.}

C.3. Visible Emissions. Visible Emissions shall not exceed 5% opacity. [Rule 62-297.620(4), F.A.C. and Permit AO54-151738]

Test Methods and Procedures

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

C.4. Visible Emissions. A visible emissions test shall be performed annually, once every federal fiscal year (October 1 to September 30), and the test shall comply with DEP Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.

[Rule 62-297.310(7)(a), F.A.C. and Permit AO54-151738]

Common Conditions

C.5. This emissions unit is also subject to the conditions contained in **Subsection F. Common Conditions.**

Subsection D. This section addresses the following emissions unit(s).

<u>E.U. ID No.</u>	<u>Brief Description</u>
004	#1,2,3 Plywood Presses with VOC emissions

The indirect-fired presses manufacture the veneer sheets into plywood producing VOC and HAPs emissions. There is not a control device for the Plywood Presses.

{Permitting note: The emissions unit is regulated under 40 CFR 63 Subpart DDDD-National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products adopted and incorporated by reference in Rule 62-204.800, F.A.C.}

The following specific conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

D.1. Permitted Capacity. The input rate shall not exceed 73,200 Square Feet per hour, 3/8" basis, for the three presses.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Construction Permit AC54-258430]

D.2. Hours of Operation. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

Recordkeeping and Reporting Requirements

D.3. Total Hazardous Air Pollutants. Total HAP emissions in tons shall be recorded monthly (based on emissions factors and production data) and reported annually in the Annual Operating Report.

[Rule 62-210.370(3), F.A.C.]

D.4. Volatile Organic Compounds. VOC emissions in tons shall be recorded monthly (based on emissions factors and production data) and reported annually in the Annual Operating Report.

[Rule 62-210.370(3), F.A.C.]

Common Conditions

D.5. This emissions unit is also subject to the conditions contained in **Subsection F. Common Conditions.**

40 CFR 63, Subpart DDDD Requirements

D.6. The Permittee shall comply with the milestones identified in Compliance Plan, Appendix CP.

Georgia-Pacific Corporation
Hawthorne Plywood Mill

FINAL Permit No.: 1070015-009-AV
Facility ID No.: 1070015
Effective Date:
Expiration Date: October 25, 2009

D.7. This emissions unit is also subject to the conditions contained in **Subsection H.** - Subpart DDDD Requirements and **Subsection J.** - NESHAPs Common Conditions or **Subsection I.** - EPA Low-Risk Subcategory of 40 CFR 63, Subpart DDDD.

D.8. This emissions unit shall comply with the conditions contained in Subsection J as applicable.

Subsection E. This section addresses the following emissions unit(s).

E.U.

ID No. Brief Description

005 #1,2,3 Veneer Dryers with a Regenerative Thermal Oxidation (RTO) to control Volatile Organic Compounds (VOC) emissions.

Three indirect-heated Veneer Board Dryers dry the green veneer using the steam generated by the wood fired boiler. Volatile Organic Compounds (VOC) emissions from the three hot zones are ducted and destructed by a Regenerative Thermal Oxidation (RTO).

{Permitting note: The emissions unit is regulated under 40 CFR 63 Subpart DDDD-National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products adopted and incorporated by reference in Rule 62-204.800, F.A.C.; Rule 62-296.401(1)(a), F.A.C.; Rule 62-212.400(5), F.A.C., Prevention of Significant Deterioration (PSD); Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT) Determination, dated March 27, 1980}

The following specific conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

E.1. Permitted Capacity. The maximum input rate shall not exceed 50.4 Thousand Square Feet per hour on a 3/8" basis.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Permit 1070015-002-AC]

E.2. Hours of Operation. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

E.3 VOC. The facility shall achieve a minimum destruction efficiency of 90% for the captured VOC emissions at all dryers corrected to 7 percent oxygen (dry basis). The 90% destruction efficiency need not be maintained during periods when the dryers are not operating or during previously scheduled startup and shutdown periods (including bakeouts and washouts), and Force Majeure events (including malfunctions which qualify as Force Majeure events). These startup and shutdown periods shall not exceed the minimum amount of time necessary for these events, and during these events, the facility shall minimize emissions to the greatest extent practicable.

[Consent Decree 8/96 and Permit 1070015-002-AC]

E.4 Particulate Matter. Particulate Matter emissions shall not exceed 6.85 lbs/hr and 30.0 TPY.

[Permit 1070015-002-AC]

E.5 Visible Emissions. Visible Emissions shall not exceed 5% opacity with the exception of 20% opacity for not more than three minutes in any one-hour.
[Rule 62-296.401(1)(a), F.A.C.]

Test Methods and Procedures

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

E.6. Particulate Matter. A compliance test shall be performed once every 5 years prior to operation permit renewal to measure Particulate Matter emissions. The test shall comply with the applicable requirements of EPA Method 5, incorporated and adopted by reference in Chapter 62-297, F.A.C.
[Rule 62-297.310(7)(a), F.A.C.]

E.7. VOC. Volatile Organic Compounds (VOC) emissions stack testing shall comply with the applicable requirements of EPA Method 25A and shall be performed once each federal fiscal year (October 1 – September 30).
[Consent Decree 8/96, Permit 1070015-002-AC, and Rule 62-297.310(7)(a), F.A.C.]

E.8. Visible Emissions. A visible emissions test shall be performed once each federal fiscal year (October 1 – September 30) and shall comply with Rule 62-296.401(1)(c), F.A.C.

(c) Test Methods and Procedures. All emissions tests performed pursuant to the requirements of this rule shall comply with the following requirements.

1. The test method for visible emissions shall be DEP Method 9, incorporated in Chapter 62-297, F.A.C.
2. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.
[Rule 62-296.401(1)(c), F.A.C.; Rule 62-297.310(7)(a), F.A.C.]

Recordkeeping and Reporting Requirements

E.9. Total Hazardous Air Pollutants. Total HAP emissions in tons shall be recorded monthly (based on emissions factors and production data) and reported annually in the Annual Operating Report.
[Rule 62-210.370(3), F.A.C.]

E.10. VOC. Volatile Organic Compounds emissions in tons shall be recorded monthly (based on emissions factors and production data) and reported annually in the Annual Operating Report.
[Rule 62-210.370(3), F.A.C.]

Common Conditions

E.11. This emissions unit is also subject to the conditions contained in **Subsection F. Common Conditions.**

40 CFR 63, Subpart DDDD Requirements

E.12. The Permittee shall comply with the milestones identified in Compliance Plan, Appendix CP.

Georgia-Pacific Corporation
Hawthorne Plywood Mill

FINAL Permit No.: 1070015-009-AV

Facility ID No.: 1070015

Effective Date:

Expiration Date: October 25, 2009

E.13. This emissions unit is also subject to the conditions contained in **Subsection H.** - Subpart DDDD Requirements and **Subsection J.** - NESHAPs Common Conditions or **Subsection I.** - EPA Low-Risk Subcategory of 40 CFR 63, Subpart DDDD.

E.14. This emissions unit shall comply with the conditions contained in Subsection J as applicable.

Subsection F. Common Conditions

<u>E.U. ID No.</u>	<u>Brief Description</u>
001	Wood Waste Fired Boiler
002	Skinner Saw System and Glue Line System
003	Sanding System
004	#1,2,3 Plywood Presses
005	#1,2,3 Veneer Dryers with a Regenerative Thermal Oxidation (RTO) to control Volatile Organic Compounds (VOC) emissions.

The following specific conditions apply to the emissions unit(s) listed above:

{Permitting Note: The following conditions are placed here as a convenience and to avoid duplication. See conditions in the Subsections for applicability.}

62-297.310 General Compliance Test Requirements.

The focal point of a compliance test is the stack or duct, which vents process and/or combustion gases and air pollutants from an emissions unit into the ambient air.

(1) Required Number of Test Runs. For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured; provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five-day period allowed for the test, the Secretary or his or her designee may accept the results of two complete runs as proof of compliance, provided that the arithmetic mean of the two complete runs is at least 20% below the allowable emission limiting standard.

(2) Operating Rate During Testing. Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operating at permitted capacity as defined below. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity.

(a) Combustion Turbines. (Reserved)

(b) All Other Sources. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit.

(3) Calculation of Emission Rate. The indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule.

(4) Applicable Test Procedures.

(a) Required Sampling Time.

1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes.

2. Opacity Compliance Tests. When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:

a. For batch, cyclical processes, or other operations which are normally completed within less than the minimum observation period and do not recur within that time, the period of observation shall be equal to the duration of the batch cycle or operation completion time.

b. The observation period for special opacity tests that are conducted to provide data to establish a surrogate standard pursuant to Rule 62-297.310(5)(k), F.A.C., Waiver of Compliance Test Requirements, shall be established as necessary to properly establish the relationship between a proposed surrogate standard and an existing mass emission limiting standard.

c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

(b) Minimum Sample Volume. Unless otherwise specified in the applicable rule, the minimum sample volume per run shall be 25 dry standard cubic feet.

(c) Required Flow Rate Range. For EPA Method 5 particulate sampling, acid mist/sulfur dioxide, and fluoride sampling which uses Greenburg Smith type impingers, the sampling nozzle and sampling time shall be selected such that the average sampling rate will be between 0.5 and 1.0 actual cubic feet per minute, and the required minimum sampling volume will be obtained.

(d) Calibration of Sampling Equipment. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1.

(e) Allowed Modification to EPA Method 5. When EPA Method 5 is required, the following modification is allowed: the heated filter may be separated from the impingers by a flexible tube.

TABLE 297.310-1 CALIBRATION SCHEDULE			
ITEM	MINIMUM CALIBRATION FREQUENCY	REFERENCE INSTRUMENT	TOLERANCE
Liquid in glass thermometer	Annually	ASTM Hg in glass ref. thermometer or equivalent, or thermometric points	+/-2%
Bimetallic thermometer	Quarterly	Calib. liq. in glass thermometer	5 degrees F
Thermocouple	Annually	ASTM Hg in glass ref. thermometer, NBS calibrated reference and potentiometer	5 degrees F
Barometer	Monthly	Hg barometer or NOAA station	+/-1% scale
Pitot Tube	When required or when damaged	By construction or measurements in wind tunnel D greater than 16" and standard pitot tube	See EPA Method 2, Fig. 2-2 & 2-3
Probe Nozzles	Before each test or when nicked, dented, or corroded Max. deviation between readings	Micrometer	+/-0.001" men of at least three readings .004"
Dry Gas Meter and Orifice Meter	1. Full Scale: When received, When 5% change observed, Annually 2. One Point: Semiannually 3. Check after each test series	Spirometer or calibrated wet test or dry gas test meter Comparison check	2% 5%

(5) Determination of Process Variables.

(a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

(6) Required Stack Sampling Facilities. Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. All stack sampling facilities must meet any Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR Part 1910, Subparts D and E.

(a) Permanent Test Facilities. The owner or operator of an emissions unit for which a compliance test, other than a visible emissions test, is required on at least an annual basis, shall install and maintain permanent stack sampling facilities.

(b) Temporary Test Facilities. The owner or operator of an emissions unit that is not required to conduct a compliance test on at least an annual basis may use permanent or temporary stack sampling facilities. If the owner chooses to use temporary sampling facilities on an emissions unit, and the Department elects to test the unit, such temporary facilities shall be installed on the emissions unit within 5 days of a request by the Department and remain on the emissions unit until the test is completed.

(c) Sampling Ports.

1. All sampling ports shall have a minimum inside diameter of 3 inches.
2. The ports shall be capable of being sealed when not in use.
3. The sampling ports shall be located in the stack at least 2 stack diameters or equivalent diameters downstream and at least 0.5 stack diameter or equivalent diameter upstream from any fan, bend, constriction or other flow disturbance.
4. For emissions units for which a complete application to construct has been filed prior to December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 15 feet or less. For stacks with a larger diameter, four sampling ports, each 90 degrees apart, shall be installed. For emissions units for which a complete application to construct is filed on or after December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 10 feet or less. For stacks with larger diameters, four sampling ports, each 90 degrees apart, shall be installed. On horizontal circular ducts, the ports shall be located so that the probe can enter the stack vertically, horizontally or at a 45 degree angle.

5. On rectangular ducts, the cross sectional area shall be divided into the number of equal areas in accordance with EPA Method 1. Sampling ports shall be provided which allow access to each sampling point. The ports shall be located so that the probe can be inserted perpendicular to the gas flow.

(d) Work Platforms.

1. Minimum size of the working platform shall be 24 square feet in area. Platforms shall be at least 3 feet wide.
2. On circular stacks with 2 sampling ports, the platform shall extend at least 110 degrees around the stack.
3. On circular stacks with more than two sampling ports, the work platform shall extend 360 degrees around the stack.
4. All platforms shall be equipped with an adequate safety rail (ropes are not acceptable), toeboard, and hinged floor-opening cover if ladder access is used to reach the platform. The safety rail directly in line with the sampling ports shall be removable so that no obstruction exists in an area 14 inches below each sample port and 6 inches on either side of the sampling port.

- (e) Access to Work Platform.
 - 1 Ladders to the work platform exceeding 15 feet in length shall have safety cages or fall arresters with a minimum of 3 compatible safety belts available for use by sampling personnel.
 - 2. Walkways over free-fall areas shall be equipped with safety rails and toeboards.
- (f) Electrical Power.
 - 1. A minimum of two 120-volt AC, 20-amp outlets shall be provided at the sampling platform within 20 feet of each sampling port.
 - 2. If extension cords are used to provide the electrical power, they shall be kept on the plant's property and be available immediately upon request by sampling personnel.
- (g) Sampling Equipment Support.
 - 1. A three-quarter inch eyebolt and an angle bracket shall be attached directly above each port on vertical stacks and above each row of sampling ports on the sides of horizontal ducts.
 - a. The bracket shall be a standard 3 inch x 3 inch x one-quarter inch equal-legs bracket, which is 1 and one-half inches wide. A hole that is one-half inch in diameter shall be drilled through the exact center of the horizontal portion of the bracket. The horizontal portion of the bracket shall be located 14 inches above the centerline of the sampling port.
 - b. A three-eighth inch bolt which protrudes 2 inches from the stack may be substituted for the required bracket. The bolt shall be located 15 and one-half inches above the centerline of the sampling port.
 - c. The three-quarter inch eyebolt shall be capable of supporting a 500 pound working load. For stacks that are less than 12 feet in diameter, the eyebolt shall be located 48 inches above the horizontal portion of the angle bracket. For stacks that are greater than or equal to 12 feet in diameter, the eyebolt shall be located 60 inches above the horizontal portion of the angle bracket. If the eyebolt is more than 120 inches above the platform, a length of chain shall be attached to it to bring the free end of the chain to within safe reach from the platform.
 - 2. A complete monorail or dualrail arrangement may be substituted for the eyebolt and bracket.
 - 3. When the sample ports are located in the top of a horizontal duct, a frame shall be provided above the port to allow the sample probe to be secured during the test.
- (7) Frequency of Compliance Tests. The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.
 - (a) General Compliance Testing.
 - 1. The owner or operator of a new or modified emissions unit that is subject to an emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining an operation permit for such emissions unit.
 - 2. For excess emission limitations for particulate matter specified in Rule 62-210.700, F.A.C., a compliance test shall be conducted annually while the emissions unit is operating under soot blowing conditions in each federal fiscal year during which soot blowing is part of normal emissions unit operation, except that such test shall not be required in any federal fiscal year in which a fossil fuel steam generator does not burn liquid and/or solid fuel for more than 400 hours other than during startup.
 - 3. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to Rule 62-210.300(2)(a)3.b.,

c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

- a. Did not operate; or
 - b. In the case of a fuel burning emissions unit, burned liquid and/or solid fuel for a total of no more than 400 hours.
4. During each federal fiscal year (October 1 -- September 30), unless otherwise specified by rule, order, or permit, the owner or operator of each emissions unit shall have a formal compliance test conducted for:
- a. Visible emissions, if there is an applicable standard;
 - b. Each of the following pollutants, if there is an applicable standard, and if the emissions unit emits or has the potential to emit: 5 tons per year or more of lead or lead compounds measured as elemental lead; 30 tons per year or more of acrylonitrile; or 100 tons per year or more of any other regulated air pollutant; and
 - c. Each NESHAP pollutant, if there is an applicable emission standard.
5. An annual compliance test for particulate matter emissions shall not be required for any fuel burning emissions unit that, in a federal fiscal year, does not burn liquid and/or solid fuel, other than during startup, for a total of more than 400 hours.
6. For fossil fuel steam generators on a semi-annual particulate matter emission compliance testing schedule, a compliance test shall not be required for any six-month period in which liquid and/or solid fuel is not burned for more than 200 hours other than during startup.
7. For emissions units electing to conduct particulate matter emission compliance testing quarterly pursuant to Rule 62-296.405(2)(a), F.A.C., a compliance test shall not be required for any quarter in which liquid and/or solid fuel is not burned for more than 100 hours other than during startup.
8. Any combustion turbine that does not operate for more than 400 hours per year shall conduct a visible emissions compliance test once per each five-year period, coinciding with the term of its air operation permit.
9. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
10. An annual compliance test conducted for visible emissions shall not be required for units exempted from air permitting pursuant to Rule 62-210.300(3), F.A.C.; units determined to be insignificant pursuant to Rule 62-213.300(2)(a)1., F.A.C., or Rule 62-213.430(6)(b), F.A.C.; or units permitted under the General Permit provisions in Rule 62-210.300(4)(a) or Rule 62-213.300, F.A.C., unless the general permit specifically requires such testing.
- (b) Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.
 - (c) Waiver of Compliance Test Requirements. If the owner or operator of an emissions unit that is subject to a compliance test requirement demonstrates to the Department, pursuant to the procedure established in Rule 62-297.620, F.A.C., that the compliance of the emissions unit with an applicable weight emission limiting standard can be adequately determined by means other than the designated test procedure, such as specifying a surrogate standard of no visible emissions for particulate matter sources equipped with

a bag house or specifying a fuel analysis for sulfur dioxide emissions, the Department shall waive the compliance test requirements for such emissions units and order that the alternate means of determining compliance be used, provided, however, the provisions of Rule 62-297.310(7)(b), F.A.C., shall apply.

(8) Test Reports.

(a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test.

(b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.

(c) The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the following information:

1. The type, location, and designation of the emissions unit tested.
2. The facility at which the emissions unit is located.
3. The owner or operator of the emissions unit.
4. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
5. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
6. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.
8. The date, starting time and duration of each sampling run.
9. The test procedures used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
10. The number of points sampled and configuration and location of the sampling plane.
11. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.
12. The type, manufacturer and configuration of the sampling equipment used.
13. Data related to the required calibration of the test equipment.
14. Data on the identification, processing and weights of all filters used.
15. Data on the types and amounts of any chemical solutions used.
16. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.
17. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
18. All measured and calculated data required to be determined by each applicable test procedure for each run.
19. The detailed calculations for one run that relate the collected data to the calculated emission rate.
20. The applicable emission standard, and the resulting maximum allowable emission rate for the emissions unit, plus the test result in the same form and unit of measure.

21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

Specific Authority: 403.061, FS.

Law Implemented: 403.031, 403.061, 403.087, FS.

History: Formerly 17-2.700(1)(b); Formerly 17-297.310; Amended 11-23-94, 3-13-96, 10-28-97, 3-2-99.

62-297.320 Standards for Persons Engaged in Visible Emissions Observations.

(1) Training and Certification Required. All persons engaged in determining the opacity of visible emissions in Florida shall attend training and be certified by a training provider in accordance with the procedures and requirements set forth below.

(a) Certification shall consist of satisfactory attendance and completion of a classroom lecture and a field qualification. For certification purposes, the classroom lecture and field qualification are separate and independent requirements.

(b) Attendance at the classroom lecture is required no less frequently than every three years. Successful completion of the field qualification is required no less frequently than every six months.

(c) Proof of certification shall be made by including copies of the signed and dated certificates or cards issued by the training providers with documentation of visible emissions observations submitted to the department, or otherwise upon request of the department.

(2) Requirements for Training Providers. All persons providing training leading to the certification of persons engaged in determining the opacity of visible emissions in Florida shall meet the requirements of subsections 62-297.320(2)-(8), F.A.C.

(a) For certification purposes, the classroom lecture and field certification are separate and independent requirements. For each course scheduled, each training provider shall offer a classroom lecture and one or more days of field qualification.

(b) Copies of quality assurance documentation, attendance records and field data sheets shall be maintained for a period of no less than three years after the conclusion of each course and shall be made available to the department upon request.

(c) Each training provider shall arrange for suitable locations for the classroom lecture and field qualification sessions that facilitate learning and reduce the impact of the smoke on passersby.

(d) To assure that cigar, pipe or cigarette smoke does not interfere with the observations of the trainees, each training provider shall enforce a policy of no smoking within the field qualification area.

(3) Classroom Lecture.

(a) The classroom lecture shall include the following topics and exercises:

1. Sources and causes of visible emissions.
2. Common types of emission control equipment and their effects on visible emissions observations.
3. History of opacity measurement.
4. Principles and theory of opacity.
5. Plume types and characteristics.
6. Legal aspects of visible emissions observations and legal defensibility of Method 9.
7. Basic meteorological conditions that influence plume behavior.
8. Proper procedures for conducting field observations under a variety of conditions.
9. A demonstration of commonly used measurement devices including a compass, a wind speed measurement device, and an inclinometer.

10. A written exercise demonstrating the proper procedure for documentation of observations.
- (b) Training providers shall issue a signed and dated certificate or card to all persons attending the classroom lecture.
- (4) Field Qualification.
- (a) The field qualification shall be conducted in accordance with the requirements set forth in 40 CFR Part 60, Subpart A, EPA Method 9, adopted and incorporated by reference at Rule 62-204.800, F.A.C.; EPA Quality Assurance Handbook for Air Pollution Measurement Systems: Volume III, Section 3.12, hereby adopted and incorporated by reference; and EPA Guidelines for Evaluation of Visible Emissions (EPA 340/1-75-007, April 1975), hereby adopted and incorporated by reference.
- (b) Each training provider shall meet requirements for quality assurance at least as stringent as those outlined in EPA Method 9.
- (c) Each training provider shall monitor the attendees so that conferring or copying results during field qualification does not occur.
- (d) Each training provider shall not provide hints of any kind or demonstrate the smoke standards during the field qualification sessions, except during familiarization runs prior to each test.
- (e) Training providers shall issue a signed and dated certificate or card to all persons who successfully complete the field qualification.
- (5) Notification to Department of Training Course Offerings. Each training provider shall notify the Department of all visible emissions training courses such provider offers in Florida at least 30 days prior to the start of each course.
- (6) Notification to Department of Persons Receiving Certification. Each training provider shall provide a list of the names of attendees receiving certification at its courses to the department no later than 30 days after the conclusion of each course.
- (7) Audit by the Department. For auditing purposes, each training provider shall allow one or more persons from the Department or a local air pollution control agency to observe each visible emissions training course offered in Florida without advance notice to the training provider. The training provider shall not issue a certificate or card to the observers, and shall not charge a fee for their attendance.
- (8) Invalidation of Certificates. After investigation by the department, should any training provider's course be found by the department to not meet the requirements of this section, the certificates or cards offered by such provider for such course shall not be considered valid for visible emissions observations in Florida.

Specific Authority 403.061 FS. Law Implemented 403.031, 403.061 FS. History—New 2-12-04.

62-210.700 Excess Emissions.

{Permitting Note: The Excess Emissions Rule at Rule 62-210.700, F.A.C., cannot vary any requirement of a NSPS or NESHAP provision}

(1) Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.

(2) Excess emissions from existing fossil fuel steam generators resulting from startup or shutdown shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized.

(3) Excess emissions from existing fossil fuel steam generators resulting from boiler cleaning (soot blowing) and load change shall be permitted provided the duration of such excess emissions shall not exceed 3 hours in any 24-hour period and visible emissions shall not exceed Number 3 of the Ringelmann Chart (60 percent opacity), and providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized. A load change occurs when the operational capacity of a unit is in the 10 percent to 100 percent capacity range, other than startup or shutdown, which exceeds 10 percent of the unit's rated capacity and which occurs at a rate of 0.5 percent per minute or more.

Visible emissions above 60 percent opacity shall be allowed for not more than 4, six (6)-minute periods, during the 3-hour period of excess emissions allowed by this subparagraph, for boiler cleaning and load changes, at units which have installed and are operating, or have committed to install or operate, continuous opacity monitors.

Particulate matter emissions shall not exceed an average of 0.3 lbs. per million BTU heat input during the 3-hour period of excess emissions allowed by this subparagraph.

(4) Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.

(5) Considering operational variations in types of industrial equipment operations affected by this rule, the Department may adjust maximum and minimum factors to provide reasonable and practical regulatory controls consistent with the public interest.

(6) In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department or the appropriate Local Program in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

Subsection G. 40 CFR 63, Subpart DDDDD Requirements

<u>E.U. ID No.</u>	<u>Brief Description</u>
001	Wood Waste Fired Boiler

G.0. The permittee shall comply with the following requirements of 40 CFR Part 63, Subpart DDDDD no later than the compliance deadline established in the Subpart, i.e. no later than September 13, 2007. The Permittee shall apply for and obtain air construction permits as needed, in order to meet these requirements.

[40 CFR 63.7495(b)]

The following specific conditions apply to the emissions unit(s) listed above:

Emissions Limiting Standard (s) and Work Practice Standards

G.1. Particulate Matter or (or Total Selected Metals). Particulate Matter (or Total Selected Metals) emissions shall not exceed 0.07 lb/MMBtu of heat input; or (0.001 lb/MMBtu of heat input), except as provided under Condition G.25.

[40 CFR 63.7500(a)(1) and Table 1 to Subpart DDDDD]

G.2. Hydrogen Chloride. Hydrogen Chloride emissions shall not exceed 0.09 lb/MMBtu of heat input, except as provided under Condition G.24.

[40 CFR 63.7500(a)(1) and Table 1 to Subpart DDDDD]

G.3. Mercury. Mercury emissions shall not exceed 0.000009 lb/MMBtu of heat input.

[40 CFR 63.7500(a)(1) and Table 1 to Subpart DDDDD]

Operating Limits

G.4. Particulate Matter. The owner or operator shall demonstrate compliance with applicable particulate matter emission limits using an electrostatic precipitator control. The owner or operator that operate dry control systems shall maintain opacity to less than or equal to 20 % opacity (6-minute average) except for one 6-minute period per hour of not more than 27 % opacity.

[40 CFR 63.7500(a)(2) and Table 2 to Subpart DDDDD]

G.5. Mercury. The owner or operator shall choose to demonstrate compliance with applicable mercury and/or total selected metals emissions limits using either electrostatic precipitator control as described in specific condition G.4 or using fuel analysis. The owner or operator using fuel analysis shall maintain the fuel type or fuel mixture such that the mercury and/or total selected metals emission rates calculated according to **G.29.** is less than the applicable emission limits for mercury and/or total selected metals.

[40 CFR 63.7500(a)(2) and Table 3 to Subpart DDDDD]

G.6. Hydrogen Chloride. The owner or operator shall demonstrate compliance with applicable hydrogen chloride emission limits using fuel analysis. The owner or operator shall maintain the fuel type or fuel mixture such that the hydrogen chloride emission rate calculated according to **G.29.** is less than the applicable emission limit for hydrogen chloride.

[40 CFR 63.7500(a)(2) and Table 4 to Subpart DDDDD]

Alternative Operating Limit and Alternative Monitoring Parameters

G.7. If the owner or operator wishes to establish and monitor an alternative operating limit and alternative monitoring parameters, he/she must apply to the US EPA Administrator for approval of alternative monitoring under § 63.8(f) of Appendix B (attached). As provided in § 63.6(g) of Appendix B, the Department may approve use of an alternative to the work practice standards.
[40 CFR 63.7500(a)(2)&(b) and 40 CFR 63.7570 (b)(1)&(2)]

General Requirements

G.8. The boiler shall be in compliance with the emission limits (including operating limits) and the work practice standards in this subsection at all times, except during periods of startup, shutdown, and malfunction.
[40 CFR 63.7505(a)]

G.9. The owner or operator shall always operate and maintain the boiler, including air pollution control and monitoring equipment, according to the provisions in § 63.6(e)(1)(i) of Appendix B.
[40 CFR 63.7505(b)]

G.10. The owner or operator can demonstrate compliance with any applicable emission limit using fuel analysis if the emission rate calculated according to Specific Condition **G.30.** is less than the applicable emission limit. Otherwise, the owner or operator must demonstrate compliance using performance testing.
[40 CFR 63.7505(c)]

G.11. Site-Specific Monitoring Plan. If compliance is demonstrated with any applicable emission limit through performance testing, a site-specific monitoring plan shall be developed according to the requirements in paragraphs (1) through (4) of this condition. This requirement also applies if the owner or operator petitions the US EPA Administrator for alternative monitoring parameters under Specific Condition E.6.

(1) For each continuous monitoring system (CMS) required in this condition, the owner or operator must develop and submit to the US EPA Administrator for approval a site-specific monitoring plan that addresses the items in paragraphs (i) through (iii) below. The owner or operator must submit this site-specific monitoring plan at least 60 days before the initial performance evaluation of the CMS.

(i) Installation of the CMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

(ii) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction systems; and

(iii) Performance evaluation procedures and acceptance criteria (e.g., calibrations).

(2) In the site-specific monitoring plan, the owner or operator must also address paragraphs (i) through (iii) below.

(i) Ongoing operation and maintenance procedures in accordance with the general requirements of § 63.8(c)(1), (c)(3), and (c)(4)(ii) of Appendix B (attached);

(ii) Ongoing data quality assurance procedures in accordance with the general requirements of §63.8(d) of Appendix B (attached); and

(iii) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of §63.10(c), (e)(1), and (e)(2)(i) of Appendix B (attached).

(3) The owner or operator must conduct a performance evaluation of each CMS in accordance with his/her site-specific monitoring plan.

(4) The owner or operator must operate and maintain the CMS in continuous operation according to the site-specific monitoring plan.

[40 CFR 63.7505(d)]

G.12. Startup, Shutdown and Malfunction Plan. The owner or operator shall develop and implement a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in §63.6(e)(3) of Appendix B (attached).

[40 CFR 63.7505(e)]

Performance Tests and Procedures

G.13. The owner or operator shall conduct all performance tests according to §63.7(c), (d), (f), and (h) of Appendix B (attached) and also develop a site-specific test plan according to the requirements in §63.7(c) of Appendix B (attached) if he/she elects to demonstrate compliance through performance testing.

[40 CFR 63.7520 (a)]

G.14. The owner or operator shall conduct each performance test according to the requirements in Table 5 (attached) to this permit.

[40 CFR 63.7520 (b)]

G.15. The owner or operator shall conduct each performance test under the specific conditions listed in Tables 5 and 7 (attached). The owner or operator shall conduct performance tests at the maximum normal operating load while burning the type of fuel or mixture of fuels that have the highest content of chlorine, mercury, and total selected metals, and demonstrate initial compliance and establish the operating limits based on these tests. These requirements could result in the need to conduct more than one performance test.

[40 CFR 63.7520 (d)]

G.16. Performance tests shall not be conducted during periods of startup, shutdown, or malfunction.

[40 CFR 63.7520 (e)]

G.17. The owner or operator must conduct three separate test runs for each performance test required, as specified in § 63.7(e)(3) of Appendix B (attached). Each test run must last at least 1 hour.

[40 CFR 63.7520 (f)]

G.18. To determine compliance with the emission limits, owner or operator must use the F-Factor methodology and equations in sections 12.2 and 12.3 of EPA Method 19 of 40 CFR 60, Appendix A, to convert the measured particulate matter concentrations, the measured HCl concentrations, the measured TSM concentrations, and the measured Mercury concentrations that result from the initial performance test to pounds per million Btu heat input emission rates using F-factors.

[40 CFR 63.7520 (g)]

Fuel Analyses and Procedures

G.19. Fuel analyses shall be conducted according to the procedures in Specific Condition G.20 through G.23 and Table 6 (attached), as applicable.
[40 CFR 63.7521 (a)]

G.20. Site-specific fuel analysis plan. The owner or operator must develop and submit a site-specific fuel analysis plan to the Department for review and approval according to the following procedures and requirements.

(1) The fuel analysis plan shall be submitted no later than 60 days before the date that the owner or operator intends to demonstrate compliance.

(2) The fuel analysis plan shall include the following information.

(i) The identification of all fuel types anticipated to be burned in each boiler or process heater.

(ii) For each fuel type, the notification of whether owner/operator or a fuel supplier will be conducting the fuel analysis.

(iii) For each fuel type, a detailed description of the sample location and specific procedures to be used for collecting and preparing the composite samples if the procedures are different from Specific Condition G.21. or G.22. Samples should be collected at a location that most accurately represents the fuel type, where possible, at a point prior to mixing with other dissimilar fuel types.

(iv) For each fuel type, the analytical methods, with the expected minimum detection levels, to be used for the measurement of selected total metals, chlorine, or mercury.

(v) If owner or operator requests to use an alternative analytical method other than those required by Table 6 of this permit, he/she must also include a detailed description of the methods and procedures that will be used.

(vi) If owner or operator will be using fuel analysis from a fuel supplier in lieu of site-specific sampling and analysis, the fuel supplier must use the analytical methods required by Table 6 (attached).

[40 CFR 63.7521 (b)]

G.21. At a minimum, three composite fuel samples shall be obtained for each fuel type according to the procedures as described below.

(1) If sampling from a belt (or screw) feeder, collect fuel samples according to paragraphs (1)(i) and (ii) of this condition.

(i) Stop the belt and withdraw a 6-inch wide sample from the full cross-section of the stopped belt to obtain a minimum two pounds of sample. Collect all the material (fines and coarse) in the full cross-section. Transfer the sample to a clean plastic bag.

(ii) Each composite sample will consist of a minimum of three samples collected at approximately equal intervals during the testing period.

(2) If sampling from a fuel pile or truck, collect fuel samples according to paragraphs (2)(i) through (iii) of this condition.

(i) For each composite sample, select a minimum of five sampling locations uniformly spaced over the surface of the pile.

(ii) At each sampling site, dig into the pile to a depth of 18 inches. Insert a clean flat square shovel into the hole and withdraw a sample, making sure that large pieces do not fall off during sampling.

(iii) Transfer all samples to a clean plastic bag for further processing.
[40 CFR 63.7521 (c)]

G.22. Prepare each composite sample according to the procedures as described below.

- (1) Thoroughly mix and pour the entire composite sample over a clean plastic sheet.
 - (2) Break sample pieces larger than 3 inches into smaller sizes.
 - (3) Make a pie shape with the entire composite sample and subdivide it into four equal parts.
 - (4) Separate one of the quarter samples as the first subset.
 - (5) If this subset is too large for grinding, repeat the procedure in paragraph (3) of this condition with the quarter sample and obtain a one-quarter subset from this sample.
 - (6) Grind the sample in a mill.
 - (7) Use the procedure in paragraph (3) of this condition to obtain a one-quarter subsample for analysis. If the quarter sample is too large, subdivide it further using the same procedure.
- [40 CFR 63.7521 (d)]

G.23. Determine the concentration of pollutants in the fuel (mercury, chlorine, and/or total selected metals) in units of pounds per million Btu of each composite sample for each fuel type according to the procedures in Table 6 (attached) of this permit.
[40 CFR 63.7521(e)]

Health-Based Compliance Alternatives for the Hydrogen Chloride (HCl) and Total Selected Metals (TSM) Standards

G.24. Compliance Alternative for HCL Emission Limit. As an alternative to demonstrate compliance with the HCl emission limit in Specific Condition G.2, the owner or operator may demonstrate eligibility for the health-based compliance alternative for HCl emissions under the procedures prescribed in appendix A (attached) of this permit.
[40 CFR 63.7507 (a)]

G.25. Compliance Alternative for TSM Emission Limit. In lieu of complying with the TSM emission standards in Specific Condition G.1 based on the sum of emissions for the eight selected metals, owner or operator may demonstrate eligibility for complying with the TSM emission standards based on the sum of emissions for seven selected metals (by excluding manganese emissions from the summation of TSM emissions) under the procedures prescribed in appendix A (attached) of this permit.
[40 CFR 63.7507 (b)]

Initial Compliance Requirements

G.26. If the owner or operator elects to demonstrate compliance with the emission limits of Specific Condition G.1, G.2 & G .3 through performance testing, the initial compliance requirements include the followings:

- a) Conducting performance tests according to Specific Condition G.13 through G.18 and Table 5 (attached);
- b) Conducting a fuel analysis for each type of fuel burned in the boiler or process heater according to Specific Condition G.19 through G.23 and Table 6 (attached);

c) Establishing operating limits according to Specific Condition G.29 and Table 7 (attached).
[40 CFR 63.7510(a)]

G.27. If the owner or operator elects to demonstrate compliance with the emission limits for HCl, mercury, or TSM through fuel analysis, the initial compliance requirement include the followings:

- a) Conduct a fuel analysis for each type of fuel burned in the boiler or process heater according to Specific Condition G.19 through G.23 and Table 6 (attached);
- b) Establish operating limits according to Specific condition G.30. and Table 8 (attached).

[40 CFR 63.7510(b)]

G.28. The owner or operator must demonstrate initial compliance no later than 180 days after September 13, 2007 according to § 63.7(a)(2) and Table 10/Appendix B. (attached).

[40 CFR 63.7510(d)]

G.29. If the owner or operator chooses to demonstrate compliance through performance testing, fuel analyses shall be conducted according to Specific Condition **G.19** through **G.23** and the maximum fuel pollutant input levels shall be established according to paragraph (1) through (3) of this condition.

(1) The maximum chlorine fuel input (C_{input}) shall be established during the initial performance testing according to the procedures in paragraphs (i) through (iii) of this condition.

(i) The owner or operator must determine the fuel type or fuel mixture that he/she could burn in the boiler or process heater that has the highest content of chlorine.

(ii) During the performance testing for HCl, the fraction of the total heat input shall be determined for each fuel type burned (Q_i) based on the fuel mixture that has the highest content of chlorine, and the average chlorine concentration of each fuel type burned (C_i).

(iii) The maximum chlorine input level shall be established using Equation 5 as shown below.

$$Cl_{input} = \sum_{i=1}^n [(C_i)(Q_i)] \quad (\text{Eq. 5})$$

Where:

Cl_{input} = Maximum amount of chlorine entering the boiler or process heater through fuels burned in units of pounds per million Btu.

C_i = Arithmetic average concentration of chlorine in fuel type, i, analyzed according to Sec. 63.7521, in units of pounds per million Btu.

Q_i = Fraction of total heat input from fuel type, i, based on the fuel mixture that has the highest content of chlorine. If the owner or operator does not burn multiple fuel types during the performance testing, it is not necessary to determine the value of this term. Insert a value of "1" for Q_i .

n = Number of different fuel types burned in the boiler or process heater for the mixture that has the highest content of chlorine.

(2) If the owner or operator choose to comply with the alternative TSM emission limit instead of the particulate matter emission limit, the maximum TSM fuel input level (TSM_{input}) shall be established during the initial performance testing according to the procedures in paragraphs (2)(i) through (iii) of this condition.

(i) The owner or operator must determine the fuel type or fuel mixture that he/she could burn in the boiler or process heater that has the highest content of TSM.

(ii) The fraction of total heat input from each fuel burned (Q_i) shall be determined based on the fuel mixture that has the highest content of total selected metals, and the average TSM concentration of each fuel type burned (M_i).

(iii) The baseline TSM input level shall be established using Equation 6 as shown below.

$$TSM_{input} = \sum_{i=1}^n [(M_i)(Q_i)] \quad (\text{Eq. 6})$$

Where:

TSM_{input} = Maximum amount of TSM entering the boiler or process heater through fuels burned in units of pounds per million Btu.

M_i = Arithmetic average concentration of TSM in fuel type, i , analyzed according to Specific Condition G.19 through G.23, in units of pounds per million Btu.

Q_i = Fraction of total heat input from based fuel type, i , based on the fuel mixture that has the highest content of TSM. If the owner or operator does not burn multiple fuel types during the performance test, it is not necessary to determine the value of this term. Insert a value of "1" for Q_i .

n = Number of different fuel types burned in the boiler or process heater for the mixture that has the highest content of TSM.

(3) The maximum mercury fuel input level ($Mercury_{input}$) shall be established during the initial performance testing using the procedures in paragraphs (3)(i) through (iii) of this condition.

(i) Owner or operator must determine the fuel type or fuel mixture that he/she could burn in your boiler or process heater that has the highest content of mercury.

(ii) During the compliance demonstration for mercury, the fraction of total heat input for each fuel burned (Q_i) should be determined based on the fuel mixture that has the highest content of mercury, and the average mercury concentration of each fuel type burned (HG_i).

(iii) The maximum mercury input level shall be established using Equation 7 as shown below.

$$Mercury_{input} = \sum_{i=1}^n [(HG_i)(Q_i)] \quad (\text{Eq. 7})$$

Where:

$Mercury_{input}$ = Maximum amount of mercury entering the boiler or process heater through fuels burned in units of pounds per million Btu.

HG_i = Arithmetic average concentration of mercury in fuel type, i , analyzed according to Specific Condition G.19 through G.23, in units of pounds per million Btu.

Q_i = Fraction of total heat input from fuel type, i , based on the fuel mixture that has the highest mercury content. If the owner or operator does not burn multiple fuel types during the performance test, it is not necessary to determine the value of this term. Insert a value of "1" for Q_i .

n = Number of different fuel types burned in your boiler or process heater for the mixture that has the highest content of mercury.

[40 CFR 63.7530 (c)]

G.30. If the owner or operator elects to demonstrate compliance with an applicable emission limit through fuel analysis, the fuel analyses shall be conducted according to Specific Condition G.19 through G.23 and follow the procedures in paragraphs (1) through (4) as described below.

(1) The owner or operator shall determine the 90th percentile confidence level fuel pollutant concentration of the composite samples analyzed for each fuel type using the one-sided z-statistic test described in Equation 8 as shown below.

$$P_{90} = \text{mean} + (\text{SD} \times t) \quad (\text{Eq. 8})$$

Where:

P90 = 90th percentile confidence level pollutant concentration, in pounds per million Btu.

mean = Arithmetic average of the fuel pollutant concentration in the fuel samples analyzed according to Specific Condition G.19 through G.23, in units of pounds per million Btu.

SD = Standard deviation of the pollutant concentration in the fuel samples analyzed according to Sec. Specific Condition G.19 through G.23, in units of pounds per million Btu.

t = t distribution critical value for 90th percentile (0.1) probability for the appropriate degrees of freedom (number of samples minus one) as obtained from a Distribution Critical Value Table.

(2) To demonstrate compliance with the applicable emission limit for HCl, the HCl emission rate calculated for the boiler or process heater using Equation 9 as shown below must be less than the applicable emission limit for HCl.

$$\text{HCl} = \sum_{i=1}^n [(C_{i90})(Q_i)(1.028)] \quad (\text{Eq. 9})$$

Where:

HCl = HCl emission rate from the boiler or process heater in units of pounds per million Btu.

C_{i90} = 90th percentile confidence level concentration of chlorine in fuel type, i, in units of pounds per million Btu as calculated according to Equation 8 of this section.

Q_i = Fraction of total heat input from fuel type, i, based on the fuel mixture that has the highest content of chlorine. If owner or operator does not burn multiple fuel types, it is not necessary to determine the value of this term. Insert a value of "1" for Q_i.

n = Number of different fuel types burned in the boiler or process heater for the mixture that has the highest content of chlorine.

1.028 = Molecular weight ratio of HCl to chlorine.

(3) To demonstrate compliance with the applicable emission limit for TSM, the TSM emission rate calculated for the boiler or process heater using Equation 10 as shown below must be less than the applicable emission limit for TSM.

$$\text{TSM} = \sum_{i=1}^n [(M_{i90})(Q_i)] \quad (\text{Eq. 10})$$

Where:

TSM = TSM emission rate from the boiler or process heater in units of pounds per million Btu.

Mi90 = 90th percentile confidence level concentration of TSM in fuel, i, in units of pounds per million Btu as calculated according to Equation 8 of this condition.

Qi = Fraction of total heat input from fuel type, i, based on the fuel mixture that has the highest content of total selected metals. If the owner or operator do not burn multiple fuel types, it is not necessary to determine the value of this term. Insert a value of "1" for Qi.

n = Number of different fuel types burned in the boiler or process heater for the mixture that has the highest content of TSM.

(4) To demonstrate compliance with the applicable emission limit for mercury, the mercury emission rate calculated for the boiler or process heater using Equation 11 as shown below must be less than the applicable emission limit for mercury.

$$\text{Mercury} = \sum_{i=1}^n [(HG_{i90})(Q_i)] \quad (\text{Eq. 11})$$

Where:

Mercury = Mercury emission rate from the boiler or process heater in units of pounds per million Btu.
HG_{i90} = 90th percentile confidence level concentration of mercury in fuel, i, in units of pounds per million Btu as calculated according to Equation 8 of this condition.

Qi = Fraction of total heat input from fuel type, i, based on the fuel mixture that has the highest mercury content. If the owner or operator does not burn multiple fuel types, it is not necessary to determine the value of this term. Insert a value of "1" for Qi.

n = Number of different fuel types burned in the boiler or process heater for the mixture that has the highest mercury content.

[40 CFR 63.7530(d)]

G.31. The Notification of Compliance Status containing the results of the initial compliance demonstration shall be submitted according to the requirements in Specific Condition **G.50**.

[40 CFR 7530(e)]

Frequency of Performance Tests or Fuel Analyses

G.32. All applicable performance tests shall be conducted according to Specific Condition G.13. through G.18. on an annual basis, unless the owner or operator follows the requirements listed in specific condition G.33. through G.35. Annual performance tests must be completed between 10 and 12 months after the previous performance test, unless the owner or operator follow the requirements listed in specific condition G.33 through G.35.

[40 CFR 63.7515(a)]

G.33. The owner or operator can conduct performance tests less often for a given pollutant if his/her performance tests for the pollutant (particulate matter, HCl, mercury, or TSM) for at least 3 consecutive years show that he/she complies with the emission limit. In this case, the owner or operator does not have to conduct a performance test for that pollutant for the next 2 years. The owner or operator must conduct a performance test during the third year and no more than 36 months after the previous performance test.

[40 CFR 63.7515(b)]

G.34. If the boiler or process heater continues to meet the emission limit for particulate matter, HCl, mercury, or TSM, the owner or operator may choose to conduct performance tests for these pollutants every third year, but each such performance test must be conducted no more than 36 months after the previous performance test.

[40 CFR 63.7515(c)]

G.35. If a performance test shows noncompliance with an emission limit for particulate matter, HCl, mercury, or TSM, annual performance tests shall be conducted for that pollutant until all performance tests over a consecutive 3-year period show compliance.

[40 CFR 63.7515(d)]

G.36. The fuel analysis shall be conducted according to Specific Condition G.19 through G.23 for each type of fuel burned no later than 5 years after the previous fuel analysis for each fuel type. If the owner or operator burns a new type of fuel, he/she must conduct a fuel analysis before burning the new type of fuel in the boiler or process heater. The owner or operator must still meet all applicable continuous compliance requirements in Specific Condition G.43 through G.46.

[40 CFR 63.7515(f)]

G.37. The results of performance tests and fuel analyses shall be reported within 60 days after the completion of the performance tests or fuel analyses. This report should also verify that the operating limits for the affected source have not changed or provide documentation of revised operating parameters established according to Specific Condition G.29 or G.30 and Table 7 (attached), as applicable. The reports for all subsequent performance tests and fuel analyses should include all applicable information required Specific Condition G.52 through G.56.

[40 CFR 63.7515(g)]

Monitoring, Installation, Operation, and Maintenance Requirements

G.38. The owner or operator shall install, operate, certify and maintain the continuous opacity monitoring system (COMS) according to the procedures in paragraphs (1) through (7) of this condition no later than September 13, 2007.

(1) Each COMS must be installed, operated, and maintained according to PS 1 of 40 CFR part 60, appendix B.

(2) A performance evaluation of each COMS shall be conducted according to the requirements in § 63.8 of Appendix B (attached) and according to PS 1 of 40 CFR part 60, appendix B.

(3) As specified in § 63.8(c)(4)(i) of Appendix B (attached), each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period.

(4) The COMS data must be reduced as specified in §63.8(g)(2) of Appendix B (attached).

(5) The site-specific monitoring plan procedures and acceptance criteria for operating and maintaining each COMS shall be included according to the requirements in § 63.8(d) of Appendix B (attached). At a minimum, the monitoring plan must include a daily calibration drift assessment, a quarterly performance audit, and an annual zero alignment audit of each COMS.

(6) Owner or operator must operate and maintain each COMS according to the requirements in the monitoring plan and the requirements of § 63.8(e) of Appendix B (attached). Identify periods the COMS is out of control including any periods that the COMS fails to pass a daily calibration drift assessment, a quarterly performance audit, or an annual zero alignment audit.

(7) Owner or operator must determine and record all the 6-minute averages (and 1-hour block averages as applicable) collected for periods during which the COMS is not out of control.

[40 CFR 63.7525 (b)]

G.39. Owner or operator must use voltage and secondary current (or total power input) monitoring equipment to measure voltage and secondary current to the electrostatic precipitator (ESP).

[40 CFR 63.7525 (g)]

Continuous Compliance Demonstration

G.40. The owner or operator must monitor and collect data according to this subsection and the site-specific monitoring plan required by Specific Condition G.11.

[40 CFR 63.7535(a)]

G.41. Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), owner or operator must monitor continuously (or collect data at all required intervals) at all times that the affected source is operating.

[40 CFR 63.7535(b)]

G.42. The owner or operator may not use data recorded during monitoring malfunctions, associated repairs, or required quality assurance or control activities in data averages and calculations used to report emission or operating levels. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system.

[40 CFR 63.7535(c)]

G.43. The owner or operator shall demonstrate continuous compliance with each emission limit, operating limit, and work practice standard as stated in specific condition **G.1.** through **G.6.** according to the methods specified in Table 8 (attached) and paragraphs (1) through (8) of this condition.

(1) Following the date on which the initial performance test is completed or is required to be completed, whichever date comes first, the owner or operator shall not operate above the maximum operating limits as stated in Specific Condition **G.4**, **G.5**, and **G.6** at all times except during periods of startup, shutdown and malfunction. Operating limits do not apply during performance tests. Operation above the established maximum operating limits shall constitute a deviation of established operating limits.

(2) The owner or operator shall keep records of the type and amount of all fuels burned in each boiler or process heater during the reporting period to demonstrate that all fuel types and mixtures of fuels burned would either result in lower emissions of TSM, HCl, and mercury, than the applicable emission limit for each pollutant (if demonstrate compliance through fuel analysis), or result in lower fuel input of TSM, chlorine, and mercury than the maximum values calculated during the last performance tests (if demonstrate compliance through performance testing).

(3) If you demonstrate compliance with an applicable HCl emission limit through fuel analysis and you plan to burn a new type of fuel, you must recalculate the HCl emission rate using Equation 9 of specific condition **G.30**, according to paragraphs (i) through (iii) of this section.

(i) You must determine the chlorine concentration for any new fuel type in units of pounds per million Btu, based on supplier data or your own fuel analysis, according to the provisions in your site-specific fuel analysis plan developed according to specific condition **G.20**.

(ii) You must determine the new mixture of fuels that will have the highest content of chlorine.

(iii) Recalculate the HCl emission rate from your boiler or process heater under these new conditions using Equation 9 of specific condition **G.30**. The recalculated HCl emission rate must be less than the applicable emission limit.

(4) If you demonstrate compliance with an applicable HCl emission limit through performance testing and you plan to burn a new type of fuel type or a new mixture of fuels, you must recalculate the maximum chlorine input using Equation 5 of specific condition **G.29**. If the results of recalculating the maximum chlorine input using Equation 5 of specific condition **G.29** are higher than the maximum chlorine input level established during the previous performance test, then you must conduct a new performance test within 60 days of burning the new fuel type or fuel mixture according to the procedures in specific conditions **G.13** to **G.18**, to demonstrate that the HCl emissions do not exceed the emission limit. You must also establish new operating limits based on this performance test according to the procedures specific condition **G.29**.

(5) If you demonstrate compliance with an applicable TSM emission limit through fuel analysis, and you plan to burn a new type of fuel, you must recalculate the TSM emission rate using Equation 10 of specific condition **G.30**, according to the procedures specified in paragraphs (a)(5)(i) through (iii) of this section.

(i) You must determine the TSM concentration for any new fuel type in units of pounds per million Btu, based on supplier data or your own fuel analysis, according to the provisions in your site-specific fuel analysis plan developed according to specific condition **G.20**.

(ii) You must determine the new mixture of fuels that will have the highest content of TSM.

(iii) Recalculate the TSM emission rate from your boiler or process heater under these new conditions using Equation 10 of specific condition **G.30**. The recalculated TSM emission rate must be less than the applicable emission limit.

(6) If you demonstrate compliance with an applicable TSM emission limit through performance testing, and you plan to burn a new type of fuel or a new mixture of fuels, you must recalculate the maximum TSM input using Equation 6 of specific condition **G.29**. If the results of recalculating the maximum total selected metals input using Equation 6 of specific condition **G.29** are higher than the maximum TSM input level established during the previous performance test, then you must conduct a new performance test within 60 days of burning the new fuel type or fuel mixture according to the procedures in specific conditions **G.13** to **G.18**, to demonstrate that the TSM emissions do not exceed the emission limit. You must also establish new operating limits based on this performance test according to the procedures in specific condition **G.29**.

(7) If you demonstrate compliance with an applicable mercury emission limit through fuel analysis, and you plan to burn a new type of fuel, you must recalculate the mercury emission rate using Equation 11 of specific condition **G.29**, according to the procedures specified in paragraphs (a)(7)(i) through (iii) of this section.

(i) You must determine the mercury concentration for any new fuel type in units of pounds per million Btu, based on supplier data or your own fuel analysis, according to the provisions in your site-specific fuel analysis plan developed according to specific condition **G.20**.

(ii) You must determine the new mixture of fuels that will have the highest content of mercury.

(iii) Recalculate the mercury emission rate from your boiler or process heater under these new conditions using Equation 11 of specific condition **G.30**. The recalculated mercury emission rate must be less than the applicable emission limit.

(8) If you demonstrate compliance with an applicable mercury emission limit through performance testing, and you plan to burn a new type of fuel or a new mixture of fuels, you must recalculate the maximum mercury input using Equation 7 of specific condition **G.29**. If the results of recalculating the maximum mercury input using Equation 7 of specific condition **G.29** are higher than the maximum mercury input level established during the previous performance test, then you must conduct a new performance test within 60 days of burning the new fuel type or fuel mixture according to the procedures in specific condition **G.13** to **G.18** to demonstrate that the mercury emissions do not exceed the emission limit. You must also establish new operating limits based on this performance test according to the procedures in specific condition **G.29**.

[40 CFR 63.7540 (a)]

G.44. The owner or operator shall report each instance in which he/she did not meet each emission limit, operating limit, and work practice standard in Specific Condition G.1 through G.6. Each instance during a startup, shutdown, or malfunction also shall be reported when the boiler did not meet each applicable emission limit, operating limit, and work practice standard. These instances are deviations from the emission limits and work practice standards in this subpart. These deviations must be reported.

[40 CFR 63.7540 (b)]

G.45. During periods of startup, shutdown, and malfunction, the owner or operator shall operate in accordance with the SSMP.

[40 CFR 63.7540 (c)]

G.46. Deviations that occur during a period of startup, shutdown, or malfunction are not violations if the owner or operator demonstrates to the Department that he/she was operating in accordance with his/her SSMP. The Department will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the § 63.6(e) of Appendix B (attached).

[40 CFR 63.7540 (d)]

Notification Requirements

G.47. All of the notifications in § 63.7(b) and (c), 63.8 (e), (f)(4) and (6), and 63.9 (b) through (h) of Appendix B (attached) that apply shall be submitted by the dates specified.

[40 CFR 63.7545(a)]

G.48. As specified in § 63.9(b)(4) and (b)(5) of Appendix B (attached), to startup a new or reconstructed affected source on or after November 12, 2004, the Initial Notification shall be submitted not later than 15 days after the actual date of startup of the affected source.
[40 CFR 63.7545(c)]

G.49. The Notification of Intent to conduct a performance test shall be submitted at least 30 days before the performance test is scheduled to begin.
[40 CFR 63.7545(d)]

G.50. The Notification of Compliance Status shall be submitted according to § 63.9(h)(2)(ii) of Appendix B (attached). For each initial compliance demonstration, the owner or operator must submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of the performance test and/or other initial compliance demonstrations according to § 63.10(d)(2) of Appendix B (attached). The Notification of Compliance Status report must contain all the information specified in paragraphs (1) through (9) of Specific Condition F.38, as applicable.

(1) A description of the affected source(s) including identification of which subcategory the source is in, the capacity of the source, a description of the add-on controls used on the source description of the fuel(s) burned, and justification for the fuel(s) burned during the performance test.

(2) Summary of the results of all performance tests, fuel analyses, and calculations conducted to demonstrate initial compliance including all established operating limits.

(3) Identification of whether the affected source are complying with the particulate matter emission limit or the alternative total selected metals emission limit.

(4) Identification of whether the owner or operator plans to demonstrate compliance with each applicable emission limit through performance testing or fuel analysis.

(5) Identification of whether owner or operator plans to demonstrate compliance by emissions averaging.

(6) A signed certification that owner or operator has met all applicable emission limits and work practice standards.

(7) A summary of the carbon monoxide emissions monitoring data and the maximum carbon monoxide emission levels recorded during the performance test to show that owner or operator have met any applicable work practice standard in Table 1 to this permit.

(8) If the new or reconstructed boiler or process heater is in one of the liquid fuel subcategories and burns only liquid fossil fuels other than residual oil either alone or in combination with gaseous fuels, you must submit a signed statement certifying this in the Notification of Compliance Status report.

(9) If had a deviation from any emission limit or work practice standard, the owner or operator shall also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

[40 CFR 63.7545(e)]

Recordkeeping and Reporting

G.51. The owner or operator shall submit each report in Table 9 (attached) to this permit that applies.
[40 CFR 63.7550 (a)]

G.52. Unless the Department has approved a different schedule for submission of reports under § 63.10(a) of Appendix B (attached), each report shall be submitted by the date in Table 9 (attached) to this permit and according to the requirements in paragraphs (1) through (5) of this condition.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for the affected source in 40 CFR 63.7495 and ending on June 30 or December 31, whichever date is the first date that occurs at least 180 days after September 13, 2007.

(2) The first compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after September 13, 2007.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(4) Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(5) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 40 CFR part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), the owner or operator may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (1) through (4) of this condition.

[40 CFR 63.7550 (b)]

G.53. The compliance report must contain the information required in paragraphs (1) through (9) of this condition.

(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(3) Date of report and beginning and ending dates of the reporting period.

(4) The total fuel use by each affected source subject to an emission limit, for each calendar month within the semiannual reporting period, including, but not limited to, a description of the fuel and the total fuel usage amount with units of measure.

(5) A summary of the results of the annual performance tests and documentation of any operating limits that were reestablished during this test, if applicable.

(6) A signed statement indicating that the owner or operator burned no new types of fuel.

(7) If the owner or operator had a startup, shutdown, or malfunction during the reporting period and he/she took actions consistent with his/her SSMP, the compliance report must include the information in 40 CFR 63.10(d)(5)(i).

(8) If there are no deviations from any emission limits or operating limits in this subpart that apply to the affected source, and there are no deviations from the requirements for work practice standards in this subpart, a statement that there were no deviations from the emission limits, operating limits, or work practice standards during the reporting period.

(9) If there were no periods during which the CMSs, including CEMS, COMS, and CPMS, were out of control as specified in § 63.8(c)(7) of Appendix B (attached), a statement that there were no periods during which the CMSs were out of control during the reporting period.

[40 CFR 63.7550 (c)]

G.54. For each deviation from an emission limit or operating limit in this section and for each deviation from the requirements for work practice standards in this section that occurs at an affected source where owner or operator are not using a CMSs to comply with that emission limit, operating limit, or work practice standard, the compliance report must contain the information in specific condition G.53 and the information required in paragraphs (1) through (4) of this condition. This includes periods of startup, shutdown, and malfunction.

(1) The total operating time of each affected source during the reporting period.

(2) A description of the deviation and which emission limit, operating limit, or work practice standard from which you deviated.

(3) Information on the number, duration, and cause of deviations (including unknown cause), as applicable, and the corrective action taken.

(4) A copy of the test report if the annual performance test showed a deviation from the emission limit for particulate matter or the alternative TSM limit, a deviation from the HCl emission limit, or a deviation from the mercury emission limit.

[40 CFR 63.7550 (d)]

G.55. For each deviation from an emission limitation and operating limit or work practice standard in this subpart occurring at an affected source where owner or operator are using a CMS to comply with that emission limit, operating limit, or work practice standard, he/she must include the information in specific condition G.53 and the information required in paragraphs (1) through (12) of this condition. This includes periods of startup, shutdown, and malfunction and any deviations from the site-specific monitoring plan as required specific condition G.11.

(1) The date and time that each malfunction started and stopped and description of the nature of the deviation (i.e., what you deviated from).

(2) The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks.

(3) The date, time, and duration that each CMS was out of control, including the information in §63.8(c)(8) of Appendix B (attached).

(4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.

(5) A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.

(6) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.

(7) A summary of the total duration of CMSs downtime during the reporting period and the total duration of CMS downtime as a percent of the total source operating time during that reporting period.

(8) An identification of each parameter that was monitored at the affected source for which there was a deviation, including opacity, carbon monoxide, and operating parameters for wet scrubbers and other control devices.

(9) A brief description of the source for which there was a deviation.

(10) A brief description of each CMS for which there was a deviation.

(11) The date of the latest CMS certification or audit for the system for which there was a deviation.

(12) A description of any changes in CMSs, processes, or controls since the last reporting period for the source for which there was a deviation.
[40 CFR 63.7550 (e)]

G.56. All deviations as defined in this permit shall be reported in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to Table 9 to this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any emission limit, operating limit, or work practice requirement in this subpart, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report does not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.
[40 CFR 63.7550 (f)]

G.57. The records shall be kept according to paragraphs (1) through (3) as described below.

(1) A copy of each notification and report that the owner or operator submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that he/she submitted, according to the requirements in § 63.10(b)(2)(xiv) of Appendix B.

(2) The records in § 63.6(e)(3)(iii) through (v) of Appendix B (attached) related to startup, shutdown, and malfunction.

(3) Records of performance tests, fuel analyses, or other compliance demonstrations, performance evaluations, and opacity observations as required in § 63.10(b)(2)(viii) of Appendix B (attached).

[40 CFR 63.7555(a)]

G.58. The records shall be kept for the COMS according to paragraphs (1) through (5) of this condition.

(1) Records described in § 63.10(b)(2) (vi) through (xi) of Appendix B (attached).

(2) Monitoring data for continuous opacity monitoring system during a performance evaluation as required in 40 CFR 63.6(h)(7)(i) and (ii) of Appendix B (attached).

(3) Previous (i.e., superseded) versions of the performance evaluation plan as required in § 63.8(d)(3) of Appendix B (attached).

(5) Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.

[40 CFR 63.7555(b)]

G.59. The owner or operator shall keep the records required in Table 8 (attached) including records of all monitoring data and calculated averages for applicable operating limits such as opacity, pressure drop, carbon monoxide, and pH to show continuous compliance with each emission limit, operating limit, and work practice standard that applies.

[40 CFR 63.7555(c)]

G.60. For each boiler or process heater subject to an emission limit, the owner or operator must also keep the records in paragraphs (1) through (4) as described below.

(1) The owner or operator must keep records of monthly fuel use by each boiler or process heater, including the type(s) of fuel and amount(s) used.

(2) A copy of all calculations and supporting documentation of maximum chlorine fuel input, using Equation 5 of Specific Condition G.29, that were done to demonstrate continuous compliance with the HCl emission limit, for sources that demonstrate compliance through performance testing. For sources that demonstrate compliance through fuel analysis, a copy of all calculations and supporting documentation of HCl emission rates, using Equation 9 of Specific Condition G.30, that were done to demonstrate compliance with the HCl emission limit. Supporting documentation should include results of any fuel analyses and basis for the estimates of maximum chlorine fuel input or HCl emission rates. The owner or operator can use the results from one fuel analysis for multiple boilers and process heaters provided they are all burning the same fuel type. However, owner or operator must calculate chlorine fuel input, or HCl emission rate, for each boiler and process heater.

(3) A copy of all calculations and supporting documentation of maximum TSM fuel input, using Equation 6 of Specific Condition G.29, that were done to demonstrate continuous compliance with the TSM emission limit for sources that demonstrate compliance through performance testing. For sources that demonstrate compliance through fuel analysis, a copy of all calculations and supporting documentation of TSM emission rates, using Equation 10 of Specific Condition G.30, that were done to demonstrate compliance with the TSM emission limit. Supporting documentation should include results of any fuel analyses and basis for the estimates of maximum TSM fuel input or TSM emission rates. The owner or operator can use the results from one fuel analysis for multiple boilers and process heaters provided they are all burning the same fuel type. However, TSM fuel input, or TSM emission rates shall be calculated, for each boiler and process heater.

(4) A copy of all calculations and supporting documentation of maximum mercury fuel input, using Equation 7 Specific Condition G.29, that were done to demonstrate continuous compliance with the mercury emission limit for sources that demonstrate compliance through performance testing. For sources that demonstrate compliance through fuel analysis, a copy of all calculations and supporting documentation of mercury emission rates, using Equation 11 of Specific Condition of G.30, that were done to demonstrate compliance with the mercury emission limit. Supporting documentation should include results of any fuel analyses and basis for the estimates of maximum mercury fuel input or mercury emission rates. The owner or operator can use the results from one fuel analysis for multiple boilers and process heaters provided they are all burning the same fuel type. However, mercury fuel input, or mercury emission rates shall be calculated, for each boiler and process heater.

[40 CFR 63.7555(d)]

G.61. The records must be in a form suitable and readily available for expeditious review, according to § CFR 63.10(b)(1) of Appendix B (attached).

[40 CFR 63.7560(a)]

G.62. As specified in § 63.10(b)(1) of Appendix B (attached), each record should be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

[40 CFR 63.7560(b)]

Georgia-Pacific Corporation
Hawthorne Plywood Mill

FINAL Permit No.: 1070015-009-AV
Facility ID No.: 1070015
Effective Date:
Expiration Date: October 25, 2009

G.63. Each record should be kept on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1) of Appendix B (attached). Owner or operator shall keep the records off site for the remaining 3 years.
[40 CFR 63.7560(c)]

G.64. Except when all of the applicable requirements 40 CFR 63 Subpart DDDDD are being met, this emissions unit is subject to the Compliance Assurance Monitoring (CAM) requirements contained in the attached Appendix CAM. Failure to adhere to the monitoring requirements specified does not necessarily indicate an exceedance of a specific emissions limitation; however, it may constitute good reason to require compliance testing pursuant to Rule 62-297.310(7)(b), F.A.C.
[40 CFR 64; Rules 62-204.800 and 62-213.440(1)(b)1.a., F.A.C.]

Subsection H. 40 CFR 63, Subpart DDDD Requirements

<u>E.U. ID No.</u>	<u>Brief Description</u>
004	#1,2,3 Plywood Presses
005	#1,2,3 Veneer Dryers with a Regenerative Thermal Oxidation (RTO) to control Volatile Organic Compounds (VOC) emissions.
006	#1 Indirect Fired Lumber Drying Kiln
007	#2 Indirect Fired Lumber Drying Kiln

H.0. The permittee shall comply with the following requirements of 40 CFR Part 63, Subpart DDDD no later than the compliance deadline established in the Subpart, i.e. no later than October 1, 2007. The Permittee shall apply for and obtain air construction permits as needed, in order to meet these requirements.

[40 CFR 63.2233(b)]

Emissions Limiting Standard (s) and Work Practice Standards

H.1. Conditions of 40 CFR 63 Subpart DDDD: National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products (Attached)

Subsection I. EPA Low-Risk Subcategory of 40 CFR 63, Subpart DDDD

<u>E.U. ID No.</u>	<u>Brief Description</u>
004	#1,2,3 Plywood Presses
005	#1,2,3 Veneer Dryers with a Regenerative Thermal Oxidation (RTO) to control Volatile Organic Compounds (VOC) emissions.

I.0. This facility is part of the delisted low-risk subcategory of Plywood and Composite Wood Product manufacturing facilities based on the EPA risk demonstration dated July 1, 2005. Thus this facility is not subject to the MACT compliance options, operating requirements, and work practice requirements in the final rule, 40 CFR Part 63, Subpart DDDD, **PROVIDED** the facility accepts the conditions of this subsection in accordance with the milestones identified in the Compliance Plan, Appendix CP. [EPA letter dated July 1, 2005; Preamble to 40 CFR 63 Subpart DDDD: Plywood and Composite Wood Products]

Emissions Limiting Standard (s) and Work Practice Standards

I.1. The following parameters were established by the EPA's risk demonstration and must be maintained to remain in the low-risk subcategory.

Related Emission Unit	Process Unit	Process Unit Throughput	Process Description	HAP Emissions Control Device	HAP Emissions % Reduction
EU 005	Veneer Dryer #1	160,526 MSF/yr 3/8"	Indirect-fired veneer dryer processing 100% softwoods.	RTO	95%
	Veneer Dryer #2	133,772 MSF/yr 3/8"			
	Veneer Dryer #3	80,263 MSF/yr 3/8"			
	Log Vats	374,561 MSF/yr 3/8" (Total Veneer Dryer Throughput)	--	--	--
EU 004	Chipping Operations	321,926 MSF/yr 3/8"	--	--	--
	Sanding Operations	375,369 MSF/yr 3/8"	--	--	--
	Sawing Operations	375,369 MSF/yr 3/8"	--	--	--
	Softwood Plywood Press #1	141,636 MSF/yr 3/8"	Softwood plywood press, heated with steam.	--	--
	Softwood Plywood Press #2	141,636 MSF/yr 3/8"		--	--
	Softwood Plywood Press #3	92,370 MSF/yr 3/8"		--	--

[EPA letter dated July 1, 2005]

Georgia-Pacific Corporation
Hawthorne Plywood Mill

FINAL Permit No.: 1070015-009-AV
Facility ID No.: 1070015
Effective Date:
Expiration Date: October 25, 2009

Subsection J. NESHAPs Common Conditions.

<u>E.U. ID No.</u>	<u>Brief Description</u>
001	Wood Waste Fired Boiler
004	#1,2,3 Plywood Presses
005	#1,2,3 Veneer Dryers with a Regenerative Thermal Oxidation (RTO) to control Volatile Organic Compounds (VOC) emissions.

J.0. The permittee shall comply with the following requirements of 40 CFR Part 63, Subpart A when they are subject to an individual MACT requirement in Subsection G. or H. In the event that the emission unit is no longer subject to the MACT requirement, they are also not subject to this Subsection.

The following conditions apply to the NESHAPs emissions units listed above:

40 CFR 63, Subpart A - General Provisions Requirements (Attached)

Appendix CP- Compliance Plan

E.U.	Description
003	Sludge Dryer

Compliance Schedule.

The following dates shall be met to satisfy measurable progress milestones for the facility to come into compliance with NESHAPS 40 CFR 61 Subpart E Standard.

E.U. ID. No.	Milestone	Milestone Date
004 005	A letter shall be submitted to both the USEPA and the Department which states that the facility will comply with either 1) the conditions of the USEPA Low Risk Demonstration (as stated in Condition I.1.), or 2) the standards of 40 CFR 63 Subpart DDDD: Plywood and Composite Wood Products	<ul style="list-style-type: none"> ▪ September 1, 2007
004 005	IF the facility does not accept the conditions of the USEPA Low Risk Demonstration prior to September 1, 2007, the facility must comply with the conditions of 40 CFR 63 Subpart DDDD: Plywood and Composite Wood Products.	<ul style="list-style-type: none"> ▪ October 1, 2007
004 005	IF the facility accepts the conditions of USEPA Low Risk Demonstration prior to September 1, 2007, the facility shall comply with the conditions of Permit No. 1070015-009-AV, Subsection I, as set forth in the USEPA letter dated July 1, 2005.	<ul style="list-style-type: none"> ▪ October 1, 2007



Department of Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Colleen Castille
Secretary

October 20, 2006

Leon Pinner, Plant Manager
Georgia-Pacific Corporation
223 Gordon Chapel Road
Hawthorne, Florida 32640

Re: Putnam County – Air Permitting
Georgia-Pacific Corporation - Hawthorne Plywood Plant
AIRS ID No. 1070015 Project No. 012-AV
Request for Additional Information for Health Based Alternative Compliance
Demonstration

Dear Mr. Pinner:

In accordance with Rule 62-213.420(1)(b)2., F.A.C., and Rule 62-4.070(1), F.A.C., the Department has reviewed the subject application and has determined that the following information and questions need to be answered before the application can be further processed.

Should your response to any of the below items require new calculations, please submit the new calculations, assumptions, reference material and appropriate revised pages of the application form.

1. Please describe the location where the samples were collected for the fuel analysis. Please indicate if there is a magnet in the fuel conveyor system. Please provide a diagram to indicate the sampling location at the fuel conveyor system and the location of the magnet (if any). Please explain if the magnet (if any) can remove Manganese from the fuel.
2. Please confirm that the ESP exhaust point is the only emissions point for the emissions unit. Please verify that the ash hopper of ESP, multi-cyclone collector and ash screen are total enclosed and there are no emissions from these systems.
3. To estimate the worst case Mn emissions rate, the applicant multiplies 0.0053 lb/hr by the ratio of the allowable PM emissions rate to the measured PM rate. Please provide the reasoning of this calculations step.
4. Please provide aerials photograph to indicate the location of the sensitive receptor (for example, school, daycare, senior community, hospital).

Mr. Leon Pinner
Georgia-Pacific Corporation
October 20, 2006
Page 2

5. Since there is only one emissions point for the emissions unit, Hazard Index (HI) is equal to Hazard Quotient (HQ). For inhalation exposures, the HQ is calculated as the air concentration divided by the RfC. Based on the submitted information, the HI for 2001 is estimated to be 0.76 instead of 0.38 as shown in Table 6-1. Please describe how the HI is estimated from year 2001 to 2005.
6. The applicant shall estimate the inhalation exposure for the individual most exposed to the facility's emissions as required by Section 7 (c)(2) of Appendix A of 40 CFR 63, Subpart DDDDD. This is the modeling node where the maximum modeled air concentration occurs, regardless there is a person there or not.
7. The applicant has proposed to establish an emissions limit of 0.53 lb Mn/hr in the permit. Please realize that a short-term emissions limit might require testing to demonstrate compliance with the limit.
8. Based on the application received on November 22, 1994, for the construction of ESP, the stack height is 80 feet. However, the stack height is 82 feet according to this permit application. Please explain the difference. Please also describe how the stack height is being measured or estimated.

Please note that DARM is reviewing the Modeling Report and might have additional questions regarding this project.

Responsible Official (R.O.) Certification Statement:

Rule 62-213.420, F.A.C. requires that a responsible official must certify all Title V permit applications. Due to the nature of the information requested above, the responsible official should certify your response. Please complete and submit a new R.O. certification statement page from the new long application form, DEP Form No. 62-210.900(1), effective June 16, 2003.

Professional Engineer (P.E.) Certification Statement:

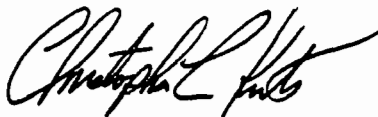
Rule 62-4.050(3), F.A.C. requires that a professional engineer registered in the State of Florida must certify all applications for a Department permit. This requirement also applies to responses to Department requests for additional information of an engineering nature. As a result, a professional engineer registered in the State of Florida should certify your response. Please complete and submit a new P.E. certification statement page from the new long application form, DEP Form No. 62-210.900(1), effective June 16, 2003.

Mr. Leon Pinner
Georgia-Pacific Corporation
October 20, 2006
Page 3

The Department must receive a response from you within 90 (ninety) days of receipt of this letter, unless you (the applicant) request additional time under Rule 62-213.420(1)(b)6., F.A.C.

If you should have any questions, please call MengChiu Lim at (904) 807-3238.

Sincerely,

A handwritten signature in black ink, appearing to read "Christopher L. Kirts". The signature is fluid and cursive, with a large initial "C" and "K".

Christopher L. Kirts, P.E.
District Air Program Administrator

CLK: mcl

Cc: Margarete Vest, SR Field Environmental Engineer, Georgia-Pacific Corporation

Phillips, Cindy

From: Lim, Meng
Sent: Monday, October 09, 2006 1:24 PM
To: Phillips, Cindy
Subject: Health Based Compliance Alternative

Hi Cindy,

I am reviewing the HBCA report submitted by GP Plywood plant (ID:1070015). I got a few questions that maybe you can help me with.

The facility is proposing to use site specific compliance demonstration option. According to their permit, the unit is allowed to burn green & dry wood, 500 lbs/week of glue wastes and propane as pilot fuel.

According to section 8(A)(3) of Appendix A of subpart DDDDD, the applicant shall conduct fuel analyses for each fuel and emission point which has been conducted including collection and analytical methods used.

At this point, they have submitted the fuel analysis for wood fuel. I don't really think propane has to be tested because i don't see any significant impact it will have since it is only used as pilot fuel, and i also don't think it will have too much (if any) manganese in the fuel.

I am not so sure about the glue wastes though...i think i will ask them to test it. Do you think the glue waste is a "fuel" from the federal rule standpoint?

This is kind of important from the sense that they have to demonstrate that the tests conducted are under worst case scenario.

The facility is proposing to establish Mn emissions rate of 0.53 lb/hr. The unit is permitted for 224 MMBtu/hr. By back calculating the Mn emissions rate, i got 0.00237 lb/MMBtu, which is actually higher than 0.001 lb/MMBtu emissions limit set by MACT for existing large solid fuel boiler for TSM. How's that make sense even if their demonstration indicates that none of the HQ values for manganese are greater than 1.0 at locations where people live or congregate?

There are some modeling information submitted with the report...which i don't have the technical knowledge to review them. Is there any body in DAM that can help in that part of the report?

Thank you for your help.

MengChiu Lim
State of Florida
Department of Environmental Protection
Northeast District Air Program
7825 Baymeadows Way, Suite B 200
Jacksonville, Florida
Phone: 904-807-3238
Fax: 904-448-4363



DARM Home | ARMS Inv Rpts | Permitting | ARMS CA Rpts | ARMS Ad Hoc | EASIIR Rpts | Applications | Help |

Emission Report by Emission Unit

Data for this Report is One Day Old Production Data.

Facility ID: 1070015

Owner/Company Name: GEORGIA-PACIFIC CORP. PLYWOOD PLANT

Site Name: GEORGIA-PACIFIC CORP. PLYWOOD PLANT

City: HAWTHORNE

Office: NED

County: PUTNAM

Status: ACTIVE

Compliance Tracking Code: A

SIC: 2436

Type: PLYWOOD/PARTICLEBOARD PLANT

PSD: N

PPS: N

NSPS:

NESHAP:

Title V Source: Y

Syn Non-Title V Source:

Major of HAPS: Y

Major of Non-HAP Pollutants: Y

Syn Minor of HAPS:

Syn Minor of Non-HAP Pollutants:

EU#	Status	Desc	Pollutant	Status	Poten(TPY)	Allow(TPY)	Actual(TPY) 2005	Actual(TPY)
1	A	BOILER WOOD/BARK W/ ESP	CO	A			359.7802	2
			NOX	A			131.9399	1
			PM	A	146.7600	146.7600	3.5937	
			PM10	A			3.5937	
			SO2	A			14.9908	
			VOC	A			7.8035	
2	A	CONVEYING SYSTEM(SKINNER SAW & GLUE LINE EACH W/ A CYCLONE)	H115	A			2.9671	
			PM	A	51.2000	51.2000	31.2172	
			PM10	A			31.2172	
			VOC	A			22.7317	
3	A	CONVEYING SYSTEM PANEL SANDING PT. 6 W/BAGHOUSE	H115	A			.4428	
			PM	A	4.4900	4.4900	2.4594	
			PM10	A			2.4594	
			VOC	A			6.6424	
4	A	1,2,3 PRESSES	H001	A	2.4200		1.6725	
			H095	A		1.9900	.2889	
			H115	A	66.2000		45.6138	
			H144	A		30.9000	.2129	
			HAPS	A			49.5670	
			PM	A			18.2455	
			PM10	A			18.2455	
			VOC	A	66.2300	66.2300	38.0115	
5	A	#1,2,3 dryers with a RTO Unit to control VOC.	CO	A			15.9718	
			H001	A			.9887	
			H115	A			1.8710	
			HAPS	A			5.4608	
			NOX	A			3.5355	
			PM	A	30.0000	30.0000	8.4012	

PM10	A	8.4012
VOC	A	34.0732

EU#: 6 **Status:** C **Desc:** Foil Overlay Line

Pollutant	Status	Poten(TPY)	Allow(TPY)	Actual(TPY) 2005	Actual(TPY)
HAPS	A	2.1500			
VOC	A	10.7000			

Number of Facilities Selected: 1

You entered the following criteria:

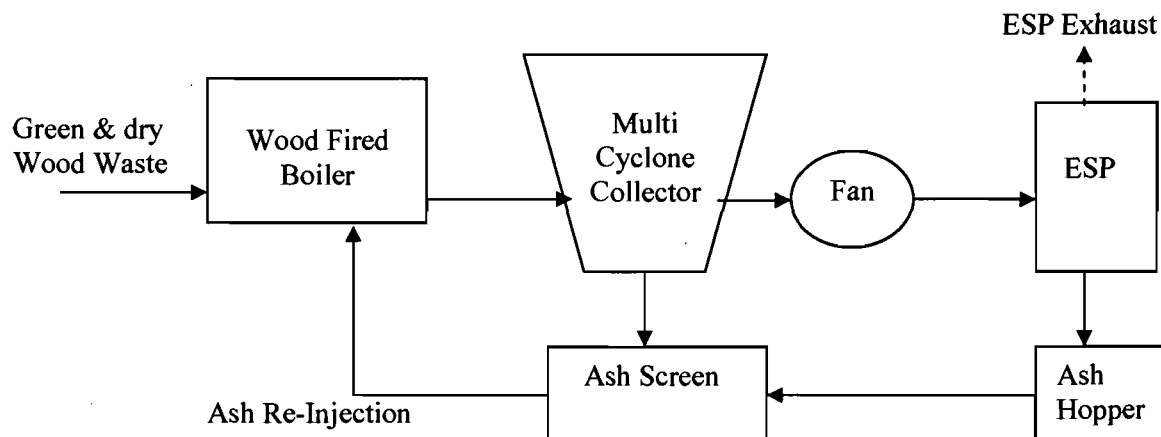
Airs ID = 1070015

Year = 2005

Order By = Owner/Company Name, Facility ID

Report Run Date: 10/17/2006

BOILER MACT HEALTH BASED COMPLIANCE ALTERNATIVE FOR TSM



INTRODUCTION

Georgia-Pacific Corporation Hawthorne Plywood Mill (AIRS ID: 1070015) consists of a wood waste-fired boiler that subject to 40 CFR 63, Subpart DDDDD, NESHAP for Industrial, Commercial, and Institutional Boilers and Process heaters.

The applicant is proposing to use the site-specific compliance demonstration option to demonstrate that the affected source is eligible for the health-based compliance alternative for TSM.

RISK ASSESSMENT

Emissions Unit Information

Table below provides the information of the boiler and emissions point.

Emissions Unit I.D.	Description	Maximum Rate Capacity (MMBtu/hr)	Permitted Fuel (s)
001	Wood Waste Boiler	224	Green & Dry Wood Waste, Up to 500lbs/week of glue waste, and propane for pilot burner.
Emissions Point I.D.	Description	Stack Location	Stack Parameters
001	ESP Outlet	UTM Coordinates Zone 17, 399.53 km East, 3273.82 km North	Stack Area = 2.54 m ² Vertical Exit Velocity = 13.8 m/s Stack Exit Temperature = 460.9 ° K Release Height = 24.99 m Stack Base Elevation = 40.12 m msl

Fuel Analysis

According to Section 8 (a) (3) of Appendix A, the applicant shall conduct fuel analysis on each fuel. The report shall include the collection and analytical methods used. The table below shows the results of the fuel analysis on the wood residuals.

Sample Name	Analyte	Analysis Method	Sample Result, mg/Kg (ppm)
FL 070-Fuel-080406-MACT	Manganese	SW-846-6010B	19.9
FL 070-Fuel-080706-MACT			17.1
FL 070-Fuel-080906-MACT			21.6

The permitted fuels for the unit are green & dry wood, 500 lbs/week of glue wastes and propane as pilot fuel. For this case, propane might not be needed. But it is my opinion that the glue waste shall be tested. Even though it is not clear in Subpart DDDDD about the purpose of fuel analysis, I believed that it is to determine which fuel or fuel mix is the worst operating conditions for the stack testing.

Also, it is important to know the exact location of the fuel being collected for the analysis. It is my understanding that GP Paper Mill has some sort of measure to reduce metals in the fuel prior to burning by installing a magnet on the fuel conveyor belt. I would ask the facility to provide description about their collection method and a diagram showing the location where the collection is being conducted. Even though how much metal reduction can be archived from the magnet is unclear, it is very possible that the result will be bias against the Department if the magnet is being removed in the future. I am not sure we can call that a control unit, but it is something that worthwhile to indicate in the permit.

The fuel samplings were conducted 3 days after the stack testing. However, the fuel quality during the tests is considered normal. Effect of the variability for the fuel is believed to be insignificant in the long run.

Worst-Case Operating Conditions

The applicant shall conduct the stack test during the worst case operating conditions. Table below shows the worst-case operating parameters for the boiler.

E.U. ID No.	Description	Operating Parameter	Specify "Maximum" or "Minimum"	Range During Test	Measurement Method
001	Wood Fired Boiler	Fuel type/mix	100 % wood residuals	100 % wood residuals	Observation
		Heat Input (MMBtu/hr)	Maximum 224	181.7-185.4	F Factor
		ESP Total Power, KW	Minimum 50	33-35	ESP power meter

The applicant did not conduct the stack test at the **Permitted Capacity**. The operating rate during the test is approximately 18% lower than the maximum rated capacity.

The ESP is operating at 33-35 KW during the test, which is lower than the minimum total power requirement.

It is also unclear if the glue waste has more Mn than the wood residuals. If it does, the applicant also did not conduct the test during the worst fuel mix condition.

Worst-case operating conditions means operation of an affected unit during emissions testing under the conditions that result in the highest HAP emissions or that result in the emissions stream composition (including HAP and non-HAP) that is most challenging for the control device if a control device is used. For example, worst-case conditions could include operation of an affected unit firing solid fuel likely to produce the most HAP.

Maximum HAP Emissions Rate

The unit has only one emissions point and the emissions point is tested for manganese to demonstrate the eligibility for the compliance alternative for TSM.

According to Section (4)(g) of Appendix A, the applicant shall determine the maximum hourly emission rate for each appropriate emission point according to Equation 1 as shown below. An appropriate emission point is any emission point emitting HCl, Cl₂, or Manganese from a subpart DDDDD emission unit.

$$E_{i,s} = \sum_{j=1}^t (R_{i,j} \times I_j) \quad (\text{Eq. 1})$$

Where:

E_{i,s} = maximum hourly emission rate for HAP i at each emission point s associated with a subpart DDDDD emission unit j, lbs/hr

i = applicable HAP, where i = (HCl, Cl₂, or Manganese) s = individual emission point

j = each subpart DDDDD emission unit associated with an emission point, s

t = total number of subpart DDDDD emission units associated with an emission point s

R_{i,j} = emission rate (the 3-run average as determined according to table 1 of this appendix or the pollutant concentration in the fuel samples analyzed according to Sec. 63.7521) for HAP i at subpart DDDDD emission unit j associated with emission point s, lb per million Btu.

I_j = Maximum rated heat input capacity of each subpart DDDDD unit j emitting HAP i associated with emission point s, million Btu per hour.

Since there is only one pollutant and one emissions point in this case, the equation can be simplified to:

$$E = R \text{ (lb/MMBtu)} \times \text{Permitted Maximum Heat Input Rate (MMBtu/hr)}$$

The highest emissions rate of Mn from the stack test is 0.000018 lb/MMBtu.

The applicant has proposed to make a few adjustments in the calculations as a conservative measure in estimation to accommodate some of the uncertainties in the assumptions made.

$$Mn = 0.000018 \text{ lb/MMBtu} \times 2 = 0.0000236 \text{ lb/MMBtu}$$

$$0.0000236 \text{ lb/MMBtu} \times 224 \text{ MMBtu/hr} = 0.0053 \text{ lb/hr}$$

$$0.0053 \text{ lb/hr} \times (0.1/0.001) \text{ lb/MMBtu} = 0.53 \text{ lb/hr} \text{ ??? I don't understand this step.}$$

Risk Assessment

MODEL SELECTION: The applicant chooses to use AERMOD model (version 04300) to estimate short and long term inhalation exposures. AERMOD modeling system is one of the preferred/recommended models listed in Appendix W to 40 CFR 51.

Results from air toxic modeling are highly dependent upon the quality of data used as input to the models. The applicant shall have reliable information about releases; meteorology and settings will determine the accuracy of the modeled concentrations.

ROUTES OF EXPOSURE: Potential routes of exposure include inhalation, ingestion and dermal absorption. The applicant is required to at least to evaluate the human inhalation exposure pathway.

CHARACTERISTIC OF THE ASSESSMENT AREA: The submitted aerials photograph shall be able to provide representative information about the assessment area. Characteristics that shall be observed include land use, terrain and urban vs. rural. This might affect the data input for the modeling software. Please check the assumptions made.

From the photograph, it appears that the area has a simple terrain. There is no significant hill or elevated terrain from the source that can affect the way air toxic will disperse.

The assessment area also appears to be rural. There are also a few lakes that cover significant amount of assessment area.

METEOROLOGY DATA: The uncertainties associated with the meteorology data include measurements of wind speed/direction and atmospheric stability, and to a lesser extend, temperature and precipitation. The applicant

Estimation of Exposure

The applicant has chosen to estimate the **Exposure Concentration (EC)** using **Ambient Air Concentration** approach. For this approach, the applicant uses the concentration of air toxics generated at each modeling node. The default assumption in such a screening assessment is that the population of interest is breathing air continuously around the clock at the modeled location.

The developed EC value should match the assumption build into the **Dose Respond Value** to characterize risk. For Manganese compounds, the Dose Response Value is 0.00005 mg/m^3 . Dose-Response Values are used in risk assessment to estimate the potential for adverse impacts resulting from exposures to a given concentration of HAP pollutant. For this case, the RFCs for Manganese compounds is 0.00005 mg/m^3 .

Reference Concentration (RfC) means an estimate (with uncertainty spanning perhaps an order of magnitude) of a continuous inhalation exposure to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime. It can be derived from various types of human or animal data, with uncertainty factors generally applied to reflect limitations of the data used.

Hazard Quotient (HQ) means the ratio of the predicted media concentration of a pollutant to the media concentration at which no adverse effects are expected. For inhalation exposures, the HQ is calculated as the air concentration divided by the RfC.

An HQ less than or equal to one indicates that adverse non-cancer effects are not likely to occur, and thus can be considered to have negligible hazard.

Hazard Index (HI) means the sum of more than one hazard quotient for multiple substances and/or multiple exposure pathways.

For this project, $HQ = HI$ since there is only one emissions point and one pollutant is being evaluated.

(b) Your facility is eligible for the TSM alternative compliance option if your site-specific compliance demonstration shows that the maximum HQ for manganese from your subpart DDDDD sources is less than or equal to 1.0.

Point of Maximum Modeled Concentration

This is the modeling node where the maximum modeled air concentration occurs, regardless there is a person there or not. This generally provides a conservative EC value that can be used in the screening level evaluation. This point can be used to provide an estimate of “high end” exposure, because although no one may be living there at the present, someone might move there in the future. This point may also refer to as the point of the “**Maximum Individual Risk (MIR)**”. The MIR can be used to estimate the inhalation exposure for the individual most exposed to the facility's emissions as required by Section 7 (c)(2) of Appendix A of 40 CFR 63, Subpart DDDDD.

Inhalation Toxicity Assessment

Potential Expose Population? Sensitive receptor (school, daycare, senior community, hospital)?

Please characterize the exposure population. Please indicate the sensitive subpopulation that will be affected.

CO STARTING

TITLEONE 2005 HAWTHORNE MILL, TSM ANALYSIS - AERMOD
TITLETWO GAINESVILLE/JACKSONVILLE MET DATA 2001-2005
MODELOPT DFAULT CONC

9/06/06

AVERTIME PERIOD

POLLUTID MN

RUNORNOT RUN

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION ESP POINT 399531.100 3273819.820 40.120

Stack base elevation

** Point Source Parameters **

** ER SH ST SV SD
** g/s m K m/s m

SRCPARAM ESP → 0.06678 24.99 460.9 13.8

worst case

BT
24.38-80

187.75°C = 369.95°F

1.8 = 5.9 ft
6.0 ft = 1.83 m

** Building Downwash **

BUILDHGT ESP	27.43	27.43	27.43	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	18.29	18.29	22.86	22.86
BUILDHGT ESP	22.86	22.86	22.86	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	27.43	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	18.29	18.29	22.86	22.86
BUILDHGT ESP	22.86	22.86	22.86	27.43	27.43	27.43

BUILDWID ESP	16.98	18.22	18.91	19.02	18.55	17.52
BUILDWID ESP	15.96	13.91	24.46	21.55	28.59	33.54
BUILDWID ESP	37.47	40.26	41.83	19.02	18.80	18.01
BUILDWID ESP	16.98	18.22	18.91	19.02	18.55	17.52
BUILDWID ESP	15.96	13.91	24.46	21.55	28.59	33.54
BUILDWID ESP	37.47	40.26	41.83	19.02	18.80	18.01

BUILDLEN ESP	9.15	11.91	14.30	16.26	17.73	18.66
BUILDLEN ESP	19.02	18.80	23.68	22.52	39.46	41.44
BUILDLEN ESP	42.17	41.62	39.80	15.96	13.91	11.44
BUILDLEN ESP	9.15	11.91	14.30	16.26	17.73	18.66
BUILDLEN ESP	19.02	18.80	23.68	22.52	39.46	41.44
BUILDLEN ESP	42.17	41.62	39.80	15.96	13.91	11.44

XBADJ ESP	-4.66	-6.89	-8.90	-10.64	-12.06	-13.12
XBADJ ESP	-13.77	-14.01	-32.81	-29.07	35.40	35.93
XBADJ ESP	35.36	33.72	31.06	-10.37	-8.57	-6.51
XBADJ ESP	-4.49	-5.02	-5.40	-5.62	-5.66	-5.54
XBADJ ESP	-5.24	-4.79	9.13	6.56	-74.85	-77.37
XBADJ ESP	-77.53	-75.34	-70.86	-5.59	-5.34	-4.93

YBADJ ESP	4.88	4.79	4.57	4.20	3.70	3.09
YBADJ ESP	2.39	1.62	-11.99	-15.36	-13.59	-3.81

YBADJ	ESP	6.09	15.80	25.03	-4.27	-4.61	-4.82
YBADJ	ESP	-4.88	-4.79	-4.57	-4.20	-3.70	-3.09
YBADJ	ESP	-2.39	-1.62	11.99	15.36	13.59	3.81
YBADJ	ESP	-6.09	-15.80	-25.03	4.27	4.61	4.82

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

** BEGIN OF RISK GRID RECEPTORS

** X Grid Origin = 399530.00

** Y Grid Origin = 3273820.00

** No. of Tiers = 2

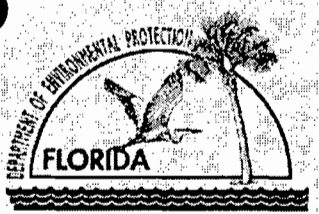
** Tier 1: Segment Distance = 2000.00

** Tier 1: Tier Spacing = 100.00

** Tier 2: Segment Distance = 4000.00

** Tier 2: Tier Spacing = 500.00

** -----



Department of Environmental Protection

JEB BUSH
Governor

Northeast District
7825 BAYMEADOWS WAY, SUITE B200
Jacksonville, Florida 32256-7590

COLLEEN CASTILLE
Secretary

PERMITTEE:

Georgia Pacific Corporation
223 Gordon Chapel Road
Hawthorne, Florida 32640

I.D. Number: 1070015
Permit/Cert Number: 1070015-010-AC
Date of Issue:
Expiration Date:
County: Putnam
Latitude/Longitude: 29° 35' 30" N; 82°02' 15" W
UTM: Zone 17, E. 399.6, N. 3273.8
Project: ESP Testing Project

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-210, 62-212, 62-204, 62-296, 62-297 and 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

PROJECT

This construction permit authorizes the facility to test emission unit 001 (wood waste boiler) while operating the Electro-Static Precipitator (ESP) with just two of the three ESP cells operational. The purpose of this testing is to establish CAM monitoring requirements.

The wood-fired Boiler provides steam for heating various process, is fueled by wood waste and glue waste from the plant's process. Besides the two multi-clone ash re-injection, the Electro-Static Precipitator is used primarily to control particular matter emissions. The emissions unit is subject to CAM monitoring requirements.

The Boiler shall be operated within the existing permitted limits.

Emissions Unit 001: Wood Waste Fired Boiler

OPERATING LOCATION

Located at 223 Gordon Chapel Road, Hawthorne, Putnam County, Florida.

RELEVANT DOCUMENTS

The documents listed below are the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department:

Application For Air Permit – received November 11, 2005.

PERMITTEE:

Georgia Pacific Corporation
223 Gordon Chapel Road
Hawthorne, Florida 32640

I.D. Number: 1070015
Permit/Cert Number: 1070015-010- AC
Date of Issue:
Expiration Date:
County: Putnam

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys not title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does no relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permitted to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

- a. Have access to and copy any record that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

PERMITTEE:

Georgia Pacific Corporation
223 Gordon Chapel Road
Hawthorne, Florida 32640

I.D. Number: 1070015
Permit/Cert Number: 1070015-010- AC
Date of Issue:
Expiration Date:
County: Putnam

GENERAL CONDITIONS:

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of non-compliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Compliance with New Source Performance Standards (NSPS)

PERMITTEE:
Georgia Pacific Corporation
223 Gordon Chapel Road
Hawthorne, Florida 32640

I.D. Number: 1070015
Permit/Cert Number: 1070015-010- AC
Date of Issue:
Expiration Date:
County: Putnam

GENERAL CONDITIONS:

14. The permittee shall comply with the following:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurement;
 - the dates analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

PERMITTEE:

Georgia Pacific Corporation
223 Gordon Chapel Road
Hawthorne, Florida 32640

I.D. Number: 1070015
Permit/Cert Number: 1070015-010- AC
Date of Issue:
Expiration Date:
County: Putnam

SPECIFIC CONDITIONS:

- 1. The I.D. No. and Project name for this source shall be used on all correspondence.
- 2. **Hours of Operation:** The hours of operation are restricted – 3,000 hours per year.
- 3. The facility shall conduct three (3) Particulate Matter tests using two cells of the Electro-Static Precipitator (ESP) under the following operational scenario:

Emission Unit	ESP Cells	Power (Watts)	PM (lb/MMBTU) ¹
001- Wood Waste Boiler	TR ₁ , TR ₂	PV ₁ + PV ₂	
	TR ₁ , TR ₃	PV ₁ + PV ₃	
	TR ₂ , TR ₃	PV ₂ + PV ₃	

- 1. The facility shall not exceed 0.10 lb/million BTU of Particulate Matter. Visible Emissions shall not exceed 30% opacity with the exception of 40% opacity for not more than 2 minutes in any one-hour.
- 11. At least 15 days prior to the date on which each formal compliance test is due to begin, the permittee shall provide written notification of the test to the air compliance section of this office. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and telephone number of the person conducting the test.
[Rule 62-297.310(7)(a)9., F.A.C.]
- 12. Reports of the required compliance tests shall be filed with the air compliance section of this office as soon as practical but no later than 45 days after the last test is completed.
[Rule 62-297.310(8)(b), F.A.C.]
- 14. Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operation at permitted capacity as defined below. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit.
[Rule 62-297.310(2)(b), F.A.C.]
- 15. Any revision(s) to a permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.

PERMITTEE:
Georgia Pacific Corporation
223 Gordon Chapel Road
Hawthorne, Florida 32640

I.D. Number: 1070015
Permit/Cert Number: 1070015-010- AC
Date of Issue:
Expiration Date:
County: Putnam

16. A completed **Application for Air Permit** with the compliance report is due 60 days prior to the expiration of this permit. To properly apply for an operation permit, the permittee shall submit the appropriate application form, and compliance test reports as required by this permit.
[Rules 62-4.055 and 62-4.220, F.A.C.]

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Christopher L. Kirts, P.E.
District Air Program Administrator



Department of Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Colleen M. Castille
Secretary

February 14, 2006

Mr. Leon Pinner
Plant Manager
Georgia Pacific Corp.
223 Gordon Chapel Road
Hawthorne, FL 32653

Dear Mr. Pinner:

Putnam County - AP
Georgia Pacific - Plywood Plant
Facility ID No. 1070015-010-AC
ESP Testing Project

This is in reference to your air pollution permit application for the above referenced project.

Florida Administrative Code (FAC) Section 62-103.150 and Florida Statute 403.815 require that you (the applicant) publish at your own expense, the enclosed NOTICE OF INTENT TO ISSUE CONSTRUCTION PERMIT.

The notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place.

The proof of publication, i.e. newspaper affidavit, shall be provided to the Department of Environmental Protection as soon as possible upon receipt of this letter. The processing of the application will be delayed until fourteen (14) days after this office has received the proof of publication. Failure to publish this Notice and to provide proof of publication may result in the denial of the permit.

If you have any questions, please contact Khalid Al-Nahdy, P.E., at (904) 807-3243.

Sincerely,

Christopher L. Kirts, P.E.
District Air Program Administrator

CLK: KAA

**STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
INTENT TO ISSUE**

In the Matter of an
Application for Permit by:

DEP File No.: 1070015-010-AC
County: Putnam- AP

Mr. Leon Pinner
Plant Manager
Georgia Pacific Corp.
223 Gordon Chapel Road
Hawthorne, FL 32653

INTENT TO ISSUE

The Department of Environmental Protection gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, Mr. Leon Pinner, Plant Manager – Georgia Pacific Plywood Plant applied to the Department for a construction permit to test the Wood Fired Boiler with two ESP cells. The facility is located at 223 Gordon Chapel Road, Hawthorne, Putnam County, Florida.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes (F.S.) and Sections 62-4.05 and 62-4.07, Florida Administrative Code (FAC). The project is not exempt from permitting procedures. The Department has determined that a construction permit is required for the proposed work.

The Department intends to issue the permit for the following reason(s):

The applicant has provided reasonable assurances that the proposed work will comply with all applicable department regulations.

Pursuant to Section 403.815, Florida Statutes and Rule 62-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. The applicant shall provide proof of publication to the Department, at the Northeast District Office, 7825 Baymeadows Way, Suite B200, Jacksonville, Florida 32256-7590 as soon as possible upon publishing. Failure to publish the notice and provide proof of publication may result in the denial of the permit.

The Department will issue the permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of "PUBLIC NOTICE OF INTENT TO ISSUE CONSTRUCTION PERMIT." Written comments should be provided to the Florida Department of Environmental Protection, Northeast District Office at 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7590. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 of the Florida Statutes before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of how and when petitioner received notice of the agency action or proposed action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply for variance from or waiver of the requirements of particular rules, on certain conditions, under section 120.542 of the Florida Statutes. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent. The application for a variance or waiver is made by filing petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner;
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and
- (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in section 120.542(2) of the Florida Statutes, and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner. Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Christopher L. Kirts, P.E.
District Air Program Administrator
Northeast District Office
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590
(904) 807-3300

**STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
PUBLIC NOTICE OF INTENT TO ISSUE CONSTRUCTION PERMIT**

The Department of Environmental Protection gives notice of its intent to issue a permit to Georgia Pacific Corp.-Plywood Plant, which has a mailing address of 223 Gordon Chapel Road, Hawthorne, Florida 32640. This project is for testing the Wood Fired Boiler using two ESP Cells. The facility will be located at 223 Gordon Chapel Road, Hawthorne, Putnam County, Florida. The Department has assigned file number 1070015-010-AC to this project.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of "PUBLIC NOTICE OF INTENT TO ISSUE CONSTRUCTION PERMIT." Written comments should be provided to the Florida Department of Environmental Protection, Northeast District Office at 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7590. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of how and when petitioner received notice of the agency action or proposed action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, Northeast District Office, 7825 Baymeadows Way, Suite B200, Jacksonville, Florida 32256-7590.

Events Scheduled

5 of 90

AIRS ID: 1070015 Site Name: GEORGIA-PACIFIC CORP. PLYWOOD PLANT
 Permit #: 1070015-010-AC Type/Subtype: AC / 1F Received: 11/21/2005
 Project #: 010 Project Name: (ESP PROJECT)

> Fee Verification: Exempt

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Fee Verification	11/21/2005	2	11/23/2005		Exempt	11/23/2005
Completeness Review	11/21/2005	30	12/21/2005		Complete	12/20/2005
Determine Agency Action	11/21/2005	90	02/19/2006		Issue	02/15/2006
Mail Public Notice of Intent to Applicant and Date of Publication	02/15/2006	10	02/25/2006		Done	02/15/2006
Awaiting Petition for Administrative Proceeding	02/15/2006	999	11/10/2008		Published	03/03/2006
Issue Final Permit	03/03/2006	14	03/17/2006		Not Received	03/20/2006
STOP CLOCK	03/20/2006	14	04/03/2006		Issued	03/21/2006
ISSUE PERMIT	03/21/2006	1	03/22/2006		Done	03/21/2006
ARMS Data Entry	03/21/2006	1	03/22/2006		Issued	03/21/2006
STOP CLOCK	03/21/2006	40	04/30/2006	-164	Pending	
STOP CLOCK	02/15/2006	1	02/16/2006		Done	02/15/2006

ATTACHMENT

COMPLIANCE REPORT AND PLAN

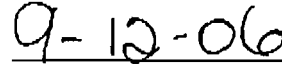
Georgia-Pacific Corporation (GP) certifies that the Hawthorne facility, as of the date of this application, is in compliance with each applicable requirement addressed in this Title V Air Operating revision application.

I, the undersigned, am the responsible official as defined in Chapter 62-213, F.A.C., of the Title V source for which this report is being submitted. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made and data contained in this report are true, accurate, and complete.

Compliance statements for this facility will be submitted on an annual basis to FDEP, before March 1st of each year.



Signature, Responsible Official



Date

EU ID	001	BOILER WOOD/BARK W/ ESP	ST	A
Type	<input checked="" type="checkbox"/>	SINGLE POINT SERVING A SINGLE EMISSIONS UNIT	Stack No	001
Identification				
Discharge Type				
Water Vapor %		OEP Height		Ft
Flow Rate	99100	acfm	Stack Height	80 Ft
Dry Std Flow		dscfm	Non Stack Ht	
				Ft
Exit Temperature			Exit Diameter	6.00 Ft
			Exit Velocity	58.0 Ft/Sec
UTM Zone	East		North	
			Latitude	
			Longitude	
DEP Comment	STK DIA ACTUAL 72.5 & 76.5 FT 1/90			

CO STARTING

TITLEONE 2004 HAWTHORNE MILL, TSM ANALYSIS - AERMOD
TITLETWO GAINESVILLE/JACKSONVILLE MET DATA 2001-2005
MODELOPT DFAULT CONC
AVERTIME PERIOD
POLLUTID MN
RUNORNOT RUN

9/06/06

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION ESP POINT 399531.100 3273819.820 40.120

** Point Source Parameters **

**	ER	SH	ST	SV	SD
**	g/s	m	K	m/s	m

**

SRCPARAM ESP	0.06678	24.99	460.9	13.8	1.8
--------------	---------	-------	-------	------	-----

** Building Downwash **

BUILDHGT ESP	27.43	27.43	27.43	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	18.29	18.29	22.86	22.86
BUILDHGT ESP	22.86	22.86	22.86	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	27.43	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	18.29	18.29	22.86	22.86
BUILDHGT ESP	22.86	22.86	22.86	27.43	27.43	27.43

BUILDWID ESP	16.98	18.22	18.91	19.02	18.55	17.52
BUILDWID ESP	15.96	13.91	24.46	21.55	28.59	33.54
BUILDWID ESP	37.47	40.26	41.83	19.02	18.80	18.01
BUILDWID ESP	16.98	18.22	18.91	19.02	18.55	17.52
BUILDWID ESP	15.96	13.91	24.46	21.55	28.59	33.54
BUILDWID ESP	37.47	40.26	41.83	19.02	18.80	18.01

BUILDLEN ESP	9.15	11.91	14.30	16.26	17.73	18.66
BUILDLEN ESP	19.02	18.80	23.68	22.52	39.46	41.44
BUILDLEN ESP	42.17	41.62	39.80	15.96	13.91	11.44
BUILDLEN ESP	9.15	11.91	14.30	16.26	17.73	18.66
BUILDLEN ESP	19.02	18.80	23.68	22.52	39.46	41.44
BUILDLEN ESP	42.17	41.62	39.80	15.96	13.91	11.44

XBADJ ESP	-4.66	-6.89	-8.90	-10.64	-12.06	-13.12
XBADJ ESP	-13.77	-14.01	-32.81	-29.07	35.40	35.93
XBADJ ESP	35.36	33.72	31.06	-10.37	-8.57	-6.51
XBADJ ESP	-4.49	-5.02	-5.40	-5.62	-5.66	-5.54
XBADJ ESP	-5.24	-4.79	9.13	6.56	-74.85	-77.37
XBADJ ESP	-77.53	-75.34	-70.86	-5.59	-5.34	-4.93

YBADJ ESP	4.88	4.79	4.57	4.20	3.70	3.09
YBADJ ESP	2.39	1.62	-11.99	-15.36	-13.59	-3.81

YBADJ	ESP	6.09	15.80	25.03	-4.27	-4.61	-4.82
YBADJ	ESP	-4.88	-4.79	-4.57	-4.20	-3.70	-3.09
YBADJ	ESP	-2.39	-1.62	11.99	15.36	13.59	3.81
YBADJ	ESP	-6.09	-15.80	-25.03	4.27	4.61	4.82

SRCGROUP ALL
SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

** BEGIN OF RISK GRID RECEPTORS

** X Grid Origin = 399530.00

** Y Grid Origin = 3273820.00

** No. of Tiers = 2

** Tier 1: Segment Distance = 2000.00

** Tier 1: Tier Spacing = 100.00

** Tier 2: Segment Distance = 4000.00

** Tier 2: Tier Spacing = 500.00

** -----

CO STARTING

TITLEONE 2003 HAWTHORNE MILL, TSM ANALYSIS - AERMOD
TITLETWO GAINESVILLE/JACKSONVILLE MET DATA 2001-2005
MODELOPT DFAULT CONC

9/06/06

AVERTIME PERIOD
POLLUTID MN
RUNORNOT RUN

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION ESP POINT 399531.100 3273819.820 40.120

** Point Source Parameters **

**	ER	SH	ST	SV	SD
**	g/s	m	K	m/s	m

**

SRCPARAM ESP	0.06678	24.99	460.9	13.8	1.8
--------------	---------	-------	-------	------	-----

** Building Downwash **

BUILDHGT ESP	27.43	27.43	27.43	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	18.29	18.29	22.86	22.86
BUILDHGT ESP	22.86	22.86	22.86	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	27.43	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	18.29	18.29	22.86	22.86
BUILDHGT ESP	22.86	22.86	22.86	27.43	27.43	27.43

BUILDWID ESP	16.98	18.22	18.91	19.02	18.55	17.52
BUILDWID ESP	15.96	13.91	24.46	21.55	28.59	33.54
BUILDWID ESP	37.47	40.26	41.83	19.02	18.80	18.01
BUILDWID ESP	16.98	18.22	18.91	19.02	18.55	17.52
BUILDWID ESP	15.96	13.91	24.46	21.55	28.59	33.54
BUILDWID ESP	37.47	40.26	41.83	19.02	18.80	18.01

BUILDLEN ESP	9.15	11.91	14.30	16.26	17.73	18.66
BUILDLEN ESP	19.02	18.80	23.68	22.52	39.46	41.44
BUILDLEN ESP	42.17	41.62	39.80	15.96	13.91	11.44
BUILDLEN ESP	9.15	11.91	14.30	16.26	17.73	18.66
BUILDLEN ESP	19.02	18.80	23.68	22.52	39.46	41.44
BUILDLEN ESP	42.17	41.62	39.80	15.96	13.91	11.44

XBADJ ESP	-4.66	-6.89	-8.90	-10.64	-12.06	-13.12
XBADJ ESP	-13.77	-14.01	-32.81	-29.07	35.40	35.93
XBADJ ESP	35.36	33.72	31.06	-10.37	-8.57	-6.51
XBADJ ESP	-4.49	-5.02	-5.40	-5.62	-5.66	-5.54
XBADJ ESP	-5.24	-4.79	9.13	6.56	-74.85	-77.37
XBADJ ESP	-77.53	-75.34	-70.86	-5.59	-5.34	-4.93

YBADJ ESP	4.88	4.79	4.57	4.20	3.70	3.09
YBADJ ESP	2.39	1.62	-11.99	-15.36	-13.59	-3.81

YBADJ	ESP	6.09	15.80	25.03	-4.27	-4.61	-4.82
YBADJ	ESP	-4.88	-4.79	-4.57	-4.20	-3.70	-3.09
YBADJ	ESP	-2.39	-1.62	11.99	15.36	13.59	3.81
YBADJ	ESP	-6.09	-15.80	-25.03	4.27	4.61	4.82

SRCGROUP ALL
SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

** BEGIN OF RISK GRID RECEPTORS

** X Grid Origin = 399530.00

** Y Grid Origin = 3273820.00

** No. of Tiers = 2

** Tier 1: Segment Distance = 2000.00

** Tier 1: Tier Spacing = 100.00

** Tier 2: Segment Distance = 4000.00

** Tier 2: Tier Spacing = 500.00

CO STARTING

TITLEONE 2002 HAWTHORNE MILL, TSM ANALYSIS - AERMOD
TITLETWO GAINESVILLE/JACKSONVILLE MET DATA 2001-2005
MODELOPT DFAULT CONC

9/06/06

AVERTIME PERIOD
POLLUTID MN
RUNORNOT RUN

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION ESP POINT 399531.100 3273819.820 40.120

** Point Source Parameters **

** ER SH ST SV SD
** g/s m K m/s m

**

SRCPARAM ESP 0.06678 24.99 460.9 13.8 1.8

** Building Downwash **

BUILDHGT ESP 27.43 27.43 27.43 27.43 27.43 27.43
BUILDHGT ESP 27.43 27.43 18.29 18.29 22.86 22.86
BUILDHGT ESP 22.86 22.86 22.86 27.43 27.43 27.43
BUILDHGT ESP 27.43 27.43 27.43 27.43 27.43 27.43
BUILDHGT ESP 27.43 27.43 18.29 18.29 22.86 22.86
BUILDHGT ESP 22.86 22.86 22.86 27.43 27.43 27.43

BUILDWID ESP 16.98 18.22 18.91 19.02 18.55 17.52
BUILDWID ESP 15.96 13.91 24.46 21.55 28.59 33.54
BUILDWID ESP 37.47 40.26 41.83 19.02 18.80 18.01
BUILDWID ESP 16.98 18.22 18.91 19.02 18.55 17.52
BUILDWID ESP 15.96 13.91 24.46 21.55 28.59 33.54
BUILDWID ESP 37.47 40.26 41.83 19.02 18.80 18.01

BUILDLEN ESP 9.15 11.91 14.30 16.26 17.73 18.66
BUILDLEN ESP 19.02 18.80 23.68 22.52 39.46 41.44
BUILDLEN ESP 42.17 41.62 39.80 15.96 13.91 11.44
BUILDLEN ESP 9.15 11.91 14.30 16.26 17.73 18.66
BUILDLEN ESP 19.02 18.80 23.68 22.52 39.46 41.44
BUILDLEN ESP 42.17 41.62 39.80 15.96 13.91 11.44

XBADJ ESP -4.66 -6.89 -8.90 -10.64 -12.06 -13.12
XBADJ ESP -13.77 -14.01 -32.81 -29.07 35.40 35.93
XBADJ ESP 35.36 33.72 31.06 -10.37 -8.57 -6.51
XBADJ ESP -4.49 -5.02 -5.40 -5.62 -5.66 -5.54
XBADJ ESP -5.24 -4.79 9.13 6.56 -74.85 -77.37
XBADJ ESP -77.53 -75.34 -70.86 -5.59 -5.34 -4.93

YBADJ ESP 4.88 4.79 4.57 4.20 3.70 3.09
YBADJ ESP 2.39 1.62 -11.99 -15.36 -13.59 -3.81

YBADJ	ESP	6.09	15.80	25.03	-4.27	-4.61	-4.82
YBADJ	ESP	-4.88	-4.79	-4.57	-4.20	-3.70	-3.09
YBADJ	ESP	-2.39	-1.62	11.99	15.36	13.59	3.81
YBADJ	ESP	-6.09	-15.80	-25.03	4.27	4.61	4.82

SRCGROUP ALL
SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

** BEGIN OF RISK GRID RECEPTORS

** X Grid Origin = 399530.00

** Y Grid Origin = 3273820.00

** No. of Tiers = 2

** Tier 1: Segment Distance = 2000.00

** Tier 1: Tier Spacing = 100.00

** Tier 2: Segment Distance = 4000.00

** Tier 2: Tier Spacing = 500.00

CO STARTING

TITLEONE 2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD
TITLETWO GAINESVILLE/JACKSONVILLE MET DATA 2001-2005
MODELOPT DFAULT CONC

9/06/06

AVERTIME PERIOD

POLLUTID MN

RUNORNOT RUN

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION ESP POINT 399531.100 3273819.820 40.120

** Point Source Parameters **

**	ER	SH	ST	SV	SD
**	g/s	m	K	m/s	m

**

SRCPARAM ESP	0.06678	24.99	460.9	13.8	1.8
--------------	---------	-------	-------	------	-----

** Building Downwash **

BUILDHGT ESP	27.43	27.43	27.43	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	18.29	18.29	22.86	22.86
BUILDHGT ESP	22.86	22.86	22.86	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	27.43	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	18.29	18.29	22.86	22.86
BUILDHGT ESP	22.86	22.86	22.86	27.43	27.43	27.43

BUILDWID ESP	16.98	18.22	18.91	19.02	18.55	17.52
BUILDWID ESP	15.96	13.91	24.46	21.55	28.59	33.54
BUILDWID ESP	37.47	40.26	41.83	19.02	18.80	18.01
BUILDWID ESP	16.98	18.22	18.91	19.02	18.55	17.52
BUILDWID ESP	15.96	13.91	24.46	21.55	28.59	33.54
BUILDWID ESP	37.47	40.26	41.83	19.02	18.80	18.01

BUILDLEN ESP	9.15	11.91	14.30	16.26	17.73	18.66
BUILDLEN ESP	19.02	18.80	23.68	22.52	39.46	41.44
BUILDLEN ESP	42.17	41.62	39.80	15.96	13.91	11.44
BUILDLEN ESP	9.15	11.91	14.30	16.26	17.73	18.66
BUILDLEN ESP	19.02	18.80	23.68	22.52	39.46	41.44
BUILDLEN ESP	42.17	41.62	39.80	15.96	13.91	11.44

XBADJ ESP	-4.66	-6.89	-8.90	-10.64	-12.06	-13.12
XBADJ ESP	-13.77	-14.01	-32.81	-29.07	35.40	35.93
XBADJ ESP	35.36	33.72	31.06	-10.37	-8.57	-6.51
XBADJ ESP	-4.49	-5.02	-5.40	-5.62	-5.66	-5.54
XBADJ ESP	-5.24	-4.79	9.13	6.56	-74.85	-77.37
XBADJ ESP	-77.53	-75.34	-70.86	-5.59	-5.34	-4.93

YBADJ ESP	4.88	4.79	4.57	4.20	3.70	3.09
YBADJ ESP	2.39	1.62	-11.99	-15.36	-13.59	-3.81

YBADJ	ESP	6.09	15.80	25.03	-4.27	-4.61	-4.82
YBADJ	ESP	-4.88	-4.79	-4.57	-4.20	-3.70	-3.09
YBADJ	ESP	-2.39	-1.62	11.99	15.36	13.59	3.81
YBADJ	ESP	-6.09	-15.80	-25.03	4.27	4.61	4.82

SRCGROUP ALL
SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

** BEGIN OF RISK GRID RECEPTORS

** X Grid Origin = 399530.00

** Y Grid Origin = 3273820.00

** No. of Tiers = 2

** Tier 1: Segment Distance = 2000.00

** Tier 1: Tier Spacing = 100.00

** Tier 2: Segment Distance = 4000.00

** Tier 2: Tier Spacing = 500.00

HAFLBMAC

AERBOB RELEASE 020304

AERMOD OUTPUT FILE NUMBER 1 :HAFLBMAC.001
 AERMOD OUTPUT FILE NUMBER 2 :HAFLBMAC.002
 AERMOD OUTPUT FILE NUMBER 3 :HAFLBMAC.003
 AERMOD OUTPUT FILE NUMBER 4 :HAFLBMAC.004
 AERMOD OUTPUT FILE NUMBER 5 :HAFLBMAC.005

First title for last output file is: 2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD
 9/06/06

Second title for last output file is: GAINESVILLE/JACKSONVILLE MET DATA 2001-2005

AVERAGING TIME	YEAR	CONC (ug/m3)	X (m)	Y (m)	PERIOD ENDING (YYMMDDHH)

SOURCE GROUP ID:	ALL				
Annual	2001	0.038	399738.	3273917.	01123124
	2002	0.031	399200.	3273697.	02123124
	2003	0.044	399738.	3273917.	03123124
	2004	0.044	399738.	3273917.	04123124
	2005	0.038	399738.	3273917.	05123124
All receptor computations reported with respect to a user-specified origin					
GRID	0.00	0.00			
DISCRETE	0.00	0.00			

40 CFR Part 63 Subpart DDDDD
Instructions for Checklist for *Site-Specific* Health-Based Eligibility Demonstration

This checklist may be used for help when reviewing an applicant's Site-Specific Health-Based Eligibility Demonstration. The following definitions apply:

Affected source –

- (1) The collection of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory located at a major source, and
- (2) Each new or reconstructed industrial, commercial, or institutional boiler or process heater located at a major source.

Appropriate emission point -

- (1) For determining eligibility for the compliance alternative for HCl, every emission point subject to subpart DDDDD that emits either HCl or Cl₂, and
- (2) For determining eligibility for the compliance alternative for TSM, every emission point subject to subpart DDDDD that emits manganese.

Hazard Index (HI) means the sum of more than one hazard quotient for multiple substances and/or multiple exposure pathways.

Hazard Quotient (HQ) means the ratio of the predicted media concentration of a pollutant to the media concentration at which no adverse effects are expected. For inhalation exposures, the HQ is calculated as the air concentration divided by the RfC.

Look-up table analysis means a risk screening analysis based on comparing the HAP or HAP-equivalent emission rate from the affected source to the appropriate maximum allowable HAP or HAP-equivalent emission rates specified in Tables 2 and 3 of Appendix A in 40 CFR 63 Subpart DDDDD.

Process heater means an enclosed device using controlled flame, that is not a boiler, and the unit's primary purpose is to transfer heat indirectly to a process material (liquid, gas, or solid) or to a heat transfer material for use in a process unit, instead of generating steam. Process heaters are devices in which the combustion gases do not directly come into contact with process materials. Process heaters do not include units used for comfort heat or space heat, food preparation for on-site consumption, or autoclaves.

Reference Concentration (RfC) means an estimate (with uncertainty spanning perhaps an order of magnitude) of a continuous inhalation exposure to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime. It can be derived from various types of human or animal data, with uncertainty factors generally applied to reflect limitations of the data used.

Worst-case operating conditions means operation of an affected unit during emissions testing under the conditions that result in the highest HAP emissions or that result in the emissions stream composition (including HAP and non-HAP) that is most challenging for the control device if a control device is used. For example, worst-case conditions could include operation of an affected unit firing solid fuel likely to produce the most HAP.

Checklist for Subpart DDDDD Site-Specific Health-Based Eligibility Demonstration

- 1. Identification of each appropriate emission point at the affected source facility, *Wood Wash Boiler - EX001*, including the maximum rated capacity of each appropriate emission point. *224 MM BTU/hr*
- 2. Stack parameters for each appropriate emission point including, but not limited to:
 - a. Emission release type *Continuous?*
 - b. Stack height *24.99 m = 82 ft (previously-stated stack ht: 80 ft)*
 - c. Stack area *2.54 m² = 27.33 ft²*
 - d. Stack gas temperature *460.9 °K = 187.75 °C = 369.95 °F*
 - e. Stack gas exit velocity *13.8 m/s*
 - f. Plot plan showing all emission points, nearby residences, and fenceline.
 - g. Identification of any control devices used to reduce emissions from each appropriate emission point
- 3. Emission test reports for each pollutant and appropriate emission point which has been tested using the test methods specified in Table 1 of Appendix A in 40 CFR 63 Subpart DDDDD, including
 - a. A description of the process parameters identified as worst case
 - b. Fuel analyses for each fuel and emission point which has been conducted including
 - 1. Collection methods used
 - 2. Analytical methods used
- 4. Identification of the RfC values used in site-specific compliance demonstration
- 5. Calculations used to determine the H₂O₂-equivalent or manganese emission rates according to sections 6(a) or (b) of Appendix A in 40 CFR 63 Subpart DDDDD
- 6. Identification of the controlling process factors including, but not limited to
 - a. fuel type
 - b. fuel mix (annual average)
 - c. maximum heat input rate
 - d. type of control devices
 - e. emission rate
 - f. other process parameters reflecting the emission rates used for the eligibility demonstration

that will become Federally-enforceable permit conditions used to show that the facility remains eligible for the health-based compliance alternatives.
- 7. Identification of the risk assessment methodology used
- 8. Documentation of the fate and transport model used
- 9. Documentation of the fate and transport model inputs, including the information described in items 1 through 5 above, converted to the dimensions required for the model and all of the following that apply:
 - a. meteorological data
 - b. building, land use, and terrain data
 - c. receptor locations and population data
 - d. other facility-specific parameters input into the model.
- 10. Documentation of the fate and transport model outputs
- 11. Documentation of any exposure assessment and risk characterization Calculations
- 12. Comparison of the HQ HI to the limit of 1.0 at locations where people live or congregate (e.g., schools, daycare centers, etc.)

Checklist for *Site-Specific Health-Based Eligibility Demonstration* (cont'd)

How must the applicant determine HAP emissions?

____(a) Conduct HAP emissions tests or fuel analysis for every emission point covered under subpart DDDDD within the affected source facility according to the requirements in paragraphs (b) through (f) of this section and the methods specified in Table 1 of Appendix A in 40 CFR 63 Subpart DDDDD.

____(1) If attempting to determine eligibility for the compliance alternative for HCl, must test the subpart DDDDD units at the facility for both HCl and Cl₂. When conducting fuel analysis, must assume any chlorine detected will be emitted as Cl₂.

____(2) If attempting to determine eligibility for the compliance alternative for TSM, must test the subpart DDDDD units at the facility for manganese.

____(b) *Periods when emissions tests must be conducted.*

____(1) Must not conduct emissions tests during periods of startup, shutdown, or malfunction, as specified in 40 CFR Sec. 63.7(e)(1).

____(2) Must test under worst-case operating conditions as defined in this appendix. Must describe the worst-case operating conditions in the performance test report for the process and control systems (if applicable) and explain why the conditions are worst-case.

____(c) *Number of test runs.* Must conduct three separate test runs for each test required in this section, as specified in 40 CFR Sec. 63.7(e)(3). Each test run must last at least 1 hour.

____(d) *Sampling locations.* Sampling sites must be located at the outlet of the control device and prior to any releases to the atmosphere.

____(e) *Collection of monitoring data for HAP control devices.* During the emissions test, must collect operating parameter monitoring system data at least every 15 minutes during the entire emissions test and establish the site-specific operating requirements in Tables 3 or 4, as appropriate, of subpart DDDDD using data from the monitoring system and the procedures specified in Sec. 63.7530 of subpart DDDDD.

____(f) *Nondetect data.* May treat emissions of an individual HAP as zero if all of the test runs result in a nondetect measurement and the condition in item (f)(1) below is met for the manganese test method. Otherwise, nondetect data for individual HAP must be treated as one-half of the method detection limit.

(1) For manganese measured using Method 29 in appendix A to 40 CFR part 60, analyze samples using atomic absorption spectroscopy (AAS).

____(g) Must determine the maximum hourly emission rate for each appropriate emission point according to Equation 1 below. An appropriate emission point is any emission point emitting HCl, Cl₂, or Manganese from a subpart DDDDD emission unit.

$$E_{i,s} = \sum_{j=1}^t (R_{i,j} \times I_j) \quad (\text{Eq. 1})$$

Where:

E_{i,s} = maximum hourly emission rate for HAP i at each emission point s associated with a subpart DDDDD emission unit j, lbs/hr

i = applicable HAP, where i = (HCl, Cl₂, or Manganese)

s = individual emission point

j = each subpart DDDDD emission unit associated with an emission point, s

t = total number of subpart DDDDD emission units associated with an emission point s

R_{i,j} = emission rate (the 3-run average as determined according to table 1 of this appendix or the pollutant concentration in the fuel samples analyzed according to Sec. 63.7521) for HAP i at subpart DDDDD emission unit j associated with emission point s, lb per million Btu.

I_j = Maximum rated heat input capacity of each subpart DDDDD unit j emitting HAP i associated with emission point s, million Btu per hour.



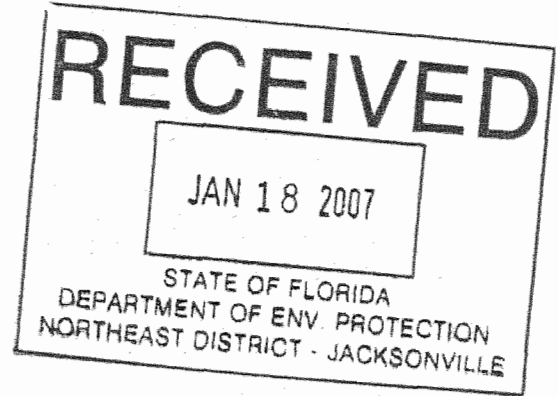
Georgia-Pacific

Georgia-Pacific Corporation
Structural Panels

223 Gordon Chapel Road
Hawthorne, FL 32640
(352) 481-4311
(352) 481-4915 fax

January 17, 2007

Mr. Chris Kirts
District Air Program Administrator
Florida Department of Environmental Protection
Northeast District
7825 Baymeadows Way, Suite 8200
Jacksonville, FL 32256-8590



Dear Mr. Kirts:

RE: Georgia Pacific Wood Products LLC- Hawthorne Plywood Plant
AIRS ID Number 1070015 Project No. 012-AV
Boiler MACT HBCA submittal
Request for Additional Information: 10/20/06

Georgia Pacific Hawthorne Plywood Plant appreciates your prompt attention to our submission of its application for a Health Based Compliance Alternative (HBCA) exemption for manganese under 40 CFR Part 63 Subpart DDDDD (or the Boiler MACT). This letter responds to your Request for Additional Information (RAI) dated October 20, 2006.

As an initial issue, in preparation of the response to this RAI Georgia-Pacific reviewed the calculations in the *Health-Based Compliance Alternative Demonstration for the GP Hawthorne Plywood Plant in Hawthorne, FL*. During this review we discovered an error in the property boundary shown in Figures 2-1, 5-3, and A-1 HBCA demonstration report. The report was revised using the corrected property boundary and is attached to this letter along with a disk containing the revised modeling input and output data.

Each of the points in your October 20 letter is addressed in the following paragraphs.

Request 1 – *Provide a description of the fuel sampling point and the location of any magnets that may be in the system and explanation of its affect on manganese.*

Response: The fuel sampling was done according to the Plant's *Site-Specific Fuel Sampling and Analysis Plan*. Figure 1 in that Plan is attached (see Attachment 2). Please note that magnets are not used in the process, however, manganese is a non-ferrous element and would not be attracted by a magnet.

Request 2 – *Confirm that the ESP exhaust point is the only emission point and that there are no emissions from the ESP ash hopper, ash screen and multi-clone collector.*

Response: Ash is removed from the electrostatic precipitator (ESP) by means of a rotary valve that is designed to prevent gases from the ESP escaping to the atmosphere. The ash screen (boiler grates) are internal to the boiler and thus there are no emissions to the atmosphere. Ash from the multi-clone collectors is directly re-injected into the boiler through a closed system and therefore there are no emissions from this system as well.

Request 3 – *Provide reasoning for multiplying the emission rate of 0.0053 lb/hr by the ratio of the allowable PM emission rate to the measured emission rate.*

Response: Because manganese is attached to particulate matter (PM) emitted from the boiler, it is reasonable to expect that the manganese emission rate will be linear with the PM emission rate. During the stack test to determine the worst case manganese emission rate, however, it was not possible to set up the boiler to operate at the allowable PM limit. Even with control equipment set at the low end of their normal or allowable (CAM) operating range there is no guarantee that the emissions will be near the permitted allowable level. Therefore, The Hawthorne Plywood Plant mathematically adjusted the measured emission rate (at the rated boiler capacity) by the ratio of the allowable to measured PM rate to scale up the manganese emissions to a level that would be expected at the allowable PM rate thereby simulating a true worst case operating scenario.

Request 4 – *Provide aerial photograph indicating the sensitive receptors (for example, school, daycare, senior center, hospital).*

Response: The data in Table 6.1 from the attached modeling demonstration, *Health-Based Compliance Alternative Demonstration for the GP Hawthorne Plywood Plant in Hawthorne, FL*, show the UTM location of the maximum modeled manganese concentration for calendar years 2001 through 2005 to be on the property boundary. Georgia Pacific thereby demonstrated that it met the risk criteria of 0.05 micrograms per cubic meter for potential manganese emissions inside its property boundary. Consequently, since it was not necessary to consider the manganese concentrations at any off-site receptors such as schools, daycares, senior centers, or hospitals, we are not obligated to show these sensitive receptors in Figure 5-1.

Request 5 – *Please describe how the Hazard Index (HI) was estimated from year 2001 to 2005 in Table 6-1.*

Response: Georgia-Pacific has determined that the calculation of the HI in Table 6-1 of the originally-submitted *Health-Based Compliance Alternative Demonstration for the GP Hawthorne Plywood Plant in Hawthorne, FL*, was incorrect. This error has been corrected in the revised HBCA demonstration report in Attachment 1 to this letter.

Request 6 – *Estimate the inhalation exposure for the most exposed individual.*

Response: Because Georgia-Pacific was able to demonstrate that it met the health-based criteria for manganese exposure inside its property boundary, it does not believe that estimating exposure for the most exposed (off-site) individual is required by Subpart DDDDD. See our response to #4 above.

Request 7 – *The applicant proposed an emissions limit of 0.53 lb/hr. Please realize that testing may be required to demonstrate compliance with the short-term manganese emission limit of 0.53 lb/hr.*

Response: The requested emission limit of 0.53 lb/hr, was qualified as an annual average, not a short-term average (see Section 7.0 in the *Modeling Report for HBCA Demonstration*). Table 7-1, last column, clarified that the value was an annual average. The Modeling report and the application have been modified to request an annual limit for Manganese (2.32 ton/year) instead of presenting it as an “hourly limit based on an annual average”.

- The calculated emission limit from the emission test was used only to determine the Maximum Annual Average Manganese Concentration shown in Table 6.1 of the *Modeling Report*.
- For multi-fuel boilers, EPA specifies that the fuel mix supporting the HBCA demonstration is calculated as an annual average (Section 8(d) of Appendix A to Subpart DDDDD).

The Hawthorne Plant applied two layers of conservatism into the development of the worst case operating scenario that supports this proposed emission limit of 0.53 lb/hr (2.32 ton/yr). First, we assumed an emission level at the maximum operating rate of the boiler (although it is rarely operated at that level) and also assumed that the emissions occurred at the allowable PM emission rate of the boiler (which never occurs). With this built-in conservatism, we do not expect that the emission rate of 0.053 lb/hr would ever be exceeded. The Hawthorne Plywood Plant proposes to monitor the following parameters (consistent with Response #3 above) to demonstrate compliance with the proposed manganese emission limit:

- Comply with the current PM permit limit of 0.10 lb/MM BTU by passing an annual stack test.

- Do not exceed the boiler design rate of 224 MM BTU per hour on an annual average basis.

Request 8 – Explain the difference in stack height documented in 1994 as 80 feet and the HBCA application as 82 feet. Describe how stack height is being measured or estimated.

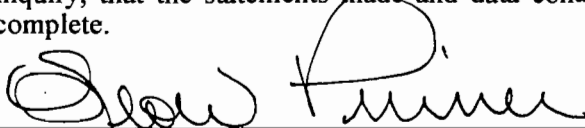
Response: 80' was the original design height of the stack and that value was used through the years in reports. The plant Environmental Coordinator, Sam Barket, measured the stack height and determined it was actually 82'.

The Responsible Official certification and the Professional Engineer certification are on the attached DEP Form No. 62-210.900(1). We have also provided an updated Delegation of Authority Letter from our management.

If you have any further questions, please contact Sam Barket at (352) 481-0433.

RESPONSIBLE OFFICIAL CERTIFICATION

I, the undersigned, am the responsible official (Title V air permit application or responsible official notification form on file with the Department) of the Title V source for which this document is being submitted. With respect to all matters other than Acid Rain program requirements, I hereby certify, based on the information and belief formed after reasonable inquiry, that the statements made and data contained in this document are true, accurate, and complete.



(Signature of Title V Source Responsible Official)

1-17-07
(Date)

Name: Leon Pinner

Title: Plant Manager

Attachments:

1. Health-Based Compliance Alternative Demonstration for the GP Hawthorne Plywood Plant in Hawthorne, FL Revised January 17, 2007
2. Figure 1 Fuel System – Hawthorne Plywood Facility
3. Disk containing the revised modeling input and output data
4. Delegation of Authority Letter from Georgia-Pacific Management
5. DEP Form No. 62-210.900(1): RO & Professional Engineer certification

ATTACHMENT 1

Health-Based Compliance Alternative Demonstration for the GP Hawthorne Plywood Plant in Hawthorne, FL Revised January 17, 2007

1.0 INTRODUCTION

Georgia-Pacific owns and operates a plywood manufacturing facility located in Hawthorne, FL that is subject to 40 CFR Part 63, Subpart DDDDD National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (Boiler MACT). This report, entitled "Health-based Compliance Alternative Demonstration for the GP Hawthorne Plywood Manufacturing Facility in Hawthorne, FL", supports the determination that this facility meets the requirements established in Appendix A to Subpart DDDDD—Methodology and Criteria for Demonstrating Eligibility for the Health-Based Compliance Alternatives.

This report addresses the Health Based Compliance Alternative (HBCA) for

Manganese for the Total Selected Metals (TSM) HBCA

This report follows the standard risk assessment format tailored to the site-specific assessment approach. The following sections include the following information:

- Section 2: General Description of the Facility and Surroundings
- Section 3: Worst-Case HAP Emissions
- Section 4: HAP Dose-Response Factors
- Section 5: Site-Specific Exposure Assessment Procedures
- Section 6: Health Based Compliance Alternative Low Risk Demonstration
- Section 7: Title V Permit Parameters

For ease of reference, the required elements for the low-risk demonstration (specified in Section 8 of Appendix A of the regulation) are cross-referenced in Table 1-1.

The complete emissions test reports are attached.

Table 1-1. Cross-Reference of Demonstration Requirements

Section 8 Appendix A, Subpart DDDDD 40 CFR Part 63

Requirement	Report Section Number
(a) (1)	2.1
(a) (2) (i)	2.2
(a) (2) (ii)	2.2
(a) (2) (iii)	2.1
(a) (2) (iv)	2.1
(a) (3)	3.1
(a) (4)	4
(a) (5)	3.2
(a) (6)	3.3
(c) (1)	5.1
(c) (2)	5.2
(c) (3)	5.3
(c) (4)	Appendix C
(c) (5)	6.0
(c) (6)	6.0
(d) (6)	7.0

2.0 GENERAL DESCRIPTION OF THE FACILITY AND SURROUNDINGS

2.1 General Facility Information

Georgia-Pacific owns and operates a plywood manufacturing facility located in Hawthorne, FL that is subject to Subpart DDDDD of 40 CFR Part 63 National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (BOILER MACT). The company has demonstrated that the facility meets the requirements of the Health Based Compliance Alternative (HBCA) demonstration for TSM.

Table 2-1 lists all of the boiler and process heaters at this facility that are subject to the Boiler MACT.

Table 2-1 Affected Boiler or Process Heaters Addressed in the HBCA Demonstration

Boiler or Process Heater Emission Point ID	Description	Maximum Rated Capacity (MMBtu/hr)	Fuel(s)	Control Device
001	Wood Waste Boiler	224	Wood Residuals	ESP

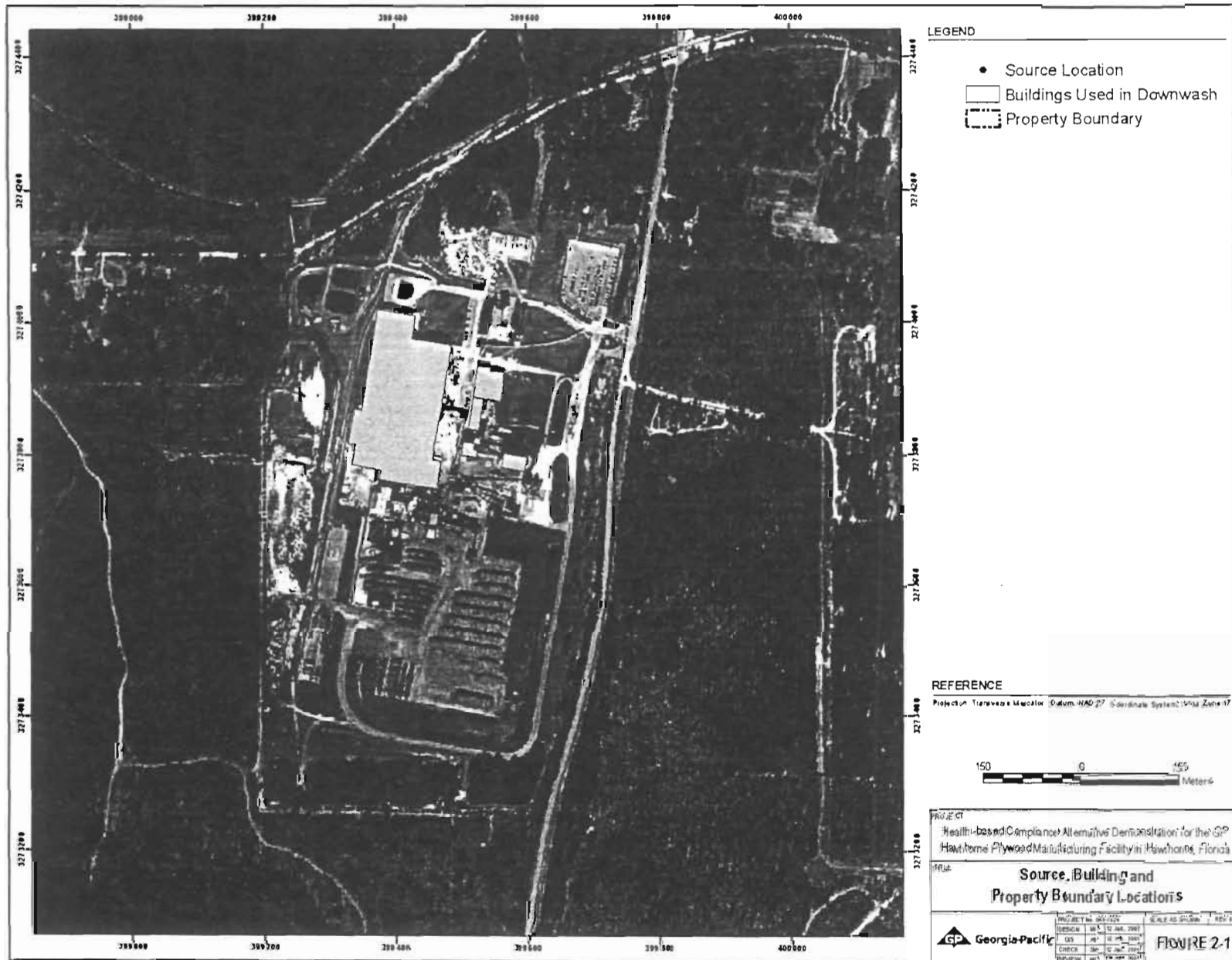
2.2 Boiler or Process Heater Characterization

Table 2-2 provides the stack parameters for each boiler or process heater.

Table 2-2 Boiler or Process Heater Model Input Parameters

Boiler or Process Heater Emission Point ID	Stack area, m ²	Vertical Exit Velocity (m/sec)	Stack Gas Temperature (°K)	Release Height (m)	Stack Base Elevation (m msl)	UTM Zone: 17 NAD 1927 Coordinates east, north (m)
001	2.54	13.8	460.9	24.99	40.12	399531.10, 3273819.82

Figure 2-1 is a scale drawing showing the plot plan for the facility, including location of the emission points for each Boiler MACT boiler or process heater and the property boundary of the facility. The property line on the photo has been edited from the September 2006 submittal to reflect the corrected property boundary in the northeast corner.



3.0 WORST-CASE HAP EMISSIONS

3.1 Applicable Health Based Compliance Alternatives and Target HAPs

Stack test reports are attached for each boiler or process heater depending on the emissions estimation method selected below.

- Total Selected Metals (TSM) HBCA
 - Emissions based on stack tests for Mn for the following boilers and process heaters:
 - 001 (ESP Exhaust)

The attached test report(s) include(s) the following information for each boiler or process heater:

- worst-case process parameters
- calculated parameters
- estimation methods used, along with inputs and outputs and references
- Worst case emissions rate calculations.

3.2 Worst-Case HAP Emissions for Boilers and Process Heaters

Table 3-1 Worst-Case HAP Emissions for TSM HBCA

Boiler Or Process Heater ID	Emission Estimation Method	Mn		
		(g/s)	(lb/hr)	(ton/yr)
	(Fuel, Stack or proposed permit)			
001 (ESP)	S	0.06678	0.53	2.32
Total		0.06678	0.53	2.32

3.3 Controlling Process Factors

Factors that result in the worst-case emissions from each boiler or process heater are provided below. A complete discussion of these controlling factors is included in the attached test reports.

Table 3-2 Controlling Factors for Each Boiler or Process Heater for the TSM HBCA

Boiler or Process Heater	Rated Heat Input	Heat Input for Wood Residuals	Heat Input for Natural Gas	Heat Input for Fuel 3	Control Device/ Settings
	MMBtu/hr	(MMBtu/hr)	(MMBtu/hr)	(MMBtu/hr)	Max or Min (units)
Wood Waste Boiler	224	224	NA	NA	ESP Total Power Minimum 50 (Kw)

*FDEP is currently reviewing a request to reduce the minimum ESP total power CAM value to 30 Kw

4.0 HAP DOSE-RESPONSE FACTORS

In accordance with subpart DDDDD Appendix A, Section 7, this site-specific compliance demonstration estimates long-term inhalation exposures of Mn. The corresponding chronic dose-response value of 0.05 ug/m³, which is used in this HBCA demonstration, was adopted from *Table 1 Prioritized Dose-Response Values* published by U.S. EPA OAQPS at the following internet address:
<http://www.epa.gov/ttn/atw/toxsource/summary.html>

5.0 SITE-SPECIFIC EXPOSURE ASSESSMENT PROCEDURES

5.1 Risk Assessment Methodology

This section documents the air quality dispersion modeling analysis to support the site-specific inhalation risk assessment for the low-risk demonstration in accordance with Appendix A of Subpart DDDDD. The risk assessment and dispersion analysis methods follow the procedures established by the *Air Toxics Risk Assessment Reference Library, Volume 2: Facility-Specific Assessment* and U.S. EPA's *Guideline on Air Quality Models (Appendix W to 40 CFR Part 51)*.

5.2 Model Selection

The selection of a dispersion model to estimate short- and long-term off-site exposure takes into consideration the physical geometry of the source, the local dispersion environment and terrain characteristics. These factors, which formulate the basis for choosing the AERMOD model (Version 04300) recommended in the U.S. EPA modeling guidelines, are discussed in detail below.

5.3 Building Wake Effects

The U.S. EPA modeling guidelines require the evaluation of the potential for physical structures to affect the dispersion of emissions from stack sources. The exhaust from stacks that are located within specified distances of buildings, and whose physical heights are below specified levels, may be subject to "aerodynamic building downwash" under certain meteorological conditions. This determination is made by comparison to the Good Engineering Practice (GEP) stack height.

Table 5-1 indicates the process unit stacks that are less than GEP height and, therefore, subject to aerodynamic downwash. For these process units U.S. EPA's Building Profile Input Program for PRIME (BPIPFRM) Version 04274 was used to develop wind direction-specific building dimensions for input to AERMOD. The output of the BPIPFRM analysis is provided in Appendix A.

Table 5-1 Process Unit Stacks and Good Engineering Practice Formula Height

Boiler or Process Heater Emission Point ID	Height (m)	GEP Formula Height (m)
001 (ESP)	24.99	55.4

Table 5-2 shows a summary of building dimensions.

Table 5-2 Building Dimensions

Building/Structure	Height (m)	Length (m)	Width (m)	Maximum Projected Width (m)
ESP_BLDG	27.4	9	17	19
FUEL_HS	22.9	22	36	42
BOILER	18.3	21	22	30
PLYWD_PL	12.8	254	142	291
MAINT	6.7	48	16	51
BLD_6	6.7	48	43	64

^a Building locations are presented in Figure A-1 of Appendix A

5.4 Meteorological Data

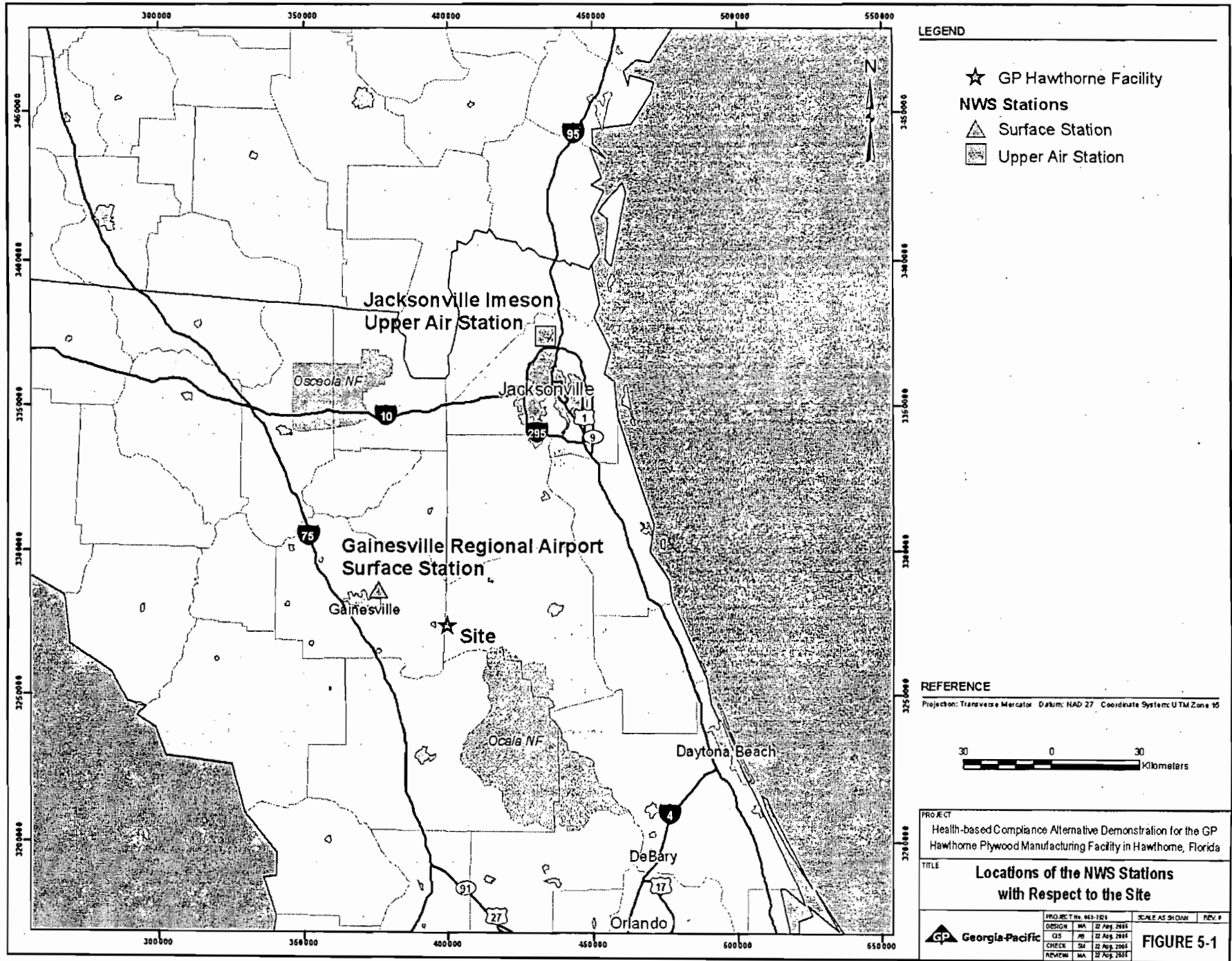
Site-specific dispersion models require a sequential hourly record of dispersion meteorology representative of the region within which the modeled sources are located. In the absence of site-specific measurements, the U.S. EPA Guidelines recommend the use of readily available data from the closest and most representative National Weather Service (NWS) stations. For this analysis a five-year sequential meteorological data set was used consisting of surface observations at the NWS station in Gainesville, FL and concurrent mixing heights from the NWS station in Jacksonville, FL for 2001 through 2005 (see Figure 5-1). The Gainesville, FL anemometer height was 33 feet.

The NWS data were processed into a format that can be input to the AERMOD model using the meteorological preprocessor program AERMET. The data were processed using the Lakes Environmental graphical interface using the latest version of AERMET (04300). The hourly surface data from 2001 through 2005 were obtained from the Florida Department of Environmental Protection (FDEP) in the Solar and Meteorological Observation Network (SAMSON) format. Upper air sounding data were obtained in the Forecast Systems Lab (FSL) format from the FDEP.

A unique feature of the AERMOD model, but implemented in AERMET, is its incorporation of land use parameters for the processing of boundary layer parameters used for the dispersion calculations in AERMOD. Based on the most recent regulatory guidance, the land use parameters should be representative of the data measurement site (i.e., Gainesville Regional Airport). Land use data, representing the average surface roughness, albedo, and Bowen ratio that exist within a 3-km radius of Norfolk were extracted from 1-degree land use files from the US Geographical Survey (USGS) using the AERSURFACE program. AERSURFACE currently extracts land use data in 12 wind direction sectors covering 360 degrees as shown in Table 5-3. The land use values for each wind direction sector were input into Stage 3 of the AERMET preprocessor program to create the surface and profile meteorological files that AERMOD requires. See Figure 5-2 for the 5-year wind rose.

Table 5-3 Summary of Land Use Parameters

	<u>Albedo</u>	<u>Bowen</u>	<u>Z0</u>
000 to 030	0.15	1.17	0.8044
030 to 060	0.15	1.05	0.7636
060 to 090	0.14	0.76	0.7807
090 to 120	0.23	0.84	0.3825
120 to 150	0.15	0.93	0.6770
150 to 180	0.13	0.96	0.7108
180 to 210	0.12	1.04	0.8212
210 to 240	0.16	1.19	0.7151
240 to 270	0.16	1.07	0.7347
270 to 300	0.14	1.09	0.8641
300 to 330	0.12	0.93	0.9275
330 to 360	0.13	1.03	0.8521



WIND ROSE PLOT:

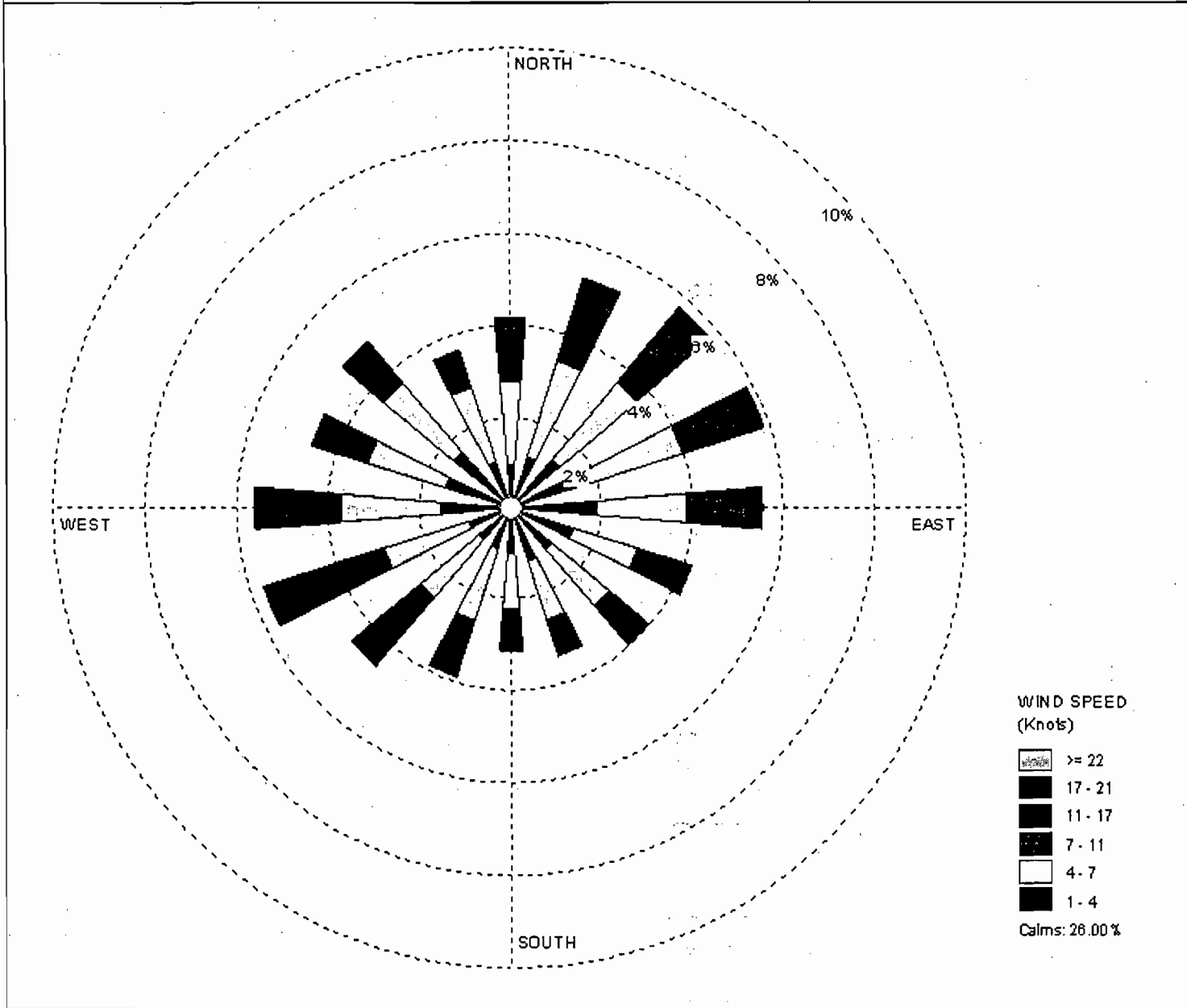
Station #12816 - GAINESVILLE MUNICIPAL AIRPORT, FL

DISPLAY:

Wind Speed
Direction (blowing from)

COMMENTS:

Figure 5-2. 5-Year Wind Rose



DATA PERIOD:

2001 2002 2003 2004 2005
Jan 1 - Dec 31
00:00 - 23:00

TOTAL COUNT:	CALM WINDS:
43583 hrs.	26.00%

AVG. WIND SPEED:
4.97 Knots

COMPANY NAME:
Georgia-Pacific Hawthorne Mill

MODELER:

DATE:
8/22/2006

PROJECT NO.:

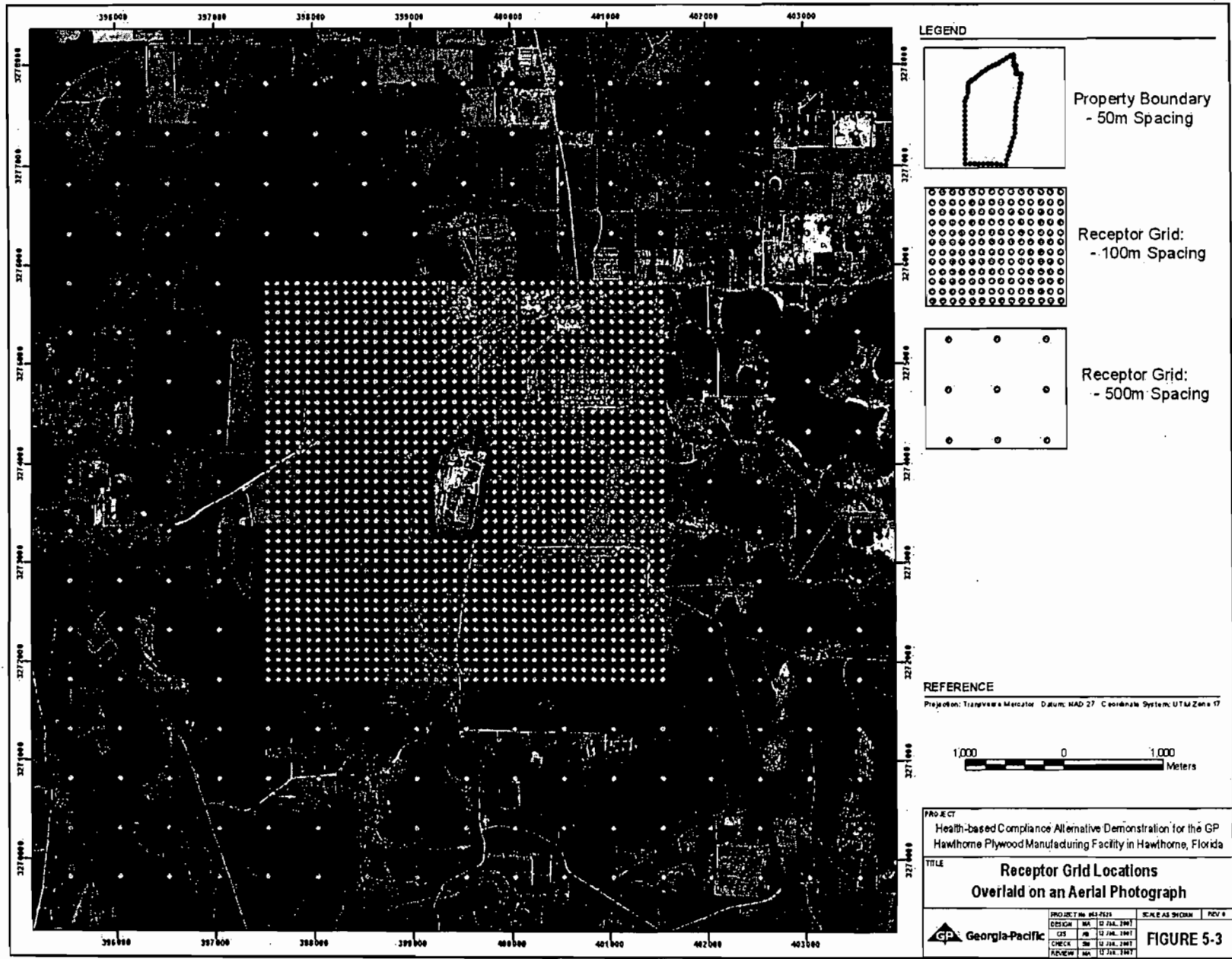
5.5 Model Receptor Grid

A square Cartesian receptor grid was developed for use in the modeling, supplemented with property boundary receptors every 50 m. Receptors were placed at 100 m spacing within 2 km and 500 m spacing between 2 and 4 km. This receptor grid represents all areas within 4 km of the facility where people could live or congregate.

AERMOD requires each receptor to identify a "height scale" which is defined as the height of a nearby controlling hill. The controlling hill heights and receptor elevations will be generated from Digital Elevation Model (DEM) data, acquired from USGS using the AERMAP terrain processor (Version 04300).

Figure 5-3 shows the receptor locations overlaid on an aerial photograph. The property line on the figure has been edited from the September 2006 submittal to reflect the corrected property boundary in the north-east corner.

Best Available Copy



5.6 Model Switches

The AERMOD model was applied in EPA's regulatory default mode which includes the model switches listed in Table 5-4. Appendix B includes a listing of model input, including all source parameters, receptor locations and associated terrain heights. Model output is provided in electronic format in Appendix C.

Table 5-4 Regulatory Default Model Switches

- Stack-tip downwash
- Buoyancy-induced dispersion
- Final plume rise
- Calms processing routines
- Default wind profile exponents
- Default vertical potential temperature gradients

5.7 Dispersion Modeling

Each process unit stack was modeled using the worst-case emission rate as shown in Table 3-1 for Mn.

To evaluate long-term non-carcinogenic impacts the AERMOD model was run for each of the five years of meteorological data and the predicted annual average concentrations for each year were evaluated. These results were used to determine the maximum annual Mn concentration at any receptor over the 5-year period.

6.0 HEALTH BASED COMPLIANCE ALTERNATIVE LOW RISK DEMONSTRATION

The results of the dispersion modeling for Mn, are provided in Table 6-1. Hazard Indices are computed by dividing the modeled concentration by the respective Reference Concentrations. Table 6-1 indicates that the TSM HBCA risk requirement is achieved.

Table 6-1 Site-Specific Risk Characterization at Offsite Locations

HBCA	Modeled HAP	Year	Location of Maximum Concentration UTM(m)	Maximum Annual Average Concentration ($\mu\text{g}/\text{m}^3$)	Annual RfC ($\mu\text{g}/\text{m}^3$)	Hazard Index *1
TSM	Mn	2001	399738 E 3273917 N	Subm 9/06 0.038 0.037	0.05	0.38 0.74
TSM	Mn	2002	399200 E 3273697 N	0.031	0.05	0.4 0.62
TSM	Mn	2003	399738 E 3273917 N	Subm 9/06 0.044 .043	0.05	0.42 0.86
TSM	Mn	2004	399738 E 3273917 N	0.044	0.05	0.38 0.88
TSM	Mn	2005	399738 E 3273917 N	0.038	0.05	0.36 0.76

*1. The numbers that are striked through reflect the values that were incorrect in the original submittal dated September 2006.

7.0 Title V Permit Parameters

To be eligible for either health-based compliance alternatives, the parameters that defined the affected source as eligible for the health-based compliance alternatives are submitted to the permitting authority for incorporation into the title V permit, as federally enforceable limits. These parameters include, fuel type, fuel mix (annual average), emission rate, type of control devices, process parameters (e.g., maximum heat input), and non-process parameters, as listed in the following table. Since the facility's Title V permit already includes permit conditions for fuel type and mix, control device, maximum heat input, the only additional parameters needed to be added to the Title V permit are listed in **Table 7-1**.

Table 7-1 Title V Permit Limits for Wood Waste Boiler (001 ESP)

Process Parameter	Limit	Units	Averaging Time
Manganese Emission Rate	0.53	lb/hr	Annual
	2.32	tpy	
Minimum Stack Height	24.99	Meters	NA

Appendix A

BPIP Analysis

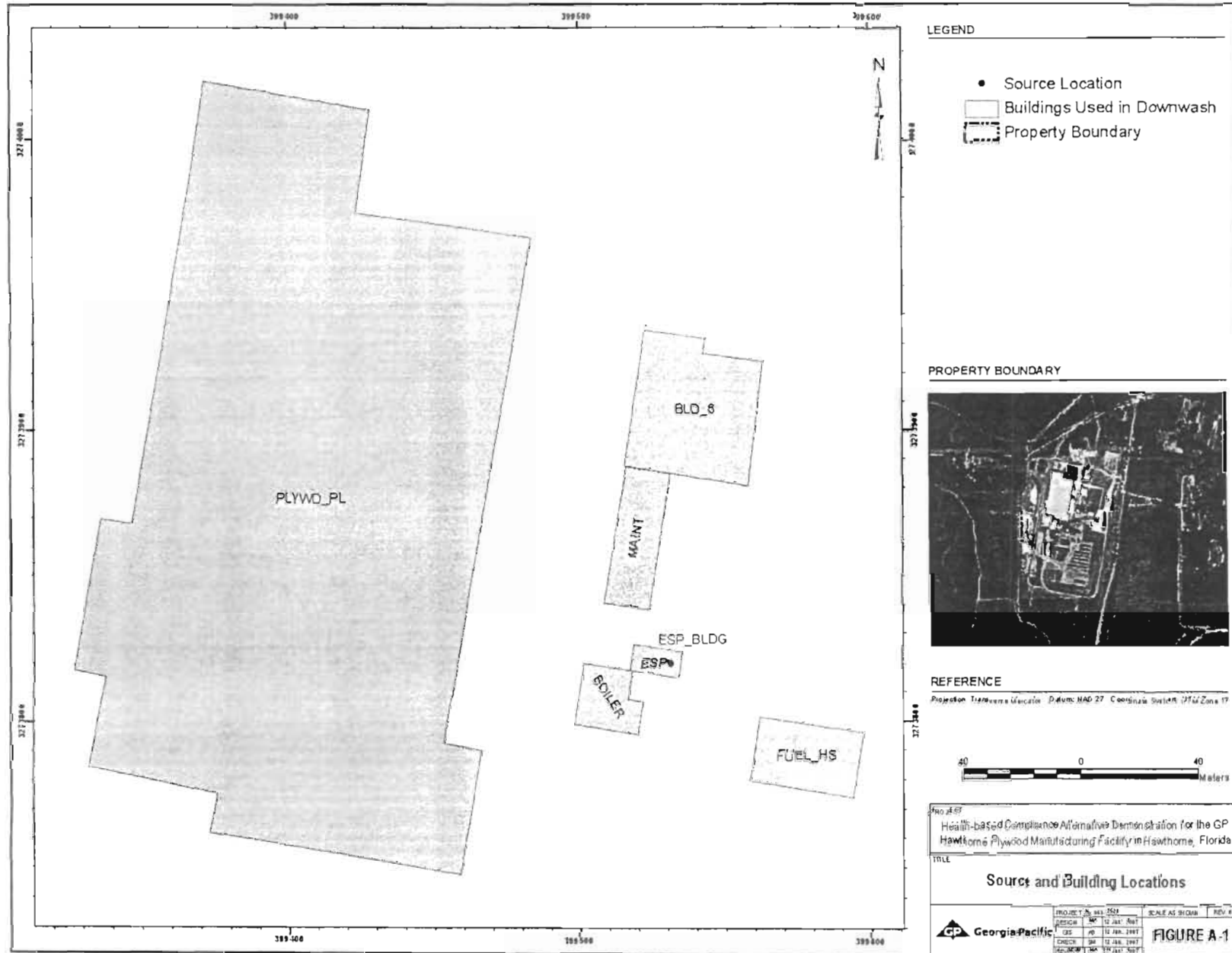


Table A-1 BPIPPRM Summary

BPIP (Dated: 04274)
 DATE : 9/ 6/2006
 TIME : 14:50:27
 2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD 8/22/06

=====

BPIP PROCESSING INFORMATION:

=====

The P flag has been set for preparing downwash related data for a model run utilizing the PRIME algorithm.

Inputs entered in METERS will be converted to meters using a conversion factor of 1.0000. Output will be in meters.

The UTM variable is set to UTM. The input is assumed to be in UTM coordinates. BPIP will move the UTM origin to the first pair of UTM coordinates read. The UTM coordinates of the new origin will be subtracted from all the other UTM coordinates entered to form this new local coordinate system.

The new local coordinates will be displayed in parentheses just below the UTM coordinates they represent.

Plant north is set to 0.00 degrees with respect to True North.

=====

INPUT SUMMARY:

=====

Number of buildings to be processed : 6

ESP_BLDG has 1 tier(s) with a base elevation of 39.32 METERS
 BUILDING TIER BLDG-TIER TIER NO. OF CORNER COORDINATES
 NAME NUMBER NUMBER HEIGHT CORNERS X Y

ESP_BLDG 1 1 27.43 4
 399535.29 3273823.64 meters
 (0.00 0.00) meters
 399533.90 3273814.89 meters
 (-1.39 -8.75) meters
 399517.28 3273817.52 meters
 (-18.01 -6.12) meters
 399518.67 3273826.33 meters
 (-16.61 2.69) meters

FUEL_HS has 1 tier(s) with a base elevation of 38.37 METERS
 BUILDING TIER BLDG-TIER TIER NO. OF CORNER COORDINATES
 NAME NUMBER NUMBER HEIGHT CORNERS X Y

FUEL_HS 1 2 22.86 4
 399562.26 3273801.94 meters
 (26.98 -21.70) meters
 399597.71 3273796.33 meters
 (62.42 -27.31) meters
 399594.25 3273774.45 meters
 (58.96 -49.19) meters
 399558.80 3273780.07 meters
 (23.51 -43.58) meters

BOILER has 1 tier(s) with a base elevation of 40.58 METERS
 BUILDING TIER BLDG-TIER TIER NO. OF CORNER COORDINATES
 NAME NUMBER NUMBER HEIGHT CORNERS X Y

BOILER 1 3 18.29 6
 399498.29 3273799.06 meters
 (-36.99 -24.58) meters
 399501.62 3273820.06 meters
 (-33.67 -3.58) meters
 399518.24 3273817.43 meters
 (-17.04 -6.21) meters
 399516.72 3273807.81 meters
 (-18.57 -15.83) meters
 399521.97 3273806.98 meters
 (-13.31 -16.67) meters
 399520.17 3273795.60 meters
 (-15.11 -28.05) meters

PLYWD_PL has 1 tier(s) with a base elevation of 42.47 METERS
 BUILDING TIER BLDG-TIER TIER NO. OF CORNER COORDINATES
 NAME NUMBER NUMBER HEIGHT CORNERS X Y

PLYWD_PL 1 4 12.80 15
 399483.73 3273966.51 meters

(-51.56 142.87) meters
 399453.22 3273792.28 meters
 (-82.06 -31.36) meters
 399466.18 3273789.84 meters
 (-69.10 -33.80) meters
 399459.14 3273747.60 meters
 (-76.15 -76.05) meters
 399372.91 3273761.79 meters
 (-162.38 -61.85) meters
 399375.60 3273775.37 meters
 (-159.69 -48.28) meters
 399331.63 3273784.47 meters
 (-203.65 -39.17) meters
 399337.38 3273815.38 meters
 (-197.91 -8.26) meters
 399326.84 3273817.64 meters
 (-208.45 -6.00) meters
 399336.17 3273869.78 meters
 (-199.12 46.13) meters
 399346.74 3273868.16 meters
 (-188.55 44.51) meters
 399366.47 3273984.51 meters
 (-168.81 160.87) meters
 399371.83 3274020.05 meters
 (-163.45 196.41) meters
 399428.28 3274010.09 meters
 (-107.00 186.45) meters
 399423.44 3273975.35 meters
 (-111.85 151.71) meters

MAINT has 1 tier(s) with a base elevation of 40.64 METERS
 BUILDING TIER BLDG-TIER TIER NO. OF CORNER COORDINATES
 NAME NUMBER NUMBER HEIGHT CORNERS X Y

MAINT 1 5 6.71 4
 399524.00 3273838.10 meters
 (-11.28 14.46) meters
 399508.68 3273840.53 meters
 (-26.60 16.89) meters
 399516.17 3273887.78 meters
 (-19.12 64.14) meters
 399531.49 3273885.35 meters
 (-3.80 61.71) meters

BLD_6 has 1 tier(s) with a base elevation of 41.88 METERS
 BUILDING TIER BLDG-TIER TIER NO. OF CORNER COORDINATES
 NAME NUMBER NUMBER HEIGHT CORNERS X Y

BLD_6 1 6 6.71 6
 399515.77 3273888.10 meters
 (-19.52 64.46) meters
 399558.18 3273881.22 meters
 (22.90 57.58) meters
 399563.34 3273924.78 meters
 (28.06 101.14) meters
 399542.71 3273927.08 meters
 (7.42 103.43) meters
 399543.85 3273932.23 meters
 (8.57 108.59) meters
 399522.65 3273935.10 meters
 (-12.64 111.46) meters

Number of stacks to be processed : 1

STACK STACK STACK COORDINATES
 NAME BASE HEIGHT X Y

ESP 40.12 24.99 METERS
 399531.10 3273819.82 meters
 (-4.19 -3.82) meters

The following lists the stacks that have been identified as being atop the noted building-tiers.

STACK NAME	BUILDING NO.	TIER NO.	TIER NO.
ESP	1	ESP_BLDG	1 1

Overall GEP Summary Table
 (Units: meters)

StkNo: 1 Stk Name:ESP Stk Ht: 24.99 Prelim. GEP Stk.Ht: 65.00
 GEP: BH: 22.86 PBW: 28.32 *Eqn1 Ht: 55.40
 *adjusted for a Stack-Building elevation difference of 1.75
 No. of Tiers affecting Stk: 1 Direction occurred: 289.50
 Bldg-Tier nos. contributing to GEP: 2

Summary By Direction Table
(Units: meters)

Dominate stand alone tiers:

Drctn: 10.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 16.98 PBL: 9.15 *Wake Effect Ht: 52.11
Relative Coordinates of Projected Width Mid-point: XADJ: -4.66 YADJ: 4.88

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 20.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.22 PBL: 11.91 *Wake Effect Ht: 53.97
Relative Coordinates of Projected Width Mid-point: XADJ: -6.89 YADJ: 4.79

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 30.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.91 PBL: 14.30 *Wake Effect Ht: 55.00
Relative Coordinates of Projected Width Mid-point: XADJ: -8.90 YADJ: 4.57

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 40.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 19.02 PBL: 16.26 *Wake Effect Ht: 55.16
Relative Coordinates of Projected Width Mid-point: XADJ: -10.64 YADJ: 4.20

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 50.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.55 PBL: 17.73 *Wake Effect Ht: 54.46
Relative Coordinates of Projected Width Mid-point: XADJ: -12.06 YADJ: 3.70

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 60.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 17.52 PBL: 18.66 *Wake Effect Ht: 52.92
Relative Coordinates of Projected Width Mid-point: XADJ: -13.12 YADJ: 3.09

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 70.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 15.96 PBL: 19.02 *Wake Effect Ht: 50.57
Relative Coordinates of Projected Width Mid-point: XADJ: -13.77 YADJ: 2.39

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 80.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 13.91 PBL: 18.80 *Wake Effect Ht: 47.50
Relative Coordinates of Projected Width Mid-point: XADJ: -14.01 YADJ: 1.62

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 90.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 18.29 PBW: 24.46 PBL: 23.68 *Wake Effect Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -32.81 YADJ: -11.99

*adjusted for a Stack-Building elevation difference of -0.46
BidNo: 3 Bid Name:BOILER TierNo: 1

Drctn: 100.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 18.29 PBW: 21.55 PBL: 22.52 *Wake Effect Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -29.07 YADJ: -15.36

*adjusted for a Stack-Building elevation difference of -0.46
BidNo: 3 Bid Name:BOILER TierNo: 1

Drctn: 110.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 28.59 PBL: 39.46 *Wake Effect Ht: 55.40
Relative Coordinates of Projected Width Mid-point: XADJ: 35.40 YADJ: -13.59

*adjusted for a Stack-Building elevation difference of 1.75
BidNo: 2 Bid Name:FUEL_HS TierNo: 1

Drctn: 120.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 33.54 PBL: 41.44 *Wake Effect Ht: 55.40
Relative Coordinates of Projected Width Mid-point: XADJ: 35.93 YADJ: -3.81

*adjusted for a Stack-Building elevation difference of 1.75
BidNo: 2 Bid Name:FUEL_HS TierNo: 1

Drctn: 130.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 37.47 PBL: 42.17 *Wake Effect Ht: 55.40
Relative Coordinates of Projected Width Mid-point: XADJ: 35.36 YADJ: 6.09

*adjusted for a Stack-Building elevation difference of 1.75
BidNo: 2 Bid Name:FUEL_HS TierNo: 1

Drctn: 140.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 40.26 PBL: 41.62 *Wake Effect Ht: 55.40
Relative Coordinates of Projected Width Mid-point: XADJ: 33.72 YADJ: 15.80

*adjusted for a Stack-Building elevation difference of 1.75
BidNo: 2 Bid Name:FUEL_HS TierNo: 1

Drctn: 150.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 41.83 PBL: 39.80 *Wake Effect Ht: 55.40
Relative Coordinates of Projected Width Mid-point: XADJ: 31.06 YADJ: 25.03

*adjusted for a Stack-Building elevation difference of 1.75
BidNo: 2 Bid Name:FUEL_HS TierNo: 1

Drctn: 160.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 19.02 PBL: 15.96 *Wake Effect Ht: 55.16
Relative Coordinates of Projected Width Mid-point: XADJ: -10.37 YADJ: -4.27

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 170.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.80 PBL: 13.91 *Wake Effect Ht: 54.83
Relative Coordinates of Projected Width Mid-point: XADJ: -8.57 YADJ: -4.61

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 180.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.01 PBL: 11.44 *Wake Effect Ht: 53.65
Relative Coordinates of Projected Width Mid-point: XADJ: -6.51 YADJ: -4.82

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 190.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40

Single tier MAX: BH: 27.43 PBW: 16.98 PBL: 9.15 *Wake Effect Ht: 52.11
Relative Coordinates of Projected Width Mid-point: XADJ: -4.49 YADJ: -4.88

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 200.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.22 PBL: 11.91 *Wake Effect Ht: 53.97
Relative Coordinates of Projected Width Mid-point: XADJ: -5.02 YADJ: -4.79

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 210.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.91 PBL: 14.30 *Wake Effect Ht: 55.00
Relative Coordinates of Projected Width Mid-point: XADJ: -5.40 YADJ: -4.57

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 220.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 19.02 PBL: 16.26 *Wake Effect Ht: 55.16
Relative Coordinates of Projected Width Mid-point: XADJ: -5.62 YADJ: -4.20

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 230.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.55 PBL: 17.73 *Wake Effect Ht: 54.46
Relative Coordinates of Projected Width Mid-point: XADJ: -5.66 YADJ: -3.70

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 240.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 17.52 PBL: 18.66 *Wake Effect Ht: 52.92
Relative Coordinates of Projected Width Mid-point: XADJ: -5.54 YADJ: -3.09

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 250.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 15.96 PBL: 19.02 *Wake Effect Ht: 50.57
Relative Coordinates of Projected Width Mid-point: XADJ: -5.24 YADJ: -2.39

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 260.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 13.91 PBL: 18.80 *Wake Effect Ht: 47.50
Relative Coordinates of Projected Width Mid-point: XADJ: -4.79 YADJ: -1.62

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 270.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 18.29 PBW: 24.46 PBL: 23.68 *Wake Effect Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: 9.13 YADJ: 11.99

*adjusted for a Stack-Building elevation difference of -0.46
BldNo: 3 Bld Name:BOILER TierNo: 1

Drtcn: 280.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 18.29 PBW: 21.55 PBL: 22.52 *Wake Effect Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: 6.56 YADJ: 15.36

*adjusted for a Stack-Building elevation difference of -0.46
BldNo: 3 Bld Name:BOILER TierNo: 1

Drtcn: 290.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 28.59 PBL: 39.46 *Wake Effect Ht: 55.40
Relative Coordinates of Projected Width Mid-point: XADJ: -74.85 YADJ: 13.59

*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 300.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 33.54 PBL: 41.44 *Wake Effect Ht: 55.40
Relative Coordinates of Projected Width Mid-point: XADJ: -77.37 YADJ: 3.81

*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 310.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 37.47 PBL: 42.17 *Wake Effect Ht: 55.40
Relative Coordinates of Projected Width Mid-point: XADJ: -77.53 YADJ: -6.09

*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 320.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 40.26 PBL: 41.62 *Wake Effect Ht: 55.40
Relative Coordinates of Projected Width Mid-point: XADJ: -75.34 YADJ: -15.80

*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 330.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 41.83 PBL: 39.80 *Wake Effect Ht: 55.40
Relative Coordinates of Projected Width Mid-point: XADJ: -70.86 YADJ: -25.03

*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 340.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 19.02 PBL: 15.96 *Wake Effect Ht: 55.16
Relative Coordinates of Projected Width Mid-point: XADJ: -5.59 YADJ: 4.27

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 350.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.80 PBL: 13.91 *Wake Effect Ht: 54.83
Relative Coordinates of Projected Width Mid-point: XADJ: -5.34 YADJ: 4.61

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 360.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.01 PBL: 11.44 *Wake Effect Ht: 53.65
Relative Coordinates of Projected Width Mid-point: XADJ: -4.93 YADJ: 4.82

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Dominant combined buildings:

Drtcn: 10.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 32.69 PBL: 30.63 *WE Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -26.14 YADJ: 12.73

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2

Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 20.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 32.10 PBL: 35.75 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -30.73 YADJ: 11.73

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 30.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.54 PBL: 39.78 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -34.38 YADJ: 10.38

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 40.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 29.94 PBL: 42.61 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -36.99 YADJ: 7.77

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 50.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.67 PBL: 44.14 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -38.47 YADJ: 3.80

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 60.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.46 PBL: 44.33 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -38.79 YADJ: -0.28

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 70.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 29.40 PBL: 43.17 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -37.93 YADJ: -4.33

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 80.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.53 PBL: 40.70 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -35.91 YADJ: -6.69

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 90.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.74 PBL: 36.99 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -32.81 YADJ: -8.85

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 100.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.63 PBL: 32.69 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -29.07 YADJ: -10.82

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 110.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 35.75 PBL: 32.10 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -27.79 YADJ: -12.85

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 120.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 39.78 PBL: 30.54 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -25.65 YADJ: -14.49

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 130.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 42.61 PBL: 29.94 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -22.74 YADJ: -15.69

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 140.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 44.14 PBL: 30.67 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -19.13 YADJ: -16.41

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 150.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 44.33 PBL: 30.46 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -14.95 YADJ: -16.63

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 160.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 43.17 PBL: 29.40 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -10.37 YADJ: -16.34

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 170.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 40.70 PBL: 30.53 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -8.57 YADJ: -15.56

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 180.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 36.99 PBL: 30.74 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -6.51 YADJ: -14.31

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 190.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99

GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 32.69 PBL: 30.63 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.49 YADJ: -12.73

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 200.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 32.10 PBL: 35.75 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.02 YADJ: -11.73

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 210.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.54 PBL: 39.78 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.40 YADJ: -10.38

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 220.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 29.94 PBL: 42.61 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.62 YADJ: -7.77

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 230.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.67 PBL: 44.14 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.66 YADJ: -3.80

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 240.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.46 PBL: 44.33 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.54 YADJ: 0.28

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 250.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 29.40 PBL: 43.17 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.24 YADJ: 4.33

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 260.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.53 PBL: 40.70 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.79 YADJ: 6.69

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 270.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.74 PBL: 36.99 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.19 YADJ: 8.85

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 280.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.63 PBL: 32.69 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -3.61 YADJ: 10.82

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 290.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 35.75 PBL: 32.10 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.32 YADJ: 12.85

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 300.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 39.78 PBL: 30.54 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.89 YADJ: 14.49

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 310.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 42.61 PBL: 29.94 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -7.20 YADJ: 15.69

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 320.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 44.14 PBL: 30.67 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -11.53 YADJ: 16.41

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 330.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 44.33 PBL: 30.46 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -15.51 YADJ: 16.63

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 340.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 43.17 PBL: 29.40 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -19.02 YADJ: 16.34

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 350.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 40.70 PBL: 30.53 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -21.96 YADJ: 15.56

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 360.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 36.99 PBL: 30.74 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -24.22 YADJ: 14.31

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Appendix B

Model Inputs

Table A-1 BPIPPRM Summary

CO STARTING
 TITLEONE 2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD 1/16/07
 TITLETWO GAINESVILLE/JACKSONVILLE MET DATA 2001-2005
 MODELOPT DFAULT CONC
 AVERTIME PERIOD
 POLLUTID MN
 RUNORNOT RUN
 CO FINISHED
 ..
 ..
 .. AERMOD Source Pathway ..
 ..
 ..
 SO STARTING
 ** Source Location **
 ** Source ID - Type - X Coord. - Y Coord. **
 LOCATION ESP POINT 399531.100 3273819.820 40.120

** Point Source Parameters **

ER	SH	ST	SV	SD
g/s	m	K	m/s	m
SRCPARAM ESP	0.06678	24.99	460.9	13.8 1.8

** Building Downwash **

BUILDHGT ESP	27.43	27.43	27.43	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	18.29	18.29	22.86	22.86
BUILDHGT ESP	22.86	22.86	22.86	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	27.43	27.43	27.43	27.43
BUILDHGT ESP	27.43	27.43	18.29	18.29	22.86	22.86
BUILDHGT ESP	22.86	22.86	22.86	27.43	27.43	27.43
BUILDWID ESP	16.98	18.22	18.91	19.02	18.55	17.52
BUILDWID ESP	15.96	13.91	24.46	21.55	28.59	33.54
BUILDWID ESP	37.47	40.26	41.83	19.02	18.80	18.01
BUILDWID ESP	16.98	18.22	18.91	19.02	18.55	17.52
BUILDWID ESP	15.96	13.91	24.46	21.55	28.59	33.54
BUILDWID ESP	37.47	40.26	41.83	19.02	18.80	18.01
BUILDLEN ESP	9.15	11.91	14.30	16.26	17.73	18.66
BUILDLEN ESP	19.02	18.80	23.68	22.52	39.46	41.44
BUILDLEN ESP	42.17	41.62	39.80	15.96	13.91	11.44
BUILDLEN ESP	9.15	11.91	14.30	16.26	17.73	18.66
BUILDLEN ESP	19.02	18.80	23.68	22.52	39.46	41.44
BUILDLEN ESP	42.17	41.62	39.80	15.96	13.91	11.44
XBADJ ESP	-4.66	-6.89	-8.90	-10.64	-12.06	-13.12
XBADJ ESP	-13.77	-14.01	-32.81	-29.07	35.40	35.93
XBADJ ESP	35.36	33.72	31.06	-10.37	-8.57	-6.51
XBADJ ESP	-4.49	-5.02	-5.40	-5.62	-5.66	-5.54
XBADJ ESP	-5.24	-4.79	9.13	6.56	-74.85	-77.37
XBADJ ESP	-77.53	-75.34	-70.86	-5.59	-5.34	-4.93
YBADJ ESP	4.88	4.79	4.57	4.20	3.70	3.09
YBADJ ESP	2.39	1.62	-11.99	-15.36	-13.59	-3.81
YBADJ ESP	6.09	15.80	25.03	-4.27	-4.61	-4.82
YBADJ ESP	-4.88	-4.79	-4.57	-4.20	-3.70	-3.09
YBADJ ESP	-2.39	-1.62	11.99	15.36	13.59	3.81
YBADJ ESP	-6.09	-15.80	-25.03	4.27	4.61	4.82

SRCGROUP ALL
 SO FINISHED
 ..
 ..
 .. AERMOD Receptor Pathway ..
 ..
 ..
 RE STARTING
 ** BEGIN OF RISK GRID RECEPTORS
 ** X Grid Origin = 399530.00
 ** Y Grid Origin = 3273820.00
 ** No. of Tiers = 2
 ** Tier 1: Segment Distance = 2000.00
 ** Tier 1: Tier Spacing = 100.00
 ** Tier 2: Segment Distance = 4000.00
 ** Tier 2: Tier Spacing = 500.00
 ..
 DISCCART 397530.00 3271820.00 26.82 26.82
 DISCCART 397530.00 3271920.00 26.82 26.82
 DISCCART 397530.00 3272020.00 26.72 26.72
 DISCCART 397530.00 3272120.00 26.82 26.82
 DISCCART 397530.00 3272220.00 26.52 26.52
 DISCCART 397530.00 3272320.00 26.82 26.82
 DISCCART 397530.00 3272420.00 26.82 26.82
 DISCCART 397530.00 3272520.00 26.82 26.82
 DISCCART 397530.00 3272620.00 26.82 26.82
 DISCCART 397530.00 3272720.00 26.82 26.82
 DISCCART 397530.00 3272820.00 26.82 26.82
 DISCCART 397530.00 3272920.00 26.82 26.82

DISCCART	397530.00	3273020.00	27.03	27.03
DISCCART	397530.00	3273120.00	26.82	26.82
DISCCART	397530.00	3273220.00	28.35	28.35
DISCCART	397530.00	3273320.00	31.60	31.60
DISCCART	397530.00	3273420.00	30.18	30.18
DISCCART	397530.00	3273520.00	31.09	31.09
DISCCART	397530.00	3273620.00	32.61	32.61
DISCCART	397530.00	3273720.00	32.31	32.31
DISCCART	397530.00	3273820.00	34.54	34.54
DISCCART	397530.00	3273920.00	34.24	34.24
DISCCART	397530.00	3274020.00	33.83	33.83
DISCCART	397530.00	3274120.00	33.43	33.43
DISCCART	397530.00	3274220.00	33.83	33.83
DISCCART	397530.00	3274320.00	33.53	33.53
DISCCART	397530.00	3274420.00	34.34	34.34
DISCCART	397530.00	3274520.00	34.75	34.75
DISCCART	397530.00	3274620.00	34.75	34.75
DISCCART	397530.00	3274720.00	35.15	35.15
DISCCART	397530.00	3274820.00	35.36	35.36
DISCCART	397530.00	3274920.00	34.44	34.44
DISCCART	397530.00	3275020.00	32.72	32.72
DISCCART	397530.00	3275120.00	30.07	30.07
DISCCART	397530.00	3275220.00	29.87	29.87
DISCCART	397530.00	3275320.00	29.87	29.87
DISCCART	397530.00	3275420.00	29.87	29.87
DISCCART	397530.00	3275520.00	29.87	29.87
DISCCART	397530.00	3275620.00	29.87	29.87
DISCCART	397530.00	3275720.00	29.87	29.87
DISCCART	397530.00	3275820.00	29.87	29.87
DISCCART	397630.00	3271820.00	26.82	26.82
DISCCART	397630.00	3271920.00	26.82	26.82
DISCCART	397630.00	3272020.00	26.70	26.70
DISCCART	397630.00	3272120.00	26.68	26.68
DISCCART	397630.00	3272220.00	26.82	26.82
DISCCART	397630.00	3272320.00	26.82	26.82
DISCCART	397630.00	3272420.00	26.82	26.82
DISCCART	397630.00	3272520.00	26.82	26.82
DISCCART	397630.00	3272620.00	26.82	26.82
DISCCART	397630.00	3272720.00	26.82	26.82
DISCCART	397630.00	3272820.00	26.82	26.82
DISCCART	397630.00	3272920.00	26.82	26.82
DISCCART	397630.00	3273020.00	26.82	26.82
DISCCART	397630.00	3273120.00	26.82	26.82
DISCCART	397630.00	3273220.00	27.63	27.63
DISCCART	397630.00	3273320.00	30.66	30.66
DISCCART	397630.00	3273420.00	30.99	30.99
DISCCART	397630.00	3273520.00	31.88	31.88
DISCCART	397630.00	3273620.00	31.46	31.46
DISCCART	397630.00	3273720.00	30.89	30.89
DISCCART	397630.00	3273820.00	31.75	31.75
DISCCART	397630.00	3273920.00	32.64	32.64
DISCCART	397630.00	3274020.00	33.02	33.02
DISCCART	397630.00	3274120.00	33.50	33.50
DISCCART	397630.00	3274220.00	33.29	33.29
DISCCART	397630.00	3274320.00	34.14	34.14
DISCCART	397630.00	3274420.00	34.58	34.58
DISCCART	397630.00	3274520.00	35.00	35.00
DISCCART	397630.00	3274620.00	37.19	37.19
DISCCART	397630.00	3274720.00	38.90	38.90
DISCCART	397630.00	3274820.00	39.28	39.28
DISCCART	397630.00	3274920.00	37.59	37.59
DISCCART	397630.00	3275020.00	35.23	35.23
DISCCART	397630.00	3275120.00	32.99	32.99
DISCCART	397630.00	3275220.00	30.28	30.28
DISCCART	397630.00	3275320.00	30.37	30.37
DISCCART	397630.00	3275420.00	30.37	30.37
DISCCART	397630.00	3275520.00	29.87	29.87
DISCCART	397630.00	3275620.00	29.87	29.87
DISCCART	397630.00	3275720.00	29.87	29.87
DISCCART	397630.00	3275820.00	29.87	29.87
DISCCART	397730.00	3271820.00	26.82	26.82
DISCCART	397730.00	3271920.00	26.82	26.82
DISCCART	397730.00	3272020.00	26.71	26.71
DISCCART	397730.00	3272120.00	26.77	26.77
DISCCART	397730.00	3272220.00	26.82	26.82
DISCCART	397730.00	3272320.00	26.82	26.82
DISCCART	397730.00	3272420.00	26.82	26.82
DISCCART	397730.00	3272520.00	26.82	26.82
DISCCART	397730.00	3272620.00	26.82	26.82
DISCCART	397730.00	3272720.00	26.82	26.82
DISCCART	397730.00	3272820.00	26.82	26.82
DISCCART	397730.00	3272920.00	26.82	26.82
DISCCART	397730.00	3273020.00	26.82	26.82
DISCCART	397730.00	3273120.00	26.82	26.82
DISCCART	397730.00	3273220.00	27.07	27.07
DISCCART	397730.00	3273320.00	29.57	29.57
DISCCART	397730.00	3273420.00	30.58	30.58
DISCCART	397730.00	3273520.00	31.09	31.09
DISCCART	397730.00	3273620.00	30.19	30.19
DISCCART	397730.00	3273720.00	29.67	29.67
DISCCART	397730.00	3273820.00	33.06	33.06
DISCCART	397730.00	3273920.00	35.11	35.11
DISCCART	397730.00	3274020.00	35.36	35.36
DISCCART	397730.00	3274120.00	35.33	35.33

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

DISCCART 400630.00 3273720.00 34.24 34.24
DISCCART 400630.00 3273820.00 29.30 29.30
DISCCART 400630.00 3273920.00 26.82 26.82
DISCCART 400630.00 3274020.00 26.82 26.82
DISCCART 400630.00 3274120.00 28.18 28.18
DISCCART 400630.00 3274220.00 30.49 30.49
DISCCART 400630.00 3274320.00 34.44 34.44
DISCCART 400630.00 3274420.00 39.76 39.76
DISCCART 400630.00 3274520.00 42.37 42.37
DISCCART 400630.00 3274620.00 42.47 42.47
DISCCART 400630.00 3274720.00 45.00 45.00
DISCCART 400630.00 3274820.00 49.20 49.20
DISCCART 400630.00 3274920.00 49.78 49.78
DISCCART 400630.00 3275020.00 48.77 48.77
DISCCART 400630.00 3275120.00 50.17 50.17
DISCCART 400630.00 3275220.00 49.38 49.38
DISCCART 400630.00 3275320.00 47.98 47.98
DISCCART 400630.00 3275420.00 48.30 48.30
DISCCART 400630.00 3275520.00 49.28 49.28
DISCCART 400630.00 3275620.00 49.20 49.20
DISCCART 400630.00 3275720.00 47.98 47.98
DISCCART 400630.00 3275820.00 48.97 48.97
DISCCART 400730.00 3271820.00 25.30 25.30
DISCCART 400730.00 3271920.00 25.30 25.30
DISCCART 400730.00 3272020.00 25.30 25.30
DISCCART 400730.00 3272120.00 25.30 25.30
DISCCART 400730.00 3272220.00 25.30 25.30
DISCCART 400730.00 3272320.00 25.30 25.30
DISCCART 400730.00 3272420.00 25.30 25.30
DISCCART 400730.00 3272520.00 25.30 25.30
DISCCART 400730.00 3272620.00 25.30 25.30
DISCCART 400730.00 3272720.00 25.30 25.30
DISCCART 400730.00 3272820.00 25.30 25.30
DISCCART 400730.00 3272920.00 25.30 25.30
DISCCART 400730.00 3273020.00 28.58 28.58
DISCCART 400730.00 3273120.00 33.73 33.73
DISCCART 400730.00 3273220.00 37.01 37.01
DISCCART 400730.00 3273320.00 39.86 39.86
DISCCART 400730.00 3273420.00 43.48 43.48
DISCCART 400730.00 3273520.00 44.49 44.49
DISCCART 400730.00 3273620.00 41.58 41.58
DISCCART 400730.00 3273720.00 38.00 38.00
DISCCART 400730.00 3273820.00 33.93 33.93
DISCCART 400730.00 3273920.00 30.96 30.96
DISCCART 400730.00 3274020.00 29.26 29.26
DISCCART 400730.00 3274120.00 30.36 30.36
DISCCART 400730.00 3274220.00 33.07 33.07
DISCCART 400730.00 3274320.00 38.20 38.20
DISCCART 400730.00 3274420.00 40.59 40.59
DISCCART 400730.00 3274520.00 42.84 42.84
DISCCART 400730.00 3274620.00 45.21 45.21
DISCCART 400730.00 3274720.00 47.10 47.10
DISCCART 400730.00 3274820.00 49.74 49.74
DISCCART 400730.00 3274920.00 51.82 51.82
DISCCART 400730.00 3275020.00 51.51 51.51
DISCCART 400730.00 3275120.00 51.15 51.15
DISCCART 400730.00 3275220.00 49.38 49.38
DISCCART 400730.00 3275320.00 47.05 47.05
DISCCART 400730.00 3275420.00 48.46 48.46
DISCCART 400730.00 3275520.00 48.56 48.56
DISCCART 400730.00 3275620.00 48.03 48.03
DISCCART 400730.00 3275720.00 46.90 46.90
DISCCART 400730.00 3275820.00 47.55 47.55
DISCCART 400830.00 3271820.00 25.30 25.30
DISCCART 400830.00 3271920.00 25.30 25.30
DISCCART 400830.00 3272020.00 25.30 25.30
DISCCART 400830.00 3272120.00 25.30 25.30
DISCCART 400830.00 3272220.00 25.30 25.30
DISCCART 400830.00 3272320.00 25.30 25.30
DISCCART 400830.00 3272420.00 25.30 25.30
DISCCART 400830.00 3272520.00 25.30 25.30
DISCCART 400830.00 3272620.00 25.30 25.30
DISCCART 400830.00 3272720.00 25.30 25.30
DISCCART 400830.00 3272820.00 25.30 25.30
DISCCART 400830.00 3272920.00 25.30 25.30
DISCCART 400830.00 3273020.00 28.55 28.55
DISCCART 400830.00 3273120.00 32.00 32.00
DISCCART 400830.00 3273220.00 35.15 35.15
DISCCART 400830.00 3273320.00 38.91 38.91
DISCCART 400830.00 3273420.00 42.98 42.98
DISCCART 400830.00 3273520.00 46.02 46.02
DISCCART 400830.00 3273620.00 43.48 43.48
DISCCART 400830.00 3273720.00 41.15 41.15
DISCCART 400830.00 3273820.00 38.00 38.00
DISCCART 400830.00 3273920.00 34.75 34.75
DISCCART 400830.00 3274020.00 32.00 32.00
DISCCART 400830.00 3274120.00 32.41 32.41
DISCCART 400830.00 3274220.00 36.27 36.27
DISCCART 400830.00 3274320.00 39.32 39.32
DISCCART 400830.00 3274420.00 40.34 40.34
DISCCART 400830.00 3274520.00 42.67 42.67
DISCCART 400830.00 3274620.00 45.72 45.72
DISCCART 400830.00 3274720.00 47.65 47.65
DISCCART 400830.00 3274820.00 48.67 48.67
DISCCART 400830.00 3274920.00 49.99 49.99

DISCCART 400830.00 3275020.00 51.31 51.31
DISCCART 400830.00 3275120.00 51.71 51.71
DISCCART 400830.00 3275220.00 50.29 50.29
DISCCART 400830.00 3275320.00 46.53 46.53
DISCCART 400830.00 3275420.00 46.84 46.84
DISCCART 400830.00 3275520.00 50.29 50.29
DISCCART 400830.00 3275620.00 46.94 46.94
DISCCART 400830.00 3275720.00 45.11 45.11
DISCCART 400830.00 3275820.00 47.55 47.55
DISCCART 400930.00 3271820.00 25.30 25.30
DISCCART 400930.00 3271920.00 25.30 25.30
DISCCART 400930.00 3272020.00 25.30 25.30
DISCCART 400930.00 3272120.00 25.30 25.30
DISCCART 400930.00 3272220.00 25.30 25.30
DISCCART 400930.00 3272320.00 25.30 25.30
DISCCART 400930.00 3272420.00 25.30 25.30
DISCCART 400930.00 3272520.00 25.30 25.30
DISCCART 400930.00 3272620.00 25.30 25.30
DISCCART 400930.00 3272720.00 25.30 25.30
DISCCART 400930.00 3272820.00 25.30 25.30
DISCCART 400930.00 3272920.00 25.30 25.30
DISCCART 400930.00 3273020.00 26.02 26.02
DISCCART 400930.00 3273120.00 31.80 31.80
DISCCART 400930.00 3273220.00 36.27 36.27
DISCCART 400930.00 3273320.00 39.30 39.30
DISCCART 400930.00 3273420.00 42.77 42.77
DISCCART 400930.00 3273520.00 43.75 43.75
DISCCART 400930.00 3273620.00 41.33 41.33
DISCCART 400930.00 3273720.00 40.84 40.84
DISCCART 400930.00 3273820.00 40.04 40.04
DISCCART 400930.00 3273920.00 37.33 37.33
DISCCART 400930.00 3274020.00 33.63 33.63
DISCCART 400930.00 3274120.00 29.55 29.55
DISCCART 400930.00 3274220.00 30.87 32.31
DISCCART 400930.00 3274320.00 32.82 33.83
DISCCART 400930.00 3274420.00 37.23 37.23
DISCCART 400930.00 3274520.00 40.76 40.76
DISCCART 400930.00 3274620.00 43.89 43.89
DISCCART 400930.00 3274720.00 45.29 45.29
DISCCART 400930.00 3274820.00 46.14 46.14
DISCCART 400930.00 3274920.00 46.94 46.94
DISCCART 400930.00 3275020.00 47.73 47.73
DISCCART 400930.00 3275120.00 48.39 48.39
DISCCART 400930.00 3275220.00 47.96 47.96
DISCCART 400930.00 3275320.00 45.21 45.21
DISCCART 400930.00 3275420.00 44.36 44.36
DISCCART 400930.00 3275520.00 45.52 45.52
DISCCART 400930.00 3275620.00 43.77 43.77
DISCCART 400930.00 3275720.00 45.04 45.04
DISCCART 400930.00 3275820.00 48.67 48.67
DISCCART 401030.00 3271820.00 25.17 25.17
DISCCART 401030.00 3271920.00 25.30 25.30
DISCCART 401030.00 3272020.00 25.30 25.30
DISCCART 401030.00 3272120.00 25.30 25.30
DISCCART 401030.00 3272220.00 25.30 25.30
DISCCART 401030.00 3272320.00 25.30 25.30
DISCCART 401030.00 3272420.00 25.30 25.30
DISCCART 401030.00 3272520.00 25.30 25.30
DISCCART 401030.00 3272620.00 25.30 25.30
DISCCART 401030.00 3272720.00 25.30 25.30
DISCCART 401030.00 3272820.00 25.30 25.30
DISCCART 401030.00 3272920.00 25.30 25.30
DISCCART 401030.00 3273020.00 25.48 25.48
DISCCART 401030.00 3273120.00 30.18 30.18
DISCCART 401030.00 3273220.00 35.19 35.19
DISCCART 401030.00 3273320.00 38.04 38.04
DISCCART 401030.00 3273420.00 40.74 40.74
DISCCART 401030.00 3273520.00 40.66 40.66
DISCCART 401030.00 3273620.00 38.31 38.31
DISCCART 401030.00 3273720.00 37.59 37.59
DISCCART 401030.00 3273820.00 37.77 37.77
DISCCART 401030.00 3273920.00 37.68 37.68
DISCCART 401030.00 3274020.00 33.43 33.43
DISCCART 401030.00 3274120.00 28.42 28.42
DISCCART 401030.00 3274220.00 28.35 28.35
DISCCART 401030.00 3274320.00 28.35 28.35
DISCCART 401030.00 3274420.00 29.80 29.80
DISCCART 401030.00 3274520.00 36.65 36.65
DISCCART 401030.00 3274620.00 40.13 40.13
DISCCART 401030.00 3274720.00 42.08 42.08
DISCCART 401030.00 3274820.00 43.05 43.05
DISCCART 401030.00 3274920.00 44.91 44.91
DISCCART 401030.00 3275020.00 45.42 45.42
DISCCART 401030.00 3275120.00 45.13 45.13
DISCCART 401030.00 3275220.00 44.40 44.40
DISCCART 401030.00 3275320.00 42.91 42.91
DISCCART 401030.00 3275420.00 41.11 41.11
DISCCART 401030.00 3275520.00 40.44 40.44
DISCCART 401030.00 3275620.00 40.82 40.82
DISCCART 401030.00 3275720.00 44.85 44.85
DISCCART 401030.00 3275820.00 48.87 48.87
DISCCART 401130.00 3271820.00 25.30 25.30
DISCCART 401130.00 3271920.00 25.30 25.30
DISCCART 401130.00 3272020.00 25.30 25.30


```

DISCCART 396530.00 3275820.00 35.86 35.86
DISCCART 396530.00 3276320.00 31.46 31.46
DISCCART 396530.00 3276820.00 29.87 29.87
DISCCART 396530.00 3277320.00 40.94 40.94
DISCCART 396530.00 3277820.00 42.67 42.67
DISCCART 396030.00 3271820.00 30.99 30.99
DISCCART 396030.00 3272320.00 32.31 32.31
DISCCART 396030.00 3272820.00 35.97 35.97
DISCCART 396030.00 3273320.00 43.69 43.69
DISCCART 396030.00 3273820.00 44.20 44.20
DISCCART 396030.00 3274320.00 44.20 44.20
DISCCART 396030.00 3274820.00 44.20 44.20
DISCCART 396030.00 3275320.00 38.51 38.51
DISCCART 396030.00 3275820.00 29.87 29.87
DISCCART 396030.00 3276320.00 29.87 29.87
DISCCART 396030.00 3276820.00 29.87 29.87
DISCCART 396030.00 3277320.00 31.39 31.39
DISCCART 396030.00 3277820.00 40.03 40.03
DISCCART 395530.00 3271820.00 35.18 35.18
DISCCART 395530.00 3272320.00 36.15 36.15
DISCCART 395530.00 3272820.00 37.69 37.69
DISCCART 395530.00 3273320.00 42.42 42.42
DISCCART 395530.00 3273820.00 44.52 44.52
DISCCART 395530.00 3274320.00 46.74 46.74
DISCCART 395530.00 3274820.00 46.88 46.88
DISCCART 395530.00 3275320.00 39.75 39.75
DISCCART 395530.00 3275820.00 30.18 30.18
DISCCART 395530.00 3276320.00 29.87 29.87
DISCCART 395530.00 3276820.00 29.87 29.87
DISCCART 395530.00 3277320.00 32.00 32.00
DISCCART 395530.00 3277820.00 33.29 33.29
** END OF RISK GRID RECEPTORS
** Discrete Cartesian Plant Boundary - Primary Receptors
** Plant Boundary Name PLBN1
** DESCRREC "FENCEPRI" "Cartesian plant boundary Primary Receptors"
DISCCART 399199.42 3273888.71 41.94 41.94
DISCCART 399235.35 3273972.56 38.43 38.43
DISCCART 399237.86 3274073.33 34.04 34.04
DISCCART 399450.67 3274213.68 35.66 35.66
DISCCART 399549.48 3274263.35 35.53 35.53
DISCCART 399672.44 3274333.41 37.20 37.20
DISCCART 399704.00 3274343.71 37.10 37.10
DISCCART 399700.17 3274235.88 39.30 39.30
DISCCART 399724.46 3274236.07 38.64 38.64
DISCCART 399724.59 3274159.57 39.03 39.03
DISCCART 399781.93 3274153.95 38.66 38.66
DISCCART 399721.17 3273824.85 34.59 34.59
DISCCART 399707.95 3273566.52 34.18 34.18
DISCCART 399611.35 3273252.83 32.66 32.66
DISCCART 399202.70 3273265.59 33.61 33.61
** Discrete Cartesian Plant Boundary - Intermediate Receptors
** Plant Boundary Name PLBN1
** DESCRREC "FENCEINT" "Cartesian plant boundary Intermediate Receptors"
DISCCART 399217.39 3273930.64 40.09 40.09
DISCCART 399236.19 3274006.15 36.63 36.63
DISCCART 399237.02 3274039.74 34.98 34.98
DISCCART 399273.33 3274096.72 34.43 34.43
DISCCART 399308.80 3274120.11 34.59 34.59
DISCCART 399344.27 3274143.51 35.39 35.39
DISCCART 399379.73 3274166.90 36.48 36.48
DISCCART 399415.20 3274190.29 36.48 36.48
DISCCART 399483.61 3274230.24 34.85 34.85
DISCCART 399516.54 3274246.79 35.39 35.39
DISCCART 399590.47 3274286.70 36.40 36.40
DISCCART 399631.45 3274310.06 37.43 37.43
DISCCART 399702.72 3274307.77 37.70 37.70
DISCCART 399701.45 3274271.82 38.93 38.93
DISCCART 399724.53 3274197.82 38.95 38.95
DISCCART 399753.26 3274156.76 38.80 38.80
DISCCART 399773.25 3274106.94 38.32 38.32
DISCCART 399764.57 3274059.92 38.24 38.24
DISCCART 399755.89 3274012.91 37.51 37.51
DISCCART 399747.21 3273965.89 36.48 36.48
DISCCART 399738.53 3273918.88 35.97 35.97
DISCCART 399729.85 3273871.86 35.57 35.57
DISCCART 399718.97 3273781.80 33.34 33.34
DISCCART 399716.76 3273738.74 31.65 31.65
DISCCART 399714.56 3273695.69 31.78 31.78
DISCCART 399712.36 3273652.63 33.89 33.89
DISCCART 399710.15 3273609.58 35.33 35.33
DISCCART 399694.15 3273521.71 33.95 33.95
DISCCART 399680.35 3273476.89 33.62 33.62
DISCCART 399666.55 3273432.08 33.47 33.47
DISCCART 399652.75 3273387.27 32.83 32.83
DISCCART 399638.95 3273342.46 32.51 32.51
DISCCART 399625.15 3273297.64 32.52 32.52
DISCCART 399565.94 3273254.25 34.19 34.19
DISCCART 399520.54 3273255.67 34.95 34.95
DISCCART 399475.13 3273257.08 36.02 36.02
DISCCART 399429.73 3273258.50 36.71 36.71
DISCCART 399384.32 3273259.92 37.20 37.20
DISCCART 399338.92 3273261.34 37.09 37.09
DISCCART 399293.51 3273262.75 36.17 36.17
DISCCART 399248.11 3273264.17 34.92 34.92
DISCCART 399202.45 3273313.52 36.55 36.55

DISCCART 399202.20 3273361.45 39.47 39.47
DISCCART 399201.94 3273409.39 41.75 41.75
DISCCART 399201.69 3273457.32 44.13 44.13
DISCCART 399201.44 3273505.25 44.41 44.41
DISCCART 399201.19 3273553.18 43.65 43.65
DISCCART 399200.93 3273601.12 43.97 43.97
DISCCART 399200.68 3273649.05 43.60 43.60
DISCCART 399200.43 3273696.98 41.99 41.99
DISCCART 399200.18 3273744.91 40.93 40.93
DISCCART 399199.92 3273792.85 41.06 41.06
DISCCART 399199.67 3273840.78 42.44 42.44
RE FINISHED

*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
SURFFILE ..AERMETIGNVJAX01.SFC
PROFFILE ..AERMETIGNVJAX01.PFL
SURFDATA 12816 2001 GAINESVILLE/MUNICIPAL_AIRPORT
UAIRDATA 13889 2001 JACKSONVILLE/INTL_ARPT
PROFBASE 123 FEET
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
PLOTFILE PERIOD ALL HAFLBMAC.P01
OU FINISHED

```

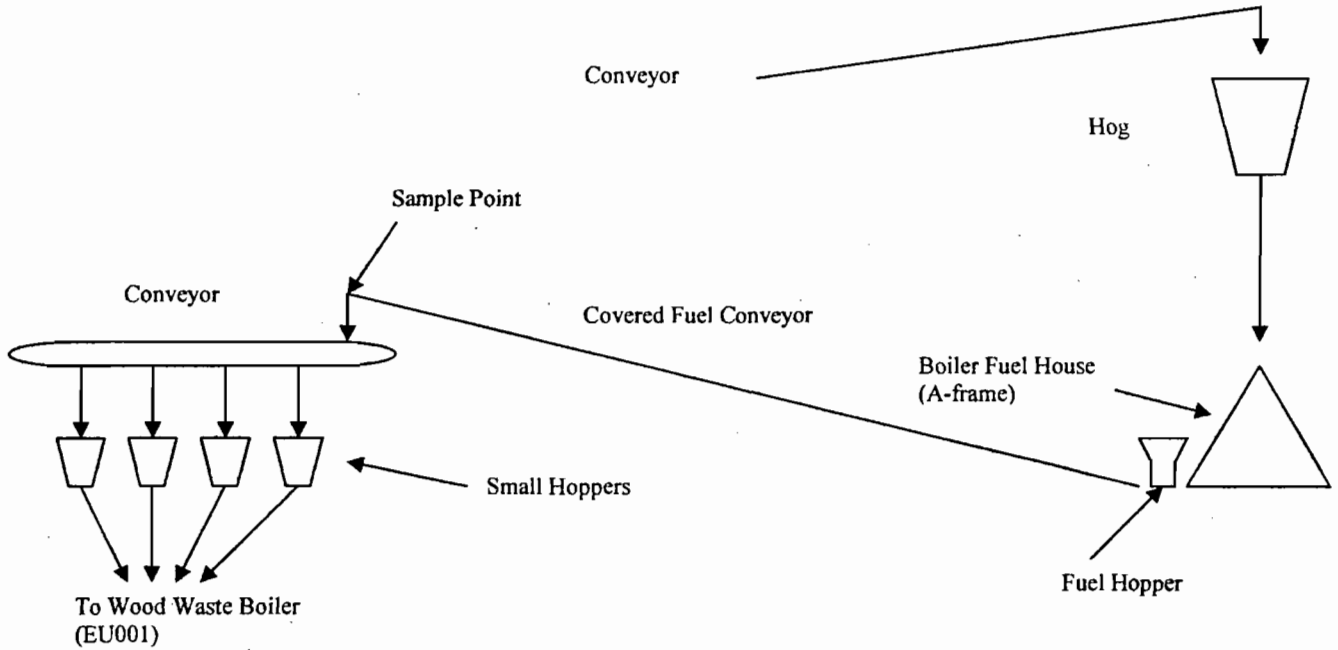
ATTACHMENT 2

Figure 1

Fuel System – Hawthorne Plywood Facility

Wood Waste Boiler

WOOD / BARK SYSTEM



ATTACHMENT 3- DISK OF MODELING INPUT/OUTPUT DATA

ATTACHMENT 4- DELEGATION OF SIGNATORY AUTHORITY



Plant Managers

location/facility code Various

Carmine Perri
Mike Rehwinkellocation/facility code GA029-17
GA029-17subject Signatory Authorization

date January 8, 2007

Attached to this memo is a new Signatory Authorization form for you to keep on file. This form gives the Plant Manager and certain members of my staff, the authorization to sign United States Environmental Protection Agency and State permit applications and reports as a "responsible official" of the Wood Products Division, as allowed by the applicable Federal and State regulations. In specific, all environmental permits and reports (i.e., Title V Permits, NPDES permits, Landfill permits, Title V Compliance Certifications, SARA 311, 312 and 313 reports, DMR, etc.) to be signed by the Plant Manager and to be submitted to the State regulatory agencies, must be approved by the appropriate Manufacturing General Manager, Group, Area or Operations Manager. In addition, Paul Vasquez must approve all future operating permit applications and Title V Compliance Certifications.

One exception to the Signatory Authorization is that Plant Managers that do not meet the criteria described below can not sign Title V Permit applications or Compliance Certifications. If so, the appropriate Manufacturing General Manager, Group, Area or Operations Manager should sign such documents, and/or until the Plant Manager receives written approval from the State agency.

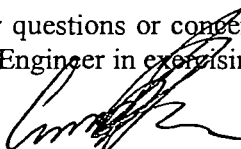
Responsible Official means one of the following:

(1) For a corporation: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a *duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:*

- (i) the facilities employ more than 250 persons or have gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars); or
- (ii) the delegation of authority to such representative is approved in advance by the permitting authority.

Please refer to the attached Table titled "Who is Authorized to Sign What" for additional information.

Should you have any questions or concerns, please contact Paul Vasquez or your assigned Corporate Field Environmental Engineer in exercising this authorization.



Carmine Perri



Mike Rehwinkel

cc: K.M. Bentley
P. J. Vasquez
C.C. Elliott
J. D. Duffy
M.K.O'Day
J. M. Branch
R. G. Repko
W.S. Adams
O.R. Shockey
J.M. Davis
S.D. Matchett
Corporate Field Engineers
Facility Environmental Coordinator

SIGNATORY AUTHORIZATION (Page 1 of 2)

Pursuant to the requirements of the United States Environmental Protection Agency (USEPA) or the appropriate states, or local regulatory agencies, the Plant Managers and members of my staff listed below are hereby authorized to sign all permit applications and compliance reports, and other environmental documents required or requested by the regulatory agencies, and as allowed by the applicable Federal, State, and/or Local regulations.

To be signed by a "responsible official" or "duly authorized representative". As responsible official or duly authorized representative, the Plant Manager and other members of my staff listed herein, are expected to consult with the assigned Division/Group Environmental Manager and/or the assigned corporate field environmental engineer in exercising this authorization.

FACILITY	LOCATION	PLANT MANAGER
Dudley, NC	139 Brewington Road, Dudley, NC 28333	Charles McLendon
Emporia, VA	634 Davis Street, Emporia, VA 23847	Joey Pate
Hawthorne, FL	223 Gordon Chapel Road, Hawthorne, FL 32640	Leon Pinner
Monticello, GA	901 Georgia-Pacific Road, Monticello, GA 31064	Mike Golden
Prosperity, SC	600 Georgia-Pacific Blvd., Prosperity, SC 29127	Kevin Kirk
Russellville, SC	P. O. Box 128, Russellville, SC 29476	Len Springs
Talladega, AL	400 Ironaton Road, Talladega, AL 35160	Mike Thornhill
Warm Springs, GA	5875 Chipley Highway, Warm Springs, GA 31830	Lyle Johnson
Whiteville, NC	1980 Georgia-Pacific Road, Whiteville, NC 28472	Rex Hiers
Crossett, AR	P. O. Box 280, Crossett, AR 71635	Dale Martinie
Fordyce, AR	600 West College Street, Fordyce, AR 71742	Joey Estes
Gloster, MS	221 Frank Schuh Drive, Gloster, MS 39638	Marty Shorey
Louisville, MS	861 South Church Street, Louisville, MS 39339	David Key
Madison, Ga	1400 Woodcraft Road, Madison, GA 30650	Barry Geisel
Peterman, AL	P.O. Box 986, Monroeville, AL 36461	Nick Nicoletta
Taylorville, MS	P.O. Box 555, Taylorville, MS 39168	Wayne Stringer
Cleveland, TX	12936 FM787 W., Cleveland, TX 77327	Ronnie Erwin
Bon Weir, TX	Route 1, Box 104, Bon Weir, TX 75928	Marvin Thompson
Logansport, LA	16906 Highway 5 North, Logansport, LA 71049	Joe Welch
Urania, LA	P. O. Box 490, Urania, LA 71480	Dave Duffy
Brookneal, VA	US Highway 501, Brookneal, VA 24554	Wayne Bales
Dudley, NC	139 Brewington Road, Dudley, NC 28333	Scott Brown
Fordyce, AR	#1 Georgia-Pacific Drive, Fordyce, AR 71742	Jim Upp
Grenada, MS	Route 1, Box 17, Grenada, MS 38925	Troy Brown
Hosford, FL	12995 NE SR 65, Hosford, FL 32334	Tim Adams
Mount Hope, WV	79 North Pax Avenue, Mt. Hope, WV 25880	Neill Belt
Skippers, VA	234 Forest Road, Skippers, VA 23879	Dr. Fu-Shou Lin
Roxboro, NC	1000 N Park Dr, Roxboro, NC 27573	Ralph Cook
Ocala, FL	310 Cypress Road, Ocala, FL 34472	Mike McCracken
Catawba, SC	5260 Cureton Ferry Road, Catawba, SC, 29704	Tim Mackinem
Duluth, MN	1220 W. Railroad Street, Duluth, MN, 55806	Kevin Maki
Gaylord, MI	2212 Dickerson Road, Gaylord, MI 49735	Orville Shockey

SIGNATORY AUTHORIZATION (Page 2 of 2)

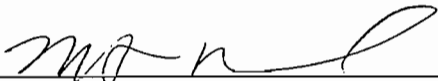
FACILITY	LOCATION	PLANT MANAGER
Jarratt, VA	116 S. Allen Road, Jarratt, VA 23687	Mike Jones
Monticello, GA	791 Georgia-Pacific Road, Monticello, GA 31064	Tim Mackinem
Phillips, WI	Highway 13, Phillips, WI 54555	Dean Grube
Savannah, GA	Old Louisville Road, Savannah, GA 31498	Dade Pendergraft

NAME	LOCATION	TITLE
Cory Elliott	55 Park Place, Atlanta, GA 30303	General Manager
Dave Duffy	55 Park Place, Atlanta, GA 30303	Group Manager
David Key	861 South Church Street, Louisville, MS 39339	Operations Manager
Jimmy Branch	P. O. Box 280, Crossett, AR 71635	Group Manager
Ray Repko	600 Georgia-Pacific Boulevard, Prosperity, SC 29127	Group Manager
Mike O'Day	55 Park Place, Atlanta, GA 30303	Area Manager
Billy Adams	#1 Georgia-Pacific Drive, Fordyce, AR 71742	Operations Manager
Wayne Bales	P.O. Box 340, Brookneal, VA 24528	Operations Manager
Troy Brown	Route 1, Box 17, Highway 51 South, Duck Hill, MS 38925	Operations Manager
Orville Shockey	2212 Dickerson Road, P. O. Box 558, Gaylord, MI 49735	Operations Manager
Paul Vasquez	55 Park Place, Atlanta, GA 30303	Division Environmental Manager



Carmine Perri
Senior Vice President – Manufacturing & Compliance
Building Products

Date Jan 8/2007



Michael T. Rehwinkel
President – Wood Products

Date 1-8-07

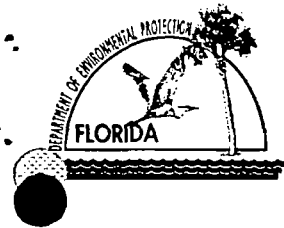
Who is Authorized to Sign What

(Based on Federal Regulations ^(E))

	NPDES (including POTW & SID)		Title V		
	Permit Applications	DMRs	Permit Applications	Reports	Compliance Certification
VP	Yes	Yes	Yes	Yes	Yes
Group Manager/VP	Yes ^(A)	Yes ^(A)	Yes ^(C)	Yes ^(C)	Yes ^(C)
Plant Manager	Yes ^(A)	Yes ^(A)	Yes ^(C)	Yes ^(C)	Yes ^(C)
Environmental Coordinator/Manager	No	Yes ^(B)	No	No ^(D)	No
Divisional Staff	No	Yes ^(B)	No	No ^(D)	No
Corporate/Field Engineer	No	Yes ^(B)	No	No ^(D)	No

- (A) No threshold required
- (B) Written authorization from VP or Plant Manager required, and must be submitted to the state authority
- (C) If (1) > 250 employees or > \$25 million (in 1980 dollars), or (2) state agency has *previously approved* the signatory authority (use G-P presumptive form letter, if necessary)
- (D) The state agency may approve delegation of signatory authority, but *must* be specific and in writing.
- (E) See state regulations for any different requirements.

ATTACHMENT 5- DEP Form No. 62-210.900(1): RO & Professional Engineer Certification



Department of Environmental Protection

Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

Air Construction Permit – Use this form to apply for any air construction permit at a facility operating under a federally enforceable state air operation permit (FESOP) or Title V air permit. Also use this form to apply for an air construction permit:

- For a proposed project subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- Where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- Where the applicant proposes to establish, revise, or renew a plantwide applicability limit (PAL).

Air Operation Permit – Use this form to apply for:

- An initial federally enforceable state air operation permit (FESOP); or
- An initial/revise/renewal Title V air operation permit.

Air Construction Permit & Title V Air Operation Permit (Concurrent Processing Option) – Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: Georgia-Pacific Wood Products LLC	
2. Site Name: Georgia-Pacific Wood Products LLC- Hawthorne Plywood	
3. Facility Identification Number: 1070015	
4. Facility Location... Street Address or Other Locator: 223 Gordon Chapel Road City: Hawthorne County: Putnam Zip Code: 32640	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Application Contact Name: Margarete M Vest	
2. Application Contact Mailing Address... Organization/Firm: Georgia Pacific LLC Street Address: PO Box 919, 190 CR 216 City: Palatka State: FL Zip Code: 32177	
3. Application Contact Telephone Numbers... Telephone: (386) 312 - 1191 ext. Fax: (404) 749 - 2750	
4. Application Contact Email Address: mmvest@gapac.com	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	3. PSD Number (if applicable):
2. Project Number(s):	4. Siting Number (if applicable):

Purpose of Application

This application for air permit is submitted to obtain: (Check one)

Air Construction Permit

- Air construction permit.
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL).
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL), and separate air construction permit to authorize construction or modification of one or more emissions units covered by the PAL.

Air Operation Permit

- Initial Title V air operation permit.
- Title V air operation permit revision.
- Title V air operation permit renewal.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

**Air Construction Permit and Revised/Renewal Title V Air Operation Permit
(Concurrent Processing)**

- Air construction permit and Title V permit revision, incorporating the proposed project.
- Air construction permit and Title V permit renewal, incorporating the proposed project.

Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:

- I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

Application Comment

Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Proc. Fee
EU 001	Boiler with ESP	AC1B	NA

Application Processing Fee

Check one: Attached - Amount: \$_____ Not Applicable

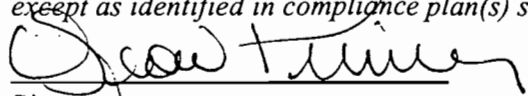
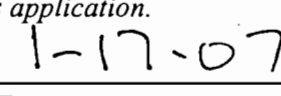
Owner/Authorized Representative Statement

Complete if applying for an air construction permit or an initial FESOP.- NA

1. Owner/Authorized Representative Name : LEON PINNER
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Georgia-Pacific Wood Products LLC Street Address: 223 Gordon Chapel Road City: Hawthorne State: FL Zip Code: 32640
3. Owner/Authorized Representative Telephone Numbers... Telephone: (352-) 481 - 4311 ext. 423 Fax: (352) 481 - 4915
4. Owner/Authorized Representative Email Address: LPinner@gapac.com
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative of the facility addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other requirements identified in this application to which the facility is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit.</i>  Signature <u>1-17-07</u> Date

Application Responsible Official Certification

Complete if applying for an initial/revised/renewal Title V permit or concurrent processing of an air construction permit and a revised/renewal Title V permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."

1. Application Responsible Official Name: LEON PINNER
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source.
3. Application Responsible Official Mailing Address... Organization/Firm: Georgia-Pacific Wood Products LLC Street Address: 223 Gordon Chapel Road City: Hawthorne State: FL Zip Code: 32640
4. Application Responsible Official Telephone Numbers... Telephone: (352-) 481 - 4311 ext. 423 Fax: (352) 481 - 4915
5. Application Responsible Official Email Address: LPinner@gapac.com
6. Application Responsible Official Certification: <i>I, the undersigned, am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.</i>  Signature  Date

Professional Engineer Certification

1. Professional Engineer Name: Margarete M Vest Registration Number: 42794
2. Professional Engineer Mailing Address... Organization/Firm: Georgia-Pacific LLC Street Address: PO Box 919, 190 CR 216 City: Palatka State: FL Zip Code: 32177
3. Professional Engineer Telephone Numbers... Telephone: (386)312 -1191 ext. Fax: (404) 749 - 2750
4. Professional Engineer Email Address: mmvest@gapac.com
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/> , if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/> , if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input checked="" type="checkbox"/> , if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/> , if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i> Margarete M. Vest Signature #42794 / 1-17-07 Georgia-Pacific LLC (see) PO Box 919, Palatka, FL 1-17-07 Date

* Attach any exception to certification statement.



Department of Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Colleen Castille
Secretary

October 20, 2006

Leon Pinner, Plant Manager
Georgia-Pacific Corporation
223 Gordon Chapel Road
Hawthorne, Florida 32640

Re: Putnam County – Air Permitting
Georgia-Pacific Corporation - Hawthorne Plywood Plant
AIRS ID No. 1070015 Project No. 012-AV
Request for Additional Information for Health Based Alternative Compliance
Demonstration

Dear Mr. Pinner:

In accordance with Rule 62-213.420(1)(b)2., F.A.C., and Rule 62-4.070(1), F.A.C., the Department has reviewed the subject application and has determined that the following information and questions need to be answered before the application can be further processed.

Should your response to any of the below items require new calculations, please submit the new calculations, assumptions, reference material and appropriate revised pages of the application form.

1. Please describe the location where the samples were collected for the fuel analysis. Please indicate if there is a magnet in the fuel conveyor system. Please provide a diagram to indicate the sampling location at the fuel conveyor system and the location of the magnet (if any). Please explain if the magnet (if any) can remove Manganese from the fuel.
2. Please confirm that the ESP exhaust point is the only emissions point for the emissions unit. Please verify that the ash hopper of ESP, multi-cyclone collector and ash screen are total enclosed and there are no emissions from these systems.
3. To estimate the worst case Mn emissions rate, the applicant multiplies 0.0053 lb/hr by the ratio of the allowable PM emissions rate to the measured PM rate. Please provide the reasoning of this calculations step.
4. Please provide aerials photograph to indicate the location of the sensitive receptor (for example, school, daycare, senior community, hospital).

Mr. Leon Pinner
Georgia-Pacific Corporation
October 20, 2006
Page 2

5. Since there is only one emissions point for the emissions unit, Hazard Index (HI) is equal to Hazard Quotient (HQ). For inhalation exposures, the HQ is calculated as the air concentration divided by the RFC. Based on the submitted information, the HI for 2001 is estimated to be 0.76 instead of 0.38 as shown in Table 6-1. Please describe how the HI is estimated from year 2001 to 2005.
6. The applicant shall estimate the inhalation exposure for the individual most exposed to the facility's emissions as required by Section 7 (c)(2) of Appendix A of 40 CFR 63, Subpart DDDDD. This is the modeling node where the maximum modeled air concentration occurs, regardless there is a person there or not.
7. The applicant has proposed to establish an emissions limit of 0.53 lb Mn/hr in the permit. Please realize that a short-term emissions limit might require testing to demonstrate compliance with the limit.
8. Based on the application received on November 22, 1994, for the construction of ESP, the stack height is 80 feet. However, the stack height is 82 feet according to this permit application. Please explain the difference. Please also describe how the stack height is being measured or estimated.

Please note that DARM is reviewing the Modeling Report and might have additional questions regarding this project.

Responsible Official (R.O.) Certification Statement:

Rule 62-213.420, F.A.C. requires that a responsible official must certify all Title V permit applications. Due to the nature of the information requested above, the responsible official should certify your response. Please complete and submit a new R.O. certification statement page from the new long application form, DEP Form No. 62-210.900(1), effective June 16, 2003.

Professional Engineer (P.E.) Certification Statement:

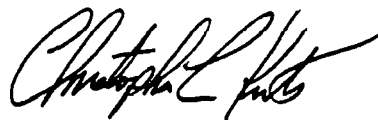
Rule 62-4.050(3), F.A.C. requires that a professional engineer registered in the State of Florida must certify all applications for a Department permit. This requirement also applies to responses to Department requests for additional information of an engineering nature. As a result, a professional engineer registered in the State of Florida should certify your response. Please complete and submit a new P.E. certification statement page from the new long application form, DEP Form No. 62-210.900(1), effective June 16, 2003.

Mr. Leon Pinner
Georgia-Pacific Corporation
October 20, 2006
Page 3

The Department must receive a response from you within 90 (ninety) days of receipt of this letter, unless you (the applicant) request additional time under Rule 62-213.420(1)(b)6., F.A.C.

If you should have any questions, please call MengChiu Lim at (904) 807-3238.

Sincerely,

A handwritten signature in black ink, appearing to read "Christopher L. Kirts". The signature is fluid and cursive, with the first name being the most prominent.

Christopher L. Kirts, P.E.
District Air Program Administrator

CLK: mcl

Cc: Margarete Vest, SR Field Environmental Engineer, Georgia-Pacific Corporation

Phillips, Cindy

From: Lim, Meng
Sent: Wednesday, October 18, 2006 8:11 AM
To: Phillips, Cindy
Subject: RE: GP HBCA for Plywood Plant

Cindy,

I hope you can open the modeling files that i just sent, if not, i will send the CD to you.

The 2004 stack test says the flowrate is 69000 acfm @ 155 MMBtu/hr. It seems like they never tested at permitted capacity, 90-100% of 224 MMBtu/hr.

Do you think i should ask them to explain the differences in stack height? They are proposing to establish the minimum stack height requirement at 82 ft in the permit. Is there a reason to doubt which stack height is a more accurate number?

I found that note, thank you for pointing it out. Question 3 of the rai about their heat input rate will be removed. I will forward their respond to you through email. That number is unlike will affect the HBCA demonstration, because we use permitted heat input rate in the calculation. It is more of a compliance issue. I will keep researching on that issue.

Meng

-----Original Message-----

From: Phillips, Cindy
Sent: Tuesday, October 17, 2006 3:54 PM
To: Lim, Meng
Cc: Felton-Smith, Rita
Subject: RE: GP HBCA for Plywood Plant

Meng, I've look through the application that Rita sent me and discovered that I didn't actually get a copy of the Modeling report, that was supposed to be attached to the application, just the modeling input /output data. The Facility Attachment Information states that "Requested Changes are included in Section 7 of attached file `Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration". Could you please send me a copy of the report before you go on vacation? The application stated that the Requested Changes report would be mailed-in on a CD, so would it be possible for you to e-mail me the report? I don't think I will have my comments on it to you by tomorrow but if there is anything I need to ask them about it I can send them a letter of my own before Day 60.

Have you reviewed their recent stack test data? The current emission point data in ARMS for EU 001 says that the flowrate is 99100 acfm, and the stack height is 80 ft. However, the application notes that the stack height was measured at 82 ft on 9-6-06, and the flowrate is 75000 acfm. What was the actual flowrate during the recent stack test? Does the emission point information in the application agree with the recent stack test report submitted?

In the copy of the application that Rita sent me, there is a page (right before the attached tables of regulatory applicability) which is headed "Fuel Specification". It states that "GP requests that Condition A.2. be modified as shown below to reflect that GP shall burn wood waste only and to remove the reference for burning glue." The condition shown below this statement is "Condition A.2. The boiler is fired with green and dry wood waste. The pilot burner is fired with propane." This is also noted in EPSAP in the comment field at the bottom of the EU Supplemental Information page. Therefore, I think you can remove question #1 from your RAI.

I will try to run the model tomorrow to make sure that I got the same results that they did.

-Cindy

From: Lim, Meng
Sent: Friday, October 13, 2006 2:11 PM
To: Phillips, Cindy

Cc: Felton-Smith, Rita
Subject: RE: GP HBCA for Plywood Plant

Hi Cindy,

This is the draft RAI. I might add a few more questions next week...but these are what i can think of right now. Also, the second document is kind of my personal note for this project review. It should help in understanding where my questions coming from. Please comment.

<< File: RAI.doc >> << File: Boiler MACT Health Based Compliance Alternative for TSM.doc >>

Meng

-----Original Message-----

From: Phillips, Cindy
Sent: Thursday, October 12, 2006 11:00 AM
To: Lim, Meng
Subject: RE: GP HBCA for Plywood Plant

Meng,

I'm glad you have been reviewing it. Please don't feel that your time has been wasted. Since you are actually issuing the permit, you also need to be aware of what's going on. Please let me know how Margaret responds to your questions. I will send you my comments after I have a chance to review the submittal.

-Cindy

From: Lim, Meng
Sent: Thursday, October 12, 2006 10:54 AM
To: Phillips, Cindy
Subject: FW: GP HBCA for Plywood Plant

Cindy,

Oh..well...after i did all my risk assessments homework...i got the news that we don't really have to review it. Anyway....my project is site specific compliance demonstration..therefore modeling is required. The results from modeling is highly dependant on the data input, for my case....there might be an error in emissions rate estimation. If the data is wrong...the federally enforceable condition and/or parameters that we put in the permit will be inaccurate too. I would think minimal review is needed.

below is the email that i sent to GP....

Since emissions rate, lb/hr = emissions factor (lb/MMBtu) x heat input rate (MMBtu/hr)

If the heat input rate is incorrect...i assume that it might affect the assumption that they made. (they are actually potentially in violation of the permitted heat input rate, 224 MMBtu/hr).

Please comment.

Meng

-----Original Message-----

From: Lim, Meng
Sent: Tuesday, October 10, 2006 10:53 AM
To: 'mmvest@gapac.com'
Subject: GP HBCA for Plywood Plant

Hi Margaret,

Can you please verify the accuracy of this calculation for me?

In section 4 of the submitted Source Measurement Report, the table has shown the emissions factor used to estimate the heat input rate during the test.

It is stated that the F factor of 9600 dscf/MMBtu is used to estimate the heat input rate. I believe that is coming from NSPS boiler rule, however i am not sure which subpart.

According to 60 CFR 45 (f)(4)(v), F factor is 9640 dscf/MMBtu. Please confirm that the right f factor is used for the calculations.

Also, based on the test (Run 1),

Stack gas flow rate = 41,089 dscfm

Heat input rate = 41,089 dscfm / 9600 dscf/MMBtu x 60 minute/hr = 256.8 MMBtu/hr , which is higher than 181.7 MMBtu/hr as estimated in the report. Please explain.

Please contact me if you have any question.

MengChiu Lim
State of Florida
Department of Environmental Protection
Northeast District Air Program
7825 Baymeadows Way, Suite B 200
Jacksonville, Florida
Phone: 904-807-3238
Fax: 904-448-4363

Phillips, Cindy

From: Lim, Meng
Sent: Wednesday, October 18, 2006 8:12 AM
To: Phillips, Cindy
Subject: FW: GP HBCA for Plywood Plant

Attachments: EPA Method Table 19- F factors.doc



EPA Method Table
19- F factors...

FYI

-----Original Message-----

From: Vest, Margaret M. [mailto:MMVEST@GAPAC.com]
Sent: Monday, October 16, 2006 3:02 PM
To: Lim, Meng
Subject: RE: GP HBCA for Plywood Plant

Hi Meng;

EPA Method 19 requires a F factor of 9600, not 9640, see attached. Also, you did not correct for excess air in your equation. O₂ was 5.8% , which gives us $(20.9-5.8)/20.9 = .722$ correction factor, which brings us to 185 mmbtu/hr, right in line with the typical running rate for the boiler.

for wood bark

Margarete Vest
ph; 386-312-1191
fax: 404-749-2750
cell: 904-445-8761

-----Original Message-----

From: Lim, Meng [mailto:Meng.Lim@dep.state.fl.us]
Sent: Tuesday, October 10, 2006 10:53 AM
To: Vest, Margaret M.
Subject: GP HBCA for Plywood Plant

Hi Margaret,

Can you please verify the accuracy of this calculation for me?

In section 4 of the submitted Source Measurement Report, the table has shown the emissions factor used to estimate the heat input rate during the test. It is stated that the F factor of 9600 dscf/MMBtu is used to estimate the heat input rate. I believe that is coming from NSPS boiler rule, however i am not sure which subpart. According to 60 CFR 45 (f)(4)(v), F factor is 9640 dscf/MMBtu. Please confirm that the right f factor is used for the calculations.

Also, based on the test (Run 1),

Stack gas flow rate = 41,089 dscfm

Heat input rate = $41,089 \text{ dscfm} / 9600 \text{ dscf/MMBtu} \times 60 \text{ minute/hr} = 256.8 \text{ MMBtu/hr}$, which is higher than 181.7 MMBtu/hr as estimated in the report. Please explain.

Please contact me if you have any question.

MengChiu Lim
State of Florida
Department of Environmental Protecion
Northeast District Air Program
7825 Baymeadows Way, Suite B 200
Jacksonville, Florida
Phone: 904-807-3238
Fax: 904-448-4363

Table 19-2_F Factors for Various Fuels\1\

Fuel Type	Fd		Fw		Fc	
	dscm/J	dscf/10\6\ Btu	wscm/J	wscf/10\6\ Btu	scm/J	scf/10\6\ Btu
Coal:						
Anthracite \2\.....	2.71x10 ⁻⁷	10,100	2.83x10 ⁻⁷	10,540	0.530x10 ⁻⁷	1,970
Bituminous \2\.....	2.63x10 ⁻⁷	9,780	2.86x10 ⁻⁷	10,640	0.484x10 ⁻⁷	1,800
Lignite.....	2.65x10 ⁻⁷	9,860	3.21x10 ⁻⁷	11,950	0.513x10 ⁻⁷	1,910
Oil \3\.....	2.47x10 ⁻⁷	9,190	2.77x10 ⁻⁷	10,320	0.383x10 ⁻⁷	1,420
Gas:.....						
Natural.....	2.34x10 ⁻⁷	8,710	2.85x10 ⁻⁷	10,610	0.287x10 ⁻⁷	1,040
Propane.....	2.34x10 ⁻⁷	8,710	2.74x10 ⁻⁷	10,200	0.321x10 ⁻⁷	1,190
Butane.....	2.34x10 ⁻⁷	8,710	2.79x10 ⁻⁷	10,390	0.337x10 ⁻⁷	1,250
Wood.....	2.48x10 ⁻⁷	9,240	.....	.....	0.492x10 ⁻⁷	1,830
Wood Bark.....	2.58x10 ⁻⁷	9,600	.....	.....	0.516x10 ⁻⁷	1,920
Municipal.....	2.57x10 ⁻⁷	9,570	.....	.....	0.488x10 ⁻⁷	1,820
Solid Waste.....	.....	.....	.....	.....	.....	.....

\1\ Determined at standard conditions: 20 °C (68 °F) and 760 mm Hg (29.92 in Hg)

\2\ As classified according to ASTM D 388.

\3\ Crude, residual, or distillate.

1.0 INTRODUCTION

Georgia-Pacific owns and operates a plywood manufacturing facility located in Hawthorne, FL that is subject to *40 CFR Part 63, Subpart DDDDD National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (Boiler MACT)*. This report, entitled "*Health-based Compliance Alternative Demonstration for the GP Hawthorne Plywood Manufacturing Facility in Hawthorne, FL*", supports the determination that this facility meets the requirements established in *Appendix A to Subpart DDDDD—Methodology and Criteria for Demonstrating Eligibility for the Health-Based Compliance Alternatives*.

This report addresses the Health Based Compliance Alternative (HBCA) for

Manganese for the Total Selected Metals (TSM) HBCA

This report follows the standard risk assessment format tailored to the site-specific assessment approach. The following sections include the following information:

- Section 2: General Description of the Facility and Surroundings
- Section 3: Worst-Case HAP Emissions
- Section 4: HAP Dose-Response Factors
- Section 5: Site-Specific Exposure Assessment Procedures
- Section 6: Health Based Compliance Alternative Low Risk Demonstration
- Section 7: Title V Permit Parameters

For ease of reference, the required elements for the low-risk demonstration (specified in Section 8 of Appendix A of the regulation) are cross-referenced in Table 1-1.

The complete emissions test reports are attached.

Table 1-1 Cross-Reference of Demonstration Requirements

Section 8 Appendix A, Subpart DDDDD 40 CFR Part 63

Requirement	Report Section Number
(a) (1)	2.1
(a) (2) (i)	2.2
(a) (2) (ii)	2.2
(a) (2) (iii)	2.1
(a) (2) (iv)	2.1
(a) (3)	3.1
(a) (4)	4
(a) (5)	3.2
(a) (6)	3.3
(c) (1)	5.1
(c) (2)	5.2
(c) (3)	5.3
(c) (4)	Appendix C
(c) (5)	6.0
(c) (6)	6.0
(d) (6)	7.0

2.0 GENERAL DESCRIPTION OF THE FACILITY AND SURROUNDINGS

2.1 General Facility Information

Georgia-Pacific owns and operates a plywood manufacturing facility located in Hawthorne, FL that is subject to Subpart DDDDD of 40 CFR Part 63 National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (BOILER MACT). The company has demonstrated that the facility meets the requirements of the Health Based Compliance Alternative (HBCA) demonstration for TSM.

Table 2-1 lists all of the boiler and process heaters at this facility that are subject to the Boiler MACT.

Table 2-1 Affected Boiler or Process Heaters Addressed in the HBCA Demonstration

Boiler or Process Heater Emission Point ID	Description	Maximum Rated Capacity (MMBtu/hr)	Fuel(s)	Control Device
001	Wood Waste Boiler	224	Wood Residuals	ESP

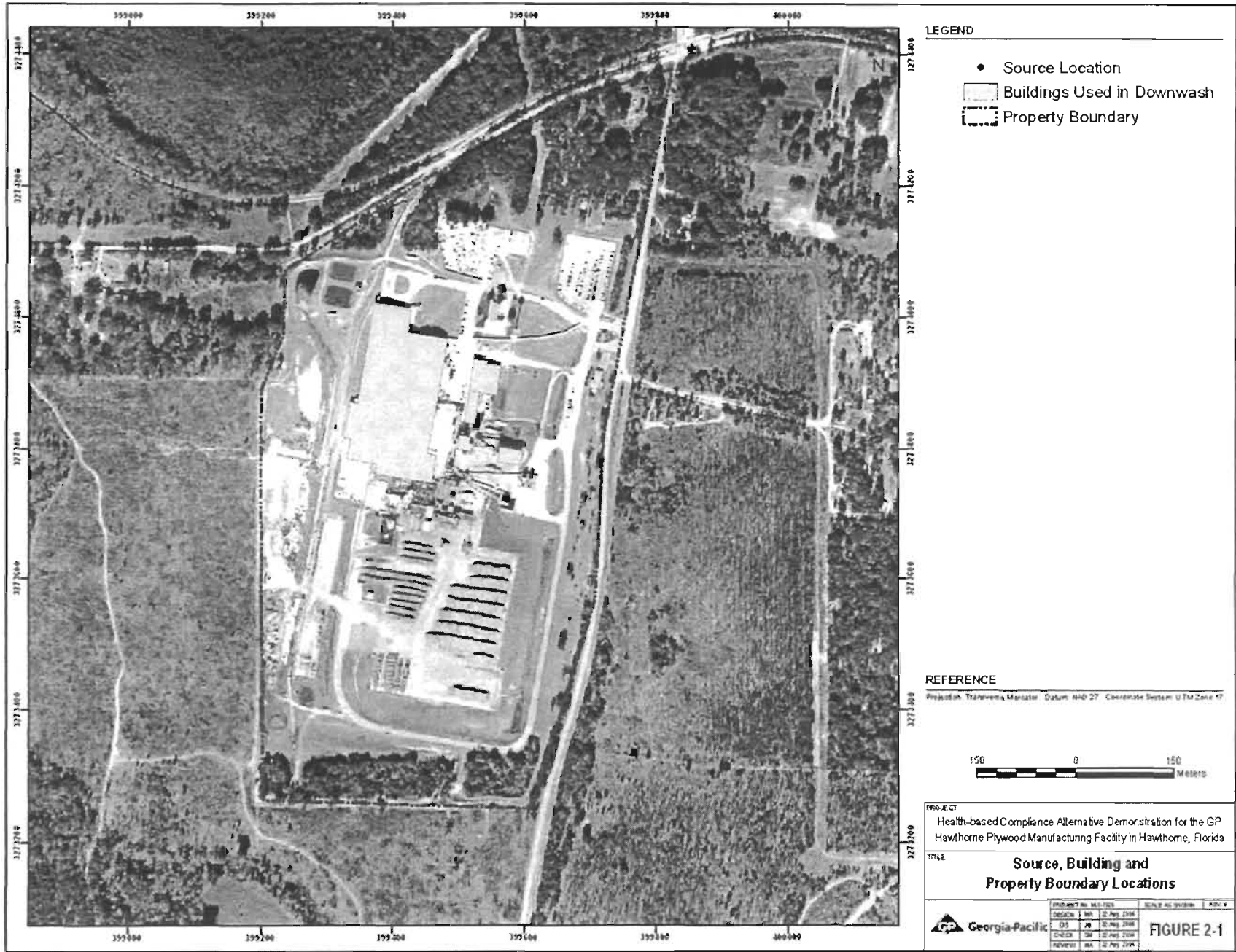
2.2 Boiler or Process Heater Characterization

Table 2-2 provides the stack parameters for each boiler or process heater.

Table 2-2 Boiler or Process Heater Model Input Parameters

Boiler or Process Heater Emission Point ID	Stack area, m ²	Vertical Exit Velocity (m/sec)	Stack Gas Temperature (K)	Release Height (m)	Stack Base Elevation (m msl)	UTM Zone: 17 NAD 1927 Coordinates east, north (m)
001	2.54	13.8	460.9	24.99	40.12	399531.10, 3273819.82

Figure 2-1 is a scale drawing showing the plot plan for the facility, including location of the emission points for each Boiler MACT boiler or process heater and the property boundary of the facility.



3.0 WORST-CASE HAP EMISSIONS

3.1 Applicable Health Based Compliance Alternatives and Target HAPs

Stack test reports are attached for each boiler or process heater depending on the emissions estimation method selected below.

- Total Selected Metals (TSM) HBCA
 - Emissions based on stack tests for Mn for the following boilers and process heaters:
 - 001 (ESP Exhaust)

The attached test report(s) include(s) the following information for each boiler or process heater:

- Worst-case process parameters;
- Calculated parameters;
- Estimation methods used, along with inputs and outputs and references; and
- Worst case emissions rate calculations.

3.2 Worst-Case HAP Emissions for Boilers and Process Heaters

Table 3-1 Worst-Case HAP Emissions for TSM HBCA

Boiler Or Process Heater ID	Emission Estimation Method	Mn	
		(g/s)	(lb/hr)
001 (ESP)	S	0.06678	0.53
Total		0.06678	0.53

3.3 Controlling Process Factors

Factors that result in the worst-case emissions from each boiler or process heater are provided below. A complete discussion of these controlling factors is included in the attached test reports.

Table 3-2 Controlling Factors for Each Boiler or Process Heater for the TSM HBCA

Boiler or Process Heater	Rated Heat Input	Heat Input for Wood Residuals	Heat Input for Natural Gas	Heat Input for Fuel 3	Control Device/ Settings
	MMBtu/hr	(MMBtu/hr)	(MMBtu/hr)	(MMBtu/hr)	Max or Min (units)
Wood Waste Boiler	224	224	NA	NA	ESP Total Power Minimum 50 (Kw)

*FDEP is currently reviewing a request to reduce the minimum ESP total power CAM value to 30 Kw

4.0 HAP DOSE-RESPONSE FACTORS

In accordance with subpart DDDDD Appendix A, Section 7, this site-specific compliance demonstration estimates long-term inhalation exposures of Mn. The corresponding chronic dose-response value of 0.05 ug/m³, which is used in this HBCA demonstration, was adopted from *Table 1 Prioritized Dose-Response Values* published by U.S. EPA OAQPS at the following internet address: <http://www.epa.gov/ttn/atw/toxsource/summary.html>.

5.0 SITE-SPECIFIC EXPOSURE ASSESSMENT PROCEDURES

5.1 Risk Assessment Methodology

This section documents the air quality dispersion modeling analysis to support the site-specific inhalation risk assessment for the low-risk demonstration in accordance with Appendix A of Subpart DDDDD. The risk assessment and dispersion analysis methods follow the procedures established by the *Air Toxics Risk Assessment Reference Library, Volume 2: Facility-Specific Assessment* and U.S. EPA's *Guideline on Air Quality Models (Appendix W to 40 CFR Part 51)*.

5.2 Model Selection

The selection of a dispersion model to estimate short- and long-term off-site exposure takes into consideration the physical geometry of the source, the local dispersion environment and terrain characteristics. These factors, which formulate the basis for choosing the AERMOD model (Version 04300) recommended in the U.S. EPA modeling guidelines, are discussed in detail below.

5.3 Building Wake Effects

The U.S. EPA modeling guidelines require the evaluation of the potential for physical structures to affect the dispersion of emissions from stack sources. The exhaust from stacks that are located within specified distances of buildings, and whose physical heights are below specified levels, may be subject to "aerodynamic building downwash" under certain meteorological conditions. This determination is made by comparison to the Good Engineering Practice (GEP) stack height.

Table 5-1 indicates the process unit stacks that are less than GEP height and, therefore, subject to aerodynamic downwash. For these process units U.S. EPA's Building Profile Input Program for PRIME (BPIP) Version 04274 was used to develop wind direction-specific building dimensions for input to AERMOD. The output of the BPIP analysis is provided in Appendix A.

Table 5-1 Process Unit Stacks and Good Engineering Practice Formula Height

Boiler or Process Heater Emission Point ID	Height (m)	GEP Formula Height (m)
001 (ESP)	24.99	55.4

Table 5-2 shows a summary of building dimensions.

Table 5-2 Building Dimensions

Building/Structure	Height (m)	Length (m)	Width (m)	Maximum Projected Width (m)
ESP_BLDG	27.4	9	17	19
FUEL_HS	22.9	22	36	42
BOILER	18.3	21	22	30
PLYWD_PL	12.8	254	142	291
MAINT	6.7	48	16	51
BLD_6	6.7	48	43	64

^a Building locations are presented in Figure A-1 of Appendix A

5.4 Meteorological Data

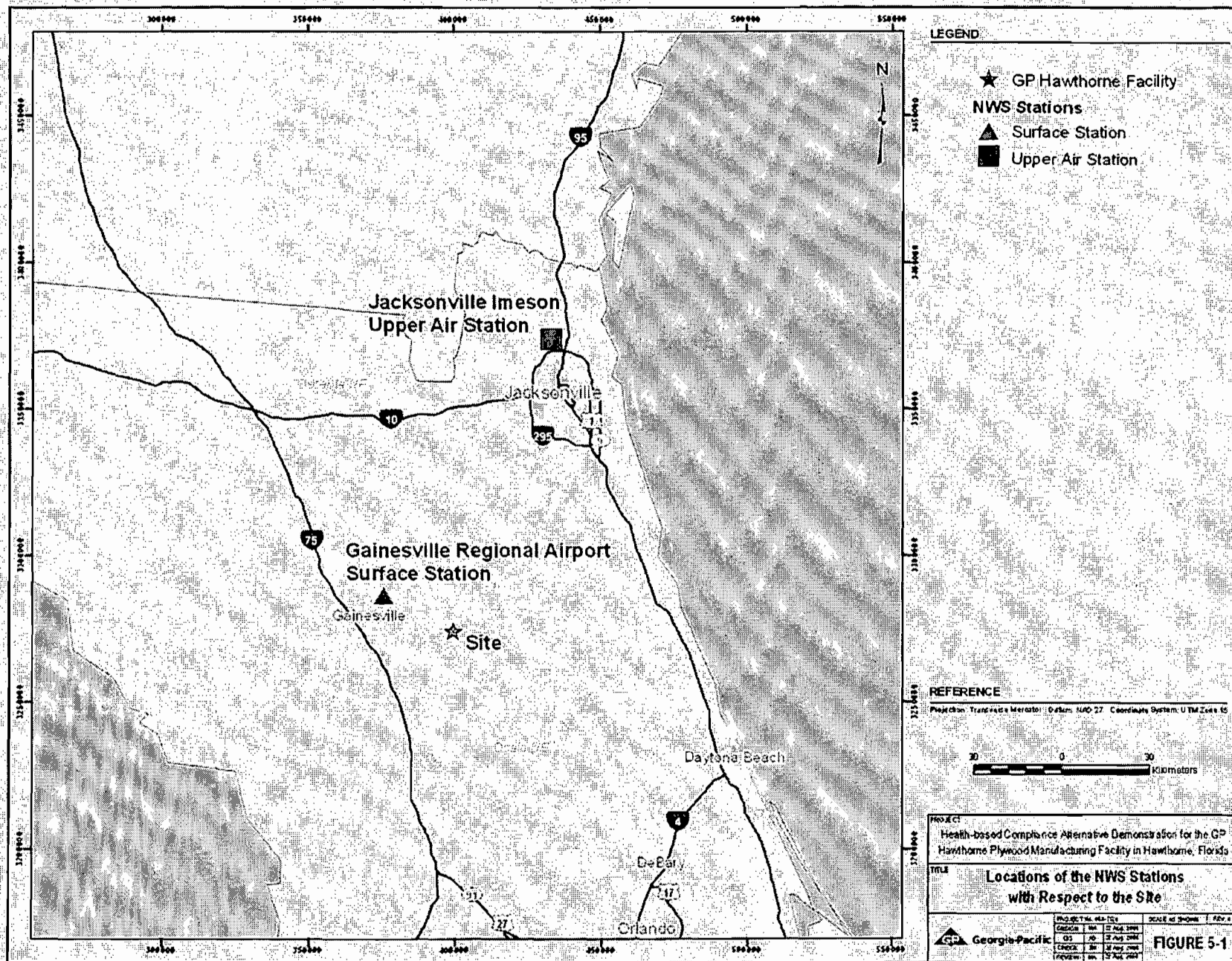
Site-specific dispersion models require a sequential hourly record of dispersion meteorology representative of the region within which the modeled sources are located. In the absence of site-specific measurements, the U.S. EPA Guidelines recommend the use of readily available data from the closest and most representative National Weather Service (NWS) stations. For this analysis a five-year sequential meteorological data set was used consisting of surface observations at the NWS station in Gainesville, FL and concurrent mixing heights from the NWS station in Jacksonville, FL for 2001 through 2005 (see Figure 5-1). The Gainesville, FL anemometer height was 33 feet.

The NWS data were processed into a format that can be input to the AERMOD model using the meteorological preprocessor program AERMET. The data were processed using the Lakes Environmental graphical interface using the latest version of AERMET (04300). The hourly surface data from 2001 through 2005 were obtained from the Florida Department of Environmental Protection (FDEP) in the Solar and Meteorological Observation Network (SAMSON) format. Upper air sounding data were obtained in the Forecast Systems Lab (FSL) format from the FDEP.

A unique feature of the AERMOD model, but implemented in AERMET, is its incorporation of land use parameters for the processing of boundary layer parameters used for the dispersion calculations in AERMOD. Based on the most recent regulatory guidance, the land use parameters should be representative of the data measurement site (i.e., Gainesville Regional Airport). Land use data, representing the average surface roughness, albedo, and Bowen ratio that exist within a 3-km radius of Norfolk were extracted from 1-degree land use files from the US Geographical Survey (USGS) using the AERSURFACE program. AERSURFACE currently extracts land use data in 12 wind direction sectors covering 360 degrees as shown in Table 5-3. The land use values for each wind direction sector were input into Stage 3 of the AERMET preprocessor program to create the surface and profile meteorological files that AERMOD requires. See Figure 5-2 for the 5-year wind rose.

Table 5-3 Summary of Land Use Parameters

	<u>Albedo</u>	<u>Bowen</u>	<u>Z0</u>
000 to 030	0.15	1.17	0.8044
030 to 060	0.15	1.05	0.7636
060 to 090	0.14	0.76	0.7807
090 to 120	0.23	0.84	0.3825
120 to 150	0.15	0.93	0.6770
150 to 180	0.13	0.96	0.7108
180 to 210	0.12	1.04	0.8212
210 to 240	0.16	1.19	0.7151
240 to 270	0.16	1.07	0.7347
270 to 300	0.14	1.09	0.8641
300 to 330	0.12	0.93	0.9275
330 to 360	0.13	1.03	0.8521



WIND ROSE PLOT:

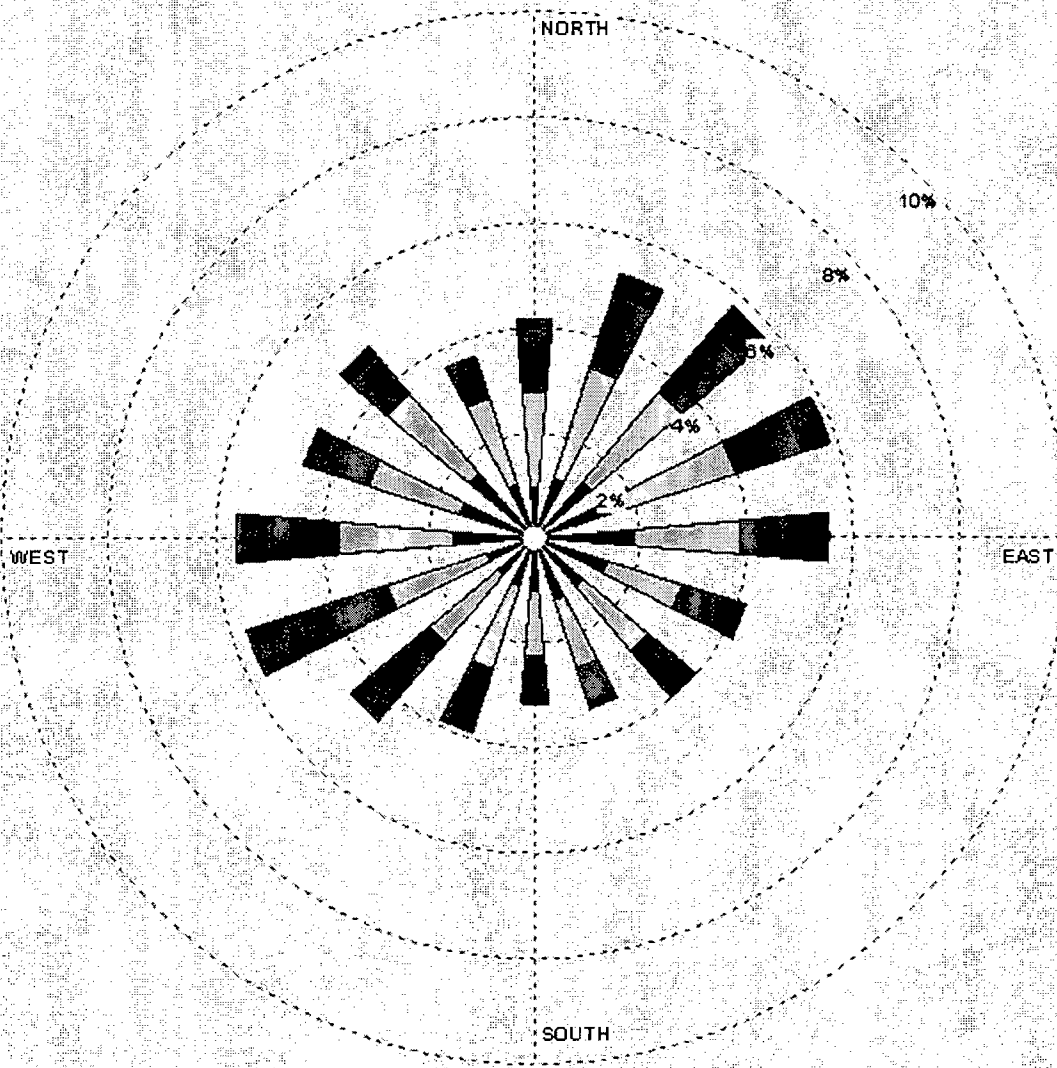
Station #12816 - GAINESVILLE MUNICIPAL AIRPORT, FL

DISPLAY:

Wind Speed
Direction (blowing from)

COMMENTS:

Figure 5-2: 5-Year Wind Rose



WIND SPEED
(Knots)

- >= 22
- 17 - 21
- 11 - 17
- 7 - 11
- 4 - 7
- 1 - 4

Calms: 26.00%

DATE PERIOD:

2001 2002 2003 2004 2005
Jan 1 - Dec 31
00:00 - 23:00

TOTAL COUNT:

43583 hrs.

CALM WINDS:

26.00%

AVG WIND SPEED:

4.97 Knots

COMPANY NAME:

Georgia-Pacific Hawthorne
Mill

MODELEP:

DATE:

8/22/2006

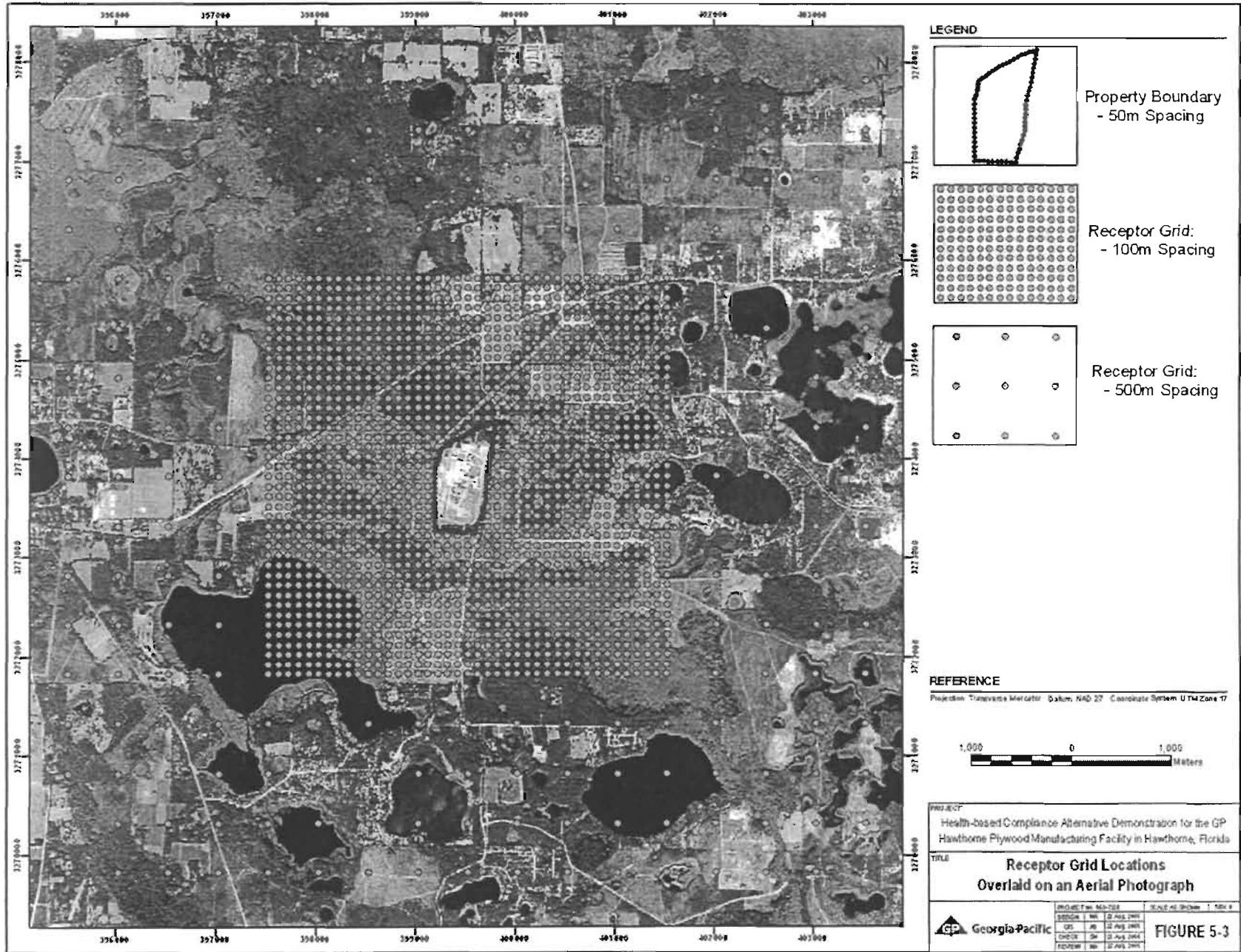
PROJECT NO.:

5.5 Model Receptor Grid

A square Cartesian receptor grid was developed for use in the modeling, supplemented with property boundary receptors every 50 m. Receptors were placed at 100 m spacing within 2 km and 500 m spacing between 2 and 4 km. This receptor grid represents all areas within 4 km of the facility where people could live or congregate.

AERMOD requires each receptor to identify a "height scale" which is defined as the height of a nearby controlling hill. The controlling hill heights and receptor elevations will be generated from Digital Elevation Model (DEM) data, acquired from USGS using the AERMAP terrain processor (Version 04300).

Figure 5-3 shows the receptor locations overlaid on an aerial photograph.



5.6 Model Switches

The AERMOD model was applied in EPA's regulatory default mode which includes the model switches listed in Table 5-4. Appendix B includes a listing of model input, including all source parameters, receptor locations and associated terrain heights. Model output is provided in electronic format in Appendix C.

Table 5-4 Regulatory Default Model Switches

▪ Stack-tip downwash
▪ Buoyancy-induced dispersion
▪ Final plume rise
▪ Calms processing routines
▪ Default wind profile exponents
▪ Default vertical potential temperature gradients

5.7 Dispersion Modeling

Each process unit stack was modeled using the worst-case emission rate as shown in Table 3-1 for Mn.

To evaluate long-term non-carcinogenic impacts the AERMOD model was run for each of the five years of meteorological data and the predicted annual average concentrations for each year were evaluated. These results were used to determine the maximum annual Mn concentration at any receptor over the 5-year period.

6.0 HEALTH BASED COMPLIANCE ALTERNATIVE LOW RISK DEMONSTRATION

The results of the dispersion modeling for Mn, are provided in Table 6-1. Hazard Indices are computed by dividing the modeled concentration by the respective Reference Concentrations. Table 6-1 indicates that the TSM HBCA risk requirement is achieved.

Table 6-1 Site-Specific Risk Characterization at Offsite Locations

HBCA	Modeled HAP	Year	Location of Maximum Concentration UTM(m)	Maximum Annual Average Concentration ($\mu\text{g}/\text{m}^3$)	Annual RfC ($\mu\text{g}/\text{m}^3$)	Hazard Index
TSM	Mn	2001	399738 E 3273917 N	0.038	0.05	0.38 <i>0.76</i>
TSM	Mn	2002	399200 E 3273697 N	0.031	0.05	0.40 <i>0.62</i>
TSM	Mn	2003	399738 E 3273917 N	0.044	0.05	0.42 <i>0.88</i>
TSM	Mn	2004	399738 E 3273917 N	0.044	0.05	0.38 <i>0.88</i>
TSM	Mn	2005	399738 E 3273917 N	0.038	0.05	0.36 <i>0.76</i>

7.0 Title V Permit Parameters

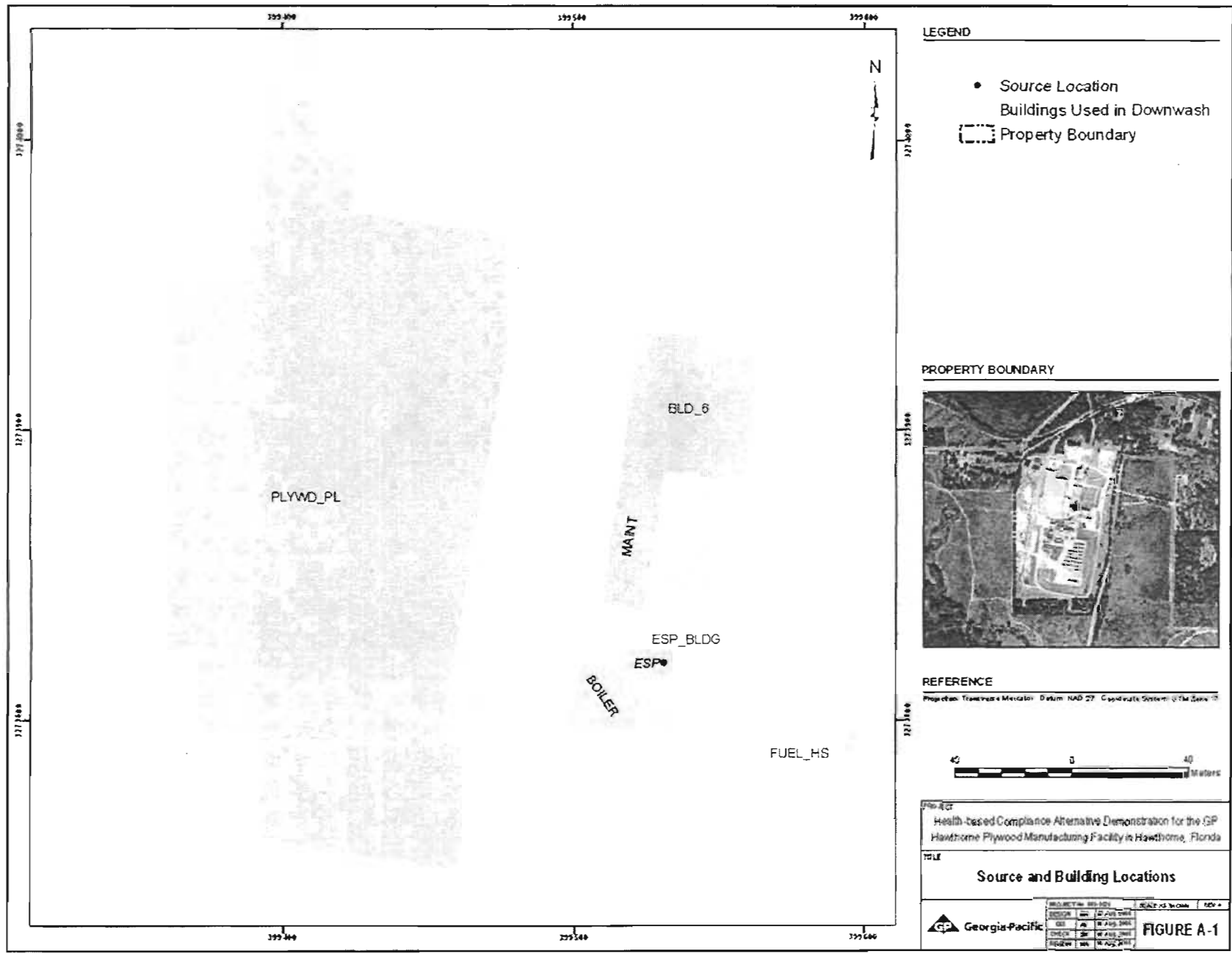
To be eligible for either health-based compliance alternatives, the parameters that defined the affected source as eligible for the health-based compliance alternatives are submitted to the permitting authority for incorporation into the title V permit, as federally enforceable limits. These parameters include, fuel type, fuel mix (annual average), emission rate, type of control devices, process parameters (e.g., maximum heat input), and non-process parameters, as listed in the following table. Since the facility's Title V permit already includes permit conditions for fuel type and mix, control device, maximum heat input, the only additional parameters needed to be added to the Title V permit are listed in **Table 7-1**.

Table 7-1 Title V Permit Limits for Wood Waste Boiler (001 ESP)

Process Parameter	Limit	Units	Averaging Time
Manganese Emission Rate	0.53	lb/hr	Annual
Minimum Stack Height	24.99	Meters	NA

Appendix A

BPIP Analysis



LEGEND

- Source Location
- ▭ Buildings Used in Downwash
- ▭ Property Boundary

PROPERTY BOUNDARY



REFERENCE

Projection: Transverse Mercator Datum: NAD 27 Coordinate System: UTM Zone 18N



Prepared by: GPC
 Health-based Compliance Alternative Demonstration for the GP Hawthorne Plywood Manufacturing Facility in Hawthorne, Florida

TITLE
Source and Building Locations

Georgia-Pacific	PROJECT: 001-001	SCALE: AS SHOWN	REV: *
	DESIGN: JG	DATE: 12 AUG 2011	
	CHK: JG	DATE: 18 AUG 2011	
	CHECK: JG	DATE: 18 AUG 2011	
	APPROVED: JG	DATE: 18 AUG 2011	

FIGURE A-1

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

Table A-1 BPIPPRM Summary

BPIP (Dated: 04274)
 DATE : 9/ 6/2006
 TIME : 14:50:27
 2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD 8/22/06

 BPIP PROCESSING INFORMATION:

The P flag has been set for preparing downwash related data for a model run utilizing the PRIME algorithm.

Inputs entered in METERS will be converted to meters using a conversion factor of 1.0000. Output will be in meters.

The UTM variable is set to UTM. The input is assumed to be in UTM coordinates. BPIP will move the UTM origin to the first pair of UTM coordinates read. The UTM coordinates of the new origin will be subtracted from all the other UTM coordinates entered to form this new local coordinate system.

The new local coordinates will be displayed in parentheses just below the UTM coordinates they represent.

Plant north is set to 0.00 degrees with respect to True North:

 INPUT SUMMARY:

Number of buildings to be processed : 6

ESP_BLDG has 1 tier(s) with a base elevation of 39.32 METERS
 BUILDING TIER BLDG-TIER TIER NO. OF CORNER COORDINATES
 NAME NUMBER NUMBER HEIGHT CORNERS X Y

NAME	NUMBER	NUMBER	HEIGHT	CORNERS	X	Y
ESP_BLDG	1	1	27.43	4		
					399535.29	3273823.64
					(0.00	0.00) meters
					399533.90	3273814.89
					(-1.39	-8.75) meters
					399517.28	3273817.52
					(-18.01	-6.12) meters
					399518.67	3273826.33
					(-16.61	2.89) meters

FUEL_HS has 1 tier(s) with a base elevation of 38.37 METERS
 BUILDING TIER BLDG-TIER TIER NO. OF CORNER COORDINATES
 NAME NUMBER NUMBER HEIGHT CORNERS X Y

NAME	NUMBER	NUMBER	HEIGHT	CORNERS	X	Y
FUEL_HS	1	2	22.86	4		
					399562.26	3273801.94
					(26.98	-21.70) meters
					399597.71	3273795.33
					(62.42	-27.31) meters
					399594.25	3273774.45
					(58.96	-49.19) meters
					399598.80	3273780.07
					(23.51	-43.58) meters

BOILER has 1 tier(s) with a base elevation of 40.58 METERS
 BUILDING TIER BLDG-TIER TIER NO. OF CORNER COORDINATES
 NAME NUMBER NUMBER HEIGHT CORNERS X Y

NAME	NUMBER	NUMBER	HEIGHT	CORNERS	X	Y
BOILER	1	3	18.29	6		
					399498.29	3273799.06
					(-36.99	-24.58) meters
					399501.62	3273820.06
					(-33.87	-3.58) meters
					399518.24	3273817.43
					(-17.04	-6.21) meters
					399516.72	3273807.81
					(-18.57	-15.83) meters
					399521.97	3273806.98
					(-13.31	-18.67) meters
					399520.17	3273795.60
					(-15.11	-28.05) meters

PLYWD_PL has 1 tier(s) with a base elevation of 42.47 METERS
 BUILDING TIER BLDG-TIER TIER NO. OF CORNER COORDINATES

NAME	NUMBER	NUMBER	HEIGHT	CORNERS	X	Y
PLYWD_PL	1	4	12.80	15		
					399483.73	3273966.51
					(-51.56	142.87) meters
					399453.22	3273792.28
					(-82.06	-31.36) meters
					399466.18	3273789.84
					(-69.10	-33.80) meters
					399459.14	3273747.60
					(-76.15	-70.05) meters
					399372.91	3273761.79
					(-162.38	-61.85) meters
					399375.60	3273775.37
					(-159.69	-48.26) meters
					399331.63	3273784.47
					(-203.65	-39.17) meters
					399337.38	3273815.38
					(-197.91	-8.26) meters
					399328.84	3273817.64
					(-208.45	-6.00) meters
					399336.17	3273869.78
					(-199.12	46.13) meters
					399346.74	3273868.16
					(-188.55	44.51) meters
					399366.47	3273964.51
					(-168.81	160.87) meters
					399371.83	3274020.05
					(-183.45	196.41) meters
					399428.28	3274010.09
					(-107.00	186.45) meters
					399423.44	3273975.35
					(-111.85	151.71) meters

MAINT has 1 tier(s) with a base elevation of 40.84 METERS
 BUILDING TIER BLDG-TIER TIER NO. OF CORNER COORDINATES

NAME	NUMBER	NUMBER	HEIGHT	CORNERS	X	Y
MAINT	1	5	6.71	4		
					399524.00	3273838.10
					(-11.28	14.46) meters
					399508.68	3273840.53
					(-26.60	16.89) meters
					399516.17	3273887.78
					(-19.12	64.14) meters
					399531.49	3273885.35
					(-3.60	61.71) meters

BLD_5 has 1 tier(s) with a base elevation of 41.88 METERS
 BUILDING TIER BLDG-TIER TIER NO. OF CORNER COORDINATES

NAME	NUMBER	NUMBER	HEIGHT	CORNERS	X	Y
BLD_5	1	6	6.71	6		
					399515.77	3273888.10
					(-19.52	64.46) meters
					399558.18	3273881.22
					(22.90	57.58) meters
					399563.34	3273924.78
					(28.06	101.14) meters
					399542.71	3273927.08
					(7.42	103.43) meters
					399543.85	3273932.23
					(8.57	108.59) meters
					399522.65	3273935.10
					(-12.64	111.46) meters

Number of stacks to be processed : 1

STACK	STACK	STACK	COORDINATES
STACK NAME	BASE	HEIGHT	X Y
ESP	40.12	24.99	METERS
			399531.10 3273819.82
			(-4.19 -3.82) meters

The following lists the stacks that have been identified as being atop the noted building-tiers.

STACK	BUILDING	TIER
NAME	NO.	NO.
ESP	1	ESP_BLDG 1 1

Overall GEP Summary Table
 (Units: meters)

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

StkNo: 1 Stk Name:ESP Stk Ht: 24.99 Prelim. GEP Stk.Ht: 65.00
 GEP: BH: 22.86 PBW: 28.32 *Eqn 1 Ht: 55.40
 *adjusted for a Stack-Building elevation difference of 1.75
 No. of Tiers affecting Stk: 1 Direction occurred: 289.50
 Bldg-Tier nos. contributing to GEP: 2

50.57
 Relative Coordinates of Projected Width Mid-point: XADJ: -13.77 YADJ: 2.39

*adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 80.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 13.91 PBL: 18.80 *Wake Effect Ht: 47.50
 Relative Coordinates of Projected Width Mid-point: XADJ: -14.01 YADJ: 1.62

*adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 90.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 18.29 PBW: 24.46 PBL: 23.68 *Wake Effect Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -32.81 YADJ: -11.99

*adjusted for a Stack-Building elevation difference of -0.48
 BidNo: 3 Bid Name:BOILER TierNo: 1

Drctn: 100.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 18.29 PBW: 21.55 PBL: 22.52 *Wake Effect Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -29.07 YADJ: -15.36

*adjusted for a Stack-Building elevation difference of -0.46
 BidNo: 3 Bid Name:BOILER TierNo: 1

Drctn: 110.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 22.88 PBW: 28.59 PBL: 39.46 *Wake Effect Ht: 55.40
 Relative Coordinates of Projected Width Mid-point: XADJ: 35.40 YADJ: -13.59

*adjusted for a Stack-Building elevation difference of 1.75
 BidNo: 2 Bid Name:FUEL_HS TierNo: 1

Drctn: 120.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 22.86 PBW: 33.54 PBL: 41.44 *Wake Effect Ht: 55.40
 Relative Coordinates of Projected Width Mid-point: XADJ: 35.93 YADJ: -3.81

*adjusted for a Stack-Building elevation difference of 1.75
 BidNo: 2 Bid Name:FUEL_HS TierNo: 1

Drctn: 130.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 22.86 PBW: 37.47 PBL: 42.17 *Wake Effect Ht: 55.40
 Relative Coordinates of Projected Width Mid-point: XADJ: 35.36 YADJ: 6.09

*adjusted for a Stack-Building elevation difference of 1.75
 BidNo: 2 Bid Name:FUEL_HS TierNo: 1

Drctn: 140.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 22.86 PBW: 40.26 PBL: 41.62 *Wake Effect Ht: 55.40
 Relative Coordinates of Projected Width Mid-point: XADJ: 33.72 YADJ: 15.80

*adjusted for a Stack-Building elevation difference of 1.75
 BidNo: 2 Bid Name:FUEL_HS TierNo: 1

Drctn: 150.00

Summary By Direction Table (Units: meters)

Dominate stand alone tiers:

Drctn: 10.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 16.98 PBL: 9.15 *Wake Effect Ht: 52.11
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.66 YADJ: 4.88

*adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 20.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 18.22 PBL: 11.91 *Wake Effect Ht: 53.97
 Relative Coordinates of Projected Width Mid-point: XADJ: -6.89 YADJ: 4.79

*adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 30.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 18.91 PBL: 14.30 *Wake Effect Ht: 55.00
 Relative Coordinates of Projected Width Mid-point: XADJ: -8.90 YADJ: 4.57

*adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 40.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 19.02 PBL: 16.26 *Wake Effect Ht: 55.16
 Relative Coordinates of Projected Width Mid-point: XADJ: -10.64 YADJ: 4.20

*adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 50.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 18.55 PBL: 17.73 *Wake Effect Ht: 54.46
 Relative Coordinates of Projected Width Mid-point: XADJ: -12.06 YADJ: 3.70

*adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 60.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 17.52 PBL: 16.65 *Wake Effect Ht: 52.92
 Relative Coordinates of Projected Width Mid-point: XADJ: -13.12 YADJ: 3.09

*adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 70.00

StkNo: 1 Stk Name:ESP Stk Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 15.96 PBL: 19.02 *Wake Effect Ht:

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 22.86 PBW: 41.83 PBL: 39.80 *Wake Effect Ht: 55.40
 Relative Coordinates of Projected Width Mid-point: XADJ: 31.06 YADJ: 25.03
 *adjusted for a Stack-Building elevation difference of 1.75
 BidNo: 2 Bid Name:FUEL_HS TierNo: 1
 Drtc: 160.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 19.02 PBL: 15.96 *Wake Effect Ht: 55.16
 Relative Coordinates of Projected Width Mid-point: XADJ: -10.37 YADJ: 4.27
 *adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1
 Drtc: 170.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 18.80 PBL: 13.91 *Wake Effect Ht: 54.83
 Relative Coordinates of Projected Width Mid-point: XADJ: -8.57 YADJ: 4.61
 *adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1
 Drtc: 180.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 18.01 PBL: 11.44 *Wake Effect Ht: 53.65
 Relative Coordinates of Projected Width Mid-point: XADJ: -6.51 YADJ: 4.82
 *adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1
 Drtc: 190.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 16.98 PBL: 9.15 *Wake Effect Ht: 52.11
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.49 YADJ: 4.88
 *adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1
 Drtc: 200.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 18.22 PBL: 11.91 *Wake Effect Ht: 53.97
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.02 YADJ: 4.79
 *adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1
 Drtc: 210.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 18.91 PBL: 14.30 *Wake Effect Ht: 55.00
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.40 YADJ: 4.57
 *adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1
 Drtc: 220.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 19.02 PBL: 16.26 *Wake Effect Ht: 55.16
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.82 YADJ: 4.20
 *adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1
 Drtc: 230.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 18.55 PBL: 17.73 *Wake Effect Ht: 54.46
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.66 YADJ: -3.70
 *adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1
 Drtc: 240.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 17.52 PBL: 18.66 *Wake Effect Ht: 52.92
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.54 YADJ: -3.09
 *adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1
 Drtc: 250.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 15.96 PBL: 19.02 *Wake Effect Ht: 50.57
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.24 YADJ: -2.39
 *adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1
 Drtc: 260.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 13.91 PBL: 18.80 *Wake Effect Ht: 47.50
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.79 YADJ: -1.62
 *adjusted for a Stack-Building elevation difference of 0.80
 BidNo: 1 Bid Name:ESP_BLDG TierNo: 1
 Drtc: 270.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 18.29 PBW: 24.46 PBL: 23.68 *Wake Effect Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: 9.13 YADJ: 11.99
 *adjusted for a Stack-Building elevation difference of -0.46
 BidNo: 3 Bid Name:BOILER TierNo: 1
 Drtc: 280.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 18.29 PBW: 21.55 PBL: 22.52 *Wake Effect Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: 6.56 YADJ: 15.36
 *adjusted for a Stack-Building elevation difference of -0.46
 BidNo: 3 Bid Name:BOILER TierNo: 1
 Drtc: 290.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 22.86 PBW: 28.59 PBL: 39.46 *Wake Effect Ht: 55.40
 Relative Coordinates of Projected Width Mid-point: XADJ: -74.85 YADJ: 13.59
 *adjusted for a Stack-Building elevation difference of 1.75
 BidNo: 2 Bid Name:FUEL_HS TierNo: 1
 Drtc: 300.00

SikNo: 1 Sik Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 22.86 PBW: 33.54 PBL: 41.44 *Wake Effect Ht:

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

55.40
Relative Coordinates of Projected Width Mid-point: XADJ: -77.37 YADJ: 3.81

*adjusted for a Stack-Building elevation difference of 1.75
BidNo: 2 Bid Name:FUEL_HS TierNo: 1

Drctn: 310.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 37.47 PBL: 42.17 *Wake Effect Ht: 55.40
Relative Coordinates of Projected Width Mid-point: XADJ: -77.53 YADJ: -6.09

*adjusted for a Stack-Building elevation difference of 1.75
BidNo: 2 Bid Name:FUEL_HS TierNo: 1

Drctn: 320.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 40.26 PBL: 41.62 *Wake Effect Ht: 55.40
Relative Coordinates of Projected Width Mid-point: XADJ: -75.34 YADJ: -15.80

*adjusted for a Stack-Building elevation difference of 1.75
BidNo: 2 Bid Name:FUEL_HS TierNo: 1

Drctn: 330.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 41.83 PBL: 39.80 *Wake Effect Ht: 55.40
Relative Coordinates of Projected Width Mid-point: XADJ: -70.85 YADJ: -25.03

*adjusted for a Stack-Building elevation difference of 1.75
BidNo: 2 Bid Name:FUEL_HS TierNo: 1

Drctn: 340.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 19.02 PBL: 15.96 *Wake Effect Ht: 55.16
Relative Coordinates of Projected Width Mid-point: XADJ: -5.59 YADJ: 4.27

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 350.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.80 PBL: 13.91 *Wake Effect Ht: 54.83
Relative Coordinates of Projected Width Mid-point: XADJ: -5.34 YADJ: 4.61

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Drctn: 360.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.01 PBL: 11.44 *Wake Effect Ht: 53.65
Relative Coordinates of Projected Width Mid-point: XADJ: -4.93 YADJ: 4.82

*adjusted for a Stack-Building elevation difference of 0.80
BidNo: 1 Bid Name:ESP_BLDG TierNo: 1

Dominant combined buildings:

Drctn: 10.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 32.89 PBL: 30.83 *WE Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -26.14 YADJ: 12.73

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2

Bldg-Tier nos. contributing to MAX: 3 1

Drctn: 20.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 32.10 PBL: 35.75 *WE Ht: 46.18

Relative Coordinates of Projected Width Mid-point: XADJ: -30.73 YADJ: 11.73

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drctn: 30.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.54 PBL: 39.78 *WE Ht: 46.18

Relative Coordinates of Projected Width Mid-point: XADJ: -34.38 YADJ: 10.38

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drctn: 40.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 29.94 PBL: 42.61 *WE Ht: 46.18

Relative Coordinates of Projected Width Mid-point: XADJ: -36.99 YADJ: 7.77

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drctn: 50.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.67 PBL: 44.14 *WE Ht: 46.18

Relative Coordinates of Projected Width Mid-point: XADJ: -38.47 YADJ: 3.80

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drctn: 60.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.48 PBL: 44.33 *WE Ht: 46.18

Relative Coordinates of Projected Width Mid-point: XADJ: -38.79 YADJ: -0.28

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drctn: 70.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 29.40 PBL: 43.17 *WE Ht: 46.18

Relative Coordinates of Projected Width Mid-point: XADJ: -37.93 YADJ: -4.33

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drctn: 80.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.53 PBL: 40.70 *WE Ht: 46.18

Relative Coordinates of Projected Width Mid-point: XADJ: -35.91 YADJ: -6.69

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

Drctn: 90.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.74 PBL: 36.99 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -32.81 YADJ: -8.85

Drctn: 170.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 40.70 PBL: 30.53 *WE Ht: 48.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -8.57 YADJ: -15.56

Drctn: 100.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.63 PBL: 32.69 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -29.07 YADJ: -10.82

Drctn: 110.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 35.75 PBL: 32.10 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -27.79 YADJ: -12.85

Drctn: 120.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 39.78 PBL: 30.54 *WE Ht: 45.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -25.65 YADJ: -14.48

Drctn: 130.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 42.61 PBL: 29.94 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -22.74 YADJ: -15.69

Drctn: 140.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 44.14 PBL: 30.67 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -19.13 YADJ: -16.41

Drctn: 150.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 44.33 PBL: 30.46 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -14.95 YADJ: -16.63

Drctn: 160.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 43.17 PBL: 29.40 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -10.37 YADJ: -18.34

Drctn: 190.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 32.69 PBL: 30.83 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.49 YADJ: -12.73

Drctn: 200.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.54 PBL: 35.75 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.02 YADJ: -11.73

Drctn: 210.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 29.94 PBL: 42.61 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.40 YADJ: -10.38

Drctn: 220.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 29.94 PBL: 42.61 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.62 YADJ: -7.77

Drctn: 230.00
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1
 StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.67 PBL: 44.14 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.66 YADJ: -3.80

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 240.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.48 PBL: 44.33 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.54 YADJ: 0.28

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 250.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 29.40 PBL: 43.17 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -5.24 YADJ: 4.33

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 260.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.53 PBL: 40.70 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.79 YADJ: 6.69

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 270.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.74 PBL: 36.99 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.19 YADJ: 8.85

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 280.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.63 PBL: 32.69 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -3.61 YADJ: 10.82

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 290.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 35.75 PBL: 32.10 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.32 YADJ: 12.65

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 300.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 39.78 PBL: 30.54 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.89 YADJ: 14.49

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 310.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40

Combined tier MAX: BH: 18.29 PBW: 42.61 PBL: 29.94 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -7.20 YADJ: 15.69

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 320.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 44.14 PBL: 30.87 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -11.53 YADJ: 18.41

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 330.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 44.33 PBL: 30.46 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -15.51 YADJ: 16.63

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 340.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 43.17 PBL: 29.40 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -19.02 YADJ: 16.34

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 350.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 40.70 PBL: 30.53 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -21.96 YADJ: 15.56

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 360.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 36.99 PBL: 30.74 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -24.22 YADJ: 14.31

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Appendix B

Model Inputs

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

Table B-1 AERMOD Input File

CO STARTING
 TITLE ONE 2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD
 9/06/06
 TITLE TWO GAINESVILLE/JACKSONVILLE MET DATA 2001-2005
 MODELOPT DFAULT CONC
 AVERTIME PERIOD
 POLLUTID MN
 RUNORNOT RUN
 CO FINISHED

 ** AERMOD Source Pathway

SO STARTING
 ** Source Location **
 ** Source ID - Type - X Coord. - Y Coord. **
 LOCATION ESP POINT 399531.100 3273819.820 40.120

** Point Source Parameters **
 ** ER SH ST SV SD
 ** g/s m K m/s m

 SRCPARAM ESP 0.06678 24.99 460.9 13.8 1.8

** Building Downwash **
 BUILDHGT ESP 27.43 27.43 27.43 27.43 27.43 27.43
 BUILDHGT ESP 27.43 27.43 18.29 18.29 22.86 22.86
 BUILDHGT ESP 22.86 22.86 22.86 27.43 27.43 27.43
 BUILDHGT ESP 27.43 27.43 27.43 27.43 27.43 27.43
 BUILDHGT ESP 27.43 27.43 18.29 18.29 22.86 22.86
 BUILDHGT ESP 22.86 22.86 22.86 27.43 27.43 27.43

BUILDWID ESP 16.98 18.22 18.91 19.02 18.55 17.52
 BUILDWID ESP 15.96 13.91 24.46 21.55 28.59 33.54
 BUILDWID ESP 37.47 40.26 41.83 19.02 18.80 18.01
 BUILDWID ESP 16.98 18.22 18.91 19.02 18.55 17.52
 BUILDWID ESP 15.96 13.91 24.46 21.55 28.59 33.54
 BUILDWID ESP 37.47 40.26 41.83 19.02 18.80 18.01

BUILDLEN ESP 9.15 11.91 14.30 16.26 17.73 18.66
 BUILDLEN ESP 19.02 18.80 23.68 22.52 39.46 41.44
 BUILDLEN ESP 42.17 41.62 39.80 15.96 13.91 11.44
 BUILDLEN ESP 9.15 11.91 14.30 16.26 17.73 18.66
 BUILDLEN ESP 19.02 18.80 23.68 22.52 39.46 41.44
 BUILDLEN ESP 42.17 41.62 39.80 15.96 13.91 11.44

XBADJ ESP -4.66 -6.89 -8.90 -10.64 -12.06 -13.12
 XBADJ ESP -13.77 -14.01 -32.81 -29.07 35.40 35.93
 XBADJ ESP 35.36 33.72 31.06 -10.37 -8.57 -6.51
 XBADJ ESP -4.49 -5.02 -5.40 -5.62 -5.66 -5.54
 XBADJ ESP -5.24 -4.79 9.13 6.56 -74.85 -77.37
 XBADJ ESP -77.53 -75.34 -70.86 -5.59 -5.34 -4.93

YBADJ ESP 4.88 4.79 4.57 4.20 3.70 3.09
 YBADJ ESP 2.39 1.62 -11.99 -15.36 -13.59 -3.81
 YBADJ ESP 6.09 15.80 25.03 -4.27 -4.61 -4.82
 YBADJ ESP -4.88 -4.79 -4.57 -4.20 -3.70 -3.09
 YBADJ ESP -2.39 -1.62 11.99 15.36 13.59 3.81
 YBADJ ESP -6.09 -15.80 -25.03 4.27 4.61 4.82

SRCGROUP ALL
 SO FINISHED

 ** AERMOD Receptor Pathway

RE STARTING
 ** BEGIN OF RISK GRID RECEPTORS
 ** X Grid Origin = 399530.00
 ** Y Grid Origin = 3273820.00
 ** No. of Tiers = 2
 ** Tier 1: Segment Distance = 2000.00
 ** Tier 1: Tier Spacing = 100.00
 ** Tier 2: Segment Distance = 4000.00
 ** Tier 2: Tier Spacing = 500.00

DISCCART 397530.00 3271820.00 26.82 26.82
 DISCCART 397530.00 3271920.00 26.82 26.82
 DISCCART 397530.00 3272020.00 26.72 26.72
 DISCCART 397530.00 3272120.00 26.82 26.82
 DISCCART 397530.00 3272220.00 26.52 26.52
 DISCCART 397530.00 3272320.00 26.82 26.82
 DISCCART 397530.00 3272420.00 26.82 26.82
 DISCCART 397530.00 3272520.00 26.82 26.82

DISCCART 397530.00 3272620.00 26.82 26.82
 DISCCART 397530.00 3272720.00 26.82 26.82
 DISCCART 397530.00 3272820.00 26.82 26.82
 DISCCART 397530.00 3272920.00 26.82 26.82
 DISCCART 397530.00 3273020.00 27.03 27.03
 DISCCART 397530.00 3273120.00 26.82 26.82
 DISCCART 397530.00 3273220.00 28.35 28.35
 DISCCART 397530.00 3273320.00 31.60 31.60
 DISCCART 397530.00 3273420.00 30.18 30.18
 DISCCART 397530.00 3273520.00 31.09 31.09
 DISCCART 397530.00 3273620.00 32.61 32.61
 DISCCART 397530.00 3273720.00 32.31 32.31
 DISCCART 397530.00 3273820.00 34.54 34.54
 DISCCART 397530.00 3273920.00 34.24 34.24
 DISCCART 397530.00 3274020.00 33.83 33.83
 DISCCART 397530.00 3274120.00 33.43 33.43
 DISCCART 397530.00 3274220.00 33.83 33.83
 DISCCART 397530.00 3274320.00 33.53 33.53
 DISCCART 397530.00 3274420.00 34.34 34.34
 DISCCART 397530.00 3274520.00 34.75 34.75
 DISCCART 397530.00 3274620.00 34.75 34.75
 DISCCART 397530.00 3274720.00 35.15 35.15
 DISCCART 397530.00 3274820.00 35.36 35.36
 DISCCART 397530.00 3274920.00 34.44 34.44
 DISCCART 397530.00 3275020.00 32.72 32.72
 DISCCART 397530.00 3275120.00 30.07 30.07
 DISCCART 397530.00 3275220.00 29.87 29.87
 DISCCART 397530.00 3275320.00 29.87 29.87
 DISCCART 397530.00 3275420.00 29.87 29.87
 DISCCART 397530.00 3275520.00 29.87 29.87
 DISCCART 397530.00 3275620.00 29.87 29.87
 DISCCART 397530.00 3275720.00 29.87 29.87
 DISCCART 397530.00 3275820.00 29.87 29.87
 DISCCART 397530.00 3275920.00 26.82 26.82
 DISCCART 397530.00 3276020.00 26.82 26.82
 DISCCART 397530.00 3276120.00 26.82 26.82
 DISCCART 397530.00 3276220.00 26.82 26.82
 DISCCART 397530.00 3276320.00 26.82 26.82
 DISCCART 397530.00 3276420.00 26.82 26.82
 DISCCART 397530.00 3276520.00 26.82 26.82
 DISCCART 397530.00 3276620.00 26.82 26.82
 DISCCART 397530.00 3276720.00 26.82 26.82
 DISCCART 397530.00 3276820.00 26.82 26.82
 DISCCART 397530.00 3276920.00 26.82 26.82
 DISCCART 397530.00 3277020.00 26.82 26.82
 DISCCART 397530.00 3277120.00 26.82 26.82
 DISCCART 397530.00 3277220.00 26.82 26.82
 DISCCART 397530.00 3277320.00 26.82 26.82
 DISCCART 397530.00 3277420.00 26.82 26.82
 DISCCART 397530.00 3277520.00 26.82 26.82
 DISCCART 397530.00 3277620.00 26.82 26.82
 DISCCART 397530.00 3277720.00 26.82 26.82
 DISCCART 397530.00 3277820.00 26.82 26.82
 DISCCART 397530.00 3277920.00 26.82 26.82
 DISCCART 397530.00 3278020.00 26.82 26.82
 DISCCART 397530.00 3278120.00 26.82 26.82
 DISCCART 397530.00 3278220.00 26.82 26.82
 DISCCART 397530.00 3278320.00 26.82 26.82
 DISCCART 397530.00 3278420.00 26.82 26.82
 DISCCART 397530.00 3278520.00 26.82 26.82
 DISCCART 397530.00 3278620.00 26.82 26.82
 DISCCART 397530.00 3278720.00 26.82 26.82
 DISCCART 397530.00 3278820.00 26.82 26.82
 DISCCART 397530.00 3278920.00 26.82 26.82
 DISCCART 397530.00 3279020.00 26.82 26.82
 DISCCART 397530.00 3279120.00 26.82 26.82
 DISCCART 397530.00 3279220.00 26.82 26.82
 DISCCART 397530.00 3279320.00 26.82 26.82
 DISCCART 397530.00 3279420.00 26.82 26.82
 DISCCART 397530.00 3279520.00 26.82 26.82
 DISCCART 397530.00 3279620.00 26.82 26.82
 DISCCART 397530.00 3279720.00 26.82 26.82
 DISCCART 397530.00 3279820.00 26.82 26.82
 DISCCART 397530.00 3279920.00 26.82 26.82
 DISCCART 397530.00 3280020.00 26.82 26.82

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

DISCCART	397730.00	3273620.00	30.19	30.19	DISCCART	397930.00	3274620.00	43.08	43.08
DISCCART	397730.00	3273720.00	29.67	29.67	DISCCART	397930.00	3274720.00	42.12	42.12
DISCCART	397730.00	3273820.00	33.06	33.06	DISCCART	397930.00	3274820.00	39.28	39.28
DISCCART	397730.00	3273920.00	35.11	35.11	DISCCART	397930.00	3274920.00	33.83	33.83
DISCCART	397730.00	3274020.00	35.36	35.36	DISCCART	397930.00	3275020.00	32.54	32.54
DISCCART	397730.00	3274120.00	35.33	35.33	DISCCART	397930.00	3275120.00	31.57	31.57
DISCCART	397730.00	3274220.00	35.41	35.41	DISCCART	397930.00	3275220.00	29.87	29.87
DISCCART	397730.00	3274320.00	36.68	36.68	DISCCART	397930.00	3275320.00	29.87	29.87
DISCCART	397730.00	3274420.00	37.73	37.73	DISCCART	397930.00	3275420.00	29.87	29.87
DISCCART	397730.00	3274520.00	37.60	37.60	DISCCART	397930.00	3275520.00	29.87	29.87
DISCCART	397730.00	3274620.00	39.73	39.73	DISCCART	397930.00	3275620.00	29.87	29.87
DISCCART	397730.00	3274720.00	41.19	41.19	DISCCART	397930.00	3275720.00	29.87	29.87
DISCCART	397730.00	3274820.00	40.79	40.79	DISCCART	397930.00	3275820.00	29.87	29.87
DISCCART	397730.00	3274920.00	37.39	37.39	DISCCART	398030.00	3271820.00	26.82	26.82
DISCCART	397730.00	3275020.00	34.19	34.19	DISCCART	398030.00	3271920.00	26.82	26.82
DISCCART	397730.00	3275120.00	32.31	32.31	DISCCART	398030.00	3272020.00	26.82	26.82
DISCCART	397730.00	3275220.00	29.87	29.87	DISCCART	398030.00	3272120.00	26.82	26.82
DISCCART	397730.00	3275320.00	30.78	30.78	DISCCART	398030.00	3272220.00	26.82	26.82
DISCCART	397730.00	3275420.00	29.87	29.87	DISCCART	398030.00	3272320.00	26.82	26.82
DISCCART	397730.00	3275520.00	29.87	29.87	DISCCART	398030.00	3272420.00	26.75	26.75
DISCCART	397730.00	3275620.00	29.87	29.87	DISCCART	398030.00	3272520.00	26.82	26.82
DISCCART	397730.00	3275720.00	29.80	29.80	DISCCART	398030.00	3272620.00	26.82	26.82
DISCCART	397730.00	3275820.00	29.87	29.87	DISCCART	398030.00	3272720.00	26.82	26.82
DISCCART	397830.00	3271820.00	26.82	26.82	DISCCART	398030.00	3272820.00	26.82	26.82
DISCCART	397830.00	3271920.00	26.52	26.52	DISCCART	398030.00	3272920.00	26.82	26.82
DISCCART	397830.00	3272020.00	26.72	26.72	DISCCART	398030.00	3273020.00	26.82	26.82
DISCCART	397830.00	3272120.00	26.72	26.72	DISCCART	398030.00	3273120.00	27.64	27.64
DISCCART	397830.00	3272220.00	26.82	26.82	DISCCART	398030.00	3273220.00	27.03	27.03
DISCCART	397830.00	3272320.00	26.82	26.82	DISCCART	398030.00	3273320.00	26.82	26.82
DISCCART	397830.00	3272420.00	26.82	26.82	DISCCART	398030.00	3273420.00	27.23	27.23
DISCCART	397830.00	3272520.00	26.82	26.82	DISCCART	398030.00	3273520.00	27.88	27.88
DISCCART	397830.00	3272620.00	26.82	26.82	DISCCART	398030.00	3273620.00	27.03	27.03
DISCCART	397830.00	3272720.00	26.82	26.82	DISCCART	398030.00	3273720.00	26.82	26.82
DISCCART	397830.00	3272820.00	26.82	26.82	DISCCART	398030.00	3273820.00	26.82	26.82
DISCCART	397830.00	3272920.00	26.82	26.82	DISCCART	398030.00	3273920.00	27.27	27.27
DISCCART	397830.00	3273020.00	26.82	26.82	DISCCART	398030.00	3274020.00	27.94	27.94
DISCCART	397830.00	3273120.00	26.82	26.82	DISCCART	398030.00	3274120.00	31.89	31.89
DISCCART	397830.00	3273220.00	26.82	26.82	DISCCART	398030.00	3274220.00	35.08	35.08
DISCCART	397830.00	3273320.00	29.16	29.16	DISCCART	398030.00	3274320.00	37.69	37.69
DISCCART	397830.00	3273420.00	29.87	29.87	DISCCART	398030.00	3274420.00	39.64	39.64
DISCCART	397830.00	3273520.00	30.78	30.78	DISCCART	398030.00	3274520.00	41.02	41.02
DISCCART	397830.00	3273620.00	30.68	30.68	DISCCART	398030.00	3274620.00	41.86	41.86
DISCCART	397830.00	3273720.00	28.65	28.65	DISCCART	398030.00	3274720.00	40.66	40.66
DISCCART	397830.00	3273820.00	31.39	31.39	DISCCART	398030.00	3274820.00	37.92	37.92
DISCCART	397830.00	3273920.00	34.04	34.04	DISCCART	398030.00	3274920.00	33.73	33.73
DISCCART	397830.00	3274020.00	34.44	34.44	DISCCART	398030.00	3275020.00	30.66	30.66
DISCCART	397830.00	3274120.00	35.56	35.56	DISCCART	398030.00	3275120.00	29.87	29.87
DISCCART	397830.00	3274220.00	36.17	36.17	DISCCART	398030.00	3275220.00	29.87	29.87
DISCCART	397830.00	3274320.00	38.40	38.40	DISCCART	398030.00	3275320.00	29.87	29.87
DISCCART	397830.00	3274420.00	40.03	40.03	DISCCART	398030.00	3275420.00	29.87	29.87
DISCCART	397830.00	3274520.00	40.84	40.84	DISCCART	398030.00	3275520.00	29.87	29.87
DISCCART	397830.00	3274620.00	41.76	41.76	DISCCART	398030.00	3275620.00	29.87	29.87
DISCCART	397830.00	3274720.00	41.96	41.96	DISCCART	398030.00	3275720.00	29.87	29.87
DISCCART	397830.00	3274820.00	39.01	39.01	DISCCART	398030.00	3275820.00	29.87	29.87
DISCCART	397830.00	3274920.00	35.36	35.36	DISCCART	398130.00	3271820.00	26.82	26.82
DISCCART	397830.00	3275020.00	35.56	35.56	DISCCART	398130.00	3271920.00	26.82	26.82
DISCCART	397830.00	3275120.00	32.31	32.31	DISCCART	398130.00	3272020.00	26.82	26.82
DISCCART	397830.00	3275220.00	30.18	30.18	DISCCART	398130.00	3272120.00	26.82	26.82
DISCCART	397830.00	3275320.00	29.87	29.87	DISCCART	398130.00	3272220.00	26.82	26.82
DISCCART	397830.00	3275420.00	29.87	29.87	DISCCART	398130.00	3272320.00	26.62	26.62
DISCCART	397830.00	3275520.00	29.87	29.87	DISCCART	398130.00	3272420.00	26.82	26.82
DISCCART	397830.00	3275620.00	29.87	29.87	DISCCART	398130.00	3272520.00	26.82	26.82
DISCCART	397830.00	3275720.00	29.87	29.87	DISCCART	398130.00	3272620.00	26.82	26.82
DISCCART	397830.00	3275820.00	29.87	29.87	DISCCART	398130.00	3272720.00	26.82	26.82
DISCCART	397930.00	3271820.00	26.82	26.82	DISCCART	398130.00	3272820.00	26.82	26.82
DISCCART	397930.00	3271920.00	26.72	26.72	DISCCART	398130.00	3272920.00	26.82	26.82
DISCCART	397930.00	3272020.00	26.64	26.64	DISCCART	398130.00	3273020.00	26.82	26.82
DISCCART	397930.00	3272120.00	26.82	26.82	DISCCART	398130.00	3273120.00	26.65	26.65
DISCCART	397930.00	3272220.00	26.72	26.72	DISCCART	398130.00	3273220.00	27.53	27.53
DISCCART	397930.00	3272320.00	26.66	26.66	DISCCART	398130.00	3273320.00	26.82	26.82
DISCCART	397930.00	3272420.00	26.82	26.82	DISCCART	398130.00	3273420.00	26.82	26.82
DISCCART	397930.00	3272520.00	26.82	26.82	DISCCART	398130.00	3273520.00	26.82	26.82
DISCCART	397930.00	3272620.00	26.77	26.77	DISCCART	398130.00	3273620.00	26.82	26.82
DISCCART	397930.00	3272720.00	26.77	26.77	DISCCART	398130.00	3273720.00	26.82	26.82
DISCCART	397930.00	3272820.00	26.82	26.82	DISCCART	398130.00	3273820.00	26.82	26.82
DISCCART	397930.00	3272920.00	26.82	26.82	DISCCART	398130.00	3273920.00	26.82	26.82
DISCCART	397930.00	3273020.00	26.82	26.82	DISCCART	398130.00	3274020.00	26.82	26.82
DISCCART	397930.00	3273120.00	26.82	26.82	DISCCART	398130.00	3274120.00	28.75	28.75
DISCCART	397930.00	3273220.00	26.96	26.96	DISCCART	398130.00	3274220.00	32.31	32.31
DISCCART	397930.00	3273320.00	27.14	27.14	DISCCART	398130.00	3274320.00	35.36	35.36
DISCCART	397930.00	3273420.00	30.58	30.58	DISCCART	398130.00	3274420.00	36.07	36.07
DISCCART	397930.00	3273520.00	30.24	30.24	DISCCART	398130.00	3274520.00	38.20	38.20
DISCCART	397930.00	3273620.00	29.87	29.87	DISCCART	398130.00	3274620.00	38.40	38.40
DISCCART	397930.00	3273720.00	27.43	27.43	DISCCART	398130.00	3274720.00	36.68	36.68
DISCCART	397930.00	3273820.00	28.65	28.65	DISCCART	398130.00	3274820.00	34.44	34.44
DISCCART	397930.00	3273920.00	30.29	30.29	DISCCART	398130.00	3274920.00	31.09	31.09
DISCCART	397930.00	3274020.00	30.78	30.78	DISCCART	398130.00	3275020.00	29.87	29.87
DISCCART	397930.00	3274120.00	33.97	33.97	DISCCART	398130.00	3275120.00	29.87	29.87
DISCCART	397930.00	3274220.00	36.59	36.59	DISCCART	398130.00	3275220.00	29.87	29.87
DISCCART	397930.00	3274320.00	38.71	38.71	DISCCART	398130.00	3275320.00	29.87	29.87
DISCCART	397930.00	3274420.00	40.91	40.91	DISCCART	398130.00	3275420.00	29.87	29.87
DISCCART	397930.00	3274520.00	42.96	42.96	DISCCART	398130.00	3275520.00	29.87	29.87

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

DISCCART	398630.00	3273520.00	28.82	28.82	DISCCART	398830.00	3274520.00	29.87	29.87
DISCCART	398630.00	3273620.00	29.95	29.95	DISCCART	398830.00	3274620.00	29.87	29.87
DISCCART	398630.00	3273720.00	27.43	27.43	DISCCART	398830.00	3274720.00	29.94	29.94
DISCCART	398630.00	3273820.00	31.79	31.79	DISCCART	398830.00	3274820.00	30.05	30.05
DISCCART	398630.00	3273920.00	35.05	35.05	DISCCART	398830.00	3274920.00	29.87	29.87
DISCCART	398630.00	3274020.00	39.42	39.42	DISCCART	398830.00	3275020.00	29.87	29.87
DISCCART	398630.00	3274120.00	41.58	41.58	DISCCART	398830.00	3275120.00	29.87	29.87
DISCCART	398630.00	3274220.00	41.65	41.65	DISCCART	398830.00	3275220.00	29.87	29.87
DISCCART	398630.00	3274320.00	36.88	36.88	DISCCART	398830.00	3275320.00	29.87	29.87
DISCCART	398630.00	3274420.00	30.80	30.80	DISCCART	398830.00	3275420.00	29.87	29.87
DISCCART	398630.00	3274520.00	29.93	29.93	DISCCART	398830.00	3275520.00	29.87	29.87
DISCCART	398630.00	3274620.00	30.18	30.18	DISCCART	398830.00	3275620.00	29.87	29.87
DISCCART	398630.00	3274720.00	29.87	29.87	DISCCART	398830.00	3275720.00	29.87	29.87
DISCCART	398630.00	3274820.00	29.87	29.87	DISCCART	398830.00	3275820.00	29.87	29.87
DISCCART	398630.00	3274920.00	29.87	29.87	DISCCART	398930.00	3271820.00	36.67	36.67
DISCCART	398630.00	3275020.00	29.87	29.87	DISCCART	398930.00	3271920.00	31.50	31.50
DISCCART	398630.00	3275120.00	29.87	29.87	DISCCART	398930.00	3272020.00	29.25	29.25
DISCCART	398630.00	3275220.00	29.67	29.87	DISCCART	398930.00	3272120.00	25.77	25.77
DISCCART	398630.00	3275320.00	29.87	29.87	DISCCART	398930.00	3272220.00	28.06	28.06
DISCCART	398630.00	3275420.00	29.87	29.87	DISCCART	398930.00	3272320.00	30.91	30.91
DISCCART	398630.00	3275520.00	29.87	29.87	DISCCART	398930.00	3272420.00	33.21	33.21
DISCCART	398630.00	3275620.00	29.78	29.76	DISCCART	398930.00	3272520.00	34.44	34.44
DISCCART	398630.00	3275720.00	29.87	29.87	DISCCART	398930.00	3272620.00	30.55	32.00
DISCCART	398630.00	3275820.00	29.87	29.87	DISCCART	398930.00	3272720.00	27.00	27.00
DISCCART	398730.00	3271820.00	31.60	31.80	DISCCART	398930.00	3272820.00	30.48	30.48
DISCCART	398730.00	3271920.00	29.57	29.57	DISCCART	398930.00	3272920.00	34.10	34.10
DISCCART	398730.00	3272020.00	27.84	27.84	DISCCART	398930.00	3273020.00	30.58	30.58
DISCCART	398730.00	3272120.00	29.36	29.36	DISCCART	398930.00	3273120.00	28.35	28.35
DISCCART	398730.00	3272220.00	29.57	29.57	DISCCART	398930.00	3273220.00	28.85	28.85
DISCCART	398730.00	3272320.00	27.74	27.74	DISCCART	398930.00	3273320.00	32.47	32.47
DISCCART	398730.00	3272420.00	26.82	26.82	DISCCART	398930.00	3273420.00	35.66	35.66
DISCCART	398730.00	3272520.00	28.82	26.82	DISCCART	398930.00	3273520.00	36.01	36.01
DISCCART	398730.00	3272620.00	26.82	26.82	DISCCART	398930.00	3273620.00	33.89	33.89
DISCCART	398730.00	3272720.00	26.82	26.82	DISCCART	398930.00	3273720.00	31.80	31.80
DISCCART	398730.00	3272820.00	28.82	26.82	DISCCART	398930.00	3273820.00	30.52	30.52
DISCCART	398730.00	3272920.00	29.06	29.06	DISCCART	398930.00	3273920.00	32.90	32.90
DISCCART	398730.00	3273020.00	31.90	31.90	DISCCART	398930.00	3274020.00	37.59	37.59
DISCCART	398730.00	3273120.00	29.28	29.26	DISCCART	398930.00	3274120.00	37.82	37.82
DISCCART	398730.00	3273220.00	26.82	26.82	DISCCART	398930.00	3274220.00	33.35	33.35
DISCCART	398730.00	3273320.00	27.53	27.53	DISCCART	398930.00	3274320.00	29.97	29.97
DISCCART	398730.00	3273420.00	26.82	26.82	DISCCART	398930.00	3274420.00	29.87	29.87
DISCCART	398730.00	3273520.00	27.13	27.13	DISCCART	398930.00	3274520.00	29.87	29.87
DISCCART	398730.00	3273620.00	28.55	28.55	DISCCART	398930.00	3274620.00	29.87	29.87
DISCCART	398730.00	3273720.00	31.70	31.70	DISCCART	398930.00	3274720.00	29.87	29.87
DISCCART	398730.00	3273820.00	33.22	33.22	DISCCART	398930.00	3274820.00	30.42	30.42
DISCCART	398730.00	3273920.00	35.66	35.66	DISCCART	398930.00	3274920.00	29.87	29.87
DISCCART	398730.00	3274020.00	38.40	38.40	DISCCART	398930.00	3275020.00	29.87	29.87
DISCCART	398730.00	3274120.00	39.73	39.73	DISCCART	398930.00	3275120.00	29.87	29.87
DISCCART	398730.00	3274220.00	40.13	40.13	DISCCART	398930.00	3275220.00	29.87	29.87
DISCCART	398730.00	3274320.00	35.97	35.97	DISCCART	398930.00	3275320.00	29.94	29.94
DISCCART	398730.00	3274420.00	29.87	29.87	DISCCART	398930.00	3275420.00	29.87	29.87
DISCCART	398730.00	3274520.00	29.87	29.87	DISCCART	398930.00	3275520.00	29.87	29.87
DISCCART	398730.00	3274620.00	29.87	29.87	DISCCART	398930.00	3275620.00	29.87	29.87
DISCCART	398730.00	3274720.00	30.58	30.58	DISCCART	398930.00	3275720.00	29.87	29.87
DISCCART	398730.00	3274820.00	29.87	29.87	DISCCART	398930.00	3275820.00	29.87	29.87
DISCCART	398730.00	3274920.00	29.87	29.87	DISCCART	399030.00	3271820.00	34.34	34.34
DISCCART	398730.00	3275020.00	29.87	29.87	DISCCART	399030.00	3271920.00	31.39	31.39
DISCCART	398730.00	3275120.00	29.87	29.87	DISCCART	399030.00	3272020.00	29.46	29.46
DISCCART	398730.00	3275220.00	29.87	29.87	DISCCART	399030.00	3272120.00	25.70	25.70
DISCCART	398730.00	3275320.00	29.87	29.87	DISCCART	399030.00	3272220.00	28.04	28.04
DISCCART	398730.00	3275420.00	29.87	29.87	DISCCART	399030.00	3272320.00	32.00	32.00
DISCCART	398730.00	3275520.00	29.87	29.87	DISCCART	399030.00	3272420.00	34.54	34.54
DISCCART	398730.00	3275620.00	29.87	29.87	DISCCART	399030.00	3272520.00	35.66	35.66
DISCCART	398730.00	3275720.00	29.87	29.87	DISCCART	399030.00	3272620.00	31.80	31.80
DISCCART	398730.00	3275820.00	29.87	29.87	DISCCART	399030.00	3272720.00	29.46	29.46
DISCCART	398830.00	3271820.00	36.43	36.43	DISCCART	399030.00	3272820.00	27.13	27.13
DISCCART	398830.00	3271920.00	32.31	32.31	DISCCART	399030.00	3272920.00	31.50	31.50
DISCCART	398830.00	3272020.00	31.16	31.16	DISCCART	399030.00	3273020.00	28.14	30.18
DISCCART	398830.00	3272120.00	29.89	29.89	DISCCART	399030.00	3273120.00	27.74	27.74
DISCCART	398830.00	3272220.00	30.78	30.78	DISCCART	399030.00	3273220.00	30.38	30.38
DISCCART	398830.00	3272320.00	30.22	30.22	DISCCART	399030.00	3273320.00	33.22	33.22
DISCCART	398830.00	3272420.00	30.15	30.15	DISCCART	399030.00	3273420.00	38.40	38.40
DISCCART	398830.00	3272520.00	27.94	27.94	DISCCART	399030.00	3273520.00	38.20	38.20
DISCCART	398830.00	3272620.00	26.82	26.82	DISCCART	399030.00	3273620.00	36.58	36.58
DISCCART	398830.00	3272720.00	26.82	26.82	DISCCART	399030.00	3273720.00	35.66	35.66
DISCCART	398830.00	3272820.00	27.64	27.64	DISCCART	399030.00	3273820.00	34.34	34.34
DISCCART	398830.00	3272920.00	31.89	31.89	DISCCART	399030.00	3273920.00	32.82	32.82
DISCCART	398830.00	3273020.00	31.45	31.45	DISCCART	399030.00	3274020.00	35.05	35.05
DISCCART	398830.00	3273120.00	29.26	29.26	DISCCART	399030.00	3274120.00	34.85	34.85
DISCCART	398830.00	3273220.00	27.43	27.43	DISCCART	399030.00	3274220.00	30.28	30.28
DISCCART	398830.00	3273320.00	29.76	29.76	DISCCART	399030.00	3274320.00	29.87	29.87
DISCCART	398830.00	3273420.00	31.29	31.29	DISCCART	399030.00	3274420.00	29.87	29.87
DISCCART	398830.00	3273520.00	31.91	31.91	DISCCART	399030.00	3274520.00	29.87	29.87
DISCCART	398830.00	3273620.00	30.01	30.01	DISCCART	399030.00	3274620.00	29.87	29.87
DISCCART	398830.00	3273720.00	28.45	28.45	DISCCART	399030.00	3274720.00	29.87	29.87
DISCCART	398830.00	3273820.00	31.53	31.53	DISCCART	399030.00	3274820.00	29.87	29.87
DISCCART	398830.00	3273920.00	34.36	34.36	DISCCART	399030.00	3274920.00	30.48	30.48
DISCCART	398830.00	3274020.00	36.37	36.37	DISCCART	399030.00	3275020.00	29.87	29.87
DISCCART	398830.00	3274120.00	38.60	38.60	DISCCART	399030.00	3275120.00	29.87	29.87
DISCCART	398830.00	3274220.00	37.96	37.96	DISCCART	399030.00	3275220.00	31.09	31.09
DISCCART	398830.00	3274320.00	33.93	33.93	DISCCART	399030.00	3275320.00	31.50	31.50
DISCCART	398830.00	3274420.00	29.87	29.87	DISCCART	399030.00	3275420.00	31.50	31.50

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

DISCCART	399030.00	3275520.00	31.39	31.39	DISCCART	399330.00	3273120.00	31.39	31.39
DISCCART	399030.00	3275620.00	30.38	30.38	DISCCART	399330.00	3273220.00	35.48	35.48
DISCCART	399030.00	3275720.00	30.68	30.68	DISCCART	399330.00	3274220.00	31.90	31.90
DISCCART	399030.00	3275820.00	30.48	30.48	DISCCART	399330.00	3274320.00	29.87	29.87
DISCCART	399130.00	3271820.00	34.94	34.94	DISCCART	399330.00	3274420.00	29.87	29.87
DISCCART	399130.00	3271920.00	32.51	32.51	DISCCART	399330.00	3274520.00	29.87	29.87
DISCCART	399130.00	3272020.00	29.68	29.68	DISCCART	399330.00	3274620.00	29.87	29.87
DISCCART	399130.00	3272120.00	28.18	28.18	DISCCART	399330.00	3274720.00	29.87	29.87
DISCCART	399130.00	3272220.00	30.38	30.38	DISCCART	399330.00	3274820.00	29.87	29.87
DISCCART	399130.00	3272320.00	31.91	31.91	DISCCART	399330.00	3274920.00	34.14	34.14
DISCCART	399130.00	3272420.00	32.14	32.14	DISCCART	399330.00	3275020.00	36.07	36.07
DISCCART	399130.00	3272520.00	35.26	35.26	DISCCART	399330.00	3275120.00	37.19	37.19
DISCCART	399130.00	3272620.00	32.89	32.89	DISCCART	399330.00	3275220.00	39.01	39.01
DISCCART	399130.00	3272720.00	29.14	29.14	DISCCART	399330.00	3275320.00	40.03	40.03
DISCCART	399130.00	3272820.00	26.82	26.82	DISCCART	399330.00	3275420.00	37.08	37.08
DISCCART	399130.00	3272920.00	27.00	27.00	DISCCART	399330.00	3275520.00	35.66	35.66
DISCCART	399130.00	3273020.00	26.82	26.82	DISCCART	399330.00	3275620.00	36.17	36.17
DISCCART	399130.00	3273120.00	26.82	26.82	DISCCART	399330.00	3275720.00	36.98	36.98
DISCCART	399130.00	3273220.00	29.71	29.71	DISCCART	399330.00	3275820.00	33.83	33.83
DISCCART	399130.00	3273320.00	34.86	34.86	DISCCART	399430.00	3271820.00	33.72	33.72
DISCCART	399130.00	3273420.00	40.64	40.64	DISCCART	399430.00	3271920.00	32.00	32.00
DISCCART	399130.00	3273520.00	40.91	40.91	DISCCART	399430.00	3272020.00	33.03	33.03
DISCCART	399130.00	3273620.00	40.73	40.73	DISCCART	399430.00	3272120.00	32.06	32.06
DISCCART	399130.00	3273720.00	39.62	39.62	DISCCART	399430.00	3272220.00	32.82	32.82
DISCCART	399130.00	3273820.00	38.97	38.97	DISCCART	399430.00	3272320.00	32.97	32.97
DISCCART	399130.00	3273920.00	38.14	38.14	DISCCART	399430.00	3272420.00	31.77	31.77
DISCCART	399130.00	3274020.00	32.72	32.72	DISCCART	399430.00	3272520.00	33.02	33.02
DISCCART	399130.00	3274120.00	30.31	30.31	DISCCART	399430.00	3272620.00	35.37	35.37
DISCCART	399130.00	3274220.00	29.87	29.87	DISCCART	399430.00	3272720.00	34.28	34.28
DISCCART	399130.00	3274320.00	29.87	29.87	DISCCART	399430.00	3272820.00	30.48	30.48
DISCCART	399130.00	3274420.00	29.87	29.87	DISCCART	399430.00	3272920.00	27.31	27.31
DISCCART	399130.00	3274520.00	29.87	29.87	DISCCART	399430.00	3273020.00	29.68	29.68
DISCCART	399130.00	3274620.00	29.87	29.87	DISCCART	399430.00	3273120.00	31.90	31.90
DISCCART	399130.00	3274720.00	29.87	29.87	DISCCART	399430.00	3273220.00	35.37	35.37
DISCCART	399130.00	3274820.00	29.87	29.87	DISCCART	399430.00	3274220.00	35.44	35.44
DISCCART	399130.00	3274920.00	30.99	30.99	DISCCART	399430.00	3274320.00	31.90	31.90
DISCCART	399130.00	3275020.00	31.82	31.82	DISCCART	399430.00	3274420.00	29.87	29.87
DISCCART	399130.00	3275120.00	32.70	32.70	DISCCART	399430.00	3274520.00	29.87	29.87
DISCCART	399130.00	3275220.00	34.85	34.85	DISCCART	399430.00	3274620.00	29.87	29.87
DISCCART	399130.00	3275320.00	36.05	36.05	DISCCART	399430.00	3274720.00	29.87	29.87
DISCCART	399130.00	3275420.00	34.87	34.87	DISCCART	399430.00	3274820.00	31.05	31.05
DISCCART	399130.00	3275520.00	33.73	33.73	DISCCART	399430.00	3274920.00	35.97	35.97
DISCCART	399130.00	3275620.00	32.61	32.61	DISCCART	399430.00	3275020.00	38.47	38.47
DISCCART	399130.00	3275720.00	32.36	32.36	DISCCART	399430.00	3275120.00	39.88	39.88
DISCCART	399130.00	3275820.00	32.41	32.41	DISCCART	399430.00	3275220.00	41.66	41.66
DISCCART	399230.00	3271820.00	34.33	34.33	DISCCART	399430.00	3275320.00	41.09	41.09
DISCCART	399230.00	3271920.00	33.53	33.53	DISCCART	399430.00	3275420.00	41.54	41.54
DISCCART	399230.00	3272020.00	29.86	29.86	DISCCART	399430.00	3275520.00	40.34	40.34
DISCCART	399230.00	3272120.00	26.96	26.96	DISCCART	399430.00	3275620.00	39.51	39.51
DISCCART	399230.00	3272220.00	32.21	32.21	DISCCART	399430.00	3275720.00	39.44	39.44
DISCCART	399230.00	3272320.00	33.72	33.72	DISCCART	399430.00	3275820.00	37.08	37.08
DISCCART	399230.00	3272420.00	32.90	32.90	DISCCART	399530.00	3271820.00	32.15	32.15
DISCCART	399230.00	3272520.00	33.93	33.93	DISCCART	399530.00	3271920.00	31.50	31.50
DISCCART	399230.00	3272620.00	31.64	31.64	DISCCART	399530.00	3272020.00	33.47	33.47
DISCCART	399230.00	3272720.00	28.82	28.82	DISCCART	399530.00	3272120.00	33.04	33.04
DISCCART	399230.00	3272820.00	26.82	26.82	DISCCART	399530.00	3272220.00	32.41	32.41
DISCCART	399230.00	3272920.00	26.82	26.82	DISCCART	399530.00	3272320.00	32.02	32.02
DISCCART	399230.00	3273020.00	26.82	26.82	DISCCART	399530.00	3272420.00	31.37	31.37
DISCCART	399230.00	3273120.00	28.45	28.45	DISCCART	399530.00	3272520.00	33.93	33.93
DISCCART	399230.00	3273220.00	32.95	32.95	DISCCART	399530.00	3272620.00	35.40	35.40
DISCCART	399230.00	3274020.00	35.76	35.76	DISCCART	399530.00	3272720.00	33.43	33.43
DISCCART	399230.00	3274120.00	32.72	32.72	DISCCART	399530.00	3272820.00	28.24	28.24
DISCCART	399230.00	3274220.00	30.01	30.01	DISCCART	399530.00	3272920.00	28.29	28.29
DISCCART	399230.00	3274320.00	29.87	29.87	DISCCART	399530.00	3273020.00	30.41	30.41
DISCCART	399230.00	3274420.00	29.87	29.87	DISCCART	399530.00	3273120.00	31.90	31.90
DISCCART	399230.00	3274520.00	29.87	29.87	DISCCART	399530.00	3273220.00	34.21	34.21
DISCCART	399230.00	3274620.00	29.87	29.87	DISCCART	399530.00	3274320.00	34.64	34.64
DISCCART	399230.00	3274720.00	29.87	29.87	DISCCART	399530.00	3274420.00	32.90	32.90
DISCCART	399230.00	3274820.00	29.87	29.87	DISCCART	399530.00	3274520.00	30.38	30.38
DISCCART	399230.00	3274920.00	32.82	32.82	DISCCART	399530.00	3274620.00	29.87	29.87
DISCCART	399230.00	3275020.00	33.22	33.22	DISCCART	399530.00	3274720.00	29.87	29.87
DISCCART	399230.00	3275120.00	35.63	35.63	DISCCART	399530.00	3274820.00	31.93	31.93
DISCCART	399230.00	3275220.00	36.98	36.98	DISCCART	399530.00	3274920.00	37.49	37.49
DISCCART	399230.00	3275320.00	39.57	39.57	DISCCART	399530.00	3275020.00	40.23	40.23
DISCCART	399230.00	3275420.00	36.90	36.90	DISCCART	399530.00	3275120.00	41.81	41.81
DISCCART	399230.00	3275520.00	34.85	34.85	DISCCART	399530.00	3275220.00	43.38	43.38
DISCCART	399230.00	3275620.00	34.19	34.19	DISCCART	399530.00	3275320.00	44.50	44.50
DISCCART	399230.00	3275720.00	34.30	34.30	DISCCART	399530.00	3275420.00	45.96	45.96
DISCCART	399230.00	3275820.00	34.04	34.04	DISCCART	399530.00	3275520.00	44.09	44.09
DISCCART	399330.00	3271820.00	34.14	34.14	DISCCART	399530.00	3275620.00	41.94	41.94
DISCCART	399330.00	3271920.00	32.61	32.61	DISCCART	399530.00	3275720.00	41.76	41.76
DISCCART	399330.00	3272020.00	31.50	31.50	DISCCART	399530.00	3275820.00	39.73	39.73
DISCCART	399330.00	3272120.00	29.67	29.67	DISCCART	399630.00	3271820.00	30.07	30.07
DISCCART	399330.00	3272220.00	32.31	32.31	DISCCART	399630.00	3271920.00	31.09	31.09
DISCCART	399330.00	3272320.00	34.04	34.04	DISCCART	399630.00	3272020.00	32.41	32.41
DISCCART	399330.00	3272420.00	33.53	33.53	DISCCART	399630.00	3272120.00	32.41	32.41
DISCCART	399330.00	3272520.00	32.82	32.82	DISCCART	399630.00	3272220.00	30.48	30.48
DISCCART	399330.00	3272620.00	32.41	32.41	DISCCART	399630.00	3272320.00	31.09	31.09
DISCCART	399330.00	3272720.00	32.41	32.41	DISCCART	399630.00	3272420.00	32.51	32.51
DISCCART	399330.00	3272820.00	29.87	29.87	DISCCART	399630.00	3272520.00	33.22	33.22
DISCCART	399330.00	3272920.00	26.92	26.92	DISCCART	399630.00	3272620.00	33.02	33.02
DISCCART	399330.00	3273020.00	28.55	28.55	DISCCART	399630.00	3272720.00	30.48	30.48

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

DISCCART	399630.00	3272820.00	26.21	26.21	DISCCART	399830.00	3275320.00	46.83	46.83
DISCCART	399630.00	3272920.00	28.96	28.96	DISCCART	399830.00	3275420.00	48.55	48.55
DISCCART	399630.00	3273020.00	30.99	30.99	DISCCART	399830.00	3275520.00	48.36	48.36
DISCCART	399630.00	3273120.00	31.70	31.70	DISCCART	399830.00	3275620.00	47.38	47.38
DISCCART	399630.00	3273220.00	31.19	31.19	DISCCART	399830.00	3275720.00	49.36	49.36
DISCCART	399630.00	3274320.00	37.19	37.19	DISCCART	399830.00	3275820.00	52.53	52.53
DISCCART	399630.00	3274420.00	34.75	34.75	DISCCART	399930.00	3271820.00	29.06	29.06
DISCCART	399630.00	3274520.00	31.39	31.39	DISCCART	399930.00	3271920.00	27.13	27.13
DISCCART	399630.00	3274620.00	30.48	30.48	DISCCART	399930.00	3272020.00	30.38	30.38
DISCCART	399630.00	3274720.00	30.18	30.18	DISCCART	399930.00	3272120.00	30.89	30.89
DISCCART	399630.00	3274820.00	30.18	30.18	DISCCART	399930.00	3272220.00	28.04	28.04
DISCCART	399630.00	3274920.00	35.97	35.97	DISCCART	399930.00	3272320.00	25.81	25.81
DISCCART	399630.00	3275020.00	40.03	40.03	DISCCART	399930.00	3272420.00	26.01	26.01
DISCCART	399630.00	3275120.00	42.47	42.47	DISCCART	399930.00	3272520.00	25.30	25.30
DISCCART	399630.00	3275220.00	46.63	46.63	DISCCART	399930.00	3272620.00	25.30	25.30
DISCCART	399630.00	3275320.00	47.65	47.65	DISCCART	399930.00	3272720.00	25.30	25.30
DISCCART	399630.00	3275420.00	48.87	48.87	DISCCART	399930.00	3272820.00	28.04	28.04
DISCCART	399630.00	3275520.00	46.63	46.63	DISCCART	399830.00	3272920.00	31.50	31.50
DISCCART	399630.00	3275620.00	44.70	44.70	DISCCART	399930.00	3273020.00	34.24	34.24
DISCCART	399630.00	3275720.00	44.81	44.81	DISCCART	399930.00	3273120.00	34.75	34.75
DISCCART	399630.00	3275820.00	44.50	44.50	DISCCART	399930.00	3273220.00	36.07	36.07
DISCCART	399730.00	3271820.00	32.42	32.42	DISCCART	399930.00	3273320.00	36.68	36.68
DISCCART	399730.00	3271920.00	30.78	30.78	DISCCART	399930.00	3273420.00	37.19	37.19
DISCCART	399730.00	3272020.00	32.43	32.43	DISCCART	399930.00	3273520.00	39.42	39.42
DISCCART	399730.00	3272120.00	32.18	32.18	DISCCART	399930.00	3273620.00	38.71	38.71
DISCCART	399730.00	3272220.00	29.87	29.87	DISCCART	399930.00	3273720.00	38.40	38.40
DISCCART	399730.00	3272320.00	31.03	31.03	DISCCART	399930.00	3273820.00	39.01	39.01
DISCCART	399730.00	3272420.00	32.36	32.36	DISCCART	399930.00	3273920.00	39.93	39.93
DISCCART	399730.00	3272520.00	29.77	29.77	DISCCART	399930.00	3274020.00	39.32	39.32
DISCCART	399730.00	3272620.00	28.10	28.10	DISCCART	399930.00	3274120.00	38.81	38.81
DISCCART	399730.00	3272720.00	26.17	26.17	DISCCART	399930.00	3274220.00	40.84	40.84
DISCCART	399730.00	3272820.00	27.74	27.74	DISCCART	399930.00	3274320.00	38.10	38.10
DISCCART	399730.00	3272920.00	29.94	29.94	DISCCART	399930.00	3274420.00	35.66	35.66
DISCCART	399730.00	3273020.00	30.04	30.04	DISCCART	399930.00	3274520.00	34.34	34.34
DISCCART	399730.00	3273120.00	29.87	29.87	DISCCART	399930.00	3274620.00	35.05	35.05
DISCCART	399730.00	3273220.00	29.29	29.29	DISCCART	399930.00	3274720.00	32.72	32.72
DISCCART	399730.00	3273320.00	30.76	30.76	DISCCART	399930.00	3274820.00	30.18	30.18
DISCCART	399730.00	3273420.00	32.61	32.61	DISCCART	399930.00	3274920.00	32.92	32.92
DISCCART	399730.00	3273520.00	34.04	34.04	DISCCART	399930.00	3275020.00	35.46	35.46
DISCCART	399730.00	3273620.00	35.07	35.07	DISCCART	399930.00	3275120.00	38.00	38.00
DISCCART	399730.00	3273720.00	29.97	29.97	DISCCART	399930.00	3275220.00	40.54	40.54
DISCCART	399730.00	3273820.00	34.51	34.51	DISCCART	399930.00	3275320.00	44.70	44.70
DISCCART	399730.00	3274420.00	34.05	34.05	DISCCART	399930.00	3275420.00	45.82	45.82
DISCCART	399730.00	3274520.00	32.92	32.92	DISCCART	399930.00	3275520.00	47.55	47.55
DISCCART	399730.00	3274620.00	31.39	31.39	DISCCART	399930.00	3275620.00	49.68	49.68
DISCCART	399730.00	3274720.00	29.87	29.87	DISCCART	399930.00	3275720.00	52.73	52.73
DISCCART	399730.00	3274820.00	29.94	29.94	DISCCART	399930.00	3275820.00	55.17	55.17
DISCCART	399730.00	3274920.00	34.95	34.95	DISCCART	400030.00	3271820.00	25.30	25.30
DISCCART	399730.00	3275020.00	38.85	38.85	DISCCART	400030.00	3271920.00	25.30	25.30
DISCCART	399730.00	3275120.00	41.44	41.44	DISCCART	400030.00	3272020.00	26.31	26.31
DISCCART	399730.00	3275220.00	45.92	45.92	DISCCART	400030.00	3272120.00	28.11	28.11
DISCCART	399730.00	3275320.00	48.46	48.46	DISCCART	400030.00	3272220.00	25.30	25.30
DISCCART	399730.00	3275420.00	50.78	50.78	DISCCART	400030.00	3272320.00	25.30	25.30
DISCCART	399730.00	3275520.00	48.77	48.77	DISCCART	400030.00	3272420.00	25.30	25.30
DISCCART	399730.00	3275620.00	45.97	45.97	DISCCART	400030.00	3272520.00	25.30	25.30
DISCCART	399730.00	3275720.00	47.30	47.30	DISCCART	400030.00	3272620.00	25.30	25.30
DISCCART	399730.00	3275820.00	49.38	49.38	DISCCART	400030.00	3272720.00	25.30	25.30
DISCCART	399830.00	3271820.00	31.19	31.19	DISCCART	400030.00	3272820.00	25.30	25.30
DISCCART	399830.00	3271920.00	32.00	32.00	DISCCART	400030.00	3272920.00	28.71	28.71
DISCCART	399830.00	3272020.00	32.49	32.49	DISCCART	400030.00	3273020.00	32.96	32.96
DISCCART	399830.00	3272120.00	32.02	32.02	DISCCART	400030.00	3273120.00	37.29	37.29
DISCCART	399830.00	3272220.00	29.77	29.77	DISCCART	400030.00	3273220.00	40.12	40.12
DISCCART	399830.00	3272320.00	31.20	31.20	DISCCART	400030.00	3273320.00	38.45	38.45
DISCCART	399830.00	3272420.00	31.21	31.21	DISCCART	400030.00	3273420.00	36.88	36.88
DISCCART	399830.00	3272520.00	29.36	29.36	DISCCART	400030.00	3273520.00	39.07	39.07
DISCCART	399830.00	3272620.00	27.61	27.61	DISCCART	400030.00	3273620.00	39.19	39.19
DISCCART	399830.00	3272720.00	25.41	25.41	DISCCART	400030.00	3273720.00	37.39	37.39
DISCCART	399830.00	3272820.00	29.26	29.26	DISCCART	400030.00	3273820.00	36.82	36.82
DISCCART	399830.00	3272920.00	31.52	31.52	DISCCART	400030.00	3273920.00	37.35	37.35
DISCCART	399830.00	3273020.00	31.92	31.92	DISCCART	400030.00	3274020.00	37.19	37.19
DISCCART	399830.00	3273120.00	29.77	29.77	DISCCART	400030.00	3274120.00	38.90	38.90
DISCCART	399830.00	3273220.00	31.14	31.14	DISCCART	400030.00	3274220.00	38.34	38.34
DISCCART	399830.00	3273320.00	33.15	33.15	DISCCART	400030.00	3274320.00	40.94	40.94
DISCCART	399830.00	3273420.00	35.05	35.05	DISCCART	400030.00	3274420.00	38.64	38.64
DISCCART	399830.00	3273520.00	36.76	36.76	DISCCART	400030.00	3274520.00	37.44	37.44
DISCCART	399830.00	3273620.00	36.22	36.22	DISCCART	400030.00	3274620.00	35.15	35.15
DISCCART	399830.00	3273720.00	33.53	33.53	DISCCART	400030.00	3274720.00	31.57	31.57
DISCCART	399830.00	3273820.00	35.34	35.34	DISCCART	400030.00	3274820.00	32.40	32.40
DISCCART	399830.00	3273920.00	37.35	37.35	DISCCART	400030.00	3274920.00	34.54	34.54
DISCCART	399830.00	3274020.00	35.46	35.46	DISCCART	400030.00	3275020.00	33.90	33.90
DISCCART	399830.00	3274120.00	38.34	38.34	DISCCART	400030.00	3275120.00	38.58	38.58
DISCCART	399830.00	3274220.00	38.39	38.39	DISCCART	400030.00	3275220.00	40.64	40.64
DISCCART	399830.00	3274320.00	37.39	37.39	DISCCART	400030.00	3275320.00	43.59	43.59
DISCCART	399830.00	3274420.00	36.01	36.01	DISCCART	400030.00	3275420.00	45.10	45.10
DISCCART	399830.00	3274520.00	32.35	32.35	DISCCART	400030.00	3275520.00	48.06	48.06
DISCCART	399830.00	3274620.00	31.70	31.70	DISCCART	400030.00	3275620.00	51.21	51.21
DISCCART	399830.00	3274720.00	30.05	30.05	DISCCART	400030.00	3275720.00	54.06	54.06
DISCCART	399830.00	3274820.00	29.87	29.87	DISCCART	400030.00	3275820.00	55.47	55.47
DISCCART	399830.00	3274920.00	34.24	34.24	DISCCART	400130.00	3271820.00	25.30	25.30
DISCCART	399830.00	3275020.00	37.38	37.38	DISCCART	400130.00	3271920.00	25.30	25.30
DISCCART	399830.00	3275120.00	40.29	40.29	DISCCART	400130.00	3272020.00	25.30	25.30
DISCCART	399830.00	3275220.00	43.89	43.89	DISCCART	400130.00	3272120.00	25.46	25.46

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

DISCCART	400130.00	3272220.00	25.30	25.30	DISCCART	400330.00	3273220.00	35.90	35.90
DISCCART	400130.00	3272320.00	25.30	25.30	DISCCART	400330.00	3273320.00	34.51	34.51
DISCCART	400130.00	3272420.00	25.30	25.30	DISCCART	400330.00	3273420.00	33.73	33.73
DISCCART	400130.00	3272520.00	25.30	25.30	DISCCART	400330.00	3273520.00	33.74	33.74
DISCCART	400130.00	3272620.00	25.30	25.30	DISCCART	400330.00	3273620.00	33.17	33.17
DISCCART	400130.00	3272720.00	25.30	25.30	DISCCART	400330.00	3273720.00	28.85	28.85
DISCCART	400130.00	3272820.00	25.30	25.30	DISCCART	400330.00	3273820.00	27.56	27.56
DISCCART	400130.00	3272920.00	25.96	25.96	DISCCART	400330.00	3273920.00	31.14	31.14
DISCCART	400130.00	3273020.00	30.96	30.96	DISCCART	400330.00	3274020.00	26.82	26.82
DISCCART	400130.00	3273120.00	35.46	35.46	DISCCART	400330.00	3274120.00	30.76	30.76
DISCCART	400130.00	3273220.00	39.80	39.80	DISCCART	400330.00	3274220.00	35.88	35.88
DISCCART	400130.00	3273320.00	34.04	34.04	DISCCART	400330.00	3274320.00	35.58	35.58
DISCCART	400130.00	3273420.00	29.67	29.67	DISCCART	400330.00	3274420.00	36.79	36.79
DISCCART	400130.00	3273520.00	32.84	32.84	DISCCART	400330.00	3274520.00	32.92	32.92
DISCCART	400130.00	3273620.00	34.51	34.51	DISCCART	400330.00	3274620.00	42.57	42.57
DISCCART	400130.00	3273720.00	34.65	34.65	DISCCART	400330.00	3274720.00	38.25	38.25
DISCCART	400130.00	3273820.00	34.08	34.08	DISCCART	400330.00	3274820.00	41.40	41.40
DISCCART	400130.00	3273920.00	35.36	35.36	DISCCART	400330.00	3274920.00	43.48	43.48
DISCCART	400130.00	3274020.00	38.20	38.20	DISCCART	400330.00	3275020.00	43.39	43.39
DISCCART	400130.00	3274120.00	37.99	37.99	DISCCART	400330.00	3275120.00	43.35	43.35
DISCCART	400130.00	3274220.00	37.91	37.91	DISCCART	400330.00	3275220.00	44.70	44.70
DISCCART	400130.00	3274320.00	40.13	40.13	DISCCART	400330.00	3275320.00	46.04	46.04
DISCCART	400130.00	3274420.00	37.49	37.49	DISCCART	400330.00	3275420.00	46.81	46.81
DISCCART	400130.00	3274520.00	34.87	34.87	DISCCART	400330.00	3275520.00	48.26	48.26
DISCCART	400130.00	3274620.00	36.37	36.37	DISCCART	400330.00	3275620.00	50.98	50.98
DISCCART	400130.00	3274720.00	32.54	32.54	DISCCART	400330.00	3275720.00	52.30	52.30
DISCCART	400130.00	3274820.00	33.58	33.58	DISCCART	400330.00	3275820.00	53.04	53.04
DISCCART	400130.00	3274920.00	37.29	37.29	DISCCART	400430.00	3271820.00	25.86	25.86
DISCCART	400130.00	3275020.00	37.52	37.52	DISCCART	400430.00	3271920.00	25.30	25.30
DISCCART	400130.00	3275120.00	38.81	38.81	DISCCART	400430.00	3272020.00	25.91	25.91
DISCCART	400130.00	3275220.00	40.74	40.74	DISCCART	400430.00	3272120.00	25.80	25.80
DISCCART	400130.00	3275320.00	43.23	43.23	DISCCART	400430.00	3272220.00	25.30	25.30
DISCCART	400130.00	3275420.00	45.35	45.35	DISCCART	400430.00	3272320.00	25.12	25.12
DISCCART	400130.00	3275520.00	46.94	46.94	DISCCART	400430.00	3272420.00	25.30	25.30
DISCCART	400130.00	3275620.00	49.93	49.93	DISCCART	400430.00	3272520.00	25.30	25.30
DISCCART	400130.00	3275720.00	52.98	52.98	DISCCART	400430.00	3272620.00	25.30	25.30
DISCCART	400130.00	3275820.00	54.36	54.36	DISCCART	400430.00	3272720.00	25.30	25.30
DISCCART	400230.00	3271820.00	25.30	25.30	DISCCART	400430.00	3272820.00	25.40	25.40
DISCCART	400230.00	3271920.00	25.30	25.30	DISCCART	400430.00	3272920.00	27.81	27.81
DISCCART	400230.00	3272020.00	25.30	25.30	DISCCART	400430.00	3273020.00	29.33	29.33
DISCCART	400230.00	3272120.00	25.30	25.30	DISCCART	400430.00	3273120.00	31.09	31.09
DISCCART	400230.00	3272220.00	25.30	25.30	DISCCART	400430.00	3273220.00	32.09	32.09
DISCCART	400230.00	3272320.00	25.30	25.30	DISCCART	400430.00	3273320.00	33.08	33.08
DISCCART	400230.00	3272420.00	25.30	25.30	DISCCART	400430.00	3273420.00	35.66	35.66
DISCCART	400230.00	3272520.00	25.30	25.30	DISCCART	400430.00	3273520.00	38.18	38.18
DISCCART	400230.00	3272620.00	25.30	25.30	DISCCART	400430.00	3273620.00	35.73	35.73
DISCCART	400230.00	3272720.00	25.30	25.30	DISCCART	400430.00	3273720.00	31.09	31.09
DISCCART	400230.00	3272820.00	25.30	25.30	DISCCART	400430.00	3273820.00	26.82	26.82
DISCCART	400230.00	3272920.00	25.81	25.81	DISCCART	400430.00	3273920.00	29.15	29.15
DISCCART	400230.00	3273020.00	30.99	30.99	DISCCART	400430.00	3274020.00	29.87	29.87
DISCCART	400230.00	3273120.00	34.75	34.75	DISCCART	400430.00	3274120.00	31.81	31.81
DISCCART	400230.00	3273220.00	38.40	38.40	DISCCART	400430.00	3274220.00	32.92	32.92
DISCCART	400230.00	3273320.00	34.54	34.54	DISCCART	400430.00	3274320.00	35.36	35.36
DISCCART	400230.00	3273420.00	30.48	30.48	DISCCART	400430.00	3274420.00	39.53	39.53
DISCCART	400230.00	3273520.00	28.55	28.55	DISCCART	400430.00	3274520.00	36.92	41.15
DISCCART	400230.00	3273620.00	29.36	29.36	DISCCART	400430.00	3274620.00	40.23	40.23
DISCCART	400230.00	3273720.00	32.31	32.31	DISCCART	400430.00	3274720.00	37.01	37.01
DISCCART	400230.00	3273820.00	29.57	29.57	DISCCART	400430.00	3274820.00	43.45	43.45
DISCCART	400230.00	3273920.00	33.53	33.53	DISCCART	400430.00	3274920.00	46.94	46.94
DISCCART	400230.00	3274020.00	31.39	31.39	DISCCART	400430.00	3275020.00	46.07	46.07
DISCCART	400230.00	3274120.00	35.36	35.36	DISCCART	400430.00	3275120.00	44.83	44.83
DISCCART	400230.00	3274220.00	37.59	37.59	DISCCART	400430.00	3275220.00	48.43	48.43
DISCCART	400230.00	3274320.00	39.93	39.93	DISCCART	400430.00	3275320.00	47.85	47.85
DISCCART	400230.00	3274420.00	28.55	39.93	DISCCART	400430.00	3275420.00	48.89	48.89
DISCCART	400230.00	3274520.00	30.68	41.45	DISCCART	400430.00	3275520.00	48.87	48.87
DISCCART	400230.00	3274620.00	40.54	40.54	DISCCART	400430.00	3275620.00	50.85	50.85
DISCCART	400230.00	3274720.00	36.88	36.88	DISCCART	400430.00	3275720.00	50.11	50.11
DISCCART	400230.00	3274820.00	37.90	37.90	DISCCART	400430.00	3275820.00	52.22	52.22
DISCCART	400230.00	3274920.00	39.82	39.82	DISCCART	400530.00	3271820.00	25.30	25.30
DISCCART	400230.00	3275020.00	41.25	41.25	DISCCART	400530.00	3271920.00	25.30	25.30
DISCCART	400230.00	3275120.00	40.13	40.13	DISCCART	400530.00	3272020.00	28.52	28.52
DISCCART	400230.00	3275220.00	41.15	41.15	DISCCART	400530.00	3272120.00	25.30	25.30
DISCCART	400230.00	3275320.00	43.89	43.89	DISCCART	400530.00	3272220.00	25.30	25.30
DISCCART	400230.00	3275420.00	46.53	46.53	DISCCART	400530.00	3272320.00	25.10	25.10
DISCCART	400230.00	3275520.00	48.77	48.77	DISCCART	400530.00	3272420.00	25.30	25.30
DISCCART	400230.00	3275620.00	51.10	51.10	DISCCART	400530.00	3272520.00	25.30	25.30
DISCCART	400230.00	3275720.00	52.32	52.32	DISCCART	400530.00	3272620.00	25.30	25.30
DISCCART	400230.00	3275820.00	53.64	53.64	DISCCART	400530.00	3272720.00	25.30	25.30
DISCCART	400330.00	3271820.00	25.92	25.92	DISCCART	400530.00	3272820.00	25.30	25.30
DISCCART	400330.00	3271920.00	25.70	25.70	DISCCART	400530.00	3272920.00	26.62	26.62
DISCCART	400330.00	3272020.00	25.85	25.85	DISCCART	400530.00	3273020.00	28.35	28.35
DISCCART	400330.00	3272120.00	25.42	25.42	DISCCART	400530.00	3273120.00	31.39	31.39
DISCCART	400330.00	3272220.00	25.30	25.30	DISCCART	400530.00	3273220.00	34.65	34.65
DISCCART	400330.00	3272320.00	25.30	25.30	DISCCART	400530.00	3273320.00	36.37	36.37
DISCCART	400330.00	3272420.00	25.30	25.30	DISCCART	400530.00	3273420.00	39.01	39.01
DISCCART	400330.00	3272520.00	25.30	25.30	DISCCART	400530.00	3273520.00	41.35	41.35
DISCCART	400330.00	3272620.00	25.30	25.30	DISCCART	400530.00	3273620.00	38.30	38.30
DISCCART	400330.00	3272720.00	25.30	25.30	DISCCART	400530.00	3273720.00	32.61	32.61
DISCCART	400330.00	3272820.00	25.30	25.30	DISCCART	400530.00	3273820.00	27.03	27.03
DISCCART	400330.00	3272920.00	28.00	28.00	DISCCART	400530.00	3273920.00	26.82	26.82
DISCCART	400330.00	3273020.00	30.59	30.59	DISCCART	400530.00	3274020.00	28.96	28.96
DISCCART	400330.00	3273120.00	33.63	33.63	DISCCART	400530.00	3274120.00	29.67	29.67

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

Table listing DISCCART entries with columns for ID, amount, and values (e.g., DISCCART 400530.00 3274220.00 31.50 31.50).

Table listing DISCCART entries with columns for ID, amount, and values (e.g., DISCCART 400730.00 3275220.00 49.38 49.38).

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

DISCCART	401030.00	3272120.00	25.30	25.30	DISCCART	401230.00	3273120.00	26.21	26.21
DISCCART	401030.00	3272220.00	25.30	25.30	DISCCART	401230.00	3273220.00	32.45	32.45
DISCCART	401030.00	3272320.00	25.30	25.30	DISCCART	401230.00	3273320.00	36.08	36.08
DISCCART	401030.00	3272420.00	25.30	25.30	DISCCART	401230.00	3273420.00	36.68	36.68
DISCCART	401030.00	3272520.00	25.30	25.30	DISCCART	401230.00	3273520.00	33.58	33.58
DISCCART	401030.00	3272620.00	25.30	25.30	DISCCART	401230.00	3273620.00	31.81	31.81
DISCCART	401030.00	3272720.00	25.30	25.30	DISCCART	401230.00	3273720.00	30.07	30.07
DISCCART	401030.00	3272820.00	25.30	25.30	DISCCART	401230.00	3273820.00	29.75	29.75
DISCCART	401030.00	3272920.00	25.30	25.30	DISCCART	401230.00	3273920.00	31.95	31.95
DISCCART	401030.00	3273020.00	25.48	25.48	DISCCART	401230.00	3274020.00	32.92	32.92
DISCCART	401030.00	3273120.00	30.18	30.18	DISCCART	401230.00	3274120.00	28.35	28.35
DISCCART	401030.00	3273220.00	35.19	35.19	DISCCART	401230.00	3274220.00	28.35	28.35
DISCCART	401030.00	3273320.00	38.04	38.04	DISCCART	401230.00	3274320.00	28.35	28.35
DISCCART	401030.00	3273420.00	40.74	40.74	DISCCART	401230.00	3274420.00	28.35	28.35
DISCCART	401030.00	3273520.00	40.66	40.66	DISCCART	401230.00	3274520.00	29.83	29.83
DISCCART	401030.00	3273620.00	38.31	38.31	DISCCART	401230.00	3274620.00	36.07	36.07
DISCCART	401030.00	3273720.00	37.59	37.59	DISCCART	401230.00	3274720.00	40.50	40.50
DISCCART	401030.00	3273820.00	37.77	37.77	DISCCART	401230.00	3274820.00	42.77	42.77
DISCCART	401030.00	3273920.00	37.68	37.68	DISCCART	401230.00	3274920.00	44.60	44.60
DISCCART	401030.00	3274020.00	33.43	33.43	DISCCART	401230.00	3275020.00	44.97	44.97
DISCCART	401030.00	3274120.00	28.42	28.42	DISCCART	401230.00	3275120.00	41.04	41.04
DISCCART	401030.00	3274220.00	28.35	28.35	DISCCART	401230.00	3275220.00	34.04	34.04
DISCCART	401030.00	3274320.00	28.35	28.35	DISCCART	401230.00	3275320.00	32.92	32.92
DISCCART	401030.00	3274420.00	29.80	29.80	DISCCART	401230.00	3275420.00	32.92	32.92
DISCCART	401030.00	3274520.00	36.65	36.65	DISCCART	401230.00	3275520.00	32.92	32.92
DISCCART	401030.00	3274620.00	40.13	40.13	DISCCART	401230.00	3275620.00	37.67	37.67
DISCCART	401030.00	3274720.00	42.08	42.08	DISCCART	401230.00	3275720.00	39.98	39.98
DISCCART	401030.00	3274820.00	43.05	43.05	DISCCART	401230.00	3275820.00	41.55	41.55
DISCCART	401030.00	3274920.00	44.91	44.91	DISCCART	401330.00	3271820.00	25.30	25.30
DISCCART	401030.00	3275020.00	45.42	45.42	DISCCART	401330.00	3271920.00	25.30	25.30
DISCCART	401030.00	3275120.00	45.13	45.13	DISCCART	401330.00	3272020.00	25.30	25.30
DISCCART	401030.00	3275220.00	44.40	44.40	DISCCART	401330.00	3272120.00	25.30	25.30
DISCCART	401030.00	3275320.00	42.91	42.91	DISCCART	401330.00	3272220.00	25.30	25.30
DISCCART	401030.00	3275420.00	41.11	41.11	DISCCART	401330.00	3272320.00	25.30	25.30
DISCCART	401030.00	3275520.00	40.44	40.44	DISCCART	401330.00	3272420.00	25.42	25.42
DISCCART	401030.00	3275620.00	40.82	40.82	DISCCART	401330.00	3272520.00	26.72	26.72
DISCCART	401030.00	3275720.00	44.85	44.85	DISCCART	401330.00	3272620.00	26.12	26.12
DISCCART	401030.00	3275820.00	48.87	48.87	DISCCART	401330.00	3272720.00	28.39	28.39
DISCCART	401130.00	3271820.00	25.30	25.30	DISCCART	401330.00	3272820.00	27.94	27.94
DISCCART	401130.00	3271920.00	25.30	25.30	DISCCART	401330.00	3272920.00	26.21	26.21
DISCCART	401130.00	3272020.00	25.30	25.30	DISCCART	401330.00	3273020.00	28.10	28.10
DISCCART	401130.00	3272120.00	25.30	25.30	DISCCART	401330.00	3273120.00	31.29	31.29
DISCCART	401130.00	3272220.00	25.30	25.30	DISCCART	401330.00	3273220.00	33.64	33.64
DISCCART	401130.00	3272320.00	25.30	25.30	DISCCART	401330.00	3273320.00	34.53	34.53
DISCCART	401130.00	3272420.00	25.30	25.30	DISCCART	401330.00	3273420.00	34.14	34.14
DISCCART	401130.00	3272520.00	25.30	25.30	DISCCART	401330.00	3273520.00	31.03	31.03
DISCCART	401130.00	3272620.00	25.30	25.30	DISCCART	401330.00	3273620.00	27.95	27.95
DISCCART	401130.00	3272720.00	25.30	25.30	DISCCART	401330.00	3273720.00	26.82	26.82
DISCCART	401130.00	3272820.00	25.30	25.30	DISCCART	401330.00	3273820.00	26.93	26.93
DISCCART	401130.00	3272920.00	25.30	25.30	DISCCART	401330.00	3273920.00	28.94	28.94
DISCCART	401130.00	3273020.00	25.30	25.30	DISCCART	401330.00	3274020.00	30.99	30.99
DISCCART	401130.00	3273120.00	27.74	27.74	DISCCART	401330.00	3274120.00	29.65	29.65
DISCCART	401130.00	3273220.00	33.43	33.43	DISCCART	401330.00	3274220.00	28.35	28.35
DISCCART	401130.00	3273320.00	37.19	37.19	DISCCART	401330.00	3274320.00	28.35	28.35
DISCCART	401130.00	3273420.00	38.40	38.40	DISCCART	401330.00	3274420.00	28.35	28.35
DISCCART	401130.00	3273520.00	37.39	37.39	DISCCART	401330.00	3274520.00	30.19	30.19
DISCCART	401130.00	3273620.00	35.15	35.15	DISCCART	401330.00	3274620.00	35.05	35.05
DISCCART	401130.00	3273720.00	33.22	33.22	DISCCART	401330.00	3274720.00	38.79	38.79
DISCCART	401130.00	3273820.00	33.32	33.32	DISCCART	401330.00	3274820.00	38.75	38.75
DISCCART	401130.00	3273920.00	34.54	34.54	DISCCART	401330.00	3274920.00	37.19	42.37
DISCCART	401130.00	3274020.00	32.31	32.31	DISCCART	401330.00	3275020.00	39.99	39.99
DISCCART	401130.00	3274120.00	28.35	28.35	DISCCART	401330.00	3275120.00	38.22	38.22
DISCCART	401130.00	3274220.00	28.35	28.35	DISCCART	401330.00	3275220.00	34.34	34.34
DISCCART	401130.00	3274320.00	28.35	28.35	DISCCART	401330.00	3275320.00	32.92	32.92
DISCCART	401130.00	3274420.00	28.45	28.45	DISCCART	401330.00	3275420.00	32.92	32.92
DISCCART	401130.00	3274520.00	31.39	31.39	DISCCART	401330.00	3275520.00	32.92	32.92
DISCCART	401130.00	3274620.00	34.44	34.44	DISCCART	401330.00	3275620.00	33.51	33.51
DISCCART	401130.00	3274720.00	38.10	38.10	DISCCART	401330.00	3275720.00	36.13	36.13
DISCCART	401130.00	3274820.00	42.27	42.27	DISCCART	401330.00	3275820.00	38.30	38.30
DISCCART	401130.00	3274920.00	46.02	46.02	DISCCART	401430.00	3271820.00	25.20	25.20
DISCCART	401130.00	3275020.00	44.09	44.09	DISCCART	401430.00	3271920.00	25.30	25.30
DISCCART	401130.00	3275120.00	40.84	40.84	DISCCART	401430.00	3272020.00	25.30	25.30
DISCCART	401130.00	3275220.00	39.62	39.62	DISCCART	401430.00	3272120.00	25.30	25.30
DISCCART	401130.00	3275320.00	36.98	36.98	DISCCART	401430.00	3272220.00	25.30	25.30
DISCCART	401130.00	3275420.00	35.58	35.58	DISCCART	401430.00	3272320.00	25.30	25.30
DISCCART	401130.00	3275520.00	35.97	35.97	DISCCART	401430.00	3272420.00	27.53	27.53
DISCCART	401130.00	3275620.00	39.52	39.52	DISCCART	401430.00	3272520.00	27.43	27.43
DISCCART	401130.00	3275720.00	43.38	43.38	DISCCART	401430.00	3272620.00	27.84	27.84
DISCCART	401130.00	3275820.00	46.33	46.33	DISCCART	401430.00	3272720.00	27.94	27.94
DISCCART	401230.00	3271820.00	25.30	25.30	DISCCART	401430.00	3272820.00	26.21	26.21
DISCCART	401230.00	3271920.00	25.30	25.30	DISCCART	401430.00	3272920.00	28.65	28.65
DISCCART	401230.00	3272020.00	25.30	25.30	DISCCART	401430.00	3273020.00	32.00	32.00
DISCCART	401230.00	3272120.00	25.30	25.30	DISCCART	401430.00	3273120.00	34.14	34.14
DISCCART	401230.00	3272220.00	25.30	25.30	DISCCART	401430.00	3273220.00	36.58	36.58
DISCCART	401230.00	3272320.00	25.30	25.30	DISCCART	401430.00	3273320.00	36.07	36.07
DISCCART	401230.00	3272420.00	25.89	25.89	DISCCART	401430.00	3273420.00	32.31	32.31
DISCCART	401230.00	3272520.00	27.43	27.43	DISCCART	401430.00	3273520.00	29.16	29.16
DISCCART	401230.00	3272620.00	26.28	26.28	DISCCART	401430.00	3273620.00	26.82	26.82
DISCCART	401230.00	3272720.00	26.28	26.28	DISCCART	401430.00	3273720.00	26.82	26.82
DISCCART	401230.00	3272820.00	26.01	26.01	DISCCART	401430.00	3273820.00	26.82	26.82
DISCCART	401230.00	3272920.00	25.30	25.30	DISCCART	401430.00	3273920.00	26.82	26.82
DISCCART	401230.00	3273020.00	25.30	25.30	DISCCART	401430.00	3274020.00	30.48	30.48

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

DISCCART 401430.00 3274120.00 32.41 32.41
DISCCART 401430.00 3274220.00 28.55 28.55
DISCCART 401430.00 3274320.00 28.65 28.65
DISCCART 401430.00 3274420.00 32.21 32.21
DISCCART 401430.00 3274520.00 34.14 34.14
DISCCART 401430.00 3274620.00 35.36 35.36
DISCCART 401430.00 3274720.00 33.83 33.83
DISCCART 401430.00 3274820.00 30.58 30.58
DISCCART 401430.00 3274920.00 29.87 29.87
DISCCART 401430.00 3275020.00 30.48 30.48
DISCCART 401430.00 3275120.00 37.39 37.39
DISCCART 401430.00 3275220.00 38.71 38.71
DISCCART 401430.00 3275320.00 34.04 34.04
DISCCART 401430.00 3275420.00 32.92 32.92
DISCCART 401430.00 3275520.00 32.92 32.92
DISCCART 401430.00 3275620.00 33.63 33.63
DISCCART 401430.00 3275720.00 35.56 35.56
DISCCART 401430.00 3275820.00 36.27 36.27
DISCCART 401530.00 3271820.00 25.30 25.30
DISCCART 401530.00 3271920.00 25.30 25.30
DISCCART 401530.00 3272020.00 25.30 25.30
DISCCART 401530.00 3272120.00 26.10 26.10
DISCCART 401530.00 3272220.00 26.62 26.62
DISCCART 401530.00 3272320.00 27.50 27.50
DISCCART 401530.00 3272420.00 29.75 29.75
DISCCART 401530.00 3272520.00 29.87 29.87
DISCCART 401530.00 3272620.00 30.01 30.01
DISCCART 401530.00 3272720.00 27.86 27.86
DISCCART 401530.00 3272820.00 26.82 26.82
DISCCART 401530.00 3272920.00 28.60 28.60
DISCCART 401530.00 3273020.00 31.79 31.79
DISCCART 401530.00 3273120.00 33.73 33.73
DISCCART 401530.00 3273220.00 36.63 36.63
DISCCART 401530.00 3273320.00 37.19 37.19
DISCCART 401530.00 3273420.00 34.54 34.54
DISCCART 401530.00 3273520.00 29.32 29.32
DISCCART 401530.00 3273620.00 26.82 26.82
DISCCART 401530.00 3273720.00 26.82 26.82
DISCCART 401530.00 3273820.00 26.82 26.82
DISCCART 401530.00 3273920.00 26.89 26.89
DISCCART 401530.00 3274020.00 31.39 31.39
DISCCART 401530.00 3274120.00 36.52 36.52
DISCCART 401530.00 3274220.00 37.10 37.10
DISCCART 401530.00 3274320.00 36.17 36.17
DISCCART 401530.00 3274420.00 36.27 36.27
DISCCART 401530.00 3274520.00 38.81 38.81
DISCCART 401530.00 3274620.00 36.58 36.58
DISCCART 401530.00 3274720.00 30.38 30.38
DISCCART 401530.00 3274820.00 29.87 29.87
DISCCART 401530.00 3274920.00 29.87 29.87
DISCCART 401530.00 3275020.00 29.87 29.87
DISCCART 401530.00 3275120.00 35.83 35.83
DISCCART 401530.00 3275220.00 38.30 38.30
DISCCART 401530.00 3275320.00 35.87 35.87
DISCCART 401530.00 3275420.00 35.41 35.41
DISCCART 401530.00 3275520.00 33.22 33.22
DISCCART 401530.00 3275620.00 32.92 32.92
DISCCART 401530.00 3275720.00 32.99 32.99
DISCCART 401530.00 3275820.00 39.83 39.83
DISCCART 397530.00 3276320.00 29.87 29.87
DISCCART 397530.00 3276820.00 29.87 29.87
DISCCART 397530.00 3277320.00 30.48 30.48
DISCCART 397530.00 3277820.00 31.29 31.29
DISCCART 398030.00 3278320.00 29.87 29.87
DISCCART 398030.00 3278820.00 29.87 29.87
DISCCART 398030.00 3279320.00 29.87 29.87
DISCCART 398030.00 3279820.00 31.64 31.64
DISCCART 398530.00 3276320.00 29.64 29.64
DISCCART 398530.00 3276820.00 29.87 29.87
DISCCART 398530.00 3277320.00 30.48 30.48
DISCCART 398530.00 3277820.00 40.90 40.90
DISCCART 399030.00 3276320.00 29.87 29.87
DISCCART 399030.00 3276820.00 30.18 30.18
DISCCART 399030.00 3277320.00 42.37 42.37
DISCCART 399030.00 3277820.00 44.09 44.09
DISCCART 399530.00 3276320.00 44.24 44.24
DISCCART 399530.00 3276820.00 42.09 42.09
DISCCART 399530.00 3277320.00 47.24 47.24
DISCCART 399530.00 3277820.00 43.09 43.09
DISCCART 400030.00 3276320.00 49.63 49.63
DISCCART 400030.00 3276820.00 52.61 52.61
DISCCART 400030.00 3277320.00 53.34 53.34
DISCCART 400030.00 3277820.00 54.00 54.00
DISCCART 400530.00 3276320.00 52.32 52.32
DISCCART 400530.00 3276820.00 52.63 52.63
DISCCART 400530.00 3277320.00 53.04 53.04
DISCCART 400530.00 3277820.00 53.85 53.85
DISCCART 401030.00 3276320.00 55.29 55.29
DISCCART 401030.00 3276820.00 51.05 51.05
DISCCART 401030.00 3277320.00 52.02 52.02
DISCCART 401030.00 3277820.00 44.97 44.97
DISCCART 401530.00 3276320.00 58.52 58.52

DISCCART 401530.00 3276820.00 63.95 63.95
DISCCART 401530.00 3277320.00 45.72 45.72
DISCCART 401530.00 3277820.00 32.54 32.54
DISCCART 402030.00 3276320.00 52.22 52.22
DISCCART 402030.00 3276820.00 55.68 55.68
DISCCART 402030.00 3277320.00 46.16 46.16
DISCCART 402030.00 3277820.00 29.87 29.87
DISCCART 402530.00 3276320.00 35.95 35.95
DISCCART 402530.00 3276820.00 42.88 42.88
DISCCART 402530.00 3277320.00 39.93 39.93
DISCCART 402530.00 3277820.00 27.97 27.97
DISCCART 403030.00 3276320.00 41.95 41.95
DISCCART 403030.00 3276820.00 45.48 45.48
DISCCART 403030.00 3277320.00 47.24 47.24
DISCCART 403030.00 3277820.00 28.72 28.72
DISCCART 403530.00 3276320.00 43.27 43.27
DISCCART 403530.00 3276820.00 50.19 50.19
DISCCART 403530.00 3277320.00 41.00 41.00
DISCCART 403530.00 3277820.00 29.57 29.57
DISCCART 402030.00 3275820.00 36.10 36.10
DISCCART 402030.00 3275320.00 33.22 33.22
DISCCART 402030.00 3274820.00 36.81 36.81
DISCCART 402030.00 3274320.00 39.93 39.93
DISCCART 402030.00 3273820.00 26.82 26.82
DISCCART 402030.00 3273320.00 28.24 28.24
DISCCART 402030.00 3272820.00 31.39 31.39
DISCCART 402030.00 3272320.00 25.30 25.30
DISCCART 402030.00 3271820.00 25.30 25.30
DISCCART 402030.00 3271320.00 28.35 28.35
DISCCART 402030.00 3270820.00 24.38 24.38
DISCCART 402030.00 3270320.00 31.19 31.19
DISCCART 402030.00 3269820.00 31.39 31.39
DISCCART 402530.00 3275820.00 32.92 32.92
DISCCART 402530.00 3275320.00 26.82 26.82
DISCCART 402530.00 3274820.00 27.56 27.56
DISCCART 402530.00 3274320.00 28.45 28.45
DISCCART 402530.00 3273820.00 26.95 26.95
DISCCART 402530.00 3273320.00 26.82 26.82
DISCCART 402530.00 3272820.00 25.30 25.30
DISCCART 402530.00 3272320.00 25.30 25.30
DISCCART 402530.00 3271820.00 34.14 34.14
DISCCART 402530.00 3271320.00 28.75 28.75
DISCCART 402530.00 3270820.00 23.84 23.84
DISCCART 402530.00 3270320.00 23.77 23.77
DISCCART 402530.00 3269820.00 25.70 25.70
DISCCART 403030.00 3275820.00 30.58 30.58
DISCCART 403030.00 3275320.00 26.82 26.82
DISCCART 403030.00 3274820.00 26.82 26.82
DISCCART 403030.00 3274320.00 26.82 26.82
DISCCART 403030.00 3273820.00 30.60 30.60
DISCCART 403030.00 3273320.00 31.57 31.57
DISCCART 403030.00 3272820.00 31.19 31.19
DISCCART 403030.00 3272320.00 25.30 25.30
DISCCART 403030.00 3271820.00 25.30 25.30
DISCCART 403030.00 3271320.00 25.60 25.60
DISCCART 403030.00 3270820.00 26.49 26.49
DISCCART 403030.00 3270320.00 26.05 26.05
DISCCART 403030.00 3269820.00 25.50 25.50
DISCCART 403530.00 3275820.00 32.00 32.00
DISCCART 403530.00 3275320.00 27.01 27.01
DISCCART 403530.00 3274820.00 28.00 28.00
DISCCART 403530.00 3274320.00 27.00 27.00
DISCCART 403530.00 3273820.00 29.00 29.00
DISCCART 403530.00 3273320.00 24.33 24.33
DISCCART 403530.00 3272820.00 33.00 33.00
DISCCART 403530.00 3272320.00 28.00 28.00
DISCCART 403530.00 3271820.00 24.00 24.00
DISCCART 403530.00 3271320.00 23.00 23.00
DISCCART 403530.00 3270820.00 24.33 24.33
DISCCART 403530.00 3270320.00 29.00 29.00
DISCCART 403530.00 3269820.00 33.00 33.00
DISCCART 401530.00 3271320.00 25.30 25.30
DISCCART 401530.00 3270820.00 24.38 24.38
DISCCART 401530.00 3270320.00 24.38 24.38
DISCCART 401530.00 3269820.00 29.06 29.06
DISCCART 401030.00 3271320.00 28.75 28.75
DISCCART 401030.00 3270820.00 24.38 24.38
DISCCART 401030.00 3270320.00 24.38 24.38
DISCCART 401030.00 3269820.00 28.75 28.75
DISCCART 400530.00 3271320.00 32.92 32.92
DISCCART 400530.00 3270820.00 37.19 37.19
DISCCART 400530.00 3270320.00 35.46 35.46
DISCCART 400530.00 3269820.00 32.92 32.92
DISCCART 400030.00 3271320.00 33.83 33.83
DISCCART 400030.00 3270820.00 34.73 34.73
DISCCART 400030.00 3270320.00 31.75 31.75
DISCCART 400030.00 3269820.00 35.36 35.36
DISCCART 399530.00 3271320.00 35.15 35.15
DISCCART 399530.00 3270820.00 30.86 30.86
DISCCART 399530.00 3270320.00 27.50 27.50
DISCCART 399530.00 3269820.00 31.50 31.50
DISCCART 399030.00 3271320.00 26.82 26.82

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

```
DISCCART 399030.00 3270820.00 26.82 26.82
DISCCART 399030.00 3270320.00 26.82 26.82
DISCCART 399030.00 3269820.00 33.83 33.83
DISCCART 398530.00 3271320.00 26.82 26.82
DISCCART 398530.00 3270820.00 31.09 31.09
DISCCART 398530.00 3270320.00 31.56 31.56
DISCCART 398530.00 3269820.00 30.48 30.48
DISCCART 398030.00 3271320.00 30.78 30.78
DISCCART 398030.00 3270820.00 31.35 31.35
DISCCART 398030.00 3270320.00 26.82 26.82
DISCCART 398030.00 3269820.00 27.84 27.84
DISCCART 397530.00 3271320.00 28.04 28.04
DISCCART 397530.00 3270820.00 27.33 27.33
DISCCART 397530.00 3270320.00 26.82 26.82
DISCCART 397530.00 3269820.00 29.57 29.57
DISCCART 397030.00 3271320.00 26.82 26.82
DISCCART 397030.00 3270820.00 26.82 26.82
DISCCART 397030.00 3270320.00 31.27 31.27
DISCCART 397030.00 3269820.00 31.39 31.39
DISCCART 396530.00 3271320.00 29.57 29.57
DISCCART 396530.00 3270820.00 29.87 29.87
DISCCART 396530.00 3270320.00 30.54 30.54
DISCCART 396530.00 3269820.00 27.13 27.13
DISCCART 396030.00 3271320.00 28.35 28.35
DISCCART 396030.00 3270820.00 26.82 26.82
DISCCART 396030.00 3270320.00 31.60 31.60
DISCCART 396030.00 3269820.00 26.82 26.82
DISCCART 395530.00 3271320.00 32.21 32.21
DISCCART 395530.00 3270820.00 28.43 28.43
DISCCART 395530.00 3270320.00 29.25 29.25
DISCCART 395530.00 3269820.00 31.90 31.90
DISCCART 397030.00 3271820.00 26.82 26.82
DISCCART 397030.00 3272320.00 26.82 26.82
DISCCART 397030.00 3272820.00 36.47 36.47
DISCCART 397030.00 3273320.00 37.55 37.55
DISCCART 397030.00 3273820.00 40.23 40.23
DISCCART 397030.00 3274320.00 41.35 41.35
DISCCART 397030.00 3274820.00 38.60 38.60
DISCCART 397030.00 3275320.00 29.87 29.87
DISCCART 397030.00 3275820.00 29.87 29.87
DISCCART 397030.00 3276320.00 29.87 29.87
DISCCART 397030.00 3276820.00 29.87 29.87
DISCCART 397030.00 3277320.00 40.41 40.41
DISCCART 396530.00 3271820.00 29.77 29.77
DISCCART 396530.00 3272320.00 26.82 26.82
DISCCART 396530.00 3272820.00 29.87 29.87
DISCCART 396530.00 3273320.00 33.29 33.29
DISCCART 396530.00 3273820.00 36.44 36.44
DISCCART 396530.00 3274320.00 29.87 29.87
DISCCART 396530.00 3274820.00 29.87 29.87
DISCCART 396530.00 3275320.00 39.57 39.57
DISCCART 396530.00 3275820.00 35.86 35.86
DISCCART 396530.00 3276320.00 31.46 31.46
DISCCART 396530.00 3276820.00 29.87 29.87
DISCCART 396530.00 3277320.00 40.94 40.94
DISCCART 396530.00 3277820.00 42.67 42.67
DISCCART 396030.00 3271820.00 30.99 30.99
DISCCART 396030.00 3272320.00 32.31 32.31
DISCCART 396030.00 3272820.00 35.97 35.97
DISCCART 396030.00 3273320.00 43.69 43.69
DISCCART 396030.00 3273820.00 44.20 44.20
DISCCART 396030.00 3274320.00 44.20 44.20
DISCCART 396030.00 3274820.00 44.20 44.20
DISCCART 396030.00 3275320.00 38.51 38.51
DISCCART 396030.00 3275820.00 29.87 29.87
DISCCART 396030.00 3276320.00 29.87 29.87
DISCCART 396030.00 3276820.00 29.87 29.87
DISCCART 396030.00 3277320.00 31.39 31.39
DISCCART 396030.00 3277820.00 40.03 40.03
DISCCART 395530.00 3271820.00 35.18 35.18
DISCCART 395530.00 3272320.00 36.15 36.15
DISCCART 395530.00 3272820.00 37.69 37.69
DISCCART 395530.00 3273320.00 42.42 42.42
DISCCART 395530.00 3273820.00 44.52 44.52
DISCCART 395530.00 3274320.00 46.74 46.74
DISCCART 395530.00 3274820.00 46.88 46.88
DISCCART 395530.00 3275320.00 39.75 39.75
DISCCART 395530.00 3275820.00 30.16 30.16
DISCCART 395530.00 3276320.00 29.87 29.87
DISCCART 395530.00 3276820.00 29.87 29.87
DISCCART 395530.00 3277320.00 32.00 32.00
DISCCART 395530.00 3277820.00 33.29 33.29
```

```
** END OF RISK GRID RECEPTORS
** Discrete Cartesian Plant Boundary - Primary Receptors
** Plant Boundary Name PLBN1
** DESCRREC "FENCEPRI" *Cartesian plant boundary Primary Receptors*
DISCCART 399199.42 3273688.71 41.94 41.94
DISCCART 399235.35 3273972.56 38.43 38.43
DISCCART 399237.86 3274073.33 34.04 34.04
DISCCART 399450.67 3274213.68 35.66 35.66
DISCCART 399549.48 3274263.35 35.53 35.53
```

```
DISCCART 399672.44 3274333.41 37.20 37.20
DISCCART 399823.98 3274378.86 38.98 38.98
DISCCART 399721.17 3273824.85 34.59 34.59
DISCCART 399707.95 3273566.52 34.18 34.18
DISCCART 399611.35 3273252.83 32.66 32.66
DISCCART 399202.70 3273265.59 33.61 33.61
** Discrete Cartesian Plant Boundary - Intermediate Receptors
** Plant Boundary Name PLBN1
** DESCRREC "FENCEINT" *Cartesian plant boundary Intermediate
Receptors*
DISCCART 399217.39 3273930.64 40.09 40.09
DISCCART 399236.19 3274006.15 36.63 36.63
DISCCART 399237.02 3274039.74 34.98 34.98
DISCCART 399273.33 3274096.72 34.43 34.43
DISCCART 399308.80 3274120.11 34.59 34.59
DISCCART 399344.27 3274143.51 35.39 35.39
DISCCART 399379.73 3274166.90 36.48 36.48
DISCCART 399415.20 3274190.29 36.48 36.48
DISCCART 399483.61 3274230.24 34.85 34.85
DISCCART 399516.54 3274246.79 35.39 35.39
DISCCART 399590.47 3274266.70 36.40 36.40
DISCCART 399631.45 3274310.06 37.43 37.43
DISCCART 399710.33 3274344.77 37.08 37.08
DISCCART 399748.21 3274356.14 36.64 36.64
DISCCART 399786.10 3274367.50 36.82 36.82
DISCCART 399815.41 3274332.69 37.41 37.41
DISCCART 399806.85 3274286.53 38.03 38.03
DISCCART 399798.28 3274240.36 38.07 38.07
DISCCART 399789.71 3274194.19 38.44 38.44
DISCCART 399781.14 3274148.02 38.67 38.67
DISCCART 399772.57 3274101.88 38.36 38.36
DISCCART 399764.01 3274055.69 38.24 38.24
DISCCART 399755.44 3274009.52 37.37 37.37
DISCCART 399746.87 3273963.35 36.43 36.43
DISCCART 399738.31 3273917.19 35.96 35.96
DISCCART 399729.74 3273871.02 35.56 35.56
DISCCART 399718.97 3273781.80 33.34 33.34
DISCCART 399716.76 3273736.74 31.65 31.65
DISCCART 399714.56 3273695.69 31.78 31.78
DISCCART 399712.38 3273652.63 33.89 33.89
DISCCART 399710.15 3273609.58 35.33 35.33
DISCCART 399694.15 3273521.71 33.95 33.95
DISCCART 399680.35 3273476.89 33.62 33.62
DISCCART 399666.55 3273432.08 33.47 33.47
DISCCART 399652.75 3273387.27 32.83 32.83
DISCCART 399638.95 3273342.46 32.51 32.51
DISCCART 399625.15 3273297.64 32.52 32.52
DISCCART 399611.35 3273252.83 34.19 34.19
DISCCART 399607.55 3273207.64 34.95 34.95
DISCCART 399603.75 3273162.45 36.02 36.02
DISCCART 399599.95 3273117.26 36.71 36.71
DISCCART 399596.15 3273072.07 37.20 37.20
DISCCART 399592.35 3273026.88 37.09 37.09
DISCCART 399588.55 3272981.69 36.17 36.17
DISCCART 399584.75 3272936.50 34.92 34.92
DISCCART 399580.95 3272891.31 36.55 36.55
DISCCART 399577.15 3272846.12 39.47 39.47
DISCCART 399573.35 3272800.93 41.75 41.75
DISCCART 399569.55 3272755.74 44.13 44.13
DISCCART 399565.75 3272710.55 44.41 44.41
DISCCART 399561.95 3272665.36 43.85 43.85
DISCCART 399558.15 3272620.17 43.97 43.97
DISCCART 399554.35 3272574.98 43.60 43.60
DISCCART 399550.55 3272529.79 41.99 41.99
DISCCART 399546.75 3272484.60 40.93 40.93
DISCCART 399542.95 3272439.41 41.06 41.06
DISCCART 399539.15 3272394.22 42.44 42.44
```

```
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
ME STARTING
SURFFILE _JAERMET\GNVJAX01.SFC
PROFFILE _JAERMET\GNVJAX01.PFL
SURFDATA 12816 2001 GAINESVILLE/MUNICIPAL_AIRPORT
UAIRDATA 13869 2001 JACKSONVILLE\INTL_ARPT
PROFBASE 123 FEET
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
OU STARTING
PLOTFILE PERIOD ALL HAF\LBMAC.P01
OU FINISHED
```

Appendix C

Electronic Files

1.0 INTRODUCTION

A Hazardous Air Pollutant (HAP) source testing program has been undertaken at the Georgia-Pacific (GP) Hawthorne Plywood manufacturing facility located in Hawthorne, Florida. This test report provides the supporting documentation for the determination of worst-case emissions of selected Hazardous Air Pollutants in accordance with provisions of *Appendix A to Subpart DDDDD of 40 CFR Part 63—Methodology and Criteria for Demonstrating Eligibility for the Health-Based Compliance Alternatives (HBCA)*.

This report addresses the worst-case emissions and associated firing rates for the Health Based Compliance Alternative (HBCA) for:

Manganese for the Total Selected Metals (TSM) HBCA

This report includes the following Sections:

- Section 2: Sampling and Analysis Procedures
- Section 3: Worst-Case Operating Conditions
- Section 4: Emission Rates and Stack Parameters
- Section 5: Quality Assurance/Quality Control Measures
- Section 6: Summary of HBCA Emission Measurement Program

Attachments to this report contain pertinent information including: copies of field data sheets, analytical reports, process data and emission calculations, control device operating data collected during the stack test, and QA/QC results.

2.0 SAMPLING AND ANALYSIS PROCEDURES

2.1 Emission sampling

This section provides a summary of the sampling and analytical methods employed. Table 2-1 lists the boiler tested and the associated reference methods selected from the methods listed in Subpart DDDDD, Appendix A, Table 1.

Table 2-1 Reference Test Methods for Mn and PM Emission Testing

Boiler or Process Heater Name	Stack ID	Exhaust Flow	Mn	PM
Wood Waste Boiler	001	Method 2	Method 29	Method 5

GP owns and operates the Hawthorne Plywood Plant in Putnam County, Florida. The facility uses a waste wood boiler to provide steam for heating various processes including log vats, dryers, and presses. The unit, manufactured by Zurn, is a 2-drum boiler equipped with multiclone ash re-injection is capable of producing 140,000 pounds per hour of steam. The unit is permitted to operate 8,760 hours per year. The unit is fired on wood waste. Maximum permitted heat input is 224 million Btu per hour (MMBtu/hr). The boiler emissions are abated by a dry electrostatic precipitator (ESP).

2.2 Heat input calculation

Single Fuels using EPA Method 19 Factor: EPA Method 19 was used to convert sampling results to lb/MMBtu units using the site specific F factor:

Wood Residuals 9,600 dscf/MMBtu

2.3 Fuel sampling procedures

The procedures described in the attached fuel sampling plan were used, with the exception of the following: fuel sampling was conducted during a 5-day period after the test. Three (3) 24-hour composite samples were collected by Boiler Department personnel. Each composite sample consisted of six (6) grab samples taken over a 24-hour period.

As only one type of fuel is used at this facility, it is believed that the 3 composite samples collected are representative of the fuel used at all times.

2.4 Fuel Analysis Procedures

The collected fuel samples were analyzed using the procedures listed in Table 2-2

Table 2-2 Reference for Test Method for Fuel Analysis Supporting the Heat Input Calculations

Fuel Type	Moisture Content	Higher Heating Value	Mn Elemental Analysis
ASTM Method	ASTM 160.3 MOD	ASTM E711	SW-846-6010B

3.0 WORST-CASE OPERATING CONDITIONS

3.1 Conditions Identified As Worst Case During Emission Testing

In accordance with Appendix A of 40 CFR Part 63, Subpart DDDDD, emissions are to be measured through emissions testing under worst-case operating conditions. The realities of operating swing-load boilers, however, place limitations on the actual test conditions that can be sustained for the duration of an emissions test event. These conditions are described in Table 3-1. Control device monitoring data collected during the emission test for Boiler 001 (ESP) is shown in Appendix C of the stack test report. The table that follows specifies both the actual test values and the limiting values of the parameters (either maximum or minimum, depending on parameter) that are anticipated to result in the highest emission rates. Adjustment factors will be applied as described in Section 4.2 of this report to compensate for any differences or shortfalls of the actual test conditions to duplicate worst case conditions.

Table 3-1 Worst-Case Operating Parameters as Applicable to Each Boiler or Process Heater for the Mn HBCA

Boiler or Process Heater	Unit ID	Operating Parameter	Specify "Maximum" or "Minimum"	Range During Test	Measurement Method
Wood Waste Boiler	001	Fuel type/mix	100% Wood Residuals	100% Wood Residuals	Observation
		Heat input (MMBtu/hr)	Maximum 224	181.7 – 185.4	F Factor
		ESP Total Power (kW)	Minimum 50**	33 – 35*	ESP power meter

*Testing conducted while ESP operating on only 2 of 3 T-R sets.

**The agency is currently reviewing a request to reduce the minimum ESP total power CAM value to 30 Kw

3.2 Rationale for Selecting Worst-case Operating Condition for Mn and PM

This boiler fires only one type of fuel: 100% wood residuals. Therefore this is the "worst case" operating condition for fuel type.

This ESP operates normally on three (3) T-R sets (or cells), which normally have a combined power output of greater than 50 kW. During this test, the ESP was operated with only two of the T-R sets in operation, which is considered the "worst case" emissions scenario for PM and Mn. It is assumed that during normal, 3-cell operation, emissions will be lower.

4.0 EMISSION RATES AND STACK PARAMETERS

4.1 Emission Test Summary

Table 4-1 summarizes the air emission test results for each of three runs. Emission rates for each run were determined by multiplying the measured mass of Mn by the sample volume and converting to lb/hr and lb/MMBTU units. The average emission rate over the three runs represents the emission rate for Mn. Since all three tests had results below detection limits for Mn, the emission rate of Mn from the boiler was set to zero.

Table 4-1 Source Measurement Summary for Mn and PM

Fuel Type(s)		Wood Residuals				
		(units)	Run 1	Run 2	Run 3	
Date	MM/DD/YR		06/02/06	06/02/06	06/02/06	
Start Time	HH:MM		10:06	12:29	14:49	
Stop Time	HH:MM		12:09	14:32	16:52	
Fuel F Factor	dscf/MMBtu		9,600	9,600	9,600	
Firing Rate	MMBtu/hr		181.7	182.4	185.4	
Stack Gas Flow Rate	acfm		74,622	72,854	73,979	
Stack Gas Flow Rate	dscfm		41,089	39,961	40,682	
Stack gas CO2	% dry		11.0	11.0	11.0	
Stack Gas Temperature	°F		369	370	370	
Concentration/ Emission Rate					3-Run Average (lb/hr)	
Manganese	Measured Mass	Ug	36.9	34.1	27.6	32.9
	Emission Rate	Gr/SCFD	6.12E-06	5.70E-06	<4.64E-06	5.49E-06
	Emission Rate	lb/hr	2.15E-03	1.95E-03	<1.62E-03	<1.91E-03
	Emission Rate	lb/MMBtu	1.18E-05	1.10E-05	<8.84E-06	<1.05E-05
PM	Emission Rate	Gr/SCFD	0.0006	0.0002	0.0002	0.0003
	Emission Rate	lb/hr	0.22	0.07	0.05	0.11
	Emission Rate	lb/MMBtu	0.001	0.000	0.000	0.001

4.2 Application of Adjustment Factor to Emission Test Results

Appendix A-8 (d) of Subpart DDDDD requires that parameters defining a facility's health-based compliance alternative eligibility (such as fuel type, fuel mix (annual average), emission rate, type of control devices, process parameters (e.g., maximum heat input), and non-process parameters (e.g., stack height)) must be submitted to the permitting authority for incorporation into the facilities' Title V permit as federally enforceable conditions, where they will be subject to Title V's periodic compliance certification requirements. Accordingly, any actual emissions data obtained from process units at the site will need to be converted to an emission factor, with sufficient added conservatism,

assuring that the facility will be able to certify compliance on a continuous basis. Therefore, an adjustment factor has been applied to the above emission test results to assure continuous compliance with the emission limits that will be established in the Title V permit. The adjustment factor was derived as follows:

The measured Mn emission rate in lb/MMBTU was adjusted upward to account for the following:

- 1) The expected variability in the Mn content of the wood residuals. The Mn concentration in three fuel samples collected following the stack test ranged from 17 to 22 mg/kg.
- 2) Effect of variability in the boiler operation due to wet fuel on PM and associated Mn emissions. Fuel quality during the stack test was considered normal. Fuel is typically around 20 to 35 % moisture.
- 3) Potential reduced PM and associated Mn control efficiency due to the ESP operating on only two of the three cells. The ESP normally operates with three of the ESP cells, but the boiler emissions were tested when operating the ESP on two cells to allow for that option of operating on only two of the three cells.
- 4) The boiler was operated at an estimated average heat input of about 183 MMBTU/hr during the Mn stack test. This is significantly lower (about 18%) than the maximum rated capacity of 224 MMBTU/hr.

While most of these influences are not expected to have a significant impact over an annual period, to account for the above conditions that may result in higher Mn emissions than during future stack tests, the following adjustments have been made:

- The maximum Mn emission rate in Lb/hr was calculated by taking the highest Mn in lb/MMBtu, of the three stack test runs, multiplied by a safety factor of 2.
- This value was multiplied by the boiler's rated BTU input (224 MMBtu/hr).
- This value was multiplied by the ratio of the allowable PM emission rate to the measured PM rate (0.10 lb/MMBTU allowable versus 0.001 lb/MMBTU measured), during the PM compliance test that was conducted at the same day as the Mn stack test

See the following calculation:

- $Mn = 0.0000118 \text{ lb/MMBtu} \times 2 = 0.0000236 \text{ lb/MMBtu}$
- $0.0000236 \text{ lb/MMBtu} \times 224 \text{ MMBtu/hr} = 0.0053 \text{ lb/hr}$
- $0.0053 \text{ lb/hr} \times (0.10/0.001) \text{ lb/MMBtu} = 0.53 \text{ lb/hr}$

The 0.53 lb/hr Mn was used in the attached Site Specific Health Based Compliance Alternative Demonstration.

5.0 QUALITY ASSURANCE/QUALITY CONTROL MEASURES

All sampling activities and analytical measurements performed over the course of this program were supported by quality assurance/quality control (QA/QC) measures as specified in the sampling methods and documented in the stack test report. Specific procedures to ensure accurate, representative, and complete data were implemented at every phase of the program.

6.0 SUMMARY OF HBCA DEMONSTRATION EMISSION MEASUREMENT PROGRAM

Only one significant issue was encountered during the stack test or in interpreting the data for use in the HBCA. Because the fuel sampling plan had not been approved by the Department at the time of the stack test, fuel samples were not collected during the stack test. Fuel samples were collected during 3 days shortly after the stack test, once the plan was approved. As demonstrated during the stack test, the boiler is capable of generating more steam than the process can use. The production rate and boiler firing rate were above normal during the stack test. The potential impact of these conditions were used to factor up the measured Mn emission rate so that the maximum Mn emission rate of 0.53 pounds per hour is expected to fully account for these impacts.

ATTACHMENTS

Stack Test Report is attached, including:

- **FIELD DATA SHEETS**
- **ANALYTICAL DATA**
- **PROCESS DATA AND EMISSION RATE CALCULATION WORKSHEET**
- **CONTROL DEVICE OPERATING DATA**
- **QA/QC PROCEDURES AND RESULTS**

Fuel Sampling Plan

Fuel Analytical Report

Certified Mail {Insert Number}
Return Receipt Requested

9/12/2006

Christopher L. Kirts, P.E.
Air Program Administrator
Florida Department of Environmental Protection
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

RE: Georgia-Pacific Corporation
Hawthorne, FL
Boiler MACT Health Based Compliance Alternative Demonstration
1070015-009-AV

Dear Mr. Kirts,

Georgia-Pacific (GP) is requesting agency approval to use the Health Based Compliance Alternative (HBCA) for manganese for the boiler(s) located at its Hawthorne, FL plywood facility as part of the facility's Total Selected Metals (TSM) compliance demonstration under the Industrial, Commercial, and Institutional Boilers and Process Heaters (BOILER) MACT, 40CFR63 Subpart DDDDD. The manganese emissions from the facility's wood-fired boiler(s), as indicated in the attached reports, meet the requirements established in Appendix A to Subpart DDDDD—Methodology and Criteria for Demonstrating Eligibility for the Health-Based Compliance Alternatives.

Boiler MACT regulates the emissions of certain hazardous air pollutants emitted from boilers such as the one at this facility. The regulation authorizes an affected facility to exclude manganese from the calculation of TSM if the facility can demonstrate that the manganese emissions do not have an adverse health impact as defined in Appendix A to Subpart DDDDD. A site specific health assessment was performed for the facility's manganese emissions using emission and operating data supplied from a stack test. The site specific assessment was performed because the facility was judged by GP to be ineligible to use the look-up table analysis due to the potential for building downwash which may affect the dispersion of emissions from the boiler(s). The information collected on the air emissions, fuel, boiler operations, and emission abatement equipment operations during the stack test is summarized in the attached report entitled "*GP Hawthorne Plywood Source Measurement Report for HBCA Demonstration*". The report also documents how the measured emission rate was factored up to the proposed maximum hourly manganese emission rate. This conservative estimate of maximum

hourly manganese emission rate was used in the site specific modeling analysis contained in the attached report entitled "*Health-based Compliance Alternative Demonstration for the GP plywood facility located in Hawthorne, FL* (HBCA Demonstration Report).

GP also requests the agency to incorporate the parameters that defined the affected source as eligible for the HBCA into the above referenced Title V permit, as federally enforceable limits. These parameters are detailed in Section 7., Title V Permit Parameters, of the HBCA Demonstration Report.

Should you have any questions or require additional information, please feel free to contact Sam Barket at 352-481-0433 or Margarete Vest at 904-445-8761.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



Leon Finner
Plant Manager

Attachments

cc: U.S. EPA, Risk and Exposure Assessment Group, Emission Standards Division (C404-01),
Attn: Group Leader, Research Triangle Park, North Carolina 27711, submitted by US mail and
e-mail to REAG@epa.gov (Modeling Report and Transmittal letter only)
P. Vasquez
Sam Barket
Margarete Vest

Department of
Environmental Protection
Division of Air Resource Management

**SUBMITTED APPLICATION REPORT
APPLICATION FOR AIR PERMIT - LONG FORM**

--- Form Effective 02/02/06 ---

Application Number: 1325- 1

Application Name: GEORGIA PACIFIC HAWTHORNE BOILER
MACT 9-06

Date Submitted: 13 September 2006

I. APPLICATION INFORMATION

Air Construction Permit - Use this form to apply for any air construction permit at a facility operating under a federally enforceable state air operation permit (FESOP) or Title V air permit. Also use this form to apply for an air construction permit:

- For a proposed project subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- Where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- Where the applicant proposes to establish, revise, or renew a plantwide applicability limit (PAL).

Air Operation Permit - Use this form to apply for:

- an initial federally enforceable state air operation permit (FESOP); or
- an initial/revise/renewal Title V air operation permit.

Air Construction Permit & Title V Air Operation Permit (Concurrent Processing Option) - Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: GEORGIA-PACIFIC CORP. PLYWOOD PLANT	
2. Site Name: GEORGIA-PACIFIC CORP. PLYWOOD PLANT	
3. Facility Identification Number: 1070015	
4. Facility Location...	
Street Address or Other Locator:	GORDON CHAPEL RD (S OF SR 20) 223 GORDON CHAPEL ROAD
City: HAWTHORNE	County: PUTNAM Zip Code: 32640
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

<p>1. Application Contact Name: MARGARETE VEST</p>	<p>Application Contact Job Title: Sr Field Envionmental Engineer</p>
<p>2. Application Contact Mailing Address... Organization/Firm: GEORGIA PACIFIC CORP Street Address: PO BOX 919 City: PALATKA State: FL Zip Code: 32178</p>	
<p>3. Application Contact Telephone Numbers... Telephone: (904) 445-8761 ext. Fax: (404) 749-2750</p>	
<p>4. Application Contact Email Address: mmvest@gapac.com</p>	

Purpose of Application**This application for air permit is submitted to obtain: (Check one)****Air Construction Permit**

- Air construction permit.
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL).
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL), and separate air construction permit to authorize construction or modification of one or more emissions units covered by the PAL.

Air Operation Permit

- Initial Title V air operation permit.
- Title V air operation permit revision.
- Title V air operation permit renewal.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

**Air Construction Permit and Revised/Renewal Title V Air Operation Permit
(Concurrent Processing)**

- Air construction permit and Title V permit revision, incorporating the proposed project.
- Air construction permit and Title V permit renewal, incorporating the proposed project.

Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:

- I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

Application Comment

Application is to incorporate the limitations for the Boiler MACT HBCA determination.



Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type
1	BOILER WOOD/BARK W/ ESP	AC1B

Note: The fee calculation information associated with this application may be accessed from the Main Menu of ESPAP.

Owner/Authorized Representative Statement

Complete if applying for an air construction permit or an initial FESOP.

<p>1. Owner/Authorized Representative Name: LEON PINNER</p>	<p>Owner/Authorized Representative Job Title: Plant Manager</p>
<p>2. Owner/Authorized Representative Mailing Address... Organization/Firm: GEORGIA-PACIFIC CORPORATION Street Address: 223 GORDON CHAPEL ROAD City: HAWTHORNE State: FL Zip Code: 32640</p>	
<p>3. Owner/Authorized Representative Telephone Numbers... Telephone: (352) 481-4311 ext. 423 Fax: (352) 481-4915</p>	
<p>4. Owner/Authorized Representative Email Address: LPINNER@GAPAC.COM</p>	
<p>5. Owner/Authorized Representative Statement: By entering my PIN below, I certify that I am the owner/authorized representative of the facility addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other requirements identified in this application to which the facility is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit.</p>	

Application Responsible Official Certification

1. Application Responsible Official Name: LEON PINNER
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source.
3. Application Responsible Official Mailing Address... Organization/Firm: GEORGIA-PACIFIC CORPORATION Street Address: 223 GORDON CHAPEL ROAD City: HAWTHORNE State: FL Zip Code: 32640
4. Application Responsible Official Telephone Numbers... Telephone: (352)481-4311 ext. 423 Fax: (352)481-4915
5. Application Responsible Official Email Address: LPINNER@GAPAC.COM
6. Application Responsible Official Certification: By entering my PIN below, I certify that I am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.

Professional Engineer Certification

1.	Professional Engineer Name: MARGARETE VEST Registration Number: 42794	Professional Engineer Job Title: SR Field Environmental Engineer
2.	Professional Engineer Mailing Address... Organization/Firm: GEORGIA-PACIFIC CORPORATION Street Address: PO BOX 919 City: PALATKA State: FL Zip Code: 32178	
3.	Professional Engineer Telephone Numbers... Telephone: (386) 312-1191 ext. Fax: (386) 312-1191	
4.	Professional Engineer Email Address: MMVEST@GAPAC.COM	
5.	Professional Engineer Statement: I hereby certify, except as particularly noted herein*, that: (1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and (2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application. (3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/> , if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application. (4) If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/> , if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input checked="" type="checkbox"/> , if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application. (5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/> , if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance	

with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

* Explain any exception to the certification statement.

Professional Engineer Exception Statement:

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

<p>1. Facility UTM Coordinates...</p> <p>Zone 17 East (km) 399.6 North (km) 3273.8</p>	<p>2. Facility Latitude/Longitude...</p> <p>Latitude (DD/MM/SS) 29° 35` 30" N Longitude (DD/MM/SS) 82° 2` 15" W</p>		
<p>3. Governmental Facility Code:</p> <p>(0) NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT</p>	<p>4. Facility Status Code:</p> <p>Active</p>	<p>5. Facility Major Group SIC Code:</p> <p>(24) LUMBER & WOOD PRODUCTS, EXCEPT FURNITURE</p>	<p>6. Facility SIC(s):</p> <p>Primary: 2436</p>
<p>7. Facility Comment:</p> <p>TITLE V (MAJOR)</p>			

Facility Contact

<p>1. Facility Contact Name:</p> <p>SAM E BARKET</p>	<p>Facility Contact Job Title:</p> <p>ENVIRONMENTAL COORDINATOR</p>
<p>2. Facility Contact Mailing Address...</p> <p>Organization/Firm: GEORGIA-PACIFIC CORPORATION Street Address: 223 GORDON CHAPEL ROAD</p> <p style="text-align: center;">City: HAWTHORNE State: FL Zip Code: 32640</p>	
<p>3. Facility Contact Telephone Numbers...</p> <p>Telephone: (352) 481-0433 ext. Fax: (352) 481-3047</p>	
<p>4. Facility Contact Email Address: samuel.barket@gapac.com</p>	

Facility Primary Responsible Official

Complete if an "application responsible official" is identified in Section I. that is not the facility "primary responsible official."

<p>1. Facility Primary Responsible Official Name:</p> <p>LEON PINNER</p>	<p>Facility Primary Responsible Official Job Title:</p> <p>Plant Manager</p>
<p>2. Facility Primary Responsible Official Mailing Address...</p> <p>Organization/Firm: GEORGIA-PACIFIC CORPORATION Street Address: 223 GORDON CHAPEL ROAD</p> <p style="text-align: center;">City: HAWTHORNE State: FL Zip Code: 32640</p>	
<p>3. Facility Primary Responsible Official Telephone Numbers...</p> <p>Telephone: (352) 481-4311 ext. 423 Fax: (352) 481-4915</p>	

4. Facility Primary Responsible Official Email Address: LPINNER@GAPAC.COM

Facility Regulatory Classifications Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions to distinguish between a "major source" and a "synthetic minor source."

1.	<input type="checkbox"/> Small Business Stationary Source	<input type="checkbox"/> Unknown
2.	<input type="checkbox"/> Synthetic Non-Title V Source	
3.	<input checked="" type="checkbox"/> Title V Source	
4.	<input checked="" type="checkbox"/> Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)	
5.	<input type="checkbox"/> Synthetic Minor Source of Air Pollutants, Other than HAPs	
6.	<input checked="" type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)	
7.	<input type="checkbox"/> Synthetic Minor Source of HAPs	
8.	<input type="checkbox"/> One or More Emissions Units Subject to NSPS (40 CFR Part 60)	
9.	<input type="checkbox"/> One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10.	<input checked="" type="checkbox"/> One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)	
11.	<input type="checkbox"/> Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12.	Facility Regulatory Classifications Comment: Subject to Boiler MACT	

List of Pollutants Emitted by Facility

1. Pollutants Emitted	2. Pollutant Classification	Emissions Cap [Y or N]?
HAPS	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
H115 <i>Methanol</i>	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
CO	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
NOX	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
PM	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
VOC	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
SO2	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
PM10	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
H144 <i>Phenol</i>	(C) CLASS IS UNKNOWN	N
H001 <i>Acetaldehyde</i>	(C) CLASS IS UNKNOWN	N
H095 <i>Formaldehyde</i>	(C) CLASS IS UNKNOWN	N
H106 <i>HCl</i>	()	N

B. Emissions Caps

Facility-Wide or Multi-Unit Emissions Caps

1. Pollutant Subject to Emissions Cap	2. Facility Wide Cap [Y or N]? (all units)	3. Emissions Unit ID No.s Under Cap (if not all units)	4. Hourly Cap (lb/hr)	5. Annual Cap (ton/yr)	6. Basis for Emissions Cap
7. Facility-Wide or Multi-Unit Emissions Cap Comment:					

C. FACILITY ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
2. Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)	<input type="checkbox"/> Applicable	<input checked="" type="checkbox"/> Previously Submitted, Date: 08-SEP-06	<input type="checkbox"/> Attachment
3. Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment

Additional Requirements for Air Construction Permit Applications

1. Area Map Showing Facility Location: (Not applicable for existing permitted facility)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
2. Description of Proposed Construction, Modification, or Plantwide Applicability Limit (PAL):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
3. Rule Applicability Analysis:	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
4. List of Exempt Emissions Units (Rule 62-210.300(3), F.A.C.): (Not applicable if no exempt units at facility)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
5. Fugitive Emissions Identification:	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
6. Air Quality Analysis (Rule 62-212.400(7), F.A.C.):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
7. Source Impact Analysis (Rule 62-212.400(5), F.A.C.):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
8. Air Quality Impact since 1977 (Rule 62-212.400(4)(e), F.A.C.):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
9. Additional Impact Analyses (Rules 62-212.400(8) and 62-212.500(4)(e), F.A.C.):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
10. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment

Additional Requirements for FESOP Applications

1. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.): (Not applicable if no exempt units at facility)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
---	-------------------------------------	-------------------------------------

Additional Requirements for Title V Air Operation Permit Applications

1. List of Insignificant Activities: (Required for initial/renewal applications, but not for revision applications)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
2. Identification of Applicable Requirements (Required for initial/renewal applications, and for revision applications if this information would be changed as a result of the revision being sought):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
3. Compliance Report and Plan: (Required for all initial/revision/renewal applications): Note: A compliance plan must be submitted for each emissions unit that is not in compliance with all applicable requirements at the time of application and/or at any time during application processing. The department must be notified of any changes in compliance status during application processing.	<input checked="" type="checkbox"/> Applicable	<input checked="" type="checkbox"/> Attachment
4. List of Equipment/Activities Regulated under Title VI (If applicable, required for initial/renewal applications only):	<input type="checkbox"/> Applicable <input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed	<input type="checkbox"/> Attachment
5. Verification of Risk Management Plan Submission to EPA (If applicable, required for initial/renewal applications only):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
6. Requested Changes to Current Title V Air Operation Permit:	<input checked="" type="checkbox"/> Applicable	<input checked="" type="checkbox"/> Attachment

Other Information Regarding this Facility:

4. Other Facility Information:	<input checked="" type="checkbox"/> Included	<input checked="" type="checkbox"/> Attachment
--------------------------------	--	--

Additional Requirements Comment

Requested Changes are in reports on the CD that will be mailed.

Facility Attachments

Supplemental Item	Electronic File Name	Attachment Description	Electronic Document	Date Uploaded
Other Facility Information	GP Hawthorne Boiler MACT-HBCA Submittal Ltr_9-12-06.pdf	GP Hawthorne Boiler MACT HBCA Submittal Letter 9-12-06	Yes	09/12/2006
Compliance Report and Plan	GP Hawthorne Compliance Plan 9-12-06.pdf	GP Hawthorne Compliance Plan 9-12-06	Yes	09/12/2006
Requested Changes to Current Title V Air Operation Permit	N/A	Requested Changes are included in Section 7 of attached file `Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration`	No	



Emissions Unit Control Equipment

Code	Equipment	Description
10	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0-99.9%)	ESP to operate on any two cells or three cells.
77	MULTIPLE CYCLONE W/ FLY ASH REINJECTION	

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

Emissions Unit Operating Capacity and Schedule

1. Maximum Process or Throughput Rate:		
2. Maximum Production Rate:		
3. Maximum Heat Input Rate: 224 million Btu/hr		
4. Maximum Incineration Rate:	pounds/hr	
	tons/day	
5. Requested Maximum Operating Schedule:	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year
6. Operating Capacity/Schedule Comment:		

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: EP 1		2. Emission Point Type Code: 1 - A single emission point serving a single emissions unit	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	6. Stack Height: 82 feet	7. Exit Diameter: 6 feet	
8. Exit Temperature: 355° F	9. Actual Volumetric Flow Rate: 75000 acfm	10. Water Vapor: 13 %	
11. Maximum Dry Standard Flow Rate: 40600 dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: East (km): North (km):		14. Emission Point Latitude/Longitude... Latitude: Longitude:	
15. Emission Point Comment: STK Ht measured at 82'; 9-6-06			

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type): Wood/ Bark Fired Boiler		
2. Source Classification Code (SCC): 10200902	3. SCC Units: Tons Wood/Bark Burned	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash: 2	9. Million Btu per SCC Unit: 9
10. Segment Comment: Million btu per scc unit should be 8.9, but EPSAP does not allow input of a decimal place.		
Is this a valid segment? Yes		

E. EMISSIONS UNIT POLLUTANTS**List of Pollutants Emitted by Emissions Unit**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
CO			NS	Yes
H106 HCl			NS	Yes
H115 Methanol			NS	Yes
HAPS			NS	Yes
NOX			NS	Yes
PM	MULTIPLE CYCLONE W/ FLY ASH REINJECTION	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0- 99.9%)	EL	Yes
PM10			NS	Yes
SO2			NS	Yes
VOC			NS	Yes

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: CO - Carbon Monoxide	2. Total Percent Efficiency of Control:
3. Potential Emissions: 134 lb/hour 588.7 tons/year	4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: .6 LB/MMBTU-HR Reference: AP42	7. Emissions Method Code: (3) CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years
10. Calculation of Emissions: 224 mmbtu x 0.6 lb/mmbtu = 134 lb/hr x 8760/2000= 588.7 tpy	
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:	

no EF in ARMS

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

No Pollutant Allowable Emissions information submitted.

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: H106 - Hydrogen chloride (Hydrochloric acid)	2. Total Percent Efficiency of Control:
3. Potential Emissions: 4.26 lb/hour 18.64 tons/year	4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: .019 LB/MMBTU-HR Reference: AP-42	7. Emissions Method Code: (3) CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years
10. Calculation of Emissions: $(0.019 \text{ lb/MMBTU-Hr}) \times (224 \text{ mmbtu/hr}) \times (8760) / 2000 = 18.64 \text{ tpy}$	
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:	

Not listed pollutant for ENOC in ARMS

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

No Pollutant Allowable Emissions information submitted.

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: H115 - Methanol		2. Total Percent Efficiency of Control: .	
3. Potential Emissions: .31 lb/hour 1.37 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: .0014 LB/MMBTU-HR Reference: AP-42		7. Emissions Method Code: (3) CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions:			
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:			

Not listed as pollutant for ENCOOL in ARMS

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

No Pollutant Allowable Emissions information submitted.


ATTACHMENT

COMPLIANCE REPORT AND PLAN

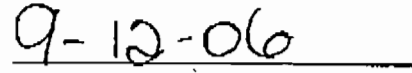
Georgia-Pacific Corporation (GP) certifies that the Hawthorne facility, as of the date of this application, is in compliance with each applicable requirement addressed in this Title V Air Operating revision application.

I, the undersigned, am the responsible official as defined in Chapter 62-213, F.A.C., of the Title V source for which this report is being submitted. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made and data contained in this report are true, accurate, and complete.

Compliance statements for this facility will be submitted on an annual basis to FDEP, before March 1st of each year.



Signature, Responsible Official



Date

Georgia Pacific Hawthorne Fuel Specification
September 2006

Fuel Specification

GP requests that Condition A.2 be modified as shown below to reflect that GP shall burn wood waste only and to remove the reference for burning glue.

Condition A.2

The boiler is fired with green and dry wood waste. The pilot burner is fired with propane.

**ATTACHMENT GP Hawthorne Boiler EU 001 Regulatory Applicability
G-P Hawthorne Plywood Plant, Putnam County**

APPLIC STAT	RULE DESCRIP	RULE NUMBER	RULE TITLE	RATIONALE FOR NON-APPLICABILITY
NON-APPLICABLE	60 Subpart A	40CFR60.1	Subpart A -- General Provisions	The EU 001 Boiler is not subject to NSPS; the boiler was built prior to the applicability date of all potentially applicable NSPS, and has not been modified or reconstructed as defined in 40 CFR 60.
NON-APPLICABLE	60 Subpart D	40CFR60.40	Subpart D -- Fossil Fuel Steam Generators - Applicability and designation of affected facility	EU 001 Boiler is not subject to NSPS; the boiler does not burn fossil fuel as defined in 40 CFR 60.
NON-APPLICABLE	60 Subpart Db	40CFR60.40b	Subpart Db -- Industrial - Commercial - Institutional Steam Generating Units - Applicability	EU 001 Boiler is not subject to NSPS; the boiler was built (6/79) prior to the applicability date of June 19, 1984, and has not been modified or reconstructed as defined in 40 CFR 60.
NON-APPLICABLE	60 Subpart Dc	40CFR60.40c	Subpart Dc -- Small Industrial - Commercial - Institutional Steam Generating Units -- Applicability	EU 001 Boiler is not subject to NSPS; the boiler was built (6/79) prior to the applicability date of June 9, 1989, and has not been modified or reconstructed as defined in 40 CFR 60, and has a maximum heat input of greater than 100 MMBtu/hr.
APPLICABLE	62-210	62-210.700(1)	Excess Emissions.	
APPLICABLE	63 Subpart A	40CFR63.1— 63.16	Subpart A – General Provisions	EU 001 Boiler is subject to the notification requirements of Subpart DDDDD.
APPLICABLE	63 Subpart DDDDD	63.7485	Subpart DDDDD - Applicability	EU 001 Boiler is an industrial boiler of size >10 MMBtu/hr located at a major source of HAPs.
APPLICABLE	63 Subpart DDDDD	63.7490	Subpart DDDDD - Applicability	EU 001 Boiler is subject to the requirements of Subpart DDDDD for existing boilers.
APPLICABLE	63 Subpart DDDDD	63.7495	Subpart DDDDD – Compliance Dates	EU 001 Boiler must meet notification requirements and comply by September 13, 2007.
APPLICABLE	63 Subpart DDDDD	63.7499	Subpart DDDDD – Subcategories	EU 001 Boiler is in the large solid fuel subcategory.
APPLICABLE	63 Subpart DDDDD	63.7506	Subpart DDDDD – Limited Requirements	EU 001 Boiler must only meet the notification requirements of 63.9(b) at the present time.
APPLICABLE	63 Subpart DDDDD	63.7545	Subpart DDDDD – Notifications	EU 001 Boiler must submit the required notification by March 12, 2005.
APPLICABLE	63 Subpart DDDDD	Appendix A	Health-Based Compliance Alternative	Must submit demonstration by September 13, 2006
APPLICABLE	62-296 <	62-296.410	Carbonaceous Fuel Burning Equipment.	
APPLICABLE	62-296 <	62-296.410(1)	Carbonaceous Fuel Burning Equipment.	

**ATTACHMENT GP Hawthorne Boiler EU 001 Regulatory Applicability
G-P Hawthorne Plywood Plant, Putnam County**

APPLIC STAT	RULE DESCRIP	RULE NUMBER	RULE TITLE	RATIONALE FOR NON-APPLICABILITY
NON-APPLICABLE	62-296 <	62-296.410(1)(a)	Carbonaceous Fuel Burning Equipment.	Applies only to boilers with less than 30 MMBtu/hr heat input.
APPLICABLE	62-296 <	62-296.410(1)(b)	Carbonaceous Fuel Burning Equipment.	
NON-APPLICABLE	62-296 <	62-296.410(2)	New Emissions Units.	Applies only to boilers constructed after July 1, 1974. The EU 001 Boiler was constructed prior to July 1, 1974.
APPLICABLE	62-296 <	62-296.410(3)	Test Methods and Procedures.	
NON-APPLICABLE	62-296 >	62-296.703	Carbonaceous Fuel Burners.	G-P Hawthorne is not located in a PM air quality maintenance area or within the area of influence of such area.
APPLICABLE	62-297	62-297.310	General Compliance Test Requirements.	
APPLICABLE	62-297	62-297.401	Compliance Test Methods.	
APPLICABLE	62-297	62-297.401(1)(a)	EPA Method 1 - Sample and Velocity Traverses for Stationary sources - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(2)	EPA Method 2 - Determination of Stack Gas Velocity and Volumetric Flow Rate - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(3)	EPA Method 3 - Gas Analysis for Carbon Dioxide, Oxygen, Excess Air, and Dry Molecular Weight - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(4)	EPA Method 4 - Determination of Moisture Content in Stack Gases - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(5)	EPA Method 5 - Determination of Particulate Emissions from Stationary Sources - 40 CFR 60 Appendix A	
APPLICABLE	62-297	62-297.401(6)	EPA Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources - 40 CFR 60 Appendix A	
APPLICABLE	62-297	62-297.401(9)(a)	EPA Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources - 40 CFR 60 Appendix A	
APPLICABLE	62-297	62-297.440(1)(b)	ASTM Methods.	

READ.ME

.SFC/.PFL - AERMET SURFACE AND PROFILE MET DATA
HAWTH1.* - BPIP PRIME INPUT/OUTPUT AND SUMMARY FILES
HAFLBMAC.IYY/OYY/PYY - AERMOD INPUT, OUTPUT AND PLOTFILES FOR YEAR YY
RUN.BAT - BATCH FILE TO RUN AERMOD MODELS
HAFLBMAC.TXT - SUMMARY OF MODELING RESULTS

HAFLBMAC

AERBOB RELEASE 020304

AERMOD OUTPUT FILE NUMBER 1 :HAFLBMAC.001
 AERMOD OUTPUT FILE NUMBER 2 :HAFLBMAC.002
 AERMOD OUTPUT FILE NUMBER 3 :HAFLBMAC.003
 AERMOD OUTPUT FILE NUMBER 4 :HAFLBMAC.004
 AERMOD OUTPUT FILE NUMBER 5 :HAFLBMAC.005

First title for last output file is: 2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD
 9/06/06

Second title for last output file is: GAINESVILLE/JACKSONVILLE MET DATA 2001-2005

AVERAGING TIME	YEAR	CONC (ug/m3)	X (m)	Y (m)	PERIOD ENDING (YYMMDDHH)

SOURCE GROUP ID:	ALL				
Annual					
	2001	0.038	399738.	3273917.	01123124
	2002	0.031	399200.	3273697.	02123124
	2003	0.044	399738.	3273917.	03123124
	2004	0.044	399738.	3273917.	04123124
	2005	0.038	399738.	3273917.	05123124
All receptor computations reported with respect to a user-specified origin					
GRID	0.00	0.00			
DISCRETE	0.00	0.00			

'2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD

8/22/06'

'P'

'METERS' 1.00000000

'UTMY' 0.0000

6

'ESP_BLDG' 1 39.320
 4 27.432
 399535.286 3273823.642
 399533.900 3273814.891
 399517.277 3273817.524
 399518.672 3273826.334

'FUEL_HS' 1 38.370
 4 22.860
 399562.263 3273801.945
 399597.711 3273796.330
 399594.246 3273774.453
 399558.798 3273780.067

'BOILER' 1 40.580
 6 18.288
 399498.293 3273799.063
 399501.619 3273820.061
 399518.242 3273817.428
 399516.718 3273807.808
 399521.973 3273806.976
 399520.171 3273795.597

'PLYWD_PL' 1 42.470
 15 12.802
 399483.730 3273966.514
 399453.224 3273792.284
 399466.183 3273789.840
 399459.140 3273747.595
 399372.908 3273761.790
 399375.598 3273775.365
 399331.633 3273784.468
 399337.376 3273815.380
 399326.838 3273817.640
 399336.170 3273869.776
 399346.740 3273868.157
 399366.472 3273984.513
 399371.833 3274020.051
 399428.282 3274010.094
 399423.438 3273975.353

'MAINT' 1 40.640
 4 6.706
 399524.004 3273838.103
 399508.685 3273840.530
 399516.169 3273887.781
 399531.488 3273885.354

'BLD_6' 1 41.880
 6 6.706
 399515.768 3273888.097
 399558.185 3273881.218
 399563.344 3273924.782
 399542.709 3273927.075
 399543.855 3273932.234
 399522.646 3273935.100

1
 'ESP' 40.120 24.990 399531.100 3273819.820

2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD HAWTH1.pro 8/22/06

BPIP (Dated: 04274)

DATE : 9/ 6/2006
TIME : 14:50:27

2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD 8/22/06

=====
BPIP PROCESSING INFORMATION:
=====

The P flag has been set for preparing downwash related data for a model run utilizing the PRIME algorithm.

Inputs entered in METERS will be converted to meters using a conversion factor of 1.0000. Output will be in meters.

The UTM variable is set to UTM. The input is assumed to be in UTM coordinates. BPIP will move the UTM origin to the first pair of UTM coordinates read. The UTM coordinates of the new origin will be subtracted from all the other UTM coordinates entered to form this new local coordinate system.

Plant north is set to 0.00 degrees with respect to True North.

2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD 8/22/06

PRELIMINARY* GEP STACK HEIGHT RESULTS TABLE
(Output Units: meters)

Stack Name	Stack Height	Stack-Building Base Elevation Differences	GEP** EQN1	Preliminary* GEP Stack Height value
ESP	24.99	1.75	55.40	65.00

* Results are based on Determinants 1 & 2 on pages 1 & 2 of the GEP Technical Support Document. Determinant 3 may be investigated for additional stack height credit. Final values result after Determinant 3 has been taken into consideration.

** Results were derived from Equation 1 on page 6 of GEP Technical Support Document. Values have been adjusted for any stack-building base elevation differences.

Note: Criteria for determining stack heights for modeling emission limitations for a source can be found in Table 3.1 of the GEP Technical Support Document.

BPIP (Dated: 04274)

DATE : 9/ 6/2006
TIME : 14:50:27

2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD 8/22/06

BPIP output is in meters

HAWTH1.pro

SO BUILDHGT	ESP	27.43	27.43	27.43	27.43	27.43	27.43
SO BUILDHGT	ESP	27.43	27.43	18.29	18.29	22.86	22.86
SO BUILDHGT	ESP	22.86	22.86	22.86	27.43	27.43	27.43
SO BUILDHGT	ESP	27.43	27.43	27.43	27.43	27.43	27.43
SO BUILDHGT	ESP	27.43	27.43	18.29	18.29	22.86	22.86
SO BUILDHGT	ESP	22.86	22.86	22.86	27.43	27.43	27.43
SO BUILDWID	ESP	16.98	18.22	18.91	19.02	18.55	17.52
SO BUILDWID	ESP	15.96	13.91	24.46	21.55	28.59	33.54
SO BUILDWID	ESP	37.47	40.26	41.83	19.02	18.80	18.01
SO BUILDWID	ESP	16.98	18.22	18.91	19.02	18.55	17.52
SO BUILDWID	ESP	15.96	13.91	24.46	21.55	28.59	33.54
SO BUILDWID	ESP	37.47	40.26	41.83	19.02	18.80	18.01
SO BUILDLEN	ESP	9.15	11.91	14.30	16.26	17.73	18.66
SO BUILDLEN	ESP	19.02	18.80	23.68	22.52	39.46	41.44
SO BUILDLEN	ESP	42.17	41.62	39.80	15.96	13.91	11.44
SO BUILDLEN	ESP	9.15	11.91	14.30	16.26	17.73	18.66
SO BUILDLEN	ESP	19.02	18.80	23.68	22.52	39.46	41.44
SO BUILDLEN	ESP	42.17	41.62	39.80	15.96	13.91	11.44
SO XBADJ	ESP	-4.66	-6.89	-8.90	-10.64	-12.06	-13.12
SO XBADJ	ESP	-13.77	-14.01	-32.81	-29.07	35.40	35.93
SO XBADJ	ESP	35.36	33.72	31.06	-10.37	-8.57	-6.51
SO XBADJ	ESP	-4.49	-5.02	-5.40	-5.62	-5.66	-5.54
SO XBADJ	ESP	-5.24	-4.79	9.13	6.56	-74.85	-77.37
SO XBADJ	ESP	-77.53	-75.34	-70.86	-5.59	-5.34	-4.93
SO YBADJ	ESP	4.88	4.79	4.57	4.20	3.70	3.09
SO YBADJ	ESP	2.39	1.62	-11.99	-15.36	-13.59	-3.81
SO YBADJ	ESP	6.09	15.80	25.03	-4.27	-4.61	-4.82
SO YBADJ	ESP	-4.88	-4.79	-4.57	-4.20	-3.70	-3.09
SO YBADJ	ESP	-2.39	-1.62	11.99	15.36	13.59	3.81
SO YBADJ	ESP	-6.09	-15.80	-25.03	4.27	4.61	4.82

2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD HAWTH1.sup 8/22/06

BPIP (Dated: 04274)

DATE : 9/ 6/2006

TIME : 14:50:27

2001 HAWTHORNE MILL, TSM ANALYSIS - AERMOD 8/22/06

=====
BPIP PROCESSING INFORMATION:
=====

The P flag has been set for preparing downwash related data for a model run utilizing the PRIME algorithm.

Inputs entered in METERS will be converted to meters using a conversion factor of 1.0000. output will be in meters.

The UTM variable is set to UTM. The input is assumed to be in UTM coordinates. BPIP will move the UTM origin to the first pair of UTM coordinates read. The UTM coordinates of the new origin will be subtracted from all the other UTM coordinates entered to form this new local coordinate system.

The new local coordinates will be displayed in parentheses just below the UTM coordinates they represent.

Plant north is set to 0.00 degrees with respect to True North.

=====
INPUT SUMMARY:
=====

Number of buildings to be processed : 6

ESP_BLDG has 1 tier(s) with a base elevation of 39.32 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
ESP_BLDG	1	1	27.43	4	399535.29	3273823.64 meters
					(0.00	0.00) meters
					(399533.90	3273814.89 meters
					(-1.39	-8.75) meters
					(399517.28	3273817.52 meters
					(-18.01	-6.12) meters
					(399518.67	3273826.33 meters
					(-16.61	2.69) meters

FUEL_HS has 1 tier(s) with a base elevation of 38.37 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
FUEL_HS	1	2	22.86	4	399562.26	3273801.94 meters
					(26.98	-21.70) meters
					(399597.71	3273796.33 meters
					(62.42	-27.31) meters

HAWTH1.sup

399594.25 3273774.45 meters
 (58.96 -49.19) meters
 399558.80 3273780.07 meters
 (23.51 -43.58) meters

BOILER has 1 tier(s) with a base elevation of 40.58 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
BOILER	1	3	18.29	6	399498.29	3273799.06 meters
					(-36.99	-24.58) meters
					399501.62	3273820.06 meters
					(-33.67	-3.58) meters
					399518.24	3273817.43 meters
					(-17.04	-6.21) meters
					399516.72	3273807.81 meters
					(-18.57	-15.83) meters
					399521.97	3273806.98 meters
					(-13.31	-16.67) meters
					399520.17	3273795.60 meters
					(-15.11	-28.05) meters

PLYWD_PL has 1 tier(s) with a base elevation of 42.47 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
PLYWD_PL	1	4	12.80	15	399483.73	3273966.51 meters
					(-51.56	142.87) meters
					399453.22	3273792.28 meters
					(-82.06	-31.36) meters
					399466.18	3273789.84 meters
					(-69.10	-33.80) meters
					399459.14	3273747.60 meters
					(-76.15	-76.05) meters
					399372.91	3273761.79 meters
					(-162.38	-61.85) meters
					399375.60	3273775.37 meters
					(-159.69	-48.28) meters
					399331.63	3273784.47 meters
					(-203.65	-39.17) meters
					399337.38	3273815.38 meters
					(-197.91	-8.26) meters
					399326.84	3273817.64 meters
					(-208.45	-6.00) meters
					399336.17	3273869.78 meters
					(-199.12	46.13) meters
					399346.74	3273868.16 meters
					(-188.55	44.51) meters
					399366.47	3273984.51 meters
					(-168.81	160.87) meters
					399371.83	3274020.05 meters
					(-163.45	196.41) meters
					399428.28	3274010.09 meters
					(-107.00	186.45) meters
					399423.44	3273975.35 meters
					(-111.85	151.71) meters

MAINT has 1 tier(s) with a base elevation of 40.64 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	HAWTH1.sup NO. OF CORNERS	CORNER X	COORDINATES Y
MAINT	1	5	6.71	4	399524.00	3273838.10 meters
				(	-11.28	14.46) meters
				(	399508.68	3273840.53 meters
				(	-26.60	16.89) meters
				(	399516.17	3273887.78 meters
				(	-19.12	64.14) meters
				(	399531.49	3273885.35 meters
				(	-3.80	61.71) meters

BLD_6 has 1 tier(s) with a base elevation of 41.88 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
---------------	-------------	------------------	-------------	----------------	----------	---------------

BLD_6	1	6	6.71	6	399515.77	3273888.10 meters
				(	-19.52	64.46) meters
				(	399558.18	3273881.22 meters
				(	22.90	57.58) meters
				(	399563.34	3273924.78 meters
				(	28.06	101.14) meters
				(	399542.71	3273927.08 meters
				(	7.42	103.43) meters
				(	399543.85	3273932.23 meters
				(	8.57	108.59) meters
				(	399522.65	3273935.10 meters
				(	-12.64	111.46) meters

Number of stacks to be processed : 1

STACK NAME	STACK BASE	STACK HEIGHT	STACK X	COORDINATES Y	
ESP	40.12	24.99 METERS	399531.10	3273819.82 meters	
			(-4.19	-3.82) meters

The following lists the stacks that have been identified as being atop the noted building-tiers.

STACK NAME	NO.	BUILDING NAME	NO.	TIER NO.
ESP	1	ESP_BLDG	1	1

Overall GEP Summary Table
(Units: meters)

stkNo: 1 Stk Name:ESP Stk Ht: 24.99 Prelim. GEP Stk.Ht: 65.00
 GEP: BH: 22.86 PBW: 28.32 *Eqn1 Ht: 55.40
 *adjusted for a Stack-Building elevation difference of 1.75
 No. of Tiers affecting Stk: 1 Direction occurred: 289.50
 Bldg-Tier nos. contributing to GEP: 2

HAWTH1.sup
Summary By Direction Table
(Units: meters)

Dominate stand alone tiers:

Drtcn: 10.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 16.98 PBL: 9.15 *Wake Effect Ht:
 52.11
 Relative Coordinates of Projected Width Mid-point: XADJ: -4.66 YADJ: 4.88
 *adjusted for a Stack-Building elevation difference of 0.80
 BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 20.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 18.22 PBL: 11.91 *Wake Effect Ht:
 53.97
 Relative Coordinates of Projected Width Mid-point: XADJ: -6.89 YADJ: 4.79
 *adjusted for a Stack-Building elevation difference of 0.80
 BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 30.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 18.91 PBL: 14.30 *Wake Effect Ht:
 55.00
 Relative Coordinates of Projected Width Mid-point: XADJ: -8.90 YADJ: 4.57
 *adjusted for a Stack-Building elevation difference of 0.80
 BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 40.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 19.02 PBL: 16.26 *Wake Effect Ht:
 55.16
 Relative Coordinates of Projected Width Mid-point: XADJ: -10.64 YADJ: 4.20
 *adjusted for a Stack-Building elevation difference of 0.80
 BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 50.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 18.55 PBL: 17.73 *Wake Effect Ht:
 54.46
 Relative Coordinates of Projected Width Mid-point: XADJ: -12.06 YADJ: 3.70
 *adjusted for a Stack-Building elevation difference of 0.80
 BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 60.00

HAWTH1.sup

stkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 17.52 PBL: 18.66 *wake Effect Ht:
52.92
Relative Coordinates of Projected Width Mid-point: XADJ: -13.12 YADJ: 3.09
*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 70.00

stkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 15.96 PBL: 19.02 *wake Effect Ht:
50.57
Relative Coordinates of Projected Width Mid-point: XADJ: -13.77 YADJ: 2.39
*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 80.00

stkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 13.91 PBL: 18.80 *wake Effect Ht:
47.50
Relative Coordinates of Projected Width Mid-point: XADJ: -14.01 YADJ: 1.62
*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 90.00

stkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 18.29 PBW: 24.46 PBL: 23.68 *wake Effect Ht:
46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -32.81 YADJ: -11.99
*adjusted for a Stack-Building elevation difference of -0.46
BldNo: 3 Bld Name:BOILER TierNo: 1

Drtcn: 100.00

stkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 18.29 PBW: 21.55 PBL: 22.52 *wake Effect Ht:
46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -29.07 YADJ: -15.36
*adjusted for a Stack-Building elevation difference of -0.46
BldNo: 3 Bld Name:BOILER TierNo: 1

Drtcn: 110.00

stkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 28.59 PBL: 39.46 *wake Effect Ht:
55.40
Relative Coordinates of Projected Width Mid-point: XADJ: 35.40 YADJ: -13.59
*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

HAWTH1.sup

Drtcn: 120.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 33.54 PBL: 41.44 *Wake Effect Ht:
55.40
Relative Coordinates of Projected Width Mid-point: XADJ: 35.93 YADJ: -3.81
*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 130.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 37.47 PBL: 42.17 *Wake Effect Ht:
55.40
Relative Coordinates of Projected Width Mid-point: XADJ: 35.36 YADJ: 6.09
*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 140.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 40.26 PBL: 41.62 *Wake Effect Ht:
55.40
Relative Coordinates of Projected Width Mid-point: XADJ: 33.72 YADJ: 15.80
*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 150.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 41.83 PBL: 39.80 *Wake Effect Ht:
55.40
Relative Coordinates of Projected Width Mid-point: XADJ: 31.06 YADJ: 25.03
*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 160.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 19.02 PBL: 15.96 *Wake Effect Ht:
55.16
Relative Coordinates of Projected Width Mid-point: XADJ: -10.37 YADJ: -4.27
*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 170.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.80 PBL: 13.91 *Wake Effect Ht:
54.83
Relative Coordinates of Projected Width Mid-point: XADJ: -8.57 YADJ: -4.61
Page 6

HAWTH1.sup

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 180.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.01 PBL: 11.44 *wake Effect Ht:
53.65

Relative Coordinates of Projected width Mid-point: XADJ: -6.51 YADJ: -4.82

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 190.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 16.98 PBL: 9.15 *wake Effect Ht:
52.11

Relative Coordinates of Projected width Mid-point: XADJ: -4.49 YADJ: -4.88

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 200.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.22 PBL: 11.91 *wake Effect Ht:
53.97

Relative Coordinates of Projected width Mid-point: XADJ: -5.02 YADJ: -4.79

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 210.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 18.91 PBL: 14.30 *wake Effect Ht:
55.00

Relative Coordinates of Projected width Mid-point: XADJ: -5.40 YADJ: -4.57

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 220.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 19.02 PBL: 16.26 *wake Effect Ht:
55.16

Relative Coordinates of Projected width Mid-point: XADJ: -5.62 YADJ: -4.20

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 230.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40

HAWTH1.sup

Single tier MAX: BH: 27.43 PBW: 18.55 PBL: 17.73 *wake Effect Ht: 54.46

Relative Coordinates of Projected Width Mid-point: XADJ: -5.66 YADJ: -3.70

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 240.00

stkNo: 1 stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 17.52 PBL: 18.66 *wake Effect Ht: 52.92

Relative Coordinates of Projected Width Mid-point: XADJ: -5.54 YADJ: -3.09

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 250.00

stkNo: 1 stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 15.96 PBL: 19.02 *wake Effect Ht: 50.57

Relative Coordinates of Projected Width Mid-point: XADJ: -5.24 YADJ: -2.39

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 260.00

stkNo: 1 stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 13.91 PBL: 18.80 *wake Effect Ht: 47.50

Relative Coordinates of Projected Width Mid-point: XADJ: -4.79 YADJ: -1.62

*adjusted for a Stack-Building elevation difference of 0.80
BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 270.00

stkNo: 1 stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 18.29 PBW: 24.46 PBL: 23.68 *wake Effect Ht: 46.18

Relative Coordinates of Projected Width Mid-point: XADJ: 9.13 YADJ: 11.99

*adjusted for a Stack-Building elevation difference of -0.46
BldNo: 3 Bld Name:BOILER TierNo: 1

Drtcn: 280.00

stkNo: 1 stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 18.29 PBW: 21.55 PBL: 22.52 *wake Effect Ht: 46.18

Relative Coordinates of Projected width Mid-point: XADJ: 6.56 YADJ: 15.36

*adjusted for a Stack-Building elevation difference of -0.46
BldNo: 3 Bld Name:BOILER TierNo: 1

Drtcn: 290.00

HAWTH1.sup

stkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 28.59 PBL: 39.46 *Wake Effect Ht:
55.40
Relative Coordinates of Projected width Mid-point: XADJ: -74.85 YADJ: 13.59
*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 300.00

stkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 33.54 PBL: 41.44 *Wake Effect Ht:
55.40
Relative Coordinates of Projected width Mid-point: XADJ: -77.37 YADJ: 3.81
*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 310.00

stkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 37.47 PBL: 42.17 *Wake Effect Ht:
55.40
Relative Coordinates of Projected width Mid-point: XADJ: -77.53 YADJ: -6.09
*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 320.00

stkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 40.26 PBL: 41.62 *Wake Effect Ht:
55.40
Relative Coordinates of Projected width Mid-point: XADJ: -75.34 YADJ: -15.80
*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 330.00

stkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 22.86 PBW: 41.83 PBL: 39.80 *Wake Effect Ht:
55.40
Relative Coordinates of Projected width Mid-point: XADJ: -70.86 YADJ: -25.03
*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld Name:FUEL_HS TierNo: 1

Drtcn: 340.00

stkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Single tier MAX: BH: 27.43 PBW: 19.02 PBL: 15.96 *Wake Effect Ht:
55.16
Relative Coordinates of Projected width Mid-point: XADJ: -5.59 YADJ: 4.27
*adjusted for a Stack-Building elevation difference of 0.80

BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 350.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 18.80 PBL: 13.91 *Wake Effect Ht: 54.83
 Relative Coordinates of Projected width Mid-point: XADJ: -5.34 YADJ: 4.61
 *adjusted for a Stack-Building elevation difference of 0.80
 BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Drtcn: 360.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Single tier MAX: BH: 27.43 PBW: 18.01 PBL: 11.44 *Wake Effect Ht: 53.65
 Relative Coordinates of Projected width Mid-point: XADJ: -4.93 YADJ: 4.82
 *adjusted for a Stack-Building elevation difference of 0.80
 BldNo: 1 Bld Name:ESP_BLDG TierNo: 1

Dominant combined buildings:

Drtcn: 10.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 32.69 PBL: 30.63 *WE Ht: 46.18
 Relative Coordinates of Projected width Mid-point: XADJ: -26.14 YADJ: 12.73
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 20.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 32.10 PBL: 35.75 *WE Ht: 46.18
 Relative Coordinates of Projected width Mid-point: XADJ: -30.73 YADJ: 11.73
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 30.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.54 PBL: 39.78 *WE Ht: 46.18
 Relative Coordinates of Projected width Mid-point: XADJ: -34.38 YADJ: 10.38
 *adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 40.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99

HAWTH1.sup
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 29.94 PBL: 42.61 *WE Ht: 46.18
Relative Coordinates of Projected width Mid-point: XADJ: -36.99 YADJ: 7.77

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 50.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.67 PBL: 44.14 *WE Ht: 46.18
Relative Coordinates of Projected width Mid-point: XADJ: -38.47 YADJ: 3.80

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 60.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.46 PBL: 44.33 *WE Ht: 46.18
Relative Coordinates of Projected width Mid-point: XADJ: -38.79 YADJ: -0.28

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 70.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 29.40 PBL: 43.17 *WE Ht: 46.18
Relative Coordinates of Projected width Mid-point: XADJ: -37.93 YADJ: -4.33

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 80.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.53 PBL: 40.70 *WE Ht: 46.18
Relative Coordinates of Projected width Mid-point: XADJ: -35.91 YADJ: -6.69

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 90.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.74 PBL: 36.99 *WE Ht: 46.18
Relative Coordinates of Projected width Mid-point: XADJ: -32.81 YADJ: -8.85

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 100.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 30.63 PBL: 32.69 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -29.07 YADJ: -10.82

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 110.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 35.75 PBL: 32.10 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -27.79 YADJ: -12.85

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 120.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 39.78 PBL: 30.54 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -25.65 YADJ: -14.49

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 130.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 42.61 PBL: 29.94 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -22.74 YADJ: -15.69

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 140.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 44.14 PBL: 30.67 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -19.13 YADJ: -16.41

*adjusted for a Stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 150.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 44.33 PBL: 30.46 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -14.95 YADJ: -16.63

*adjusted for a Stack-Building elevation difference of -0.46

HAWTH1.sup

No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 160.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 43.17 PBL: 29.40 *WE Ht: 46.18
Relative Coordinates of Projected width Mid-point: XADJ: -10.37 YADJ: -16.34

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 170.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 40.70 PBL: 30.53 *WE Ht: 46.18
Relative Coordinates of Projected width Mid-point: XADJ: -8.57 YADJ: -15.56

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 180.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 36.99 PBL: 30.74 *WE Ht: 46.18
Relative Coordinates of Projected width Mid-point: XADJ: -6.51 YADJ: -14.31

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 190.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 32.69 PBL: 30.63 *WE Ht: 46.18
Relative Coordinates of Projected width Mid-point: XADJ: -4.49 YADJ: -12.73

*adjusted for a stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 200.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 32.10 PBL: 35.75 *WE Ht: 46.18
Relative Coordinates of Projected width Mid-point: XADJ: -5.02 YADJ: -11.73

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 210.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.54 PBL: 39.78 *WE Ht: 46.18

HAWTH1.sup

Relative Coordinates of Projected Width Mid-point: XADJ: -5.40 YADJ: -10.38

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 220.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 29.94 PBL: 42.61 *WE Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -5.62 YADJ: -7.77

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 230.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.67 PBL: 44.14 *WE Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -5.66 YADJ: -3.80

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 240.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.46 PBL: 44.33 *WE Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -5.54 YADJ: 0.28

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 250.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 29.40 PBL: 43.17 *WE Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -5.24 YADJ: 4.33

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 260.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.53 PBL: 40.70 *WE Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -4.79 YADJ: 6.69

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 270.00

HAWTH1.sup

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.74 PBL: 36.99 *WE Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -4.19 YADJ: 8.85

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 280.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 30.63 PBL: 32.69 *WE Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -3.61 YADJ: 10.82

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 290.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 35.75 PBL: 32.10 *WE Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -4.32 YADJ: 12.85

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 300.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 39.78 PBL: 30.54 *WE Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -4.89 YADJ: 14.49

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 310.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 42.61 PBL: 29.94 *WE Ht: 46.18
Relative Coordinates of Projected Width Mid-point: XADJ: -7.20 YADJ: 15.69

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 320.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
Combined tier MAX: BH: 18.29 PBW: 44.14 PBL: 30.67 *WE Ht: 46.18
Relative Coordinates of Projected width Mid-point: XADJ: -11.53 YADJ: 16.41

*adjusted for a Stack-Building elevation difference of -0.46
No. of Tiers affecting Stk: 2
Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 330.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 44.33 PBL: 30.46 *WE Ht: 46.18
 Relative Coordinates of Projected width Mid-point: XADJ: -15.51 YADJ: 16.63
 *adjusted for a stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 340.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 43.17 PBL: 29.40 *WE Ht: 46.18
 Relative Coordinates of Projected width Mid-point: XADJ: -19.02 YADJ: 16.34
 *adjusted for a stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 350.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 40.70 PBL: 30.53 *WE Ht: 46.18
 Relative Coordinates of Projected width Mid-point: XADJ: -21.96 YADJ: 15.56
 *adjusted for a stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

Drtcn: 360.00

StkNo: 1 Stk Name:ESP Stack Ht: 24.99
 GEP: BH: 22.86 PBW: 28.32 *Equation 1 Ht: 55.40
 Combined tier MAX: BH: 18.29 PBW: 36.99 PBL: 30.74 *WE Ht: 46.18
 Relative Coordinates of Projected width Mid-point: XADJ: -24.22 YADJ: 14.31
 *adjusted for a stack-Building elevation difference of -0.46
 No. of Tiers affecting Stk: 2
 Bldg-Tier nos. contributing to MAX: 3 1

* MODELING OPTIONS USED:

* CONC DFAULT ELEV

* PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL
 * FOR A TOTAL OF 1907 RECEPTORS.
 * FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP
NUM HRS	NET ID						
397530.00000	3271820.00000	0.00164	26.82	26.82	0.00	PERIOD	ALL
00008760							
397530.00000	3271920.00000	0.00169	26.82	26.82	0.00	PERIOD	ALL
00008760							
397530.00000	3272020.00000	0.00174	26.72	26.72	0.00	PERIOD	ALL
00008760							
397530.00000	3272120.00000	0.00180	26.82	26.82	0.00	PERIOD	ALL
00008760							
397530.00000	3272220.00000	0.00186	26.52	26.52	0.00	PERIOD	ALL
00008760							
397530.00000	3272320.00000	0.00193	26.82	26.82	0.00	PERIOD	ALL
00008760							
397530.00000	3272420.00000	0.00199	26.82	26.82	0.00	PERIOD	ALL
00008760							
397530.00000	3272520.00000	0.00205	26.82	26.82	0.00	PERIOD	ALL
00008760							
397530.00000	3272620.00000	0.00211	26.82	26.82	0.00	PERIOD	ALL
00008760							
397530.00000	3272720.00000	0.00215	26.82	26.82	0.00	PERIOD	ALL
00008760							
397530.00000	3272820.00000	0.00219	26.82	26.82	0.00	PERIOD	ALL
00008760							
397530.00000	3272920.00000	0.00222	26.82	26.82	0.00	PERIOD	ALL
00008760							
397530.00000	3273020.00000	0.00224	27.03	27.03	0.00	PERIOD	ALL
00008760							
397530.00000	3273120.00000	0.00226	26.82	26.82	0.00	PERIOD	ALL
00008760							
397530.00000	3273220.00000	0.00228	28.35	28.35	0.00	PERIOD	ALL
00008760							
397530.00000	3273320.00000	0.00230	31.60	31.60	0.00	PERIOD	ALL
00008760							
397530.00000	3273420.00000	0.00227	30.18	30.18	0.00	PERIOD	ALL
00008760							
397530.00000	3273520.00000	0.00224	31.09	31.09	0.00	PERIOD	ALL
00008760							
397530.00000	3273620.00000	0.00222	32.61	32.61	0.00	PERIOD	ALL
00008760							
397530.00000	3273720.00000	0.00215	32.31	32.31	0.00	PERIOD	ALL
00008760							
397530.00000	3273820.00000	0.00210	34.54	34.54	0.00	PERIOD	ALL
00008760							
397530.00000	3273920.00000	0.00200	34.24	34.24	0.00	PERIOD	ALL
00008760							
397530.00000	3274020.00000	0.00189	33.83	33.83	0.00	PERIOD	ALL
00008760							
397530.00000	3274120.00000	0.00178	33.43	33.43	0.00	PERIOD	ALL
00008760							
397530.00000	3274220.00000	0.00168	33.83	33.83	0.00	PERIOD	ALL
00008760							
397530.00000	3274320.00000	0.00159	33.53	33.53	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
397530.00000	3274420.00000	0.00153	34.34	34.34	0.00	PERIOD	ALL	
00008760								
397530.00000	3274520.00000	0.00147	34.75	34.75	0.00	PERIOD	ALL	
00008760								
397530.00000	3274620.00000	0.00142	34.75	34.75	0.00	PERIOD	ALL	
00008760								
397530.00000	3274720.00000	0.00138	35.15	35.15	0.00	PERIOD	ALL	
00008760								
397530.00000	3274820.00000	0.00135	35.36	35.36	0.00	PERIOD	ALL	
00008760								
397530.00000	3274920.00000	0.00131	34.44	34.44	0.00	PERIOD	ALL	
00008760								
397530.00000	3275020.00000	0.00126	32.72	32.72	0.00	PERIOD	ALL	
00008760								
397530.00000	3275120.00000	0.00121	30.07	30.07	0.00	PERIOD	ALL	
00008760								
397530.00000	3275220.00000	0.00118	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397530.00000	3275320.00000	0.00115	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397530.00000	3275420.00000	0.00112	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397530.00000	3275520.00000	0.00109	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397530.00000	3275620.00000	0.00107	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397530.00000	3275720.00000	0.00105	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397530.00000	3275820.00000	0.00103	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397630.00000	3271820.00000	0.00167	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3271920.00000	0.00173	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272020.00000	0.00179	26.70	26.70	0.00	PERIOD	ALL	
00008760								
397630.00000	3272120.00000	0.00185	26.68	26.68	0.00	PERIOD	ALL	
00008760								
397630.00000	3272220.00000	0.00191	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272320.00000	0.00198	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272420.00000	0.00205	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272520.00000	0.00212	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272620.00000	0.00219	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272720.00000	0.00224	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272820.00000	0.00229	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272920.00000	0.00233	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3273020.00000	0.00236	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3273120.00000	0.00238	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3273220.00000	0.00241	27.63	27.63	0.00	PERIOD	ALL	
00008760								
397630.00000	3273320.00000	0.00243	30.66	30.66	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03						
397630.00000	3273420.00000	0.00242	30.99	30.99	0.00	PERIOD	ALL	
00008760								
397630.00000	3273520.00000	0.00240	31.88	31.88	0.00	PERIOD	ALL	
00008760								
397630.00000	3273620.00000	0.00235	31.46	31.46	0.00	PERIOD	ALL	
00008760								
397630.00000	3273720.00000	0.00228	30.89	30.89	0.00	PERIOD	ALL	
00008760								
397630.00000	3273820.00000	0.00220	31.75	31.75	0.00	PERIOD	ALL	
00008760								
397630.00000	3273920.00000	0.00211	32.64	32.64	0.00	PERIOD	ALL	
00008760								
397630.00000	3274020.00000	0.00200	33.02	33.02	0.00	PERIOD	ALL	
00008760								
397630.00000	3274120.00000	0.00189	33.50	33.50	0.00	PERIOD	ALL	
00008760								
397630.00000	3274220.00000	0.00178	33.29	33.29	0.00	PERIOD	ALL	
00008760								
397630.00000	3274320.00000	0.00170	34.14	34.14	0.00	PERIOD	ALL	
00008760								
397630.00000	3274420.00000	0.00163	34.58	34.58	0.00	PERIOD	ALL	
00008760								
397630.00000	3274520.00000	0.00156	35.00	35.00	0.00	PERIOD	ALL	
00008760								
397630.00000	3274620.00000	0.00152	37.19	37.19	0.00	PERIOD	ALL	
00008760								
397630.00000	3274720.00000	0.00149	38.90	38.90	0.00	PERIOD	ALL	
00008760								
397630.00000	3274820.00000	0.00145	39.28	39.28	0.00	PERIOD	ALL	
00008760								
397630.00000	3274920.00000	0.00139	37.59	37.59	0.00	PERIOD	ALL	
00008760								
397630.00000	3275020.00000	0.00133	35.23	35.23	0.00	PERIOD	ALL	
00008760								
397630.00000	3275120.00000	0.00128	32.99	32.99	0.00	PERIOD	ALL	
00008760								
397630.00000	3275220.00000	0.00124	30.28	30.28	0.00	PERIOD	ALL	
00008760								
397630.00000	3275320.00000	0.00120	30.37	30.37	0.00	PERIOD	ALL	
00008760								
397630.00000	3275420.00000	0.00117	30.37	30.37	0.00	PERIOD	ALL	
00008760								
397630.00000	3275520.00000	0.00114	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397630.00000	3275620.00000	0.00112	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397630.00000	3275720.00000	0.00109	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397630.00000	3275820.00000	0.00107	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397730.00000	3271820.00000	0.00172	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3271920.00000	0.00178	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3272020.00000	0.00184	26.71	26.71	0.00	PERIOD	ALL	
00008760								
397730.00000	3272120.00000	0.00190	26.77	26.77	0.00	PERIOD	ALL	
00008760								
397730.00000	3272220.00000	0.00197	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3272320.00000	0.00204	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3272420.00000	0.00212	26.82	26.82	0.00	PERIOD	ALL	

HAFLBMAC.P03

00008760								
397730.00000	3272520.00000	0.00219	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3272620.00000	0.00227	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3272720.00000	0.00234	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3272820.00000	0.00240	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3272920.00000	0.00245	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3273020.00000	0.00249	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3273120.00000	0.00253	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3273220.00000	0.00255	27.07	27.07	0.00	PERIOD	ALL	
00008760								
397730.00000	3273320.00000	0.00258	29.57	29.57	0.00	PERIOD	ALL	
00008760								
397730.00000	3273420.00000	0.00258	30.58	30.58	0.00	PERIOD	ALL	
00008760								
397730.00000	3273520.00000	0.00255	31.09	31.09	0.00	PERIOD	ALL	
00008760								
397730.00000	3273620.00000	0.00250	30.19	30.19	0.00	PERIOD	ALL	
00008760								
397730.00000	3273720.00000	0.00242	29.67	29.67	0.00	PERIOD	ALL	
00008760								
397730.00000	3273820.00000	0.00236	33.06	33.06	0.00	PERIOD	ALL	
00008760								
397730.00000	3273920.00000	0.00227	35.11	35.11	0.00	PERIOD	ALL	
00008760								
397730.00000	3274020.00000	0.00215	35.36	35.36	0.00	PERIOD	ALL	
00008760								
397730.00000	3274120.00000	0.00202	35.33	35.33	0.00	PERIOD	ALL	
00008760								
397730.00000	3274220.00000	0.00190	35.41	35.41	0.00	PERIOD	ALL	
00008760								
397730.00000	3274320.00000	0.00183	36.68	36.68	0.00	PERIOD	ALL	
00008760								
397730.00000	3274420.00000	0.00176	37.73	37.73	0.00	PERIOD	ALL	
00008760								
397730.00000	3274520.00000	0.00168	37.60	37.60	0.00	PERIOD	ALL	
00008760								
397730.00000	3274620.00000	0.00164	39.73	39.73	0.00	PERIOD	ALL	
00008760								
397730.00000	3274720.00000	0.00158	41.19	41.19	0.00	PERIOD	ALL	
00008760								
397730.00000	3274820.00000	0.00154	40.79	40.79	0.00	PERIOD	ALL	
00008760								
397730.00000	3274920.00000	0.00147	37.39	37.39	0.00	PERIOD	ALL	
00008760								
397730.00000	3275020.00000	0.00140	34.19	34.19	0.00	PERIOD	ALL	
00008760								
397730.00000	3275120.00000	0.00135	32.31	32.31	0.00	PERIOD	ALL	
00008760								
397730.00000	3275220.00000	0.00130	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397730.00000	3275320.00000	0.00127	30.78	30.78	0.00	PERIOD	ALL	
00008760								
397730.00000	3275420.00000	0.00123	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397730.00000	3275520.00000	0.00120	29.87	29.87	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03						
397730.00000	3275620.00000	0.00117	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397730.00000	3275720.00000	0.00114	29.80	29.80	0.00	PERIOD	ALL	
00008760								
397730.00000	3275820.00000	0.00111	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397830.00000	3271820.00000	0.00177	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397830.00000	3271920.00000	0.00183	26.52	26.52	0.00	PERIOD	ALL	
00008760								
397830.00000	3272020.00000	0.00189	26.72	26.72	0.00	PERIOD	ALL	
00008760								
397830.00000	3272120.00000	0.00196	26.72	26.72	0.00	PERIOD	ALL	
00008760								
397830.00000	3272220.00000	0.00203	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397830.00000	3272320.00000	0.00211	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397830.00000	3272420.00000	0.00219	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397830.00000	3272520.00000	0.00227	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397830.00000	3272620.00000	0.00236	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397830.00000	3272720.00000	0.00244	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397830.00000	3272820.00000	0.00252	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397830.00000	3272920.00000	0.00258	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397830.00000	3273020.00000	0.00264	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397830.00000	3273120.00000	0.00269	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397830.00000	3273220.00000	0.00272	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397830.00000	3273320.00000	0.00276	29.16	29.16	0.00	PERIOD	ALL	
00008760								
397830.00000	3273420.00000	0.00276	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397830.00000	3273520.00000	0.00274	30.78	30.78	0.00	PERIOD	ALL	
00008760								
397830.00000	3273620.00000	0.00269	30.68	30.68	0.00	PERIOD	ALL	
00008760								
397830.00000	3273720.00000	0.00260	28.65	28.65	0.00	PERIOD	ALL	
00008760								
397830.00000	3273820.00000	0.00252	31.39	31.39	0.00	PERIOD	ALL	
00008760								
397830.00000	3273920.00000	0.00242	34.04	34.04	0.00	PERIOD	ALL	
00008760								
397830.00000	3274020.00000	0.00229	34.44	34.44	0.00	PERIOD	ALL	
00008760								
397830.00000	3274120.00000	0.00216	35.56	35.56	0.00	PERIOD	ALL	
00008760								
397830.00000	3274220.00000	0.00204	36.17	36.17	0.00	PERIOD	ALL	
00008760								
397830.00000	3274320.00000	0.00199	38.40	38.40	0.00	PERIOD	ALL	
00008760								
397830.00000	3274420.00000	0.00191	40.03	40.03	0.00	PERIOD	ALL	
00008760								
397830.00000	3274520.00000	0.00182	40.84	40.84	0.00	PERIOD	ALL	
00008760								
397830.00000	3274620.00000	0.00174	41.76	41.76	0.00	PERIOD	ALL	

HAFLBMAC.P03

00008760								
397830.00000	3274720.00000	0.00168	41.96	41.96	0.00	PERIOD	ALL	
00008760								
397830.00000	3274820.00000	0.00162	39.01	39.01	0.00	PERIOD	ALL	
00008760								
397830.00000	3274920.00000	0.00154	35.36	35.36	0.00	PERIOD	ALL	
00008760								
397830.00000	3275020.00000	0.00149	35.56	35.56	0.00	PERIOD	ALL	
00008760								
397830.00000	3275120.00000	0.00143	32.31	32.31	0.00	PERIOD	ALL	
00008760								
397830.00000	3275220.00000	0.00138	30.18	30.18	0.00	PERIOD	ALL	
00008760								
397830.00000	3275320.00000	0.00133	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397830.00000	3275420.00000	0.00129	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397830.00000	3275520.00000	0.00125	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397830.00000	3275620.00000	0.00122	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397830.00000	3275720.00000	0.00119	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397830.00000	3275820.00000	0.00115	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397930.00000	3271820.00000	0.00182	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3271920.00000	0.00188	26.72	26.72	0.00	PERIOD	ALL	
00008760								
397930.00000	3272020.00000	0.00195	26.64	26.64	0.00	PERIOD	ALL	
00008760								
397930.00000	3272120.00000	0.00202	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3272220.00000	0.00210	26.72	26.72	0.00	PERIOD	ALL	
00008760								
397930.00000	3272320.00000	0.00218	26.66	26.66	0.00	PERIOD	ALL	
00008760								
397930.00000	3272420.00000	0.00227	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3272520.00000	0.00236	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3272620.00000	0.00246	26.77	26.77	0.00	PERIOD	ALL	
00008760								
397930.00000	3272720.00000	0.00255	26.77	26.77	0.00	PERIOD	ALL	
00008760								
397930.00000	3272820.00000	0.00264	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3272920.00000	0.00273	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3273020.00000	0.00280	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3273120.00000	0.00286	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3273220.00000	0.00291	26.96	26.96	0.00	PERIOD	ALL	
00008760								
397930.00000	3273320.00000	0.00294	27.14	27.14	0.00	PERIOD	ALL	
00008760								
397930.00000	3273420.00000	0.00299	30.58	30.58	0.00	PERIOD	ALL	
00008760								
397930.00000	3273520.00000	0.00296	30.24	30.24	0.00	PERIOD	ALL	
00008760								
397930.00000	3273620.00000	0.00290	29.87	29.87	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03						
397930.00000	3273720.00000	0.00280	27.43	27.43	0.00	PERIOD	ALL	
00008760								
397930.00000	3273820.00000	0.00270	28.65	28.65	0.00	PERIOD	ALL	
00008760								
397930.00000	3273920.00000	0.00258	30.29	30.29	0.00	PERIOD	ALL	
00008760								
397930.00000	3274020.00000	0.00244	30.78	30.78	0.00	PERIOD	ALL	
00008760								
397930.00000	3274120.00000	0.00231	33.97	33.97	0.00	PERIOD	ALL	
00008760								
397930.00000	3274220.00000	0.00221	36.59	36.59	0.00	PERIOD	ALL	
00008760								
397930.00000	3274320.00000	0.00215	38.71	38.71	0.00	PERIOD	ALL	
00008760								
397930.00000	3274420.00000	0.00205	40.91	40.91	0.00	PERIOD	ALL	
00008760								
397930.00000	3274520.00000	0.00194	42.96	42.96	0.00	PERIOD	ALL	
00008760								
397930.00000	3274620.00000	0.00186	43.08	43.08	0.00	PERIOD	ALL	
00008760								
397930.00000	3274720.00000	0.00179	42.12	42.12	0.00	PERIOD	ALL	
00008760								
397930.00000	3274820.00000	0.00173	39.28	39.28	0.00	PERIOD	ALL	
00008760								
397930.00000	3274920.00000	0.00162	33.83	33.83	0.00	PERIOD	ALL	
00008760								
397930.00000	3275020.00000	0.00157	32.54	32.54	0.00	PERIOD	ALL	
00008760								
397930.00000	3275120.00000	0.00152	31.57	31.57	0.00	PERIOD	ALL	
00008760								
397930.00000	3275220.00000	0.00146	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397930.00000	3275320.00000	0.00141	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397930.00000	3275420.00000	0.00136	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397930.00000	3275520.00000	0.00132	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397930.00000	3275620.00000	0.00127	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397930.00000	3275720.00000	0.00123	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397930.00000	3275820.00000	0.00119	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3271820.00000	0.00189	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3271920.00000	0.00195	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3272020.00000	0.00202	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3272120.00000	0.00210	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3272220.00000	0.00218	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3272320.00000	0.00227	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3272420.00000	0.00236	26.75	26.75	0.00	PERIOD	ALL	
00008760								
398030.00000	3272520.00000	0.00246	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3272620.00000	0.00257	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3272720.00000	0.00268	26.82	26.82	0.00	PERIOD	ALL	

HAFLBMAC.P03

00008760								
398030.00000	3272820.00000	0.00278	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3272920.00000	0.00288	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3273020.00000	0.00298	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3273120.00000	0.00307	27.64	27.64	0.00	PERIOD	ALL	
00008760								
398030.00000	3273220.00000	0.00313	27.03	27.03	0.00	PERIOD	ALL	
00008760								
398030.00000	3273320.00000	0.00317	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3273420.00000	0.00320	27.23	27.23	0.00	PERIOD	ALL	
00008760								
398030.00000	3273520.00000	0.00319	27.88	27.88	0.00	PERIOD	ALL	
00008760								
398030.00000	3273620.00000	0.00313	27.03	27.03	0.00	PERIOD	ALL	
00008760								
398030.00000	3273720.00000	0.00304	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3273820.00000	0.00292	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3273920.00000	0.00278	27.27	27.27	0.00	PERIOD	ALL	
00008760								
398030.00000	3274020.00000	0.00262	27.94	27.94	0.00	PERIOD	ALL	
00008760								
398030.00000	3274120.00000	0.00249	31.89	31.89	0.00	PERIOD	ALL	
00008760								
398030.00000	3274220.00000	0.00241	35.08	35.08	0.00	PERIOD	ALL	
00008760								
398030.00000	3274320.00000	0.00233	37.69	37.69	0.00	PERIOD	ALL	
00008760								
398030.00000	3274420.00000	0.00222	39.64	39.64	0.00	PERIOD	ALL	
00008760								
398030.00000	3274520.00000	0.00212	41.02	41.02	0.00	PERIOD	ALL	
00008760								
398030.00000	3274620.00000	0.00202	41.86	41.86	0.00	PERIOD	ALL	
00008760								
398030.00000	3274720.00000	0.00194	40.66	40.66	0.00	PERIOD	ALL	
00008760								
398030.00000	3274820.00000	0.00183	37.92	37.92	0.00	PERIOD	ALL	
00008760								
398030.00000	3274920.00000	0.00174	33.73	33.73	0.00	PERIOD	ALL	
00008760								
398030.00000	3275020.00000	0.00167	30.66	30.66	0.00	PERIOD	ALL	
00008760								
398030.00000	3275120.00000	0.00161	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275220.00000	0.00154	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275320.00000	0.00148	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275420.00000	0.00143	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275520.00000	0.00138	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275620.00000	0.00133	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275720.00000	0.00127	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275820.00000	0.00122	29.87	29.87	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03					
398130.00000	3271820.00000	0.00196	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3271920.00000	0.00202	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272020.00000	0.00210	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272120.00000	0.00218	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272220.00000	0.00227	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272320.00000	0.00236	26.62	26.62	0.00	PERIOD	ALL
00008760							
398130.00000	3272420.00000	0.00247	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272520.00000	0.00258	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272620.00000	0.00269	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272720.00000	0.00282	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272820.00000	0.00294	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272920.00000	0.00306	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273020.00000	0.00317	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273120.00000	0.00329	28.65	28.65	0.00	PERIOD	ALL
00008760							
398130.00000	3273220.00000	0.00337	27.53	27.53	0.00	PERIOD	ALL
00008760							
398130.00000	3273320.00000	0.00343	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273420.00000	0.00347	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273520.00000	0.00347	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273620.00000	0.00342	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273720.00000	0.00333	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273820.00000	0.00320	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273920.00000	0.00304	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3274020.00000	0.00286	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3274120.00000	0.00271	28.75	28.75	0.00	PERIOD	ALL
00008760							
398130.00000	3274220.00000	0.00263	32.31	32.31	0.00	PERIOD	ALL
00008760							
398130.00000	3274320.00000	0.00253	35.36	35.36	0.00	PERIOD	ALL
00008760							
398130.00000	3274420.00000	0.00238	36.07	36.07	0.00	PERIOD	ALL
00008760							
398130.00000	3274520.00000	0.00229	38.20	38.20	0.00	PERIOD	ALL
00008760							
398130.00000	3274620.00000	0.00218	38.40	38.40	0.00	PERIOD	ALL
00008760							
398130.00000	3274720.00000	0.00205	36.68	36.68	0.00	PERIOD	ALL
00008760							
398130.00000	3274820.00000	0.00195	34.44	34.44	0.00	PERIOD	ALL
00008760							
398130.00000	3274920.00000	0.00186	31.09	31.09	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
398130.00000	3275020.00000	0.00179	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275120.00000	0.00171	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275220.00000	0.00163	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275320.00000	0.00157	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275420.00000	0.00150	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275520.00000	0.00144	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275620.00000	0.00137	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275720.00000	0.00131	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275820.00000	0.00126	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398230.00000	3271820.00000	0.00203	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3271920.00000	0.00211	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3272020.00000	0.00218	26.75	26.75	0.00	PERIOD	ALL	
00008760								
398230.00000	3272120.00000	0.00227	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3272220.00000	0.00237	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3272320.00000	0.00247	26.75	26.75	0.00	PERIOD	ALL	
00008760								
398230.00000	3272420.00000	0.00258	26.75	26.75	0.00	PERIOD	ALL	
00008760								
398230.00000	3272520.00000	0.00270	26.72	26.72	0.00	PERIOD	ALL	
00008760								
398230.00000	3272620.00000	0.00283	26.77	26.77	0.00	PERIOD	ALL	
00008760								
398230.00000	3272720.00000	0.00297	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3272820.00000	0.00311	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3272920.00000	0.00325	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3273020.00000	0.00338	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3273120.00000	0.00352	27.64	27.64	0.00	PERIOD	ALL	
00008760								
398230.00000	3273220.00000	0.00364	27.45	27.45	0.00	PERIOD	ALL	
00008760								
398230.00000	3273320.00000	0.00373	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3273420.00000	0.00381	27.33	27.33	0.00	PERIOD	ALL	
00008760								
398230.00000	3273520.00000	0.00382	26.88	26.88	0.00	PERIOD	ALL	
00008760								
398230.00000	3273620.00000	0.00378	26.88	26.88	0.00	PERIOD	ALL	
00008760								
398230.00000	3273720.00000	0.00368	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3273820.00000	0.00354	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3273920.00000	0.00336	26.82	26.82	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03					
398230.00000	3274020.00000	0.00317	27.53	27.53	0.00	PERIOD	ALL
00008760							
398230.00000	3274120.00000	0.00300	28.89	28.89	0.00	PERIOD	ALL
00008760							
398230.00000	3274220.00000	0.00290	29.51	29.51	0.00	PERIOD	ALL
00008760							
398230.00000	3274320.00000	0.00275	33.02	33.02	0.00	PERIOD	ALL
00008760							
398230.00000	3274420.00000	0.00261	34.07	34.07	0.00	PERIOD	ALL
00008760							
398230.00000	3274520.00000	0.00248	36.13	36.13	0.00	PERIOD	ALL
00008760							
398230.00000	3274620.00000	0.00233	34.95	34.95	0.00	PERIOD	ALL
00008760							
398230.00000	3274720.00000	0.00219	32.22	32.22	0.00	PERIOD	ALL
00008760							
398230.00000	3274820.00000	0.00210	31.77	31.77	0.00	PERIOD	ALL
00008760							
398230.00000	3274920.00000	0.00201	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275020.00000	0.00191	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275120.00000	0.00182	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275220.00000	0.00174	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275320.00000	0.00166	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275420.00000	0.00158	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275520.00000	0.00149	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275620.00000	0.00142	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275720.00000	0.00136	29.76	29.76	0.00	PERIOD	ALL
00008760							
398230.00000	3275820.00000	0.00130	29.87	29.87	0.00	PERIOD	ALL
00008760							
398330.00000	3271820.00000	0.00212	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3271920.00000	0.00220	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272020.00000	0.00228	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272120.00000	0.00237	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272220.00000	0.00247	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272320.00000	0.00259	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272420.00000	0.00271	26.75	26.75	0.00	PERIOD	ALL
00008760							
398330.00000	3272520.00000	0.00284	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272620.00000	0.00299	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272720.00000	0.00314	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272820.00000	0.00330	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272920.00000	0.00346	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3273020.00000	0.00362	26.82	26.82	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
398330.00000	3273120.00000	0.00379	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398330.00000	3273220.00000	0.00394	26.88	26.88	0.00	PERIOD	ALL	
00008760								
398330.00000	3273320.00000	0.00408	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398330.00000	3273420.00000	0.00422	29.16	29.16	0.00	PERIOD	ALL	
00008760								
398330.00000	3273520.00000	0.00428	29.86	29.86	0.00	PERIOD	ALL	
00008760								
398330.00000	3273620.00000	0.00423	27.82	27.82	0.00	PERIOD	ALL	
00008760								
398330.00000	3273720.00000	0.00412	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398330.00000	3273820.00000	0.00396	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398330.00000	3273920.00000	0.00377	27.98	27.98	0.00	PERIOD	ALL	
00008760								
398330.00000	3274020.00000	0.00357	31.29	31.29	0.00	PERIOD	ALL	
00008760								
398330.00000	3274120.00000	0.00339	31.39	31.39	0.00	PERIOD	ALL	
00008760								
398330.00000	3274220.00000	0.00326	32.22	32.22	0.00	PERIOD	ALL	
00008760								
398330.00000	3274320.00000	0.00307	35.15	35.15	0.00	PERIOD	ALL	
00008760								
398330.00000	3274420.00000	0.00291	36.83	36.83	0.00	PERIOD	ALL	
00008760								
398330.00000	3274520.00000	0.00273	37.01	37.01	0.00	PERIOD	ALL	
00008760								
398330.00000	3274620.00000	0.00252	33.43	33.43	0.00	PERIOD	ALL	
00008760								
398330.00000	3274720.00000	0.00239	30.11	30.11	0.00	PERIOD	ALL	
00008760								
398330.00000	3274820.00000	0.00228	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3274920.00000	0.00217	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275020.00000	0.00204	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275120.00000	0.00195	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275220.00000	0.00184	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275320.00000	0.00174	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275420.00000	0.00163	29.76	29.76	0.00	PERIOD	ALL	
00008760								
398330.00000	3275520.00000	0.00155	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275620.00000	0.00148	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275720.00000	0.00141	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275820.00000	0.00134	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398430.00000	3271820.00000	0.00221	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398430.00000	3271920.00000	0.00229	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398430.00000	3272020.00000	0.00239	26.82	26.82	0.00	PERIOD	ALL	
00008760								

HAFBMAC.P03

398430.00000	3272120.00000	0.00249	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272220.00000	0.00260	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272320.00000	0.00272	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272420.00000	0.00285	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272520.00000	0.00300	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272620.00000	0.00316	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272720.00000	0.00333	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272820.00000	0.00351	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272920.00000	0.00371	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3273020.00000	0.00391	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3273120.00000	0.00411	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3273220.00000	0.00432	27.84	27.84	0.00	PERIOD	ALL
00008760							
398430.00000	3273320.00000	0.00449	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3273420.00000	0.00467	28.04	28.04	0.00	PERIOD	ALL
00008760							
398430.00000	3273520.00000	0.00479	29.36	29.36	0.00	PERIOD	ALL
00008760							
398430.00000	3273620.00000	0.00474	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3273720.00000	0.00465	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3273820.00000	0.00450	28.55	28.55	0.00	PERIOD	ALL
00008760							
398430.00000	3273920.00000	0.00434	33.63	33.63	0.00	PERIOD	ALL
00008760							
398430.00000	3274020.00000	0.00409	35.66	35.66	0.00	PERIOD	ALL
00008760							
398430.00000	3274120.00000	0.00390	35.05	35.05	0.00	PERIOD	ALL
00008760							
398430.00000	3274220.00000	0.00371	35.76	35.76	0.00	PERIOD	ALL
00008760							
398430.00000	3274320.00000	0.00347	37.80	37.80	0.00	PERIOD	ALL
00008760							
398430.00000	3274420.00000	0.00324	38.00	38.00	0.00	PERIOD	ALL
00008760							
398430.00000	3274520.00000	0.00300	36.37	36.37	0.00	PERIOD	ALL
00008760							
398430.00000	3274620.00000	0.00281	35.05	35.05	0.00	PERIOD	ALL
00008760							
398430.00000	3274720.00000	0.00265	31.19	31.19	0.00	PERIOD	ALL
00008760							
398430.00000	3274820.00000	0.00249	29.87	29.87	0.00	PERIOD	ALL
00008760							
398430.00000	3274920.00000	0.00233	29.87	29.87	0.00	PERIOD	ALL
00008760							
398430.00000	3275020.00000	0.00221	29.87	29.87	0.00	PERIOD	ALL
00008760							
398430.00000	3275120.00000	0.00207	29.87	29.87	0.00	PERIOD	ALL
00008760							
398430.00000	3275220.00000	0.00193	29.57	29.57	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
398430.00000	3275320.00000	0.00181	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398430.00000	3275420.00000	0.00172	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398430.00000	3275520.00000	0.00163	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398430.00000	3275620.00000	0.00154	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398430.00000	3275720.00000	0.00145	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398430.00000	3275820.00000	0.00137	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398530.00000	3271820.00000	0.00230	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3271920.00000	0.00239	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272020.00000	0.00250	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272120.00000	0.00261	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272220.00000	0.00273	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272320.00000	0.00287	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272420.00000	0.00301	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272520.00000	0.00317	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272620.00000	0.00335	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272720.00000	0.00354	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272820.00000	0.00376	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272920.00000	0.00400	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3273020.00000	0.00424	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3273120.00000	0.00450	27.23	27.23	0.00	PERIOD	ALL	
00008760								
398530.00000	3273220.00000	0.00474	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3273320.00000	0.00502	28.54	28.54	0.00	PERIOD	ALL	
00008760								
398530.00000	3273420.00000	0.00526	29.57	29.57	0.00	PERIOD	ALL	
00008760								
398530.00000	3273520.00000	0.00541	29.18	29.18	0.00	PERIOD	ALL	
00008760								
398530.00000	3273620.00000	0.00540	26.88	26.88	0.00	PERIOD	ALL	
00008760								
398530.00000	3273720.00000	0.00531	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3273820.00000	0.00522	31.71	31.71	0.00	PERIOD	ALL	
00008760								
398530.00000	3273920.00000	0.00501	35.66	35.66	0.00	PERIOD	ALL	
00008760								
398530.00000	3274020.00000	0.00474	39.22	39.22	0.00	PERIOD	ALL	
00008760								
398530.00000	3274120.00000	0.00459	39.94	39.94	0.00	PERIOD	ALL	
00008760								
398530.00000	3274220.00000	0.00428	40.48	40.48	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03					
398530.00000	3274320.00000	0.00391	37.39	37.39	0.00	PERIOD	ALL
00008760							
398530.00000	3274420.00000	0.00357	34.23	34.23	0.00	PERIOD	ALL
00008760							
398530.00000	3274520.00000	0.00331	34.03	34.03	0.00	PERIOD	ALL
00008760							
398530.00000	3274620.00000	0.00311	31.29	31.29	0.00	PERIOD	ALL
00008760							
398530.00000	3274720.00000	0.00291	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3274820.00000	0.00270	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3274920.00000	0.00254	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275020.00000	0.00235	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275120.00000	0.00217	29.82	29.82	0.00	PERIOD	ALL
00008760							
398530.00000	3275220.00000	0.00203	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275320.00000	0.00191	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275420.00000	0.00180	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275520.00000	0.00169	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275620.00000	0.00158	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275720.00000	0.00148	29.76	29.76	0.00	PERIOD	ALL
00008760							
398530.00000	3275820.00000	0.00140	29.87	29.87	0.00	PERIOD	ALL
00008760							
398630.00000	3271820.00000	0.00238	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3271920.00000	0.00249	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272020.00000	0.00261	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272120.00000	0.00274	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272220.00000	0.00288	27.03	27.03	0.00	PERIOD	ALL
00008760							
398630.00000	3272320.00000	0.00303	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272420.00000	0.00319	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272520.00000	0.00337	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272620.00000	0.00356	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272720.00000	0.00378	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272820.00000	0.00403	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272920.00000	0.00432	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3273020.00000	0.00467	28.76	28.76	0.00	PERIOD	ALL
00008760							
398630.00000	3273120.00000	0.00501	29.57	29.57	0.00	PERIOD	ALL
00008760							
398630.00000	3273220.00000	0.00527	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3273320.00000	0.00560	27.09	27.09	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
398630.00000	3273420.00000	0.00590	26.92	26.92	0.00	PERIOD	ALL	
00008760								
398630.00000	3273520.00000	0.00618	28.82	28.82	0.00	PERIOD	ALL	
00008760								
398630.00000	3273620.00000	0.00631	29.95	29.95	0.00	PERIOD	ALL	
00008760								
398630.00000	3273720.00000	0.00618	27.43	27.43	0.00	PERIOD	ALL	
00008760								
398630.00000	3273820.00000	0.00606	31.79	31.79	0.00	PERIOD	ALL	
00008760								
398630.00000	3273920.00000	0.00580	35.05	35.05	0.00	PERIOD	ALL	
00008760								
398630.00000	3274020.00000	0.00554	39.42	39.42	0.00	PERIOD	ALL	
00008760								
398630.00000	3274120.00000	0.00531	41.58	41.58	0.00	PERIOD	ALL	
00008760								
398630.00000	3274220.00000	0.00486	41.65	41.65	0.00	PERIOD	ALL	
00008760								
398630.00000	3274320.00000	0.00442	36.88	36.88	0.00	PERIOD	ALL	
00008760								
398630.00000	3274420.00000	0.00395	30.80	30.80	0.00	PERIOD	ALL	
00008760								
398630.00000	3274520.00000	0.00369	29.93	29.93	0.00	PERIOD	ALL	
00008760								
398630.00000	3274620.00000	0.00347	30.18	30.18	0.00	PERIOD	ALL	
00008760								
398630.00000	3274720.00000	0.00319	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3274820.00000	0.00296	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3274920.00000	0.00272	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275020.00000	0.00248	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275120.00000	0.00231	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275220.00000	0.00216	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275320.00000	0.00201	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275420.00000	0.00186	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275520.00000	0.00173	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275620.00000	0.00161	29.76	29.76	0.00	PERIOD	ALL	
00008760								
398630.00000	3275720.00000	0.00151	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275820.00000	0.00143	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398730.00000	3271820.00000	0.00249	31.60	31.60	0.00	PERIOD	ALL	
00008760								
398730.00000	3271920.00000	0.00260	29.57	29.57	0.00	PERIOD	ALL	
00008760								
398730.00000	3272020.00000	0.00272	27.84	27.84	0.00	PERIOD	ALL	
00008760								
398730.00000	3272120.00000	0.00289	29.36	29.36	0.00	PERIOD	ALL	
00008760								
398730.00000	3272220.00000	0.00305	29.57	29.57	0.00	PERIOD	ALL	
00008760								
398730.00000	3272320.00000	0.00320	27.74	27.74	0.00	PERIOD	ALL	
00008760								

HAFBMAC.P03

398730.00000	3272420.00000	0.00338	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3272520.00000	0.00358	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3272620.00000	0.00380	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3272720.00000	0.00406	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3272820.00000	0.00435	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3272920.00000	0.00473	29.06	29.06	0.00	PERIOD	ALL
00008760							
398730.00000	3273020.00000	0.00518	31.90	31.90	0.00	PERIOD	ALL
00008760							
398730.00000	3273120.00000	0.00557	29.26	29.26	0.00	PERIOD	ALL
00008760							
398730.00000	3273220.00000	0.00596	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3273320.00000	0.00636	27.53	27.53	0.00	PERIOD	ALL
00008760							
398730.00000	3273420.00000	0.00677	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3273520.00000	0.00712	27.13	27.13	0.00	PERIOD	ALL
00008760							
398730.00000	3273620.00000	0.00736	28.55	28.55	0.00	PERIOD	ALL
00008760							
398730.00000	3273720.00000	0.00741	31.70	31.70	0.00	PERIOD	ALL
00008760							
398730.00000	3273820.00000	0.00720	33.22	33.22	0.00	PERIOD	ALL
00008760							
398730.00000	3273920.00000	0.00685	35.66	35.66	0.00	PERIOD	ALL
00008760							
398730.00000	3274020.00000	0.00653	38.40	38.40	0.00	PERIOD	ALL
00008760							
398730.00000	3274120.00000	0.00621	39.73	39.73	0.00	PERIOD	ALL
00008760							
398730.00000	3274220.00000	0.00565	40.13	40.13	0.00	PERIOD	ALL
00008760							
398730.00000	3274320.00000	0.00501	35.97	35.97	0.00	PERIOD	ALL
00008760							
398730.00000	3274420.00000	0.00450	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3274520.00000	0.00420	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3274620.00000	0.00384	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3274720.00000	0.00354	30.58	30.58	0.00	PERIOD	ALL
00008760							
398730.00000	3274820.00000	0.00318	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3274920.00000	0.00289	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3275020.00000	0.00266	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3275120.00000	0.00246	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3275220.00000	0.00226	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3275320.00000	0.00207	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3275420.00000	0.00190	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3275520.00000	0.00176	29.87	29.87	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
398730.00000	3275620.00000	0.00164	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398730.00000	3275720.00000	0.00154	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398730.00000	3275820.00000	0.00145	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398830.00000	3271820.00000	0.00260	36.43	36.43	0.00	PERIOD	ALL	
00008760								
398830.00000	3271920.00000	0.00270	32.31	32.31	0.00	PERIOD	ALL	
00008760								
398830.00000	3272020.00000	0.00285	31.16	31.16	0.00	PERIOD	ALL	
00008760								
398830.00000	3272120.00000	0.00300	29.89	29.89	0.00	PERIOD	ALL	
00008760								
398830.00000	3272220.00000	0.00320	30.78	30.78	0.00	PERIOD	ALL	
00008760								
398830.00000	3272320.00000	0.00339	30.22	30.22	0.00	PERIOD	ALL	
00008760								
398830.00000	3272420.00000	0.00361	30.15	30.15	0.00	PERIOD	ALL	
00008760								
398830.00000	3272520.00000	0.00381	27.94	27.94	0.00	PERIOD	ALL	
00008760								
398830.00000	3272620.00000	0.00406	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398830.00000	3272720.00000	0.00436	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398830.00000	3272820.00000	0.00472	27.64	27.64	0.00	PERIOD	ALL	
00008760								
398830.00000	3272920.00000	0.00523	31.89	31.89	0.00	PERIOD	ALL	
00008760								
398830.00000	3273020.00000	0.00569	31.45	31.45	0.00	PERIOD	ALL	
00008760								
398830.00000	3273120.00000	0.00621	29.26	29.26	0.00	PERIOD	ALL	
00008760								
398830.00000	3273220.00000	0.00684	27.43	27.43	0.00	PERIOD	ALL	
00008760								
398830.00000	3273320.00000	0.00748	29.76	29.76	0.00	PERIOD	ALL	
00008760								
398830.00000	3273420.00000	0.00809	31.29	31.29	0.00	PERIOD	ALL	
00008760								
398830.00000	3273520.00000	0.00860	31.91	31.91	0.00	PERIOD	ALL	
00008760								
398830.00000	3273620.00000	0.00888	30.01	30.01	0.00	PERIOD	ALL	
00008760								
398830.00000	3273720.00000	0.00875	28.45	28.45	0.00	PERIOD	ALL	
00008760								
398830.00000	3273820.00000	0.00856	31.53	31.53	0.00	PERIOD	ALL	
00008760								
398830.00000	3273920.00000	0.00814	34.36	34.36	0.00	PERIOD	ALL	
00008760								
398830.00000	3274020.00000	0.00775	36.37	36.37	0.00	PERIOD	ALL	
00008760								
398830.00000	3274120.00000	0.00721	38.60	38.60	0.00	PERIOD	ALL	
00008760								
398830.00000	3274220.00000	0.00646	37.96	37.96	0.00	PERIOD	ALL	
00008760								
398830.00000	3274320.00000	0.00571	33.93	33.93	0.00	PERIOD	ALL	
00008760								
398830.00000	3274420.00000	0.00519	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398830.00000	3274520.00000	0.00472	29.87	29.87	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03					
398830.00000	3274620.00000	0.00428	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3274720.00000	0.00381	29.94	29.94	0.00	PERIOD	ALL
00008760							
398830.00000	3274820.00000	0.00342	30.05	30.05	0.00	PERIOD	ALL
00008760							
398830.00000	3274920.00000	0.00312	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275020.00000	0.00283	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275120.00000	0.00256	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275220.00000	0.00231	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275320.00000	0.00211	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275420.00000	0.00194	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275520.00000	0.00179	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275620.00000	0.00167	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275720.00000	0.00157	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275820.00000	0.00148	29.87	29.87	0.00	PERIOD	ALL
00008760							
398930.00000	3271820.00000	0.00265	36.67	36.67	0.00	PERIOD	ALL
00008760							
398930.00000	3271920.00000	0.00275	31.50	31.50	0.00	PERIOD	ALL
00008760							
398930.00000	3272020.00000	0.00289	29.25	29.25	0.00	PERIOD	ALL
00008760							
398930.00000	3272120.00000	0.00304	25.77	25.77	0.00	PERIOD	ALL
00008760							
398930.00000	3272220.00000	0.00329	28.96	28.96	0.00	PERIOD	ALL
00008760							
398930.00000	3272320.00000	0.00354	30.91	30.91	0.00	PERIOD	ALL
00008760							
398930.00000	3272420.00000	0.00383	33.21	33.21	0.00	PERIOD	ALL
00008760							
398930.00000	3272520.00000	0.00414	34.44	34.44	0.00	PERIOD	ALL
00008760							
398930.00000	3272620.00000	0.00438	30.55	32.00	0.00	PERIOD	ALL
00008760							
398930.00000	3272720.00000	0.00468	27.00	27.00	0.00	PERIOD	ALL
00008760							
398930.00000	3272820.00000	0.00516	30.48	30.48	0.00	PERIOD	ALL
00008760							
398930.00000	3272920.00000	0.00576	34.10	34.10	0.00	PERIOD	ALL
00008760							
398930.00000	3273020.00000	0.00628	30.58	30.58	0.00	PERIOD	ALL
00008760							
398930.00000	3273120.00000	0.00696	28.35	28.35	0.00	PERIOD	ALL
00008760							
398930.00000	3273220.00000	0.00785	28.85	28.85	0.00	PERIOD	ALL
00008760							
398930.00000	3273320.00000	0.00914	32.47	32.47	0.00	PERIOD	ALL
00008760							
398930.00000	3273420.00000	0.00995	35.66	35.66	0.00	PERIOD	ALL
00008760							
398930.00000	3273520.00000	0.01070	36.01	36.01	0.00	PERIOD	ALL
00008760							
398930.00000	3273620.00000	0.01110	33.89	33.89	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
398930.00000	3273720.00000	0.01095	31.80	31.80	0.00	PERIOD	ALL	
00008760								
398930.00000	3273820.00000	0.01034	30.52	30.52	0.00	PERIOD	ALL	
00008760								
398930.00000	3273920.00000	0.00978	32.90	32.90	0.00	PERIOD	ALL	
00008760								
398930.00000	3274020.00000	0.00947	37.59	37.59	0.00	PERIOD	ALL	
00008760								
398930.00000	3274120.00000	0.00849	37.82	37.82	0.00	PERIOD	ALL	
00008760								
398930.00000	3274220.00000	0.00733	33.35	33.35	0.00	PERIOD	ALL	
00008760								
398930.00000	3274320.00000	0.00656	29.97	29.97	0.00	PERIOD	ALL	
00008760								
398930.00000	3274420.00000	0.00592	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3274520.00000	0.00529	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3274620.00000	0.00465	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3274720.00000	0.00414	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3274820.00000	0.00371	30.42	30.42	0.00	PERIOD	ALL	
00008760								
398930.00000	3274920.00000	0.00329	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275020.00000	0.00291	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275120.00000	0.00260	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275220.00000	0.00235	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275320.00000	0.00215	29.94	29.94	0.00	PERIOD	ALL	
00008760								
398930.00000	3275420.00000	0.00198	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275520.00000	0.00184	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275620.00000	0.00172	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275720.00000	0.00161	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275820.00000	0.00151	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399030.00000	3271820.00000	0.00264	34.34	34.34	0.00	PERIOD	ALL	
00008760								
399030.00000	3271920.00000	0.00277	31.39	31.39	0.00	PERIOD	ALL	
00008760								
399030.00000	3272020.00000	0.00294	29.46	29.46	0.00	PERIOD	ALL	
00008760								
399030.00000	3272120.00000	0.00310	25.70	25.70	0.00	PERIOD	ALL	
00008760								
399030.00000	3272220.00000	0.00335	28.04	28.04	0.00	PERIOD	ALL	
00008760								
399030.00000	3272320.00000	0.00367	32.00	32.00	0.00	PERIOD	ALL	
00008760								
399030.00000	3272420.00000	0.00400	34.54	34.54	0.00	PERIOD	ALL	
00008760								
399030.00000	3272520.00000	0.00435	35.66	35.66	0.00	PERIOD	ALL	
00008760								
399030.00000	3272620.00000	0.00465	31.80	31.80	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03					
399030.00000	3272720.00000	0.00503	29.46	29.46	0.00	PERIOD	ALL
00008760							
399030.00000	3272820.00000	0.00548	27.13	27.13	0.00	PERIOD	ALL
00008760							
399030.00000	3272920.00000	0.00621	31.50	31.50	0.00	PERIOD	ALL
00008760							
399030.00000	3273020.00000	0.00684	28.14	30.18	0.00	PERIOD	ALL
00008760							
399030.00000	3273120.00000	0.00775	27.74	27.74	0.00	PERIOD	ALL
00008760							
399030.00000	3273220.00000	0.00913	30.38	30.38	0.00	PERIOD	ALL
00008760							
399030.00000	3273320.00000	0.01062	33.22	33.22	0.00	PERIOD	ALL
00008760							
399030.00000	3273420.00000	0.01274	38.40	38.40	0.00	PERIOD	ALL
00008760							
399030.00000	3273520.00000	0.01327	38.20	38.20	0.00	PERIOD	ALL
00008760							
399030.00000	3273620.00000	0.01401	36.58	36.58	0.00	PERIOD	ALL
00008760							
399030.00000	3273720.00000	0.01413	35.66	35.66	0.00	PERIOD	ALL
00008760							
399030.00000	3273820.00000	0.01307	34.34	34.34	0.00	PERIOD	ALL
00008760							
399030.00000	3273920.00000	0.01195	32.82	32.82	0.00	PERIOD	ALL
00008760							
399030.00000	3274020.00000	0.01122	35.05	35.05	0.00	PERIOD	ALL
00008760							
399030.00000	3274120.00000	0.00983	34.85	34.85	0.00	PERIOD	ALL
00008760							
399030.00000	3274220.00000	0.00850	30.28	30.28	0.00	PERIOD	ALL
00008760							
399030.00000	3274320.00000	0.00757	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3274420.00000	0.00666	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3274520.00000	0.00578	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3274620.00000	0.00508	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3274720.00000	0.00444	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3274820.00000	0.00385	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3274920.00000	0.00338	30.48	30.48	0.00	PERIOD	ALL
00008760							
399030.00000	3275020.00000	0.00298	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3275120.00000	0.00267	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3275220.00000	0.00243	31.09	31.09	0.00	PERIOD	ALL
00008760							
399030.00000	3275320.00000	0.00222	31.50	31.50	0.00	PERIOD	ALL
00008760							
399030.00000	3275420.00000	0.00205	31.50	31.50	0.00	PERIOD	ALL
00008760							
399030.00000	3275520.00000	0.00189	31.39	31.39	0.00	PERIOD	ALL
00008760							
399030.00000	3275620.00000	0.00176	30.38	30.38	0.00	PERIOD	ALL
00008760							
399030.00000	3275720.00000	0.00165	30.68	30.68	0.00	PERIOD	ALL
00008760							
399030.00000	3275820.00000	0.00155	30.48	30.48	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
399130.00000	3271820.00000	0.00264	34.94	34.94	0.00	PERIOD	ALL	
00008760								
399130.00000	3271920.00000	0.00278	32.51	32.51	0.00	PERIOD	ALL	
00008760								
399130.00000	3272020.00000	0.00294	29.68	29.68	0.00	PERIOD	ALL	
00008760								
399130.00000	3272120.00000	0.00314	28.18	28.18	0.00	PERIOD	ALL	
00008760								
399130.00000	3272220.00000	0.00341	30.38	30.38	0.00	PERIOD	ALL	
00008760								
399130.00000	3272320.00000	0.00372	31.91	31.91	0.00	PERIOD	ALL	
00008760								
399130.00000	3272420.00000	0.00404	32.14	32.14	0.00	PERIOD	ALL	
00008760								
399130.00000	3272520.00000	0.00447	35.26	35.26	0.00	PERIOD	ALL	
00008760								
399130.00000	3272620.00000	0.00485	32.89	32.89	0.00	PERIOD	ALL	
00008760								
399130.00000	3272720.00000	0.00527	29.14	29.14	0.00	PERIOD	ALL	
00008760								
399130.00000	3272820.00000	0.00582	26.82	26.82	0.00	PERIOD	ALL	
00008760								
399130.00000	3272920.00000	0.00658	27.00	27.00	0.00	PERIOD	ALL	
00008760								
399130.00000	3273020.00000	0.00748	26.82	26.82	0.00	PERIOD	ALL	
00008760								
399130.00000	3273120.00000	0.00860	26.82	26.82	0.00	PERIOD	ALL	
00008760								
399130.00000	3273220.00000	0.01037	29.71	29.71	0.00	PERIOD	ALL	
00008760								
399130.00000	3273320.00000	0.01289	34.86	34.86	0.00	PERIOD	ALL	
00008760								
399130.00000	3273420.00000	0.01567	40.64	40.64	0.00	PERIOD	ALL	
00008760								
399130.00000	3273520.00000	0.01836	40.91	40.91	0.00	PERIOD	ALL	
00008760								
399130.00000	3273620.00000	0.01875	40.73	40.73	0.00	PERIOD	ALL	
00008760								
399130.00000	3273720.00000	0.01929	39.62	39.62	0.00	PERIOD	ALL	
00008760								
399130.00000	3273820.00000	0.01714	38.97	38.97	0.00	PERIOD	ALL	
00008760								
399130.00000	3273920.00000	0.01558	38.14	38.14	0.00	PERIOD	ALL	
00008760								
399130.00000	3274020.00000	0.01322	32.72	32.72	0.00	PERIOD	ALL	
00008760								
399130.00000	3274120.00000	0.01127	30.31	30.31	0.00	PERIOD	ALL	
00008760								
399130.00000	3274220.00000	0.00991	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399130.00000	3274320.00000	0.00854	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399130.00000	3274420.00000	0.00734	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399130.00000	3274520.00000	0.00632	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399130.00000	3274620.00000	0.00540	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399130.00000	3274720.00000	0.00467	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399130.00000	3274820.00000	0.00403	29.87	29.87	0.00	PERIOD	ALL	
00008760								

HAFLBMAC.P03

399130.00000	3274920.00000	0.00352	30.99	30.99	0.00	PERIOD	ALL
00008760							
399130.00000	3275020.00000	0.00311	31.82	31.82	0.00	PERIOD	ALL
00008760							
399130.00000	3275120.00000	0.00279	32.70	32.70	0.00	PERIOD	ALL
00008760							
399130.00000	3275220.00000	0.00254	34.85	34.85	0.00	PERIOD	ALL
00008760							
399130.00000	3275320.00000	0.00232	36.05	36.05	0.00	PERIOD	ALL
00008760							
399130.00000	3275420.00000	0.00212	34.87	34.87	0.00	PERIOD	ALL
00008760							
399130.00000	3275520.00000	0.00196	33.73	33.73	0.00	PERIOD	ALL
00008760							
399130.00000	3275620.00000	0.00181	32.61	32.61	0.00	PERIOD	ALL
00008760							
399130.00000	3275720.00000	0.00169	32.36	32.36	0.00	PERIOD	ALL
00008760							
399130.00000	3275820.00000	0.00158	32.41	32.41	0.00	PERIOD	ALL
00008760							
399230.00000	3271820.00000	0.00260	34.33	34.33	0.00	PERIOD	ALL
00008760							
399230.00000	3271920.00000	0.00276	33.53	33.53	0.00	PERIOD	ALL
00008760							
399230.00000	3272020.00000	0.00291	29.86	29.86	0.00	PERIOD	ALL
00008760							
399230.00000	3272120.00000	0.00312	28.96	28.96	0.00	PERIOD	ALL
00008760							
399230.00000	3272220.00000	0.00342	32.21	32.21	0.00	PERIOD	ALL
00008760							
399230.00000	3272320.00000	0.00373	33.72	33.72	0.00	PERIOD	ALL
00008760							
399230.00000	3272420.00000	0.00405	32.90	32.90	0.00	PERIOD	ALL
00008760							
399230.00000	3272520.00000	0.00446	33.93	33.93	0.00	PERIOD	ALL
00008760							
399230.00000	3272620.00000	0.00488	31.64	31.64	0.00	PERIOD	ALL
00008760							
399230.00000	3272720.00000	0.00538	28.92	28.92	0.00	PERIOD	ALL
00008760							
399230.00000	3272820.00000	0.00602	26.82	26.82	0.00	PERIOD	ALL
00008760							
399230.00000	3272920.00000	0.00688	26.82	26.82	0.00	PERIOD	ALL
00008760							
399230.00000	3273020.00000	0.00805	26.82	26.82	0.00	PERIOD	ALL
00008760							
399230.00000	3273120.00000	0.00976	28.45	28.45	0.00	PERIOD	ALL
00008760							
399230.00000	3273220.00000	0.01201	32.95	32.95	0.00	PERIOD	ALL
00008760							
399230.00000	3274020.00000	0.01608	35.76	35.76	0.00	PERIOD	ALL
00008760							
399230.00000	3274120.00000	0.01367	32.72	32.72	0.00	PERIOD	ALL
00008760							
399230.00000	3274220.00000	0.01119	30.01	30.01	0.00	PERIOD	ALL
00008760							
399230.00000	3274320.00000	0.00950	29.87	29.87	0.00	PERIOD	ALL
00008760							
399230.00000	3274420.00000	0.00814	29.87	29.87	0.00	PERIOD	ALL
00008760							
399230.00000	3274520.00000	0.00704	29.87	29.87	0.00	PERIOD	ALL
00008760							
399230.00000	3274620.00000	0.00590	29.87	29.87	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
399230.00000	3274720.00000	0.00495	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399230.00000	3274820.00000	0.00422	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399230.00000	3274920.00000	0.00369	32.82	32.82	0.00	PERIOD	ALL	
00008760								
399230.00000	3275020.00000	0.00325	33.22	33.22	0.00	PERIOD	ALL	
00008760								
399230.00000	3275120.00000	0.00292	35.63	35.63	0.00	PERIOD	ALL	
00008760								
399230.00000	3275220.00000	0.00264	36.98	36.98	0.00	PERIOD	ALL	
00008760								
399230.00000	3275320.00000	0.00243	39.57	39.57	0.00	PERIOD	ALL	
00008760								
399230.00000	3275420.00000	0.00220	36.90	36.90	0.00	PERIOD	ALL	
00008760								
399230.00000	3275520.00000	0.00201	34.85	34.85	0.00	PERIOD	ALL	
00008760								
399230.00000	3275620.00000	0.00186	34.19	34.19	0.00	PERIOD	ALL	
00008760								
399230.00000	3275720.00000	0.00174	34.30	34.30	0.00	PERIOD	ALL	
00008760								
399230.00000	3275820.00000	0.00162	34.04	34.04	0.00	PERIOD	ALL	
00008760								
399330.00000	3271820.00000	0.00253	34.14	34.14	0.00	PERIOD	ALL	
00008760								
399330.00000	3271920.00000	0.00268	32.61	32.61	0.00	PERIOD	ALL	
00008760								
399330.00000	3272020.00000	0.00286	31.50	31.50	0.00	PERIOD	ALL	
00008760								
399330.00000	3272120.00000	0.00305	29.67	29.67	0.00	PERIOD	ALL	
00008760								
399330.00000	3272220.00000	0.00334	32.31	32.31	0.00	PERIOD	ALL	
00008760								
399330.00000	3272320.00000	0.00365	34.04	34.04	0.00	PERIOD	ALL	
00008760								
399330.00000	3272420.00000	0.00398	33.53	33.53	0.00	PERIOD	ALL	
00008760								
399330.00000	3272520.00000	0.00436	32.92	32.92	0.00	PERIOD	ALL	
00008760								
399330.00000	3272620.00000	0.00483	32.41	32.41	0.00	PERIOD	ALL	
00008760								
399330.00000	3272720.00000	0.00542	32.41	32.41	0.00	PERIOD	ALL	
00008760								
399330.00000	3272820.00000	0.00609	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399330.00000	3272920.00000	0.00690	26.92	26.92	0.00	PERIOD	ALL	
00008760								
399330.00000	3273020.00000	0.00822	28.55	28.55	0.00	PERIOD	ALL	
00008760								
399330.00000	3273120.00000	0.01010	31.39	31.39	0.00	PERIOD	ALL	
00008760								
399330.00000	3273220.00000	0.01281	35.46	35.46	0.00	PERIOD	ALL	
00008760								
399330.00000	3274220.00000	0.01367	31.90	31.90	0.00	PERIOD	ALL	
00008760								
399330.00000	3274320.00000	0.01198	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399330.00000	3274420.00000	0.00963	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399330.00000	3274520.00000	0.00761	29.87	29.87	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03						
399330.00000	3274620.00000	0.00627	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399330.00000	3274720.00000	0.00523	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399330.00000	3274820.00000	0.00444	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399330.00000	3274920.00000	0.00388	34.14	34.14	0.00	PERIOD	ALL	
00008760								
399330.00000	3275020.00000	0.00342	36.07	36.07	0.00	PERIOD	ALL	
00008760								
399330.00000	3275120.00000	0.00305	37.19	37.19	0.00	PERIOD	ALL	
00008760								
399330.00000	3275220.00000	0.00276	39.01	39.01	0.00	PERIOD	ALL	
00008760								
399330.00000	3275320.00000	0.00251	40.03	40.03	0.00	PERIOD	ALL	
00008760								
399330.00000	3275420.00000	0.00227	37.08	37.08	0.00	PERIOD	ALL	
00008760								
399330.00000	3275520.00000	0.00207	35.66	35.66	0.00	PERIOD	ALL	
00008760								
399330.00000	3275620.00000	0.00192	36.17	36.17	0.00	PERIOD	ALL	
00008760								
399330.00000	3275720.00000	0.00179	36.98	36.98	0.00	PERIOD	ALL	
00008760								
399330.00000	3275820.00000	0.00166	33.83	33.83	0.00	PERIOD	ALL	
00008760								
399430.00000	3271820.00000	0.00244	33.72	33.72	0.00	PERIOD	ALL	
00008760								
399430.00000	3271920.00000	0.00258	32.00	32.00	0.00	PERIOD	ALL	
00008760								
399430.00000	3272020.00000	0.00277	33.03	33.03	0.00	PERIOD	ALL	
00008760								
399430.00000	3272120.00000	0.00296	32.06	32.06	0.00	PERIOD	ALL	
00008760								
399430.00000	3272220.00000	0.00321	32.82	32.82	0.00	PERIOD	ALL	
00008760								
399430.00000	3272320.00000	0.00348	32.97	32.97	0.00	PERIOD	ALL	
00008760								
399430.00000	3272420.00000	0.00377	31.77	31.77	0.00	PERIOD	ALL	
00008760								
399430.00000	3272520.00000	0.00417	33.02	33.02	0.00	PERIOD	ALL	
00008760								
399430.00000	3272620.00000	0.00469	35.37	35.37	0.00	PERIOD	ALL	
00008760								
399430.00000	3272720.00000	0.00523	34.28	34.28	0.00	PERIOD	ALL	
00008760								
399430.00000	3272820.00000	0.00584	30.48	30.48	0.00	PERIOD	ALL	
00008760								
399430.00000	3272920.00000	0.00670	27.31	27.31	0.00	PERIOD	ALL	
00008760								
399430.00000	3273020.00000	0.00808	29.68	29.68	0.00	PERIOD	ALL	
00008760								
399430.00000	3273120.00000	0.01008	31.90	31.90	0.00	PERIOD	ALL	
00008760								
399430.00000	3273220.00000	0.01291	35.37	35.37	0.00	PERIOD	ALL	
00008760								
399430.00000	3274220.00000	0.01809	35.44	35.44	0.00	PERIOD	ALL	
00008760								
399430.00000	3274320.00000	0.01324	31.90	31.90	0.00	PERIOD	ALL	
00008760								
399430.00000	3274420.00000	0.01015	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399430.00000	3274520.00000	0.00805	29.87	29.87	0.00	PERIOD	ALL	

HAFLBMAC.P03

00008760								
399430.00000	3274620.00000	0.00667	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399430.00000	3274720.00000	0.00553	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399430.00000	3274820.00000	0.00468	31.05	31.05	0.00	PERIOD	ALL	
00008760								
399430.00000	3274920.00000	0.00409	35.97	35.97	0.00	PERIOD	ALL	
00008760								
399430.00000	3275020.00000	0.00360	38.47	38.47	0.00	PERIOD	ALL	
00008760								
399430.00000	3275120.00000	0.00320	39.86	39.86	0.00	PERIOD	ALL	
00008760								
399430.00000	3275220.00000	0.00285	41.66	41.66	0.00	PERIOD	ALL	
00008760								
399430.00000	3275320.00000	0.00259	41.09	41.09	0.00	PERIOD	ALL	
00008760								
399430.00000	3275420.00000	0.00235	41.54	41.54	0.00	PERIOD	ALL	
00008760								
399430.00000	3275520.00000	0.00217	40.34	40.34	0.00	PERIOD	ALL	
00008760								
399430.00000	3275620.00000	0.00200	39.51	39.51	0.00	PERIOD	ALL	
00008760								
399430.00000	3275720.00000	0.00185	39.44	39.44	0.00	PERIOD	ALL	
00008760								
399430.00000	3275820.00000	0.00171	37.08	37.08	0.00	PERIOD	ALL	
00008760								
399530.00000	3271820.00000	0.00230	32.15	32.15	0.00	PERIOD	ALL	
00008760								
399530.00000	3271920.00000	0.00244	31.50	31.50	0.00	PERIOD	ALL	
00008760								
399530.00000	3272020.00000	0.00263	33.47	33.47	0.00	PERIOD	ALL	
00008760								
399530.00000	3272120.00000	0.00281	33.04	33.04	0.00	PERIOD	ALL	
00008760								
399530.00000	3272220.00000	0.00301	32.41	32.41	0.00	PERIOD	ALL	
00008760								
399530.00000	3272320.00000	0.00324	32.02	32.02	0.00	PERIOD	ALL	
00008760								
399530.00000	3272420.00000	0.00351	31.37	31.37	0.00	PERIOD	ALL	
00008760								
399530.00000	3272520.00000	0.00389	33.93	33.93	0.00	PERIOD	ALL	
00008760								
399530.00000	3272620.00000	0.00434	35.40	35.40	0.00	PERIOD	ALL	
00008760								
399530.00000	3272720.00000	0.00481	33.43	33.43	0.00	PERIOD	ALL	
00008760								
399530.00000	3272820.00000	0.00531	28.24	28.24	0.00	PERIOD	ALL	
00008760								
399530.00000	3272920.00000	0.00614	28.29	28.29	0.00	PERIOD	ALL	
00008760								
399530.00000	3273020.00000	0.00735	30.41	30.41	0.00	PERIOD	ALL	
00008760								
399530.00000	3273120.00000	0.00888	31.90	31.90	0.00	PERIOD	ALL	
00008760								
399530.00000	3273220.00000	0.01118	34.21	34.21	0.00	PERIOD	ALL	
00008760								
399530.00000	3274320.00000	0.01482	34.54	34.54	0.00	PERIOD	ALL	
00008760								
399530.00000	3274420.00000	0.01136	32.90	32.90	0.00	PERIOD	ALL	
00008760								
399530.00000	3274520.00000	0.00875	30.38	30.38	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03					
399530.00000	3274620.00000	0.00703	29.87	29.87	0.00	PERIOD	ALL
00008760							
399530.00000	3274720.00000	0.00576	29.87	29.87	0.00	PERIOD	ALL
00008760							
399530.00000	3274820.00000	0.00489	31.93	31.93	0.00	PERIOD	ALL
00008760							
399530.00000	3274920.00000	0.00429	37.49	37.49	0.00	PERIOD	ALL
00008760							
399530.00000	3275020.00000	0.00378	40.23	40.23	0.00	PERIOD	ALL
00008760							
399530.00000	3275120.00000	0.00331	41.81	41.81	0.00	PERIOD	ALL
00008760							
399530.00000	3275220.00000	0.00294	43.38	43.38	0.00	PERIOD	ALL
00008760							
399530.00000	3275320.00000	0.00263	44.50	44.50	0.00	PERIOD	ALL
00008760							
399530.00000	3275420.00000	0.00238	45.96	45.96	0.00	PERIOD	ALL
00008760							
399530.00000	3275520.00000	0.00219	44.09	44.09	0.00	PERIOD	ALL
00008760							
399530.00000	3275620.00000	0.00204	41.94	41.94	0.00	PERIOD	ALL
00008760							
399530.00000	3275720.00000	0.00189	41.76	41.76	0.00	PERIOD	ALL
00008760							
399530.00000	3275820.00000	0.00177	39.73	39.73	0.00	PERIOD	ALL
00008760							
399630.00000	3271820.00000	0.00215	30.07	30.07	0.00	PERIOD	ALL
00008760							
399630.00000	3271920.00000	0.00228	31.09	31.09	0.00	PERIOD	ALL
00008760							
399630.00000	3272020.00000	0.00244	32.41	32.41	0.00	PERIOD	ALL
00008760							
399630.00000	3272120.00000	0.00260	32.41	32.41	0.00	PERIOD	ALL
00008760							
399630.00000	3272220.00000	0.00276	30.48	30.48	0.00	PERIOD	ALL
00008760							
399630.00000	3272320.00000	0.00298	31.09	31.09	0.00	PERIOD	ALL
00008760							
399630.00000	3272420.00000	0.00324	32.51	32.51	0.00	PERIOD	ALL
00008760							
399630.00000	3272520.00000	0.00354	33.22	33.22	0.00	PERIOD	ALL
00008760							
399630.00000	3272620.00000	0.00388	33.02	33.02	0.00	PERIOD	ALL
00008760							
399630.00000	3272720.00000	0.00426	30.48	30.48	0.00	PERIOD	ALL
00008760							
399630.00000	3272820.00000	0.00470	26.21	26.21	0.00	PERIOD	ALL
00008760							
399630.00000	3272920.00000	0.00544	28.96	28.96	0.00	PERIOD	ALL
00008760							
399630.00000	3273020.00000	0.00638	30.99	30.99	0.00	PERIOD	ALL
00008760							
399630.00000	3273120.00000	0.00757	31.70	31.70	0.00	PERIOD	ALL
00008760							
399630.00000	3273220.00000	0.00894	31.19	31.19	0.00	PERIOD	ALL
00008760							
399630.00000	3274320.00000	0.01460	37.19	37.19	0.00	PERIOD	ALL
00008760							
399630.00000	3274420.00000	0.01122	34.75	34.75	0.00	PERIOD	ALL
00008760							
399630.00000	3274520.00000	0.00883	31.39	31.39	0.00	PERIOD	ALL
00008760							
399630.00000	3274620.00000	0.00715	30.48	30.48	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
399630.00000	3274720.00000	0.00595	30.18	30.18	0.00	PERIOD	ALL	
00008760								
399630.00000	3274820.00000	0.00504	30.18	30.18	0.00	PERIOD	ALL	
00008760								
399630.00000	3274920.00000	0.00444	35.97	35.97	0.00	PERIOD	ALL	
00008760								
399630.00000	3275020.00000	0.00394	40.03	40.03	0.00	PERIOD	ALL	
00008760								
399630.00000	3275120.00000	0.00344	42.47	42.47	0.00	PERIOD	ALL	
00008760								
399630.00000	3275220.00000	0.00301	46.63	46.63	0.00	PERIOD	ALL	
00008760								
399630.00000	3275320.00000	0.00270	47.65	47.65	0.00	PERIOD	ALL	
00008760								
399630.00000	3275420.00000	0.00244	48.87	48.87	0.00	PERIOD	ALL	
00008760								
399630.00000	3275520.00000	0.00224	46.63	46.63	0.00	PERIOD	ALL	
00008760								
399630.00000	3275620.00000	0.00208	44.70	44.70	0.00	PERIOD	ALL	
00008760								
399630.00000	3275720.00000	0.00192	44.81	44.81	0.00	PERIOD	ALL	
00008760								
399630.00000	3275820.00000	0.00179	44.50	44.50	0.00	PERIOD	ALL	
00008760								
399730.00000	3271820.00000	0.00203	32.42	32.42	0.00	PERIOD	ALL	
00008760								
399730.00000	3271920.00000	0.00212	30.78	30.78	0.00	PERIOD	ALL	
00008760								
399730.00000	3272020.00000	0.00226	32.43	32.43	0.00	PERIOD	ALL	
00008760								
399730.00000	3272120.00000	0.00240	32.18	32.18	0.00	PERIOD	ALL	
00008760								
399730.00000	3272220.00000	0.00254	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399730.00000	3272320.00000	0.00274	31.03	31.03	0.00	PERIOD	ALL	
00008760								
399730.00000	3272420.00000	0.00296	32.36	32.36	0.00	PERIOD	ALL	
00008760								
399730.00000	3272520.00000	0.00318	29.77	29.77	0.00	PERIOD	ALL	
00008760								
399730.00000	3272620.00000	0.00346	28.10	28.10	0.00	PERIOD	ALL	
00008760								
399730.00000	3272720.00000	0.00379	26.17	26.17	0.00	PERIOD	ALL	
00008760								
399730.00000	3272820.00000	0.00428	27.74	27.74	0.00	PERIOD	ALL	
00008760								
399730.00000	3272920.00000	0.00494	29.94	29.94	0.00	PERIOD	ALL	
00008760								
399730.00000	3273020.00000	0.00574	30.04	30.04	0.00	PERIOD	ALL	
00008760								
399730.00000	3273120.00000	0.00678	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399730.00000	3273220.00000	0.00831	29.29	29.29	0.00	PERIOD	ALL	
00008760								
399730.00000	3273320.00000	0.01060	30.76	30.76	0.00	PERIOD	ALL	
00008760								
399730.00000	3273420.00000	0.01350	32.61	32.61	0.00	PERIOD	ALL	
00008760								
399730.00000	3273520.00000	0.01741	34.04	34.04	0.00	PERIOD	ALL	
00008760								
399730.00000	3273620.00000	0.02096	35.07	35.07	0.00	PERIOD	ALL	
00008760								

HAFBMAC.P03

399730.00000	3273720.00000	0.01999	29.97	29.97	0.00	PERIOD	ALL
00008760							
399730.00000	3273820.00000	0.02501	34.51	34.51	0.00	PERIOD	ALL
00008760							
399730.00000	3274420.00000	0.01208	34.05	34.05	0.00	PERIOD	ALL
00008760							
399730.00000	3274520.00000	0.00934	32.92	32.92	0.00	PERIOD	ALL
00008760							
399730.00000	3274620.00000	0.00744	31.39	31.39	0.00	PERIOD	ALL
00008760							
399730.00000	3274720.00000	0.00612	29.87	29.87	0.00	PERIOD	ALL
00008760							
399730.00000	3274820.00000	0.00521	29.94	29.94	0.00	PERIOD	ALL
00008760							
399730.00000	3274920.00000	0.00459	34.95	34.95	0.00	PERIOD	ALL
00008760							
399730.00000	3275020.00000	0.00407	38.65	38.65	0.00	PERIOD	ALL
00008760							
399730.00000	3275120.00000	0.00360	41.44	41.44	0.00	PERIOD	ALL
00008760							
399730.00000	3275220.00000	0.00314	45.92	45.92	0.00	PERIOD	ALL
00008760							
399730.00000	3275320.00000	0.00279	48.46	48.46	0.00	PERIOD	ALL
00008760							
399730.00000	3275420.00000	0.00251	50.78	50.78	0.00	PERIOD	ALL
00008760							
399730.00000	3275520.00000	0.00231	48.77	48.77	0.00	PERIOD	ALL
00008760							
399730.00000	3275620.00000	0.00214	45.97	45.97	0.00	PERIOD	ALL
00008760							
399730.00000	3275720.00000	0.00196	47.30	47.30	0.00	PERIOD	ALL
00008760							
399730.00000	3275820.00000	0.00181	49.38	49.38	0.00	PERIOD	ALL
00008760							
399830.00000	3271820.00000	0.00189	31.19	31.19	0.00	PERIOD	ALL
00008760							
399830.00000	3271920.00000	0.00200	32.00	32.00	0.00	PERIOD	ALL
00008760							
399830.00000	3272020.00000	0.00211	32.49	32.49	0.00	PERIOD	ALL
00008760							
399830.00000	3272120.00000	0.00224	32.02	32.02	0.00	PERIOD	ALL
00008760							
399830.00000	3272220.00000	0.00237	29.77	29.77	0.00	PERIOD	ALL
00008760							
399830.00000	3272320.00000	0.00255	31.20	31.20	0.00	PERIOD	ALL
00008760							
399830.00000	3272420.00000	0.00275	31.21	31.21	0.00	PERIOD	ALL
00008760							
399830.00000	3272520.00000	0.00297	29.36	29.36	0.00	PERIOD	ALL
00008760							
399830.00000	3272620.00000	0.00324	27.61	27.61	0.00	PERIOD	ALL
00008760							
399830.00000	3272720.00000	0.00357	25.41	25.41	0.00	PERIOD	ALL
00008760							
399830.00000	3272820.00000	0.00410	29.26	29.26	0.00	PERIOD	ALL
00008760							
399830.00000	3272920.00000	0.00481	31.52	31.52	0.00	PERIOD	ALL
00008760							
399830.00000	3273020.00000	0.00579	31.92	31.92	0.00	PERIOD	ALL
00008760							
399830.00000	3273120.00000	0.00707	29.77	29.77	0.00	PERIOD	ALL
00008760							
399830.00000	3273220.00000	0.00882	31.14	31.14	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
399830.00000	3273320.00000	0.01145	33.15	33.15	0.00	PERIOD	ALL	
00008760								
399830.00000	3273420.00000	0.01495	35.05	35.05	0.00	PERIOD	ALL	
00008760								
399830.00000	3273520.00000	0.01797	36.76	36.76	0.00	PERIOD	ALL	
00008760								
399830.00000	3273620.00000	0.02005	36.22	36.22	0.00	PERIOD	ALL	
00008760								
399830.00000	3273720.00000	0.02067	33.53	33.53	0.00	PERIOD	ALL	
00008760								
399830.00000	3273820.00000	0.02656	35.34	35.34	0.00	PERIOD	ALL	
00008760								
399830.00000	3273920.00000	0.03638	37.35	37.35	0.00	PERIOD	ALL	
00008760								
399830.00000	3274020.00000	0.03135	35.46	35.46	0.00	PERIOD	ALL	
00008760								
399830.00000	3274120.00000	0.02322	38.34	38.34	0.00	PERIOD	ALL	
00008760								
399830.00000	3274220.00000	0.01768	38.39	38.39	0.00	PERIOD	ALL	
00008760								
399830.00000	3274320.00000	0.01479	37.39	37.39	0.00	PERIOD	ALL	
00008760								
399830.00000	3274420.00000	0.01186	36.01	36.01	0.00	PERIOD	ALL	
00008760								
399830.00000	3274520.00000	0.00904	32.35	32.35	0.00	PERIOD	ALL	
00008760								
399830.00000	3274620.00000	0.00753	31.70	31.70	0.00	PERIOD	ALL	
00008760								
399830.00000	3274720.00000	0.00629	30.05	30.05	0.00	PERIOD	ALL	
00008760								
399830.00000	3274820.00000	0.00536	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399830.00000	3274920.00000	0.00473	34.24	34.24	0.00	PERIOD	ALL	
00008760								
399830.00000	3275020.00000	0.00420	37.38	37.38	0.00	PERIOD	ALL	
00008760								
399830.00000	3275120.00000	0.00376	40.29	40.29	0.00	PERIOD	ALL	
00008760								
399830.00000	3275220.00000	0.00330	43.89	43.89	0.00	PERIOD	ALL	
00008760								
399830.00000	3275320.00000	0.00292	46.83	46.83	0.00	PERIOD	ALL	
00008760								
399830.00000	3275420.00000	0.00263	48.55	48.55	0.00	PERIOD	ALL	
00008760								
399830.00000	3275520.00000	0.00240	48.36	48.36	0.00	PERIOD	ALL	
00008760								
399830.00000	3275620.00000	0.00220	47.38	47.38	0.00	PERIOD	ALL	
00008760								
399830.00000	3275720.00000	0.00202	49.36	49.36	0.00	PERIOD	ALL	
00008760								
399830.00000	3275820.00000	0.00185	52.53	52.53	0.00	PERIOD	ALL	
00008760								
399930.00000	3271820.00000	0.00177	29.06	29.06	0.00	PERIOD	ALL	
00008760								
399930.00000	3271920.00000	0.00185	27.13	27.13	0.00	PERIOD	ALL	
00008760								
399930.00000	3272020.00000	0.00199	30.38	30.38	0.00	PERIOD	ALL	
00008760								
399930.00000	3272120.00000	0.00212	30.89	30.89	0.00	PERIOD	ALL	
00008760								
399930.00000	3272220.00000	0.00224	28.04	28.04	0.00	PERIOD	ALL	
00008760								

HAFBMAC.P03

399930.00000	3272320.00000	0.00239	25.81	25.81	0.00	PERIOD	ALL
00008760							
399930.00000	3272420.00000	0.00260	26.01	26.01	0.00	PERIOD	ALL
00008760							
399930.00000	3272520.00000	0.00283	25.30	25.30	0.00	PERIOD	ALL
00008760							
399930.00000	3272620.00000	0.00313	25.30	25.30	0.00	PERIOD	ALL
00008760							
399930.00000	3272720.00000	0.00352	25.30	25.30	0.00	PERIOD	ALL
00008760							
399930.00000	3272820.00000	0.00414	28.04	28.04	0.00	PERIOD	ALL
00008760							
399930.00000	3272920.00000	0.00504	31.50	31.50	0.00	PERIOD	ALL
00008760							
399930.00000	3273020.00000	0.00621	34.24	34.24	0.00	PERIOD	ALL
00008760							
399930.00000	3273120.00000	0.00777	34.75	34.75	0.00	PERIOD	ALL
00008760							
399930.00000	3273220.00000	0.00988	36.07	36.07	0.00	PERIOD	ALL
00008760							
399930.00000	3273320.00000	0.01212	36.68	36.68	0.00	PERIOD	ALL
00008760							
399930.00000	3273420.00000	0.01415	37.19	37.19	0.00	PERIOD	ALL
00008760							
399930.00000	3273520.00000	0.01681	39.42	39.42	0.00	PERIOD	ALL
00008760							
399930.00000	3273620.00000	0.01805	38.71	38.71	0.00	PERIOD	ALL
00008760							
399930.00000	3273720.00000	0.01873	38.40	38.40	0.00	PERIOD	ALL
00008760							
399930.00000	3273820.00000	0.02279	39.01	39.01	0.00	PERIOD	ALL
00008760							
399930.00000	3273920.00000	0.02765	39.93	39.93	0.00	PERIOD	ALL
00008760							
399930.00000	3274020.00000	0.02653	39.32	39.32	0.00	PERIOD	ALL
00008760							
399930.00000	3274120.00000	0.02130	38.81	38.81	0.00	PERIOD	ALL
00008760							
399930.00000	3274220.00000	0.01649	40.84	40.84	0.00	PERIOD	ALL
00008760							
399930.00000	3274320.00000	0.01267	38.10	38.10	0.00	PERIOD	ALL
00008760							
399930.00000	3274420.00000	0.01060	35.66	35.66	0.00	PERIOD	ALL
00008760							
399930.00000	3274520.00000	0.00888	34.34	34.34	0.00	PERIOD	ALL
00008760							
399930.00000	3274620.00000	0.00746	35.05	35.05	0.00	PERIOD	ALL
00008760							
399930.00000	3274720.00000	0.00628	32.72	32.72	0.00	PERIOD	ALL
00008760							
399930.00000	3274820.00000	0.00537	30.18	30.18	0.00	PERIOD	ALL
00008760							
399930.00000	3274920.00000	0.00476	32.92	32.92	0.00	PERIOD	ALL
00008760							
399930.00000	3275020.00000	0.00426	35.46	35.46	0.00	PERIOD	ALL
00008760							
399930.00000	3275120.00000	0.00384	38.00	38.00	0.00	PERIOD	ALL
00008760							
399930.00000	3275220.00000	0.00347	40.54	40.54	0.00	PERIOD	ALL
00008760							
399930.00000	3275320.00000	0.00306	44.70	44.70	0.00	PERIOD	ALL
00008760							
399930.00000	3275420.00000	0.00276	45.82	45.82	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
399930.00000	3275520.00000	0.00250	47.55	47.55	0.00	PERIOD	ALL	
00008760								
399930.00000	3275620.00000	0.00227	49.68	49.68	0.00	PERIOD	ALL	
00008760								
399930.00000	3275720.00000	0.00207	52.73	52.73	0.00	PERIOD	ALL	
00008760								
399930.00000	3275820.00000	0.00191	55.17	55.17	0.00	PERIOD	ALL	
00008760								
400030.00000	3271820.00000	0.00169	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3271920.00000	0.00178	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272020.00000	0.00190	26.31	26.31	0.00	PERIOD	ALL	
00008760								
400030.00000	3272120.00000	0.00204	28.11	28.11	0.00	PERIOD	ALL	
00008760								
400030.00000	3272220.00000	0.00217	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272320.00000	0.00235	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272420.00000	0.00256	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272520.00000	0.00283	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272620.00000	0.00319	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272720.00000	0.00367	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272820.00000	0.00427	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272920.00000	0.00519	28.71	28.71	0.00	PERIOD	ALL	
00008760								
400030.00000	3273020.00000	0.00648	32.96	32.96	0.00	PERIOD	ALL	
00008760								
400030.00000	3273120.00000	0.00821	37.29	37.29	0.00	PERIOD	ALL	
00008760								
400030.00000	3273220.00000	0.01007	40.12	40.12	0.00	PERIOD	ALL	
00008760								
400030.00000	3273320.00000	0.01125	38.45	38.45	0.00	PERIOD	ALL	
00008760								
400030.00000	3273420.00000	0.01257	36.88	36.88	0.00	PERIOD	ALL	
00008760								
400030.00000	3273520.00000	0.01404	39.07	39.07	0.00	PERIOD	ALL	
00008760								
400030.00000	3273620.00000	0.01469	39.19	39.19	0.00	PERIOD	ALL	
00008760								
400030.00000	3273720.00000	0.01502	37.39	37.39	0.00	PERIOD	ALL	
00008760								
400030.00000	3273820.00000	0.01760	36.62	36.62	0.00	PERIOD	ALL	
00008760								
400030.00000	3273920.00000	0.02020	37.35	37.35	0.00	PERIOD	ALL	
00008760								
400030.00000	3274020.00000	0.02047	37.19	37.19	0.00	PERIOD	ALL	
00008760								
400030.00000	3274120.00000	0.01864	38.90	38.90	0.00	PERIOD	ALL	
00008760								
400030.00000	3274220.00000	0.01496	38.34	38.34	0.00	PERIOD	ALL	
00008760								
400030.00000	3274320.00000	0.01202	40.94	40.94	0.00	PERIOD	ALL	
00008760								
400030.00000	3274420.00000	0.00967	38.64	38.64	0.00	PERIOD	ALL	
00008760								

HAFBMAC.P03

400030.00000	3274520.00000	0.00821	37.44	37.44	0.00	PERIOD	ALL
00008760							
400030.00000	3274620.00000	0.00700	35.15	35.15	0.00	PERIOD	ALL
00008760							
400030.00000	3274720.00000	0.00601	31.57	31.57	0.00	PERIOD	ALL
00008760							
400030.00000	3274820.00000	0.00531	32.40	32.40	0.00	PERIOD	ALL
00008760							
400030.00000	3274920.00000	0.00476	34.54	34.54	0.00	PERIOD	ALL
00008760							
400030.00000	3275020.00000	0.00424	33.90	33.90	0.00	PERIOD	ALL
00008760							
400030.00000	3275120.00000	0.00390	38.58	38.58	0.00	PERIOD	ALL
00008760							
400030.00000	3275220.00000	0.00355	40.64	40.64	0.00	PERIOD	ALL
00008760							
400030.00000	3275320.00000	0.00317	43.59	43.59	0.00	PERIOD	ALL
00008760							
400030.00000	3275420.00000	0.00286	45.10	45.10	0.00	PERIOD	ALL
00008760							
400030.00000	3275520.00000	0.00258	48.06	48.06	0.00	PERIOD	ALL
00008760							
400030.00000	3275620.00000	0.00235	51.21	51.21	0.00	PERIOD	ALL
00008760							
400030.00000	3275720.00000	0.00215	54.06	54.06	0.00	PERIOD	ALL
00008760							
400030.00000	3275820.00000	0.00198	55.47	55.47	0.00	PERIOD	ALL
00008760							
400130.00000	3271820.00000	0.00166	25.30	25.30	0.00	PERIOD	ALL
00008760							
400130.00000	3271920.00000	0.00176	25.30	25.30	0.00	PERIOD	ALL
00008760							
400130.00000	3272020.00000	0.00187	25.30	25.30	0.00	PERIOD	ALL
00008760							
400130.00000	3272120.00000	0.00200	25.46	25.46	0.00	PERIOD	ALL
00008760							
400130.00000	3272220.00000	0.00216	25.30	25.30	0.00	PERIOD	ALL
00008760							
400130.00000	3272320.00000	0.00236	25.30	25.30	0.00	PERIOD	ALL
00008760							
400130.00000	3272420.00000	0.00261	25.30	25.30	0.00	PERIOD	ALL
00008760							
400130.00000	3272520.00000	0.00292	25.30	25.30	0.00	PERIOD	ALL
00008760							
400130.00000	3272620.00000	0.00328	25.30	25.30	0.00	PERIOD	ALL
00008760							
400130.00000	3272720.00000	0.00377	25.30	25.30	0.00	PERIOD	ALL
00008760							
400130.00000	3272820.00000	0.00441	25.30	25.30	0.00	PERIOD	ALL
00008760							
400130.00000	3272920.00000	0.00523	25.96	25.96	0.00	PERIOD	ALL
00008760							
400130.00000	3273020.00000	0.00633	30.96	30.96	0.00	PERIOD	ALL
00008760							
400130.00000	3273120.00000	0.00753	35.46	35.46	0.00	PERIOD	ALL
00008760							
400130.00000	3273220.00000	0.00895	39.80	39.80	0.00	PERIOD	ALL
00008760							
400130.00000	3273320.00000	0.00959	34.04	34.04	0.00	PERIOD	ALL
00008760							
400130.00000	3273420.00000	0.01013	29.67	29.67	0.00	PERIOD	ALL
00008760							
400130.00000	3273520.00000	0.01102	32.84	32.84	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
400130.00000	3273620.00000	0.01143	34.51	34.51	0.00	PERIOD	ALL	
00008760								
400130.00000	3273720.00000	0.01222	34.65	34.65	0.00	PERIOD	ALL	
00008760								
400130.00000	3273820.00000	0.01412	34.08	34.08	0.00	PERIOD	ALL	
00008760								
400130.00000	3273920.00000	0.01579	35.36	35.36	0.00	PERIOD	ALL	
00008760								
400130.00000	3274020.00000	0.01653	38.20	38.20	0.00	PERIOD	ALL	
00008760								
400130.00000	3274120.00000	0.01558	37.99	37.99	0.00	PERIOD	ALL	
00008760								
400130.00000	3274220.00000	0.01346	37.91	37.91	0.00	PERIOD	ALL	
00008760								
400130.00000	3274320.00000	0.01116	40.13	40.13	0.00	PERIOD	ALL	
00008760								
400130.00000	3274420.00000	0.00905	37.49	37.49	0.00	PERIOD	ALL	
00008760								
400130.00000	3274520.00000	0.00746	34.87	34.87	0.00	PERIOD	ALL	
00008760								
400130.00000	3274620.00000	0.00654	36.37	36.37	0.00	PERIOD	ALL	
00008760								
400130.00000	3274720.00000	0.00568	32.54	32.54	0.00	PERIOD	ALL	
00008760								
400130.00000	3274820.00000	0.00509	33.58	33.58	0.00	PERIOD	ALL	
00008760								
400130.00000	3274920.00000	0.00468	37.29	37.29	0.00	PERIOD	ALL	
00008760								
400130.00000	3275020.00000	0.00425	37.52	37.52	0.00	PERIOD	ALL	
00008760								
400130.00000	3275120.00000	0.00389	38.81	38.81	0.00	PERIOD	ALL	
00008760								
400130.00000	3275220.00000	0.00357	40.74	40.74	0.00	PERIOD	ALL	
00008760								
400130.00000	3275320.00000	0.00322	43.23	43.23	0.00	PERIOD	ALL	
00008760								
400130.00000	3275420.00000	0.00292	45.35	45.35	0.00	PERIOD	ALL	
00008760								
400130.00000	3275520.00000	0.00267	46.94	46.94	0.00	PERIOD	ALL	
00008760								
400130.00000	3275620.00000	0.00244	49.93	49.93	0.00	PERIOD	ALL	
00008760								
400130.00000	3275720.00000	0.00223	52.98	52.98	0.00	PERIOD	ALL	
00008760								
400130.00000	3275820.00000	0.00206	54.36	54.36	0.00	PERIOD	ALL	
00008760								
400230.00000	3271820.00000	0.00165	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400230.00000	3271920.00000	0.00175	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400230.00000	3272020.00000	0.00187	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400230.00000	3272120.00000	0.00202	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400230.00000	3272220.00000	0.00220	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400230.00000	3272320.00000	0.00241	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400230.00000	3272420.00000	0.00265	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400230.00000	3272520.00000	0.00296	25.30	25.30	0.00	PERIOD	ALL	
00008760								

HAFBMAC.P03

400230.00000	3272620.00000	0.00334	25.30	25.30	0.00	PERIOD	ALL
00008760							
400230.00000	3272720.00000	0.00383	25.30	25.30	0.00	PERIOD	ALL
00008760							
400230.00000	3272820.00000	0.00442	25.30	25.30	0.00	PERIOD	ALL
00008760							
400230.00000	3272920.00000	0.00506	25.81	25.81	0.00	PERIOD	ALL
00008760							
400230.00000	3273020.00000	0.00584	30.99	30.99	0.00	PERIOD	ALL
00008760							
400230.00000	3273120.00000	0.00670	34.75	34.75	0.00	PERIOD	ALL
00008760							
400230.00000	3273220.00000	0.00790	38.40	38.40	0.00	PERIOD	ALL
00008760							
400230.00000	3273320.00000	0.00834	34.54	34.54	0.00	PERIOD	ALL
00008760							
400230.00000	3273420.00000	0.00869	30.48	30.48	0.00	PERIOD	ALL
00008760							
400230.00000	3273520.00000	0.00901	28.55	28.55	0.00	PERIOD	ALL
00008760							
400230.00000	3273620.00000	0.00921	29.36	29.36	0.00	PERIOD	ALL
00008760							
400230.00000	3273720.00000	0.01013	32.31	32.31	0.00	PERIOD	ALL
00008760							
400230.00000	3273820.00000	0.01137	29.57	29.57	0.00	PERIOD	ALL
00008760							
400230.00000	3273920.00000	0.01266	33.53	33.53	0.00	PERIOD	ALL
00008760							
400230.00000	3274020.00000	0.01287	31.39	37.49	0.00	PERIOD	ALL
00008760							
400230.00000	3274120.00000	0.01278	35.36	35.36	0.00	PERIOD	ALL
00008760							
400230.00000	3274220.00000	0.01180	37.59	37.59	0.00	PERIOD	ALL
00008760							
400230.00000	3274320.00000	0.01029	39.93	39.93	0.00	PERIOD	ALL
00008760							
400230.00000	3274420.00000	0.00810	28.55	39.93	0.00	PERIOD	ALL
00008760							
400230.00000	3274520.00000	0.00695	30.68	41.45	0.00	PERIOD	ALL
00008760							
400230.00000	3274620.00000	0.00627	40.54	40.54	0.00	PERIOD	ALL
00008760							
400230.00000	3274720.00000	0.00544	36.88	36.88	0.00	PERIOD	ALL
00008760							
400230.00000	3274820.00000	0.00493	37.90	37.90	0.00	PERIOD	ALL
00008760							
400230.00000	3274920.00000	0.00453	39.62	39.62	0.00	PERIOD	ALL
00008760							
400230.00000	3275020.00000	0.00414	41.25	41.25	0.00	PERIOD	ALL
00008760							
400230.00000	3275120.00000	0.00383	40.13	40.13	0.00	PERIOD	ALL
00008760							
400230.00000	3275220.00000	0.00352	41.15	41.15	0.00	PERIOD	ALL
00008760							
400230.00000	3275320.00000	0.00320	43.89	43.89	0.00	PERIOD	ALL
00008760							
400230.00000	3275420.00000	0.00293	46.53	46.53	0.00	PERIOD	ALL
00008760							
400230.00000	3275520.00000	0.00270	48.77	48.77	0.00	PERIOD	ALL
00008760							
400230.00000	3275620.00000	0.00248	51.10	51.10	0.00	PERIOD	ALL
00008760							
400230.00000	3275720.00000	0.00230	52.32	52.32	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
400230.00000	3275820.00000	0.00213	53.64	53.64	0.00	PERIOD	ALL	
00008760								
400330.00000	3271820.00000	0.00166	25.92	25.92	0.00	PERIOD	ALL	
00008760								
400330.00000	3271920.00000	0.00177	25.70	25.70	0.00	PERIOD	ALL	
00008760								
400330.00000	3272020.00000	0.00191	25.85	25.85	0.00	PERIOD	ALL	
00008760								
400330.00000	3272120.00000	0.00205	25.42	25.42	0.00	PERIOD	ALL	
00008760								
400330.00000	3272220.00000	0.00222	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400330.00000	3272320.00000	0.00243	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400330.00000	3272420.00000	0.00267	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400330.00000	3272520.00000	0.00298	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400330.00000	3272620.00000	0.00335	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400330.00000	3272720.00000	0.00378	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400330.00000	3272820.00000	0.00422	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400330.00000	3272920.00000	0.00471	28.00	28.00	0.00	PERIOD	ALL	
00008760								
400330.00000	3273020.00000	0.00526	30.59	30.59	0.00	PERIOD	ALL	
00008760								
400330.00000	3273120.00000	0.00603	33.63	33.63	0.00	PERIOD	ALL	
00008760								
400330.00000	3273220.00000	0.00676	35.90	35.90	0.00	PERIOD	ALL	
00008760								
400330.00000	3273320.00000	0.00716	34.51	34.51	0.00	PERIOD	ALL	
00008760								
400330.00000	3273420.00000	0.00757	33.73	33.73	0.00	PERIOD	ALL	
00008760								
400330.00000	3273520.00000	0.00775	33.74	33.74	0.00	PERIOD	ALL	
00008760								
400330.00000	3273620.00000	0.00795	33.17	33.17	0.00	PERIOD	ALL	
00008760								
400330.00000	3273720.00000	0.00848	28.85	28.85	0.00	PERIOD	ALL	
00008760								
400330.00000	3273820.00000	0.00947	27.56	27.56	0.00	PERIOD	ALL	
00008760								
400330.00000	3273920.00000	0.01039	31.14	31.14	0.00	PERIOD	ALL	
00008760								
400330.00000	3274020.00000	0.01049	26.82	26.82	0.00	PERIOD	ALL	
00008760								
400330.00000	3274120.00000	0.01056	30.76	30.76	0.00	PERIOD	ALL	
00008760								
400330.00000	3274220.00000	0.01022	35.88	35.88	0.00	PERIOD	ALL	
00008760								
400330.00000	3274320.00000	0.00912	35.56	35.56	0.00	PERIOD	ALL	
00008760								
400330.00000	3274420.00000	0.00795	36.79	39.93	0.00	PERIOD	ALL	
00008760								
400330.00000	3274520.00000	0.00667	32.92	42.06	0.00	PERIOD	ALL	
00008760								
400330.00000	3274620.00000	0.00588	42.57	42.57	0.00	PERIOD	ALL	
00008760								
400330.00000	3274720.00000	0.00520	38.25	38.25	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03						
400330.00000	3274820.00000	0.00469	41.40	41.40	0.00	PERIOD	ALL	
00008760								
400330.00000	3274920.00000	0.00422	43.48	43.48	0.00	PERIOD	ALL	
00008760								
400330.00000	3275020.00000	0.00390	43.39	43.39	0.00	PERIOD	ALL	
00008760								
400330.00000	3275120.00000	0.00363	43.35	43.35	0.00	PERIOD	ALL	
00008760								
400330.00000	3275220.00000	0.00336	44.70	44.70	0.00	PERIOD	ALL	
00008760								
400330.00000	3275320.00000	0.00312	46.04	46.04	0.00	PERIOD	ALL	
00008760								
400330.00000	3275420.00000	0.00290	46.81	46.81	0.00	PERIOD	ALL	
00008760								
400330.00000	3275520.00000	0.00270	48.26	48.26	0.00	PERIOD	ALL	
00008760								
400330.00000	3275620.00000	0.00250	50.96	50.96	0.00	PERIOD	ALL	
00008760								
400330.00000	3275720.00000	0.00233	52.30	52.30	0.00	PERIOD	ALL	
00008760								
400330.00000	3275820.00000	0.00218	53.04	53.04	0.00	PERIOD	ALL	
00008760								
400430.00000	3271820.00000	0.00169	25.66	25.66	0.00	PERIOD	ALL	
00008760								
400430.00000	3271920.00000	0.00179	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400430.00000	3272020.00000	0.00192	25.91	25.91	0.00	PERIOD	ALL	
00008760								
400430.00000	3272120.00000	0.00207	25.80	25.80	0.00	PERIOD	ALL	
00008760								
400430.00000	3272220.00000	0.00223	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400430.00000	3272320.00000	0.00243	25.12	25.12	0.00	PERIOD	ALL	
00008760								
400430.00000	3272420.00000	0.00268	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400430.00000	3272520.00000	0.00297	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400430.00000	3272620.00000	0.00327	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400430.00000	3272720.00000	0.00359	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400430.00000	3272820.00000	0.00392	25.40	25.40	0.00	PERIOD	ALL	
00008760								
400430.00000	3272920.00000	0.00431	27.81	27.81	0.00	PERIOD	ALL	
00008760								
400430.00000	3273020.00000	0.00480	29.33	29.33	0.00	PERIOD	ALL	
00008760								
400430.00000	3273120.00000	0.00532	31.09	31.09	0.00	PERIOD	ALL	
00008760								
400430.00000	3273220.00000	0.00572	32.09	32.09	0.00	PERIOD	ALL	
00008760								
400430.00000	3273320.00000	0.00613	33.08	33.08	0.00	PERIOD	ALL	
00008760								
400430.00000	3273420.00000	0.00651	35.66	35.66	0.00	PERIOD	ALL	
00008760								
400430.00000	3273520.00000	0.00676	38.16	38.16	0.00	PERIOD	ALL	
00008760								
400430.00000	3273620.00000	0.00690	35.73	35.73	0.00	PERIOD	ALL	
00008760								
400430.00000	3273720.00000	0.00741	31.09	31.09	0.00	PERIOD	ALL	
00008760								
400430.00000	3273820.00000	0.00806	26.82	26.82	0.00	PERIOD	ALL	

HAFLBMAC.P03

00008760								
400430.00000	3273920.00000	0.00874	29.15	29.15	0.00	PERIOD	ALL	
00008760								
400430.00000	3274020.00000	0.00906	29.87	29.87	0.00	PERIOD	ALL	
00008760								
400430.00000	3274120.00000	0.00913	31.81	31.81	0.00	PERIOD	ALL	
00008760								
400430.00000	3274220.00000	0.00880	32.92	32.92	0.00	PERIOD	ALL	
00008760								
400430.00000	3274320.00000	0.00823	35.36	35.36	0.00	PERIOD	ALL	
00008760								
400430.00000	3274420.00000	0.00751	39.53	39.53	0.00	PERIOD	ALL	
00008760								
400430.00000	3274520.00000	0.00647	36.92	41.15	0.00	PERIOD	ALL	
00008760								
400430.00000	3274620.00000	0.00574	40.23	40.23	0.00	PERIOD	ALL	
00008760								
400430.00000	3274720.00000	0.00497	37.01	37.01	0.00	PERIOD	ALL	
00008760								
400430.00000	3274820.00000	0.00441	43.45	43.45	0.00	PERIOD	ALL	
00008760								
400430.00000	3274920.00000	0.00393	46.94	46.94	0.00	PERIOD	ALL	
00008760								
400430.00000	3275020.00000	0.00366	46.07	46.07	0.00	PERIOD	ALL	
00008760								
400430.00000	3275120.00000	0.00344	44.83	44.83	0.00	PERIOD	ALL	
00008760								
400430.00000	3275220.00000	0.00320	46.43	46.43	0.00	PERIOD	ALL	
00008760								
400430.00000	3275320.00000	0.00299	47.85	47.85	0.00	PERIOD	ALL	
00008760								
400430.00000	3275420.00000	0.00281	48.89	48.89	0.00	PERIOD	ALL	
00008760								
400430.00000	3275520.00000	0.00265	48.87	48.87	0.00	PERIOD	ALL	
00008760								
400430.00000	3275620.00000	0.00249	50.85	50.85	0.00	PERIOD	ALL	
00008760								
400430.00000	3275720.00000	0.00235	50.11	50.11	0.00	PERIOD	ALL	
00008760								
400430.00000	3275820.00000	0.00220	52.22	52.22	0.00	PERIOD	ALL	
00008760								
400530.00000	3271820.00000	0.00170	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400530.00000	3271920.00000	0.00181	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400530.00000	3272020.00000	0.00194	26.52	26.52	0.00	PERIOD	ALL	
00008760								
400530.00000	3272120.00000	0.00207	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400530.00000	3272220.00000	0.00224	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400530.00000	3272320.00000	0.00243	25.10	25.10	0.00	PERIOD	ALL	
00008760								
400530.00000	3272420.00000	0.00265	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400530.00000	3272520.00000	0.00288	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400530.00000	3272620.00000	0.00312	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400530.00000	3272720.00000	0.00337	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400530.00000	3272820.00000	0.00363	25.30	25.30	0.00	PERIOD	ALL	
00008760								

HAFLBMAC.P03

400530.00000	3272920.00000	0.00398	26.62	26.62	0.00	PERIOD	ALL
00008760							
400530.00000	3273020.00000	0.00437	28.35	28.35	0.00	PERIOD	ALL
00008760							
400530.00000	3273120.00000	0.00474	31.39	31.39	0.00	PERIOD	ALL
00008760							
400530.00000	3273220.00000	0.00511	34.65	34.65	0.00	PERIOD	ALL
00008760							
400530.00000	3273320.00000	0.00546	36.37	36.37	0.00	PERIOD	ALL
00008760							
400530.00000	3273420.00000	0.00573	39.01	39.01	0.00	PERIOD	ALL
00008760							
400530.00000	3273520.00000	0.00590	41.35	41.35	0.00	PERIOD	ALL
00008760							
400530.00000	3273620.00000	0.00611	38.30	38.30	0.00	PERIOD	ALL
00008760							
400530.00000	3273720.00000	0.00653	32.61	32.61	0.00	PERIOD	ALL
00008760							
400530.00000	3273820.00000	0.00699	27.03	27.03	0.00	PERIOD	ALL
00008760							
400530.00000	3273920.00000	0.00746	26.82	26.82	0.00	PERIOD	ALL
00008760							
400530.00000	3274020.00000	0.00779	28.96	28.96	0.00	PERIOD	ALL
00008760							
400530.00000	3274120.00000	0.00785	29.67	29.67	0.00	PERIOD	ALL
00008760							
400530.00000	3274220.00000	0.00771	31.50	31.50	0.00	PERIOD	ALL
00008760							
400530.00000	3274320.00000	0.00736	33.83	33.83	0.00	PERIOD	ALL
00008760							
400530.00000	3274420.00000	0.00691	38.81	38.81	0.00	PERIOD	ALL
00008760							
400530.00000	3274520.00000	0.00616	42.47	42.47	0.00	PERIOD	ALL
00008760							
400530.00000	3274620.00000	0.00550	40.84	40.84	0.00	PERIOD	ALL
00008760							
400530.00000	3274720.00000	0.00478	43.48	43.48	0.00	PERIOD	ALL
00008760							
400530.00000	3274820.00000	0.00422	45.31	45.31	0.00	PERIOD	ALL
00008760							
400530.00000	3274920.00000	0.00375	48.77	48.77	0.00	PERIOD	ALL
00008760							
400530.00000	3275020.00000	0.00345	48.46	48.46	0.00	PERIOD	ALL
00008760							
400530.00000	3275120.00000	0.00324	46.84	46.84	0.00	PERIOD	ALL
00008760							
400530.00000	3275220.00000	0.00302	48.77	48.77	0.00	PERIOD	ALL
00008760							
400530.00000	3275320.00000	0.00287	47.96	47.96	0.00	PERIOD	ALL
00008760							
400530.00000	3275420.00000	0.00273	47.35	47.35	0.00	PERIOD	ALL
00008760							
400530.00000	3275520.00000	0.00258	49.07	49.07	0.00	PERIOD	ALL
00008760							
400530.00000	3275620.00000	0.00244	50.60	50.60	0.00	PERIOD	ALL
00008760							
400530.00000	3275720.00000	0.00232	49.38	49.38	0.00	PERIOD	ALL
00008760							
400530.00000	3275820.00000	0.00219	51.82	51.82	0.00	PERIOD	ALL
00008760							
400630.00000	3271820.00000	0.00171	25.30	25.30	0.00	PERIOD	ALL
00008760							
400630.00000	3271920.00000	0.00181	25.30	25.30	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
400630.00000	3272020.00000	0.00194	25.51	25.51	0.00	PERIOD	ALL	
00008760								
400630.00000	3272120.00000	0.00207	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400630.00000	3272220.00000	0.00223	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400630.00000	3272320.00000	0.00239	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400630.00000	3272420.00000	0.00257	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400630.00000	3272520.00000	0.00276	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400630.00000	3272620.00000	0.00295	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400630.00000	3272720.00000	0.00316	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400630.00000	3272820.00000	0.00340	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400630.00000	3272920.00000	0.00368	25.48	25.48	0.00	PERIOD	ALL	
00008760								
400630.00000	3273020.00000	0.00393	26.10	26.10	0.00	PERIOD	ALL	
00008760								
400630.00000	3273120.00000	0.00423	30.99	30.99	0.00	PERIOD	ALL	
00008760								
400630.00000	3273220.00000	0.00460	36.40	36.40	0.00	PERIOD	ALL	
00008760								
400630.00000	3273320.00000	0.00486	38.96	38.96	0.00	PERIOD	ALL	
00008760								
400630.00000	3273420.00000	0.00501	41.25	41.25	0.00	PERIOD	ALL	
00008760								
400630.00000	3273520.00000	0.00514	42.63	42.63	0.00	PERIOD	ALL	
00008760								
400630.00000	3273620.00000	0.00548	39.64	39.64	0.00	PERIOD	ALL	
00008760								
400630.00000	3273720.00000	0.00582	34.24	34.24	0.00	PERIOD	ALL	
00008760								
400630.00000	3273820.00000	0.00620	29.30	29.30	0.00	PERIOD	ALL	
00008760								
400630.00000	3273920.00000	0.00653	26.82	26.82	0.00	PERIOD	ALL	
00008760								
400630.00000	3274020.00000	0.00676	26.82	26.82	0.00	PERIOD	ALL	
00008760								
400630.00000	3274120.00000	0.00686	28.18	28.18	0.00	PERIOD	ALL	
00008760								
400630.00000	3274220.00000	0.00682	30.49	30.49	0.00	PERIOD	ALL	
00008760								
400630.00000	3274320.00000	0.00666	34.44	34.44	0.00	PERIOD	ALL	
00008760								
400630.00000	3274420.00000	0.00640	39.76	39.76	0.00	PERIOD	ALL	
00008760								
400630.00000	3274520.00000	0.00581	42.37	42.37	0.00	PERIOD	ALL	
00008760								
400630.00000	3274620.00000	0.00522	42.47	42.47	0.00	PERIOD	ALL	
00008760								
400630.00000	3274720.00000	0.00460	45.00	45.00	0.00	PERIOD	ALL	
00008760								
400630.00000	3274820.00000	0.00404	49.20	49.20	0.00	PERIOD	ALL	
00008760								
400630.00000	3274920.00000	0.00363	49.78	49.78	0.00	PERIOD	ALL	
00008760								
400630.00000	3275020.00000	0.00333	48.77	48.77	0.00	PERIOD	ALL	
00008760								

HAFBMAC.P03

400630.00000	3275120.00000	0.00306	50.17	50.17	0.00	PERIOD	ALL
00008760							
400630.00000	3275220.00000	0.00288	49.38	49.38	0.00	PERIOD	ALL
00008760							
400630.00000	3275320.00000	0.00274	47.98	47.98	0.00	PERIOD	ALL
00008760							
400630.00000	3275420.00000	0.00261	48.30	48.30	0.00	PERIOD	ALL
00008760							
400630.00000	3275520.00000	0.00248	49.28	49.28	0.00	PERIOD	ALL
00008760							
400630.00000	3275620.00000	0.00237	49.20	49.20	0.00	PERIOD	ALL
00008760							
400630.00000	3275720.00000	0.00227	47.98	47.98	0.00	PERIOD	ALL
00008760							
400630.00000	3275820.00000	0.00217	48.97	48.97	0.00	PERIOD	ALL
00008760							
400730.00000	3271820.00000	0.00172	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3271920.00000	0.00182	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272020.00000	0.00193	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272120.00000	0.00206	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272220.00000	0.00219	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272320.00000	0.00233	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272420.00000	0.00248	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272520.00000	0.00264	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272620.00000	0.00280	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272720.00000	0.00299	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272820.00000	0.00319	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272920.00000	0.00340	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3273020.00000	0.00361	28.58	28.58	0.00	PERIOD	ALL
00008760							
400730.00000	3273120.00000	0.00387	33.73	33.73	0.00	PERIOD	ALL
00008760							
400730.00000	3273220.00000	0.00412	37.01	37.01	0.00	PERIOD	ALL
00008760							
400730.00000	3273320.00000	0.00433	39.86	39.86	0.00	PERIOD	ALL
00008760							
400730.00000	3273420.00000	0.00440	43.48	43.48	0.00	PERIOD	ALL
00008760							
400730.00000	3273520.00000	0.00454	44.49	44.49	0.00	PERIOD	ALL
00008760							
400730.00000	3273620.00000	0.00492	41.58	41.58	0.00	PERIOD	ALL
00008760							
400730.00000	3273720.00000	0.00531	38.00	38.00	0.00	PERIOD	ALL
00008760							
400730.00000	3273820.00000	0.00562	33.93	33.93	0.00	PERIOD	ALL
00008760							
400730.00000	3273920.00000	0.00589	30.96	30.96	0.00	PERIOD	ALL
00008760							
400730.00000	3274020.00000	0.00605	29.26	29.26	0.00	PERIOD	ALL
00008760							
400730.00000	3274120.00000	0.00615	30.36	30.36	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
400730.00000	3274220.00000	0.00617	33.07	33.07	0.00	PERIOD	ALL	
00008760								
400730.00000	3274320.00000	0.00614	38.20	38.20	0.00	PERIOD	ALL	
00008760								
400730.00000	3274420.00000	0.00589	40.59	40.59	0.00	PERIOD	ALL	
00008760								
400730.00000	3274520.00000	0.00544	42.84	42.84	0.00	PERIOD	ALL	
00008760								
400730.00000	3274620.00000	0.00493	45.21	45.21	0.00	PERIOD	ALL	
00008760								
400730.00000	3274720.00000	0.00442	47.10	47.10	0.00	PERIOD	ALL	
00008760								
400730.00000	3274820.00000	0.00394	49.74	49.74	0.00	PERIOD	ALL	
00008760								
400730.00000	3274920.00000	0.00352	51.82	51.82	0.00	PERIOD	ALL	
00008760								
400730.00000	3275020.00000	0.00320	51.51	51.51	0.00	PERIOD	ALL	
00008760								
400730.00000	3275120.00000	0.00295	51.15	51.15	0.00	PERIOD	ALL	
00008760								
400730.00000	3275220.00000	0.00277	49.38	49.38	0.00	PERIOD	ALL	
00008760								
400730.00000	3275320.00000	0.00264	47.05	47.05	0.00	PERIOD	ALL	
00008760								
400730.00000	3275420.00000	0.00249	48.46	48.46	0.00	PERIOD	ALL	
00008760								
400730.00000	3275520.00000	0.00238	48.56	48.56	0.00	PERIOD	ALL	
00008760								
400730.00000	3275620.00000	0.00229	48.03	48.03	0.00	PERIOD	ALL	
00008760								
400730.00000	3275720.00000	0.00221	46.90	46.90	0.00	PERIOD	ALL	
00008760								
400730.00000	3275820.00000	0.00212	47.55	47.55	0.00	PERIOD	ALL	
00008760								
400830.00000	3271820.00000	0.00172	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400830.00000	3271920.00000	0.00181	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400830.00000	3272020.00000	0.00191	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400830.00000	3272120.00000	0.00202	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400830.00000	3272220.00000	0.00214	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400830.00000	3272320.00000	0.00226	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400830.00000	3272420.00000	0.00239	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400830.00000	3272520.00000	0.00252	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400830.00000	3272620.00000	0.00267	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400830.00000	3272720.00000	0.00283	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400830.00000	3272820.00000	0.00299	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400830.00000	3272920.00000	0.00312	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400830.00000	3273020.00000	0.00329	28.55	28.55	0.00	PERIOD	ALL	
00008760								
400830.00000	3273120.00000	0.00349	32.00	32.00	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03					
400830.00000	3273220.00000	0.00367	35.15	35.15	0.00	PERIOD	ALL
00008760							
400830.00000	3273320.00000	0.00386	38.91	38.91	0.00	PERIOD	ALL
00008760							
400830.00000	3273420.00000	0.00399	42.98	42.98	0.00	PERIOD	ALL
00008760							
400830.00000	3273520.00000	0.00409	46.02	46.02	0.00	PERIOD	ALL
00008760							
400830.00000	3273620.00000	0.00443	43.48	43.48	0.00	PERIOD	ALL
00008760							
400830.00000	3273720.00000	0.00484	41.15	41.15	0.00	PERIOD	ALL
00008760							
400830.00000	3273820.00000	0.00515	38.00	38.00	0.00	PERIOD	ALL
00008760							
400830.00000	3273920.00000	0.00536	34.75	34.75	0.00	PERIOD	ALL
00008760							
400830.00000	3274020.00000	0.00548	32.00	32.00	0.00	PERIOD	ALL
00008760							
400830.00000	3274120.00000	0.00557	32.41	32.41	0.00	PERIOD	ALL
00008760							
400830.00000	3274220.00000	0.00565	36.27	36.27	0.00	PERIOD	ALL
00008760							
400830.00000	3274320.00000	0.00561	39.32	39.32	0.00	PERIOD	ALL
00008760							
400830.00000	3274420.00000	0.00542	40.34	40.34	0.00	PERIOD	ALL
00008760							
400830.00000	3274520.00000	0.00508	42.67	42.67	0.00	PERIOD	ALL
00008760							
400830.00000	3274620.00000	0.00468	45.72	45.72	0.00	PERIOD	ALL
00008760							
400830.00000	3274720.00000	0.00426	47.65	47.65	0.00	PERIOD	ALL
00008760							
400830.00000	3274820.00000	0.00386	48.67	48.67	0.00	PERIOD	ALL
00008760							
400830.00000	3274920.00000	0.00348	49.99	49.99	0.00	PERIOD	ALL
00008760							
400830.00000	3275020.00000	0.00314	51.31	51.31	0.00	PERIOD	ALL
00008760							
400830.00000	3275120.00000	0.00288	51.71	51.71	0.00	PERIOD	ALL
00008760							
400830.00000	3275220.00000	0.00268	50.29	50.29	0.00	PERIOD	ALL
00008760							
400830.00000	3275320.00000	0.00255	46.53	46.53	0.00	PERIOD	ALL
00008760							
400830.00000	3275420.00000	0.00241	46.84	46.84	0.00	PERIOD	ALL
00008760							
400830.00000	3275520.00000	0.00227	50.29	50.29	0.00	PERIOD	ALL
00008760							
400830.00000	3275620.00000	0.00221	46.94	46.94	0.00	PERIOD	ALL
00008760							
400830.00000	3275720.00000	0.00214	45.11	45.11	0.00	PERIOD	ALL
00008760							
400830.00000	3275820.00000	0.00205	47.55	47.55	0.00	PERIOD	ALL
00008760							
400930.00000	3271820.00000	0.00171	25.30	25.30	0.00	PERIOD	ALL
00008760							
400930.00000	3271920.00000	0.00180	25.30	25.30	0.00	PERIOD	ALL
00008760							
400930.00000	3272020.00000	0.00189	25.30	25.30	0.00	PERIOD	ALL
00008760							
400930.00000	3272120.00000	0.00198	25.30	25.30	0.00	PERIOD	ALL
00008760							
400930.00000	3272220.00000	0.00209	25.30	25.30	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
400930.00000	3272320.00000	0.00219	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272420.00000	0.00230	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272520.00000	0.00242	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272620.00000	0.00254	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272720.00000	0.00267	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272820.00000	0.00278	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272920.00000	0.00288	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3273020.00000	0.00300	26.02	26.02	0.00	PERIOD	ALL	
00008760								
400930.00000	3273120.00000	0.00319	31.80	31.80	0.00	PERIOD	ALL	
00008760								
400930.00000	3273220.00000	0.00335	36.27	36.27	0.00	PERIOD	ALL	
00008760								
400930.00000	3273320.00000	0.00354	39.30	39.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3273420.00000	0.00365	42.77	42.77	0.00	PERIOD	ALL	
00008760								
400930.00000	3273520.00000	0.00380	43.75	43.75	0.00	PERIOD	ALL	
00008760								
400930.00000	3273620.00000	0.00412	41.33	41.33	0.00	PERIOD	ALL	
00008760								
400930.00000	3273720.00000	0.00443	40.84	40.84	0.00	PERIOD	ALL	
00008760								
400930.00000	3273820.00000	0.00473	40.04	40.04	0.00	PERIOD	ALL	
00008760								
400930.00000	3273920.00000	0.00491	37.33	37.33	0.00	PERIOD	ALL	
00008760								
400930.00000	3274020.00000	0.00499	33.63	33.63	0.00	PERIOD	ALL	
00008760								
400930.00000	3274120.00000	0.00498	29.55	29.55	0.00	PERIOD	ALL	
00008760								
400930.00000	3274220.00000	0.00500	30.87	32.31	0.00	PERIOD	ALL	
00008760								
400930.00000	3274320.00000	0.00497	32.82	33.83	0.00	PERIOD	ALL	
00008760								
400930.00000	3274420.00000	0.00493	37.23	37.23	0.00	PERIOD	ALL	
00008760								
400930.00000	3274520.00000	0.00477	40.76	40.76	0.00	PERIOD	ALL	
00008760								
400930.00000	3274620.00000	0.00445	43.89	43.89	0.00	PERIOD	ALL	
00008760								
400930.00000	3274720.00000	0.00412	45.29	45.29	0.00	PERIOD	ALL	
00008760								
400930.00000	3274820.00000	0.00378	46.14	46.14	0.00	PERIOD	ALL	
00008760								
400930.00000	3274920.00000	0.00344	46.94	46.94	0.00	PERIOD	ALL	
00008760								
400930.00000	3275020.00000	0.00313	47.73	47.73	0.00	PERIOD	ALL	
00008760								
400930.00000	3275120.00000	0.00286	48.39	48.39	0.00	PERIOD	ALL	
00008760								
400930.00000	3275220.00000	0.00265	47.96	47.96	0.00	PERIOD	ALL	
00008760								
400930.00000	3275320.00000	0.00250	45.21	45.21	0.00	PERIOD	ALL	
00008760								

HAFBMAC.P03

400930.00000	3275420.00000	0.00237	44.36	44.36	0.00	PERIOD	ALL
00008760							
400930.00000	3275520.00000	0.00224	45.52	45.52	0.00	PERIOD	ALL
00008760							
400930.00000	3275620.00000	0.00216	43.77	43.77	0.00	PERIOD	ALL
00008760							
400930.00000	3275720.00000	0.00206	45.04	45.04	0.00	PERIOD	ALL
00008760							
400930.00000	3275820.00000	0.00196	48.67	48.67	0.00	PERIOD	ALL
00008760							
401030.00000	3271820.00000	0.00170	25.17	25.17	0.00	PERIOD	ALL
00008760							
401030.00000	3271920.00000	0.00178	25.30	25.30	0.00	PERIOD	ALL
00008760							
401030.00000	3272020.00000	0.00186	25.30	25.30	0.00	PERIOD	ALL
00008760							
401030.00000	3272120.00000	0.00194	25.30	25.30	0.00	PERIOD	ALL
00008760							
401030.00000	3272220.00000	0.00203	25.30	25.30	0.00	PERIOD	ALL
00008760							
401030.00000	3272320.00000	0.00212	25.30	25.30	0.00	PERIOD	ALL
00008760							
401030.00000	3272420.00000	0.00222	25.30	25.30	0.00	PERIOD	ALL
00008760							
401030.00000	3272520.00000	0.00232	25.30	25.30	0.00	PERIOD	ALL
00008760							
401030.00000	3272620.00000	0.00242	25.30	25.30	0.00	PERIOD	ALL
00008760							
401030.00000	3272720.00000	0.00251	25.30	25.30	0.00	PERIOD	ALL
00008760							
401030.00000	3272820.00000	0.00259	25.30	25.30	0.00	PERIOD	ALL
00008760							
401030.00000	3272920.00000	0.00268	25.30	25.30	0.00	PERIOD	ALL
00008760							
401030.00000	3273020.00000	0.00278	25.48	25.48	0.00	PERIOD	ALL
00008760							
401030.00000	3273120.00000	0.00291	30.18	30.18	0.00	PERIOD	ALL
00008760							
401030.00000	3273220.00000	0.00306	35.19	35.19	0.00	PERIOD	ALL
00008760							
401030.00000	3273320.00000	0.00324	38.04	38.04	0.00	PERIOD	ALL
00008760							
401030.00000	3273420.00000	0.00341	40.74	40.74	0.00	PERIOD	ALL
00008760							
401030.00000	3273520.00000	0.00359	40.66	40.66	0.00	PERIOD	ALL
00008760							
401030.00000	3273620.00000	0.00379	38.31	38.31	0.00	PERIOD	ALL
00008760							
401030.00000	3273720.00000	0.00402	37.59	37.59	0.00	PERIOD	ALL
00008760							
401030.00000	3273820.00000	0.00427	37.77	37.77	0.00	PERIOD	ALL
00008760							
401030.00000	3273920.00000	0.00449	37.68	37.68	0.00	PERIOD	ALL
00008760							
401030.00000	3274020.00000	0.00454	33.43	33.43	0.00	PERIOD	ALL
00008760							
401030.00000	3274120.00000	0.00452	28.42	28.42	0.00	PERIOD	ALL
00008760							
401030.00000	3274220.00000	0.00453	28.35	28.35	0.00	PERIOD	ALL
00008760							
401030.00000	3274320.00000	0.00449	28.35	28.35	0.00	PERIOD	ALL
00008760							
401030.00000	3274420.00000	0.00441	29.80	29.80	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
401030.00000	3274520.00000	0.00439	36.65	36.65	0.00	PERIOD	ALL	
00008760								
401030.00000	3274620.00000	0.00425	40.13	40.13	0.00	PERIOD	ALL	
00008760								
401030.00000	3274720.00000	0.00398	42.08	42.08	0.00	PERIOD	ALL	
00008760								
401030.00000	3274820.00000	0.00369	43.05	43.05	0.00	PERIOD	ALL	
00008760								
401030.00000	3274920.00000	0.00338	44.91	44.91	0.00	PERIOD	ALL	
00008760								
401030.00000	3275020.00000	0.00310	45.42	45.42	0.00	PERIOD	ALL	
00008760								
401030.00000	3275120.00000	0.00286	45.13	45.13	0.00	PERIOD	ALL	
00008760								
401030.00000	3275220.00000	0.00265	44.40	44.40	0.00	PERIOD	ALL	
00008760								
401030.00000	3275320.00000	0.00249	42.91	42.91	0.00	PERIOD	ALL	
00008760								
401030.00000	3275420.00000	0.00236	41.11	41.11	0.00	PERIOD	ALL	
00008760								
401030.00000	3275520.00000	0.00224	40.44	40.44	0.00	PERIOD	ALL	
00008760								
401030.00000	3275620.00000	0.00213	40.82	40.82	0.00	PERIOD	ALL	
00008760								
401030.00000	3275720.00000	0.00199	44.85	44.85	0.00	PERIOD	ALL	
00008760								
401030.00000	3275820.00000	0.00189	48.87	48.87	0.00	PERIOD	ALL	
00008760								
401130.00000	3271820.00000	0.00168	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401130.00000	3271920.00000	0.00175	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401130.00000	3272020.00000	0.00183	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401130.00000	3272120.00000	0.00190	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401130.00000	3272220.00000	0.00198	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401130.00000	3272320.00000	0.00206	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401130.00000	3272420.00000	0.00213	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401130.00000	3272520.00000	0.00222	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401130.00000	3272620.00000	0.00229	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401130.00000	3272720.00000	0.00236	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401130.00000	3272820.00000	0.00243	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401130.00000	3272920.00000	0.00251	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401130.00000	3273020.00000	0.00257	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401130.00000	3273120.00000	0.00267	27.74	27.74	0.00	PERIOD	ALL	
00008760								
401130.00000	3273220.00000	0.00282	33.43	33.43	0.00	PERIOD	ALL	
00008760								
401130.00000	3273320.00000	0.00299	37.19	37.19	0.00	PERIOD	ALL	
00008760								
401130.00000	3273420.00000	0.00314	38.40	38.40	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03					
401130.00000	3273520.00000	0.00330	37.39	37.39	0.00	PERIOD	ALL
00008760							
401130.00000	3273620.00000	0.00346	35.15	35.15	0.00	PERIOD	ALL
00008760							
401130.00000	3273720.00000	0.00364	33.22	33.22	0.00	PERIOD	ALL
00008760							
401130.00000	3273820.00000	0.00385	33.32	33.32	0.00	PERIOD	ALL
00008760							
401130.00000	3273920.00000	0.00406	34.54	34.54	0.00	PERIOD	ALL
00008760							
401130.00000	3274020.00000	0.00415	32.31	32.31	0.00	PERIOD	ALL
00008760							
401130.00000	3274120.00000	0.00415	28.35	28.35	0.00	PERIOD	ALL
00008760							
401130.00000	3274220.00000	0.00417	28.35	28.35	0.00	PERIOD	ALL
00008760							
401130.00000	3274320.00000	0.00414	28.35	28.35	0.00	PERIOD	ALL
00008760							
401130.00000	3274420.00000	0.00408	28.45	28.45	0.00	PERIOD	ALL
00008760							
401130.00000	3274520.00000	0.00401	31.39	31.39	0.00	PERIOD	ALL
00008760							
401130.00000	3274620.00000	0.00390	34.44	34.44	0.00	PERIOD	ALL
00008760							
401130.00000	3274720.00000	0.00377	38.10	38.10	0.00	PERIOD	ALL
00008760							
401130.00000	3274820.00000	0.00356	42.27	42.27	0.00	PERIOD	ALL
00008760							
401130.00000	3274920.00000	0.00327	46.02	46.02	0.00	PERIOD	ALL
00008760							
401130.00000	3275020.00000	0.00305	44.09	44.09	0.00	PERIOD	ALL
00008760							
401130.00000	3275120.00000	0.00288	40.64	40.64	0.00	PERIOD	ALL
00008760							
401130.00000	3275220.00000	0.00266	39.62	39.62	0.00	PERIOD	ALL
00008760							
401130.00000	3275320.00000	0.00245	36.98	36.98	0.00	PERIOD	ALL
00008760							
401130.00000	3275420.00000	0.00228	35.56	35.56	0.00	PERIOD	ALL
00008760							
401130.00000	3275520.00000	0.00215	35.97	35.97	0.00	PERIOD	ALL
00008760							
401130.00000	3275620.00000	0.00207	39.52	39.52	0.00	PERIOD	ALL
00008760							
401130.00000	3275720.00000	0.00195	43.38	43.38	0.00	PERIOD	ALL
00008760							
401130.00000	3275820.00000	0.00184	46.33	46.33	0.00	PERIOD	ALL
00008760							
401230.00000	3271820.00000	0.00166	25.30	25.30	0.00	PERIOD	ALL
00008760							
401230.00000	3271920.00000	0.00173	25.30	25.30	0.00	PERIOD	ALL
00008760							
401230.00000	3272020.00000	0.00179	25.30	25.30	0.00	PERIOD	ALL
00008760							
401230.00000	3272120.00000	0.00186	25.30	25.30	0.00	PERIOD	ALL
00008760							
401230.00000	3272220.00000	0.00192	25.30	25.30	0.00	PERIOD	ALL
00008760							
401230.00000	3272320.00000	0.00199	25.30	25.30	0.00	PERIOD	ALL
00008760							
401230.00000	3272420.00000	0.00206	25.89	25.89	0.00	PERIOD	ALL
00008760							
401230.00000	3272520.00000	0.00213	27.43	27.43	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
401230.00000	3272620.00000	0.00218	26.28	26.28	0.00	PERIOD	ALL	
00008760								
401230.00000	3272720.00000	0.00224	26.28	26.28	0.00	PERIOD	ALL	
00008760								
401230.00000	3272820.00000	0.00229	26.01	26.01	0.00	PERIOD	ALL	
00008760								
401230.00000	3272920.00000	0.00235	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401230.00000	3273020.00000	0.00241	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401230.00000	3273120.00000	0.00248	26.21	26.21	0.00	PERIOD	ALL	
00008760								
401230.00000	3273220.00000	0.00263	32.45	32.45	0.00	PERIOD	ALL	
00008760								
401230.00000	3273320.00000	0.00278	36.08	36.08	0.00	PERIOD	ALL	
00008760								
401230.00000	3273420.00000	0.00292	36.68	36.68	0.00	PERIOD	ALL	
00008760								
401230.00000	3273520.00000	0.00303	33.58	33.58	0.00	PERIOD	ALL	
00008760								
401230.00000	3273620.00000	0.00318	31.81	31.81	0.00	PERIOD	ALL	
00008760								
401230.00000	3273720.00000	0.00334	30.07	30.07	0.00	PERIOD	ALL	
00008760								
401230.00000	3273820.00000	0.00352	29.75	29.75	0.00	PERIOD	ALL	
00008760								
401230.00000	3273920.00000	0.00371	31.95	31.95	0.00	PERIOD	ALL	
00008760								
401230.00000	3274020.00000	0.00385	32.92	32.92	0.00	PERIOD	ALL	
00008760								
401230.00000	3274120.00000	0.00384	28.35	28.35	0.00	PERIOD	ALL	
00008760								
401230.00000	3274220.00000	0.00386	28.35	28.35	0.00	PERIOD	ALL	
00008760								
401230.00000	3274320.00000	0.00385	28.35	28.35	0.00	PERIOD	ALL	
00008760								
401230.00000	3274420.00000	0.00380	28.35	28.35	0.00	PERIOD	ALL	
00008760								
401230.00000	3274520.00000	0.00373	29.83	29.83	0.00	PERIOD	ALL	
00008760								
401230.00000	3274620.00000	0.00371	36.07	36.07	0.00	PERIOD	ALL	
00008760								
401230.00000	3274720.00000	0.00362	40.50	40.50	0.00	PERIOD	ALL	
00008760								
401230.00000	3274820.00000	0.00341	42.77	42.77	0.00	PERIOD	ALL	
00008760								
401230.00000	3274920.00000	0.00318	44.60	44.60	0.00	PERIOD	ALL	
00008760								
401230.00000	3275020.00000	0.00297	44.97	44.97	0.00	PERIOD	ALL	
00008760								
401230.00000	3275120.00000	0.00281	41.04	41.04	0.00	PERIOD	ALL	
00008760								
401230.00000	3275220.00000	0.00255	34.04	34.04	0.00	PERIOD	ALL	
00008760								
401230.00000	3275320.00000	0.00237	32.92	32.92	0.00	PERIOD	ALL	
00008760								
401230.00000	3275420.00000	0.00221	32.92	32.92	0.00	PERIOD	ALL	
00008760								
401230.00000	3275520.00000	0.00208	32.92	32.92	0.00	PERIOD	ALL	
00008760								
401230.00000	3275620.00000	0.00201	37.67	37.67	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03					
401230.00000	3275720.00000	0.00193	39.98	39.98	0.00	PERIOD	ALL
00008760							
401230.00000	3275820.00000	0.00184	41.55	41.55	0.00	PERIOD	ALL
00008760							
401330.00000	3271820.00000	0.00164	25.30	25.30	0.00	PERIOD	ALL
00008760							
401330.00000	3271920.00000	0.00170	25.30	25.30	0.00	PERIOD	ALL
00008760							
401330.00000	3272020.00000	0.00175	25.30	25.30	0.00	PERIOD	ALL
00008760							
401330.00000	3272120.00000	0.00181	25.30	25.30	0.00	PERIOD	ALL
00008760							
401330.00000	3272220.00000	0.00187	25.30	25.30	0.00	PERIOD	ALL
00008760							
401330.00000	3272320.00000	0.00192	25.30	25.30	0.00	PERIOD	ALL
00008760							
401330.00000	3272420.00000	0.00197	25.42	25.42	0.00	PERIOD	ALL
00008760							
401330.00000	3272520.00000	0.00203	26.72	26.72	0.00	PERIOD	ALL
00008760							
401330.00000	3272620.00000	0.00207	26.12	26.12	0.00	PERIOD	ALL
00008760							
401330.00000	3272720.00000	0.00214	28.39	28.39	0.00	PERIOD	ALL
00008760							
401330.00000	3272820.00000	0.00219	27.94	27.94	0.00	PERIOD	ALL
00008760							
401330.00000	3272920.00000	0.00222	26.21	26.21	0.00	PERIOD	ALL
00008760							
401330.00000	3273020.00000	0.00227	26.10	26.10	0.00	PERIOD	ALL
00008760							
401330.00000	3273120.00000	0.00238	31.29	31.29	0.00	PERIOD	ALL
00008760							
401330.00000	3273220.00000	0.00249	33.64	33.64	0.00	PERIOD	ALL
00008760							
401330.00000	3273320.00000	0.00260	34.53	34.53	0.00	PERIOD	ALL
00008760							
401330.00000	3273420.00000	0.00272	34.14	34.14	0.00	PERIOD	ALL
00008760							
401330.00000	3273520.00000	0.00282	31.03	31.03	0.00	PERIOD	ALL
00008760							
401330.00000	3273620.00000	0.00294	27.95	27.95	0.00	PERIOD	ALL
00008760							
401330.00000	3273720.00000	0.00308	26.82	26.82	0.00	PERIOD	ALL
00008760							
401330.00000	3273820.00000	0.00325	26.93	26.93	0.00	PERIOD	ALL
00008760							
401330.00000	3273920.00000	0.00341	28.94	28.94	0.00	PERIOD	ALL
00008760							
401330.00000	3274020.00000	0.00355	30.99	30.99	0.00	PERIOD	ALL
00008760							
401330.00000	3274120.00000	0.00359	29.65	29.65	0.00	PERIOD	ALL
00008760							
401330.00000	3274220.00000	0.00359	28.35	28.35	0.00	PERIOD	ALL
00008760							
401330.00000	3274320.00000	0.00359	28.35	28.35	0.00	PERIOD	ALL
00008760							
401330.00000	3274420.00000	0.00355	28.35	28.35	0.00	PERIOD	ALL
00008760							
401330.00000	3274520.00000	0.00351	30.19	30.19	0.00	PERIOD	ALL
00008760							
401330.00000	3274620.00000	0.00348	35.05	35.05	0.00	PERIOD	ALL
00008760							
401330.00000	3274720.00000	0.00341	38.79	38.79	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
401330.00000	3274820.00000	0.00326	38.75	38.75	0.00	PERIOD	ALL	
00008760								
401330.00000	3274920.00000	0.00307	37.19	42.37	0.00	PERIOD	ALL	
00008760								
401330.00000	3275020.00000	0.00293	39.99	39.99	0.00	PERIOD	ALL	
00008760								
401330.00000	3275120.00000	0.00273	38.22	38.22	0.00	PERIOD	ALL	
00008760								
401330.00000	3275220.00000	0.00251	34.34	34.34	0.00	PERIOD	ALL	
00008760								
401330.00000	3275320.00000	0.00233	32.92	32.92	0.00	PERIOD	ALL	
00008760								
401330.00000	3275420.00000	0.00218	32.92	32.92	0.00	PERIOD	ALL	
00008760								
401330.00000	3275520.00000	0.00205	32.92	32.92	0.00	PERIOD	ALL	
00008760								
401330.00000	3275620.00000	0.00194	33.51	33.51	0.00	PERIOD	ALL	
00008760								
401330.00000	3275720.00000	0.00186	36.13	36.13	0.00	PERIOD	ALL	
00008760								
401330.00000	3275820.00000	0.00179	38.30	38.30	0.00	PERIOD	ALL	
00008760								
401430.00000	3271820.00000	0.00161	25.20	25.20	0.00	PERIOD	ALL	
00008760								
401430.00000	3271920.00000	0.00166	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401430.00000	3272020.00000	0.00171	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401430.00000	3272120.00000	0.00176	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401430.00000	3272220.00000	0.00181	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401430.00000	3272320.00000	0.00186	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401430.00000	3272420.00000	0.00191	27.53	27.53	0.00	PERIOD	ALL	
00008760								
401430.00000	3272520.00000	0.00195	27.43	27.43	0.00	PERIOD	ALL	
00008760								
401430.00000	3272620.00000	0.00199	27.84	27.84	0.00	PERIOD	ALL	
00008760								
401430.00000	3272720.00000	0.00203	27.94	27.94	0.00	PERIOD	ALL	
00008760								
401430.00000	3272820.00000	0.00206	26.21	26.21	0.00	PERIOD	ALL	
00008760								
401430.00000	3272920.00000	0.00212	28.65	28.65	0.00	PERIOD	ALL	
00008760								
401430.00000	3273020.00000	0.00219	32.00	32.00	0.00	PERIOD	ALL	
00008760								
401430.00000	3273120.00000	0.00228	34.14	34.14	0.00	PERIOD	ALL	
00008760								
401430.00000	3273220.00000	0.00239	36.58	36.58	0.00	PERIOD	ALL	
00008760								
401430.00000	3273320.00000	0.00248	36.07	36.07	0.00	PERIOD	ALL	
00008760								
401430.00000	3273420.00000	0.00255	32.31	32.31	0.00	PERIOD	ALL	
00008760								
401430.00000	3273520.00000	0.00264	29.16	29.16	0.00	PERIOD	ALL	
00008760								
401430.00000	3273620.00000	0.00275	26.82	26.82	0.00	PERIOD	ALL	
00008760								
401430.00000	3273720.00000	0.00290	26.82	26.82	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03					
401430.00000	3273820.00000	0.00304	26.82	26.82	0.00	PERIOD	ALL
00008760							
401430.00000	3273920.00000	0.00316	26.82	26.82	0.00	PERIOD	ALL
00008760							
401430.00000	3274020.00000	0.00330	30.48	30.48	0.00	PERIOD	ALL
00008760							
401430.00000	3274120.00000	0.00339	32.41	32.41	0.00	PERIOD	ALL
00008760							
401430.00000	3274220.00000	0.00336	28.55	28.55	0.00	PERIOD	ALL
00008760							
401430.00000	3274320.00000	0.00336	28.65	28.65	0.00	PERIOD	ALL
00008760							
401430.00000	3274420.00000	0.00338	32.21	32.21	0.00	PERIOD	ALL
00008760							
401430.00000	3274520.00000	0.00336	34.14	34.14	0.00	PERIOD	ALL
00008760							
401430.00000	3274620.00000	0.00330	35.36	35.36	0.00	PERIOD	ALL
00008760							
401430.00000	3274720.00000	0.00317	33.83	33.83	0.00	PERIOD	ALL
00008760							
401430.00000	3274820.00000	0.00301	30.58	30.58	0.00	PERIOD	ALL
00008760							
401430.00000	3274920.00000	0.00287	29.87	29.87	0.00	PERIOD	ALL
00008760							
401430.00000	3275020.00000	0.00273	30.48	30.48	0.00	PERIOD	ALL
00008760							
401430.00000	3275120.00000	0.00265	37.39	37.39	0.00	PERIOD	ALL
00008760							
401430.00000	3275220.00000	0.00251	38.71	38.71	0.00	PERIOD	ALL
00008760							
401430.00000	3275320.00000	0.00230	34.04	34.04	0.00	PERIOD	ALL
00008760							
401430.00000	3275420.00000	0.00215	32.92	32.92	0.00	PERIOD	ALL
00008760							
401430.00000	3275520.00000	0.00202	32.92	32.92	0.00	PERIOD	ALL
00008760							
401430.00000	3275620.00000	0.00191	33.63	33.63	0.00	PERIOD	ALL
00008760							
401430.00000	3275720.00000	0.00183	35.56	35.56	0.00	PERIOD	ALL
00008760							
401430.00000	3275820.00000	0.00174	36.27	36.27	0.00	PERIOD	ALL
00008760							
401530.00000	3271820.00000	0.00158	25.30	25.30	0.00	PERIOD	ALL
00008760							
401530.00000	3271920.00000	0.00162	25.30	25.30	0.00	PERIOD	ALL
00008760							
401530.00000	3272020.00000	0.00167	25.30	25.30	0.00	PERIOD	ALL
00008760							
401530.00000	3272120.00000	0.00172	26.10	26.10	0.00	PERIOD	ALL
00008760							
401530.00000	3272220.00000	0.00176	26.62	26.62	0.00	PERIOD	ALL
00008760							
401530.00000	3272320.00000	0.00180	27.50	27.50	0.00	PERIOD	ALL
00008760							
401530.00000	3272420.00000	0.00185	29.75	29.75	0.00	PERIOD	ALL
00008760							
401530.00000	3272520.00000	0.00189	29.87	29.87	0.00	PERIOD	ALL
00008760							
401530.00000	3272620.00000	0.00192	30.01	30.01	0.00	PERIOD	ALL
00008760							
401530.00000	3272720.00000	0.00194	27.86	27.86	0.00	PERIOD	ALL
00008760							
401530.00000	3272820.00000	0.00196	26.82	26.82	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
401530.00000	3272920.00000	0.00201	28.60	28.60	0.00	PERIOD	ALL	
00008760								
401530.00000	3273020.00000	0.00208	31.79	31.79	0.00	PERIOD	ALL	
00008760								
401530.00000	3273120.00000	0.00216	33.73	33.73	0.00	PERIOD	ALL	
00008760								
401530.00000	3273220.00000	0.00227	36.63	36.63	0.00	PERIOD	ALL	
00008760								
401530.00000	3273320.00000	0.00237	37.19	37.19	0.00	PERIOD	ALL	
00008760								
401530.00000	3273420.00000	0.00245	34.54	34.54	0.00	PERIOD	ALL	
00008760								
401530.00000	3273520.00000	0.00250	29.32	29.32	0.00	PERIOD	ALL	
00008760								
401530.00000	3273620.00000	0.00260	26.82	26.82	0.00	PERIOD	ALL	
00008760								
401530.00000	3273720.00000	0.00273	26.82	26.82	0.00	PERIOD	ALL	
00008760								
401530.00000	3273820.00000	0.00286	26.82	26.82	0.00	PERIOD	ALL	
00008760								
401530.00000	3273920.00000	0.00297	26.89	26.89	0.00	PERIOD	ALL	
00008760								
401530.00000	3274020.00000	0.00311	31.39	31.39	0.00	PERIOD	ALL	
00008760								
401530.00000	3274120.00000	0.00324	36.52	36.52	0.00	PERIOD	ALL	
00008760								
401530.00000	3274220.00000	0.00327	37.10	37.10	0.00	PERIOD	ALL	
00008760								
401530.00000	3274320.00000	0.00325	36.17	36.17	0.00	PERIOD	ALL	
00008760								
401530.00000	3274420.00000	0.00323	36.27	36.27	0.00	PERIOD	ALL	
00008760								
401530.00000	3274520.00000	0.00323	38.81	38.81	0.00	PERIOD	ALL	
00008760								
401530.00000	3274620.00000	0.00314	36.58	36.58	0.00	PERIOD	ALL	
00008760								
401530.00000	3274720.00000	0.00298	30.38	30.38	0.00	PERIOD	ALL	
00008760								
401530.00000	3274820.00000	0.00287	29.87	29.87	0.00	PERIOD	ALL	
00008760								
401530.00000	3274920.00000	0.00276	29.87	29.87	0.00	PERIOD	ALL	
00008760								
401530.00000	3275020.00000	0.00263	29.87	29.87	0.00	PERIOD	ALL	
00008760								
401530.00000	3275120.00000	0.00256	35.83	35.83	0.00	PERIOD	ALL	
00008760								
401530.00000	3275220.00000	0.00245	38.30	38.30	0.00	PERIOD	ALL	
00008760								
401530.00000	3275320.00000	0.00228	35.87	35.87	0.00	PERIOD	ALL	
00008760								
401530.00000	3275420.00000	0.00214	35.41	35.41	0.00	PERIOD	ALL	
00008760								
401530.00000	3275520.00000	0.00200	33.22	33.22	0.00	PERIOD	ALL	
00008760								
401530.00000	3275620.00000	0.00188	32.92	32.92	0.00	PERIOD	ALL	
00008760								
401530.00000	3275720.00000	0.00178	32.99	37.19	0.00	PERIOD	ALL	
00008760								
401530.00000	3275820.00000	0.00174	39.83	39.83	0.00	PERIOD	ALL	
00008760								
397530.00000	3276320.00000	0.00092	29.87	29.87	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03					
397530.00000	3276820.00000	0.00081	29.87	29.87	0.00	PERIOD	ALL
00008760							
397530.00000	3277320.00000	0.00072	30.48	30.48	0.00	PERIOD	ALL
00008760							
397530.00000	3277820.00000	0.00066	31.29	31.29	0.00	PERIOD	ALL
00008760							
398030.00000	3276320.00000	0.00102	29.87	29.87	0.00	PERIOD	ALL
00008760							
398030.00000	3276820.00000	0.00088	29.87	29.87	0.00	PERIOD	ALL
00008760							
398030.00000	3277320.00000	0.00077	29.87	29.87	0.00	PERIOD	ALL
00008760							
398030.00000	3277820.00000	0.00070	31.64	31.64	0.00	PERIOD	ALL
00008760							
398530.00000	3276320.00000	0.00111	29.64	29.64	0.00	PERIOD	ALL
00008760							
398530.00000	3276820.00000	0.00094	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3277320.00000	0.00081	30.48	30.48	0.00	PERIOD	ALL
00008760							
398530.00000	3277820.00000	0.00075	40.90	40.90	0.00	PERIOD	ALL
00008760							
399030.00000	3276320.00000	0.00119	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3276820.00000	0.00098	30.18	30.18	0.00	PERIOD	ALL
00008760							
399030.00000	3277320.00000	0.00087	42.37	42.37	0.00	PERIOD	ALL
00008760							
399030.00000	3277820.00000	0.00076	44.09	44.09	0.00	PERIOD	ALL
00008760							
399530.00000	3276320.00000	0.00129	44.24	44.24	0.00	PERIOD	ALL
00008760							
399530.00000	3276820.00000	0.00104	42.09	42.09	0.00	PERIOD	ALL
00008760							
399530.00000	3277320.00000	0.00085	47.24	47.24	0.00	PERIOD	ALL
00008760							
399530.00000	3277820.00000	0.00075	43.09	43.09	0.00	PERIOD	ALL
00008760							
400030.00000	3276320.00000	0.00144	49.63	49.63	0.00	PERIOD	ALL
00008760							
400030.00000	3276820.00000	0.00110	52.61	52.61	0.00	PERIOD	ALL
00008760							
400030.00000	3277320.00000	0.00090	53.34	53.34	0.00	PERIOD	ALL
00008760							
400030.00000	3277820.00000	0.00076	54.00	54.00	0.00	PERIOD	ALL
00008760							
400530.00000	3276320.00000	0.00167	52.32	52.32	0.00	PERIOD	ALL
00008760							
400530.00000	3276820.00000	0.00129	52.63	52.63	0.00	PERIOD	ALL
00008760							
400530.00000	3277320.00000	0.00102	53.04	53.04	0.00	PERIOD	ALL
00008760							
400530.00000	3277820.00000	0.00084	53.85	53.85	0.00	PERIOD	ALL
00008760							
401030.00000	3276320.00000	0.00160	55.29	55.29	0.00	PERIOD	ALL
00008760							
401030.00000	3276820.00000	0.00138	51.05	51.05	0.00	PERIOD	ALL
00008760							
401030.00000	3277320.00000	0.00115	52.02	52.02	0.00	PERIOD	ALL
00008760							
401030.00000	3277820.00000	0.00098	44.97	44.97	0.00	PERIOD	ALL
00008760							
401530.00000	3276320.00000	0.00135	58.52	58.52	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
401530.00000	3276820.00000	0.00123	63.95	63.95	0.00	PERIOD	ALL	
00008760								
401530.00000	3277320.00000	0.00115	45.72	45.72	0.00	PERIOD	ALL	
00008760								
401530.00000	3277820.00000	0.00100	32.54	32.54	0.00	PERIOD	ALL	
00008760								
402030.00000	3276320.00000	0.00125	52.22	52.22	0.00	PERIOD	ALL	
00008760								
402030.00000	3276820.00000	0.00107	55.68	55.68	0.00	PERIOD	ALL	
00008760								
402030.00000	3277320.00000	0.00102	48.16	48.16	0.00	PERIOD	ALL	
00008760								
402030.00000	3277820.00000	0.00094	29.87	29.87	0.00	PERIOD	ALL	
00008760								
402530.00000	3276320.00000	0.00125	35.95	35.95	0.00	PERIOD	ALL	
00008760								
402530.00000	3276820.00000	0.00105	42.88	42.88	0.00	PERIOD	ALL	
00008760								
402530.00000	3277320.00000	0.00093	39.93	39.93	0.00	PERIOD	ALL	
00008760								
402530.00000	3277820.00000	0.00083	27.97	27.97	0.00	PERIOD	ALL	
00008760								
403030.00000	3276320.00000	0.00120	41.95	41.95	0.00	PERIOD	ALL	
00008760								
403030.00000	3276820.00000	0.00101	45.48	45.48	0.00	PERIOD	ALL	
00008760								
403030.00000	3277320.00000	0.00087	47.24	47.24	0.00	PERIOD	ALL	
00008760								
403030.00000	3277820.00000	0.00076	28.72	28.72	0.00	PERIOD	ALL	
00008760								
403530.00000	3276320.00000	0.00112	43.27	43.27	0.00	PERIOD	ALL	
00008760								
403530.00000	3276820.00000	0.00097	50.19	50.19	0.00	PERIOD	ALL	
00008760								
403530.00000	3277320.00000	0.00088	41.00	41.00	0.00	PERIOD	ALL	
00008760								
403530.00000	3277820.00000	0.00074	29.57	29.57	0.00	PERIOD	ALL	
00008760								
402030.00000	3275820.00000	0.00164	38.10	38.10	0.00	PERIOD	ALL	
00008760								
402030.00000	3275320.00000	0.00202	33.22	33.22	0.00	PERIOD	ALL	
00008760								
402030.00000	3274820.00000	0.00241	38.81	38.81	0.00	PERIOD	ALL	
00008760								
402030.00000	3274320.00000	0.00254	39.93	39.93	0.00	PERIOD	ALL	
00008760								
402030.00000	3273820.00000	0.00221	26.82	26.82	0.00	PERIOD	ALL	
00008760								
402030.00000	3273320.00000	0.00186	28.24	28.24	0.00	PERIOD	ALL	
00008760								
402030.00000	3272820.00000	0.00163	31.39	31.39	0.00	PERIOD	ALL	
00008760								
402030.00000	3272320.00000	0.00149	25.30	25.30	0.00	PERIOD	ALL	
00008760								
402030.00000	3271820.00000	0.00140	25.30	25.30	0.00	PERIOD	ALL	
00008760								
402030.00000	3271320.00000	0.00128	28.35	28.35	0.00	PERIOD	ALL	
00008760								
402030.00000	3270820.00000	0.00111	24.38	24.38	0.00	PERIOD	ALL	
00008760								
402030.00000	3270320.00000	0.00100	31.19	31.19	0.00	PERIOD	ALL	
00008760								

HAFBMAC.P03

402030.00000	3269820.00000	0.00088	31.39	31.39	0.00	PERIOD	ALL
00008760							
402530.00000	3275820.00000	0.00150	32.92	32.92	0.00	PERIOD	ALL
00008760							
402530.00000	3275320.00000	0.00172	26.82	26.82	0.00	PERIOD	ALL
00008760							
402530.00000	3274820.00000	0.00191	27.56	27.56	0.00	PERIOD	ALL
00008760							
402530.00000	3274320.00000	0.00196	28.45	28.45	0.00	PERIOD	ALL
00008760							
402530.00000	3273820.00000	0.00181	26.95	26.95	0.00	PERIOD	ALL
00008760							
402530.00000	3273320.00000	0.00156	26.82	26.82	0.00	PERIOD	ALL
00008760							
402530.00000	3272820.00000	0.00135	25.30	25.30	0.00	PERIOD	ALL
00008760							
402530.00000	3272320.00000	0.00126	25.30	25.30	0.00	PERIOD	ALL
00008760							
402530.00000	3271820.00000	0.00127	34.14	34.14	0.00	PERIOD	ALL
00008760							
402530.00000	3271320.00000	0.00118	28.75	28.75	0.00	PERIOD	ALL
00008760							
402530.00000	3270820.00000	0.00107	23.84	23.84	0.00	PERIOD	ALL
00008760							
402530.00000	3270320.00000	0.00097	23.77	23.77	0.00	PERIOD	ALL
00008760							
402530.00000	3269820.00000	0.00087	25.70	27.74	0.00	PERIOD	ALL
00008760							
403030.00000	3275820.00000	0.00135	30.58	30.58	0.00	PERIOD	ALL
00008760							
403030.00000	3275320.00000	0.00151	26.82	26.82	0.00	PERIOD	ALL
00008760							
403030.00000	3274820.00000	0.00161	26.82	26.82	0.00	PERIOD	ALL
00008760							
403030.00000	3274320.00000	0.00163	26.82	26.82	0.00	PERIOD	ALL
00008760							
403030.00000	3273820.00000	0.00155	30.60	30.60	0.00	PERIOD	ALL
00008760							
403030.00000	3273320.00000	0.00137	31.57	31.57	0.00	PERIOD	ALL
00008760							
403030.00000	3272820.00000	0.00122	31.19	31.19	0.00	PERIOD	ALL
00008760							
403030.00000	3272320.00000	0.00109	25.30	25.30	0.00	PERIOD	ALL
00008760							
403030.00000	3271820.00000	0.00107	25.30	25.30	0.00	PERIOD	ALL
00008760							
403030.00000	3271320.00000	0.00105	25.60	25.60	0.00	PERIOD	ALL
00008760							
403030.00000	3270820.00000	0.00102	26.49	26.49	0.00	PERIOD	ALL
00008760							
403030.00000	3270320.00000	0.00095	26.05	26.05	0.00	PERIOD	ALL
00008760							
403030.00000	3269820.00000	0.00086	25.50	25.50	0.00	PERIOD	ALL
00008760							
403530.00000	3275820.00000	0.00124	32.00	32.00	0.00	PERIOD	ALL
00008760							
403530.00000	3275320.00000	0.00134	27.01	27.01	0.00	PERIOD	ALL
00008760							
403530.00000	3274820.00000	0.00140	28.00	28.00	0.00	PERIOD	ALL
00008760							
403530.00000	3274320.00000	0.00140	27.00	27.00	0.00	PERIOD	ALL
00008760							
403530.00000	3273820.00000	0.00133	29.00	29.00	0.00	PERIOD	ALL

HAFBMAC.P03

00008760								
403530.00000	3273320.00000	0.00117	24.33	24.33	0.00	PERIOD	ALL	
00008760								
403530.00000	3272820.00000	0.00111	33.00	33.00	0.00	PERIOD	ALL	
00008760								
403530.00000	3272320.00000	0.00097	26.00	26.00	0.00	PERIOD	ALL	
00008760								
403530.00000	3271820.00000	0.00094	24.00	24.00	0.00	PERIOD	ALL	
00008760								
403530.00000	3271320.00000	0.00094	23.00	30.00	0.00	PERIOD	ALL	
00008760								
403530.00000	3270820.00000	0.00093	24.33	24.33	0.00	PERIOD	ALL	
00008760								
403530.00000	3270320.00000	0.00091	29.00	29.00	0.00	PERIOD	ALL	
00008760								
403530.00000	3269820.00000	0.00087	33.00	33.00	0.00	PERIOD	ALL	
00008760								
401530.00000	3271320.00000	0.00134	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401530.00000	3270820.00000	0.00112	24.38	24.38	0.00	PERIOD	ALL	
00008760								
401530.00000	3270320.00000	0.00096	24.38	24.38	0.00	PERIOD	ALL	
00008760								
401530.00000	3269820.00000	0.00086	29.06	32.31	0.00	PERIOD	ALL	
00008760								
401030.00000	3271320.00000	0.00138	28.75	28.75	0.00	PERIOD	ALL	
00008760								
401030.00000	3270820.00000	0.00111	24.38	24.38	0.00	PERIOD	ALL	
00008760								
401030.00000	3270320.00000	0.00093	24.38	24.38	0.00	PERIOD	ALL	
00008760								
401030.00000	3269820.00000	0.00082	28.75	28.75	0.00	PERIOD	ALL	
00008760								
400530.00000	3271320.00000	0.00135	32.92	32.92	0.00	PERIOD	ALL	
00008760								
400530.00000	3270820.00000	0.00112	37.19	37.19	0.00	PERIOD	ALL	
00008760								
400530.00000	3270320.00000	0.00094	35.46	35.46	0.00	PERIOD	ALL	
00008760								
400530.00000	3269820.00000	0.00082	32.92	32.92	0.00	PERIOD	ALL	
00008760								
400030.00000	3271320.00000	0.00141	33.83	33.83	0.00	PERIOD	ALL	
00008760								
400030.00000	3270820.00000	0.00120	34.73	34.73	0.00	PERIOD	ALL	
00008760								
400030.00000	3270320.00000	0.00104	31.75	31.75	0.00	PERIOD	ALL	
00008760								
400030.00000	3269820.00000	0.00095	35.36	35.36	0.00	PERIOD	ALL	
00008760								
399530.00000	3271320.00000	0.00182	35.15	35.15	0.00	PERIOD	ALL	
00008760								
399530.00000	3270820.00000	0.00146	30.66	30.66	0.00	PERIOD	ALL	
00008760								
399530.00000	3270320.00000	0.00122	27.50	27.50	0.00	PERIOD	ALL	
00008760								
399530.00000	3269820.00000	0.00107	31.50	31.50	0.00	PERIOD	ALL	
00008760								
399030.00000	3271320.00000	0.00197	26.82	26.82	0.00	PERIOD	ALL	
00008760								
399030.00000	3270820.00000	0.00159	26.82	26.82	0.00	PERIOD	ALL	
00008760								
399030.00000	3270320.00000	0.00132	26.82	26.82	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03					
399030.00000	3269820.00000	0.00116	33.83	33.83	0.00	PERIOD	ALL
00008760							
398530.00000	3271320.00000	0.00188	26.82	26.82	0.00	PERIOD	ALL
00008760							
398530.00000	3270820.00000	0.00159	31.09	31.09	0.00	PERIOD	ALL
00008760							
398530.00000	3270320.00000	0.00135	31.56	31.56	0.00	PERIOD	ALL
00008760							
398530.00000	3269820.00000	0.00115	30.48	30.48	0.00	PERIOD	ALL
00008760							
398030.00000	3271320.00000	0.00165	30.78	30.78	0.00	PERIOD	ALL
00008760							
398030.00000	3270820.00000	0.00145	31.35	31.35	0.00	PERIOD	ALL
00008760							
398030.00000	3270320.00000	0.00126	26.82	26.82	0.00	PERIOD	ALL
00008760							
398030.00000	3269820.00000	0.00111	27.84	27.84	0.00	PERIOD	ALL
00008760							
397530.00000	3271320.00000	0.00142	28.04	28.04	0.00	PERIOD	ALL
00008760							
397530.00000	3270820.00000	0.00125	27.33	27.33	0.00	PERIOD	ALL
00008760							
397530.00000	3270320.00000	0.00113	26.82	26.82	0.00	PERIOD	ALL
00008760							
397530.00000	3269820.00000	0.00104	29.57	29.57	0.00	PERIOD	ALL
00008760							
397030.00000	3271320.00000	0.00128	26.82	26.82	0.00	PERIOD	ALL
00008760							
397030.00000	3270820.00000	0.00113	26.82	26.82	0.00	PERIOD	ALL
00008760							
397030.00000	3270320.00000	0.00103	31.27	31.27	0.00	PERIOD	ALL
00008760							
397030.00000	3269820.00000	0.00095	31.39	31.39	0.00	PERIOD	ALL
00008760							
396530.00000	3271320.00000	0.00122	29.57	29.57	0.00	PERIOD	ALL
00008760							
396530.00000	3270820.00000	0.00107	29.87	29.87	0.00	PERIOD	ALL
00008760							
396530.00000	3270320.00000	0.00096	30.54	30.54	0.00	PERIOD	ALL
00008760							
396530.00000	3269820.00000	0.00086	27.13	27.13	0.00	PERIOD	ALL
00008760							
396030.00000	3271320.00000	0.00118	28.35	28.35	0.00	PERIOD	ALL
00008760							
396030.00000	3270820.00000	0.00102	26.82	26.82	0.00	PERIOD	ALL
00008760							
396030.00000	3270320.00000	0.00092	31.60	31.60	0.00	PERIOD	ALL
00008760							
396030.00000	3269820.00000	0.00082	26.82	26.82	0.00	PERIOD	ALL
00008760							
395530.00000	3271320.00000	0.00114	32.21	32.21	0.00	PERIOD	ALL
00008760							
395530.00000	3270820.00000	0.00101	28.43	28.43	0.00	PERIOD	ALL
00008760							
395530.00000	3270320.00000	0.00089	29.25	29.25	0.00	PERIOD	ALL
00008760							
395530.00000	3269820.00000	0.00081	31.90	31.90	0.00	PERIOD	ALL
00008760							
397030.00000	3271820.00000	0.00149	26.82	26.82	0.00	PERIOD	ALL
00008760							
397030.00000	3272320.00000	0.00171	26.82	26.82	0.00	PERIOD	ALL
00008760							
397030.00000	3272820.00000	0.00187	36.47	36.47	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
397030.00000	3273320.00000	0.00185	37.55	37.55	0.00	PERIOD	ALL	
00008760								
397030.00000	3273820.00000	0.00171	40.23	40.23	0.00	PERIOD	ALL	
00008760								
397030.00000	3274320.00000	0.00131	41.35	41.35	0.00	PERIOD	ALL	
00008760								
397030.00000	3274820.00000	0.00108	38.60	38.60	0.00	PERIOD	ALL	
00008760								
397030.00000	3275320.00000	0.00095	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397030.00000	3275820.00000	0.00085	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397030.00000	3276320.00000	0.00080	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397030.00000	3276820.00000	0.00075	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397030.00000	3277320.00000	0.00068	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397030.00000	3277820.00000	0.00065	40.41	40.41	0.00	PERIOD	ALL	
00008760								
396530.00000	3271820.00000	0.00141	29.77	29.77	0.00	PERIOD	ALL	
00008760								
396530.00000	3272320.00000	0.00148	26.82	26.82	0.00	PERIOD	ALL	
00008760								
396530.00000	3272820.00000	0.00151	29.87	29.87	0.00	PERIOD	ALL	
00008760								
396530.00000	3273320.00000	0.00150	33.29	33.29	0.00	PERIOD	ALL	
00008760								
396530.00000	3273820.00000	0.00142	36.44	36.44	0.00	PERIOD	ALL	
00008760								
396530.00000	3274320.00000	0.00110	29.87	29.87	0.00	PERIOD	ALL	
00008760								
396530.00000	3274820.00000	0.00089	29.87	29.87	0.00	PERIOD	ALL	
00008760								
396530.00000	3275320.00000	0.00085	39.57	39.57	0.00	PERIOD	ALL	
00008760								
396530.00000	3275820.00000	0.00075	35.86	35.86	0.00	PERIOD	ALL	
00008760								
396530.00000	3276320.00000	0.00069	31.46	31.46	0.00	PERIOD	ALL	
00008760								
396530.00000	3276820.00000	0.00066	29.87	29.87	0.00	PERIOD	ALL	
00008760								
396530.00000	3277320.00000	0.00066	40.94	40.94	0.00	PERIOD	ALL	
00008760								
396530.00000	3277820.00000	0.00061	42.67	42.67	0.00	PERIOD	ALL	
00008760								
396030.00000	3271820.00000	0.00129	30.99	30.99	0.00	PERIOD	ALL	
00008760								
396030.00000	3272320.00000	0.00132	32.31	32.31	0.00	PERIOD	ALL	
00008760								
396030.00000	3272820.00000	0.00134	35.97	35.97	0.00	PERIOD	ALL	
00008760								
396030.00000	3273320.00000	0.00132	43.69	43.69	0.00	PERIOD	ALL	
00008760								
396030.00000	3273820.00000	0.00125	44.20	44.20	0.00	PERIOD	ALL	
00008760								
396030.00000	3274320.00000	0.00103	44.20	44.20	0.00	PERIOD	ALL	
00008760								
396030.00000	3274820.00000	0.00081	44.20	44.20	0.00	PERIOD	ALL	
00008760								
396030.00000	3275320.00000	0.00075	38.51	38.51	0.00	PERIOD	ALL	
00008760								

HAFBMAC.P03

396030.00000	3275820.00000	0.00067	29.87	29.87	0.00	PERIOD	ALL
00008760							
396030.00000	3276320.00000	0.00061	29.87	29.87	0.00	PERIOD	ALL
00008760							
396030.00000	3276820.00000	0.00058	29.87	29.87	0.00	PERIOD	ALL
00008760							
396030.00000	3277320.00000	0.00056	31.39	31.39	0.00	PERIOD	ALL
00008760							
396030.00000	3277820.00000	0.00057	40.03	40.03	0.00	PERIOD	ALL
00008760							
395530.00000	3271820.00000	0.00118	35.18	35.18	0.00	PERIOD	ALL
00008760							
395530.00000	3272320.00000	0.00118	36.15	36.15	0.00	PERIOD	ALL
00008760							
395530.00000	3272820.00000	0.00119	37.69	37.69	0.00	PERIOD	ALL
00008760							
395530.00000	3273320.00000	0.00119	42.42	42.42	0.00	PERIOD	ALL
00008760							
395530.00000	3273820.00000	0.00113	44.52	44.52	0.00	PERIOD	ALL
00008760							
395530.00000	3274320.00000	0.00093	46.74	46.74	0.00	PERIOD	ALL
00008760							
395530.00000	3274820.00000	0.00075	46.88	46.88	0.00	PERIOD	ALL
00008760							
395530.00000	3275320.00000	0.00068	39.75	39.75	0.00	PERIOD	ALL
00008760							
395530.00000	3275820.00000	0.00061	30.18	30.18	0.00	PERIOD	ALL
00008760							
395530.00000	3276320.00000	0.00056	29.87	29.87	0.00	PERIOD	ALL
00008760							
395530.00000	3276820.00000	0.00052	29.87	29.87	0.00	PERIOD	ALL
00008760							
395530.00000	3277320.00000	0.00050	32.00	32.00	0.00	PERIOD	ALL
00008760							
395530.00000	3277820.00000	0.00050	33.29	33.29	0.00	PERIOD	ALL
00008760							
399199.40625	3273888.75000	0.01845	41.94	41.94	0.00	PERIOD	ALL
00008760							
399235.34375	3273972.50000	0.01785	38.43	38.43	0.00	PERIOD	ALL
00008760							
399237.87500	3274073.25000	0.01500	34.04	34.04	0.00	PERIOD	ALL
00008760							
399450.65625	3274213.75000	0.01865	35.66	35.66	0.00	PERIOD	ALL
00008760							
399549.46875	3274263.25000	0.01716	35.53	35.53	0.00	PERIOD	ALL
00008760							
399672.43750	3274333.50000	0.01534	37.20	37.20	0.00	PERIOD	ALL
00008760							
399823.96875	3274378.75000	0.01310	36.98	36.98	0.00	PERIOD	ALL
00008760							
399721.15625	3273824.75000	0.02595	34.59	34.59	0.00	PERIOD	ALL
00008760							
399707.93750	3273566.50000	0.01879	34.18	34.18	0.00	PERIOD	ALL
00008760							
399611.34375	3273252.75000	0.00987	32.66	32.66	0.00	PERIOD	ALL
00008760							
399202.68750	3273265.50000	0.01251	33.61	33.61	0.00	PERIOD	ALL
00008760							
399217.37500	3273930.75000	0.01887	40.09	40.09	0.00	PERIOD	ALL
00008760							
399236.18750	3274006.25000	0.01668	36.63	36.63	0.00	PERIOD	ALL
00008760							
399237.03125	3274039.75000	0.01575	34.98	34.98	0.00	PERIOD	ALL

HAFLBMAC.P03

00008760								
399273.34375	3274096.75000	0.01537	34.43	34.43	0.00	PERIOD	ALL	
00008760								
399308.81250	3274120.00000	0.01537	34.59	34.59	0.00	PERIOD	ALL	
00008760								
399344.28125	3274143.50000	0.01575	35.39	35.39	0.00	PERIOD	ALL	
00008760								
399379.71875	3274167.00000	0.01900	36.48	36.48	0.00	PERIOD	ALL	
00008760								
399415.18750	3274190.25000	0.01970	36.48	36.48	0.00	PERIOD	ALL	
00008760								
399483.62500	3274230.25000	0.01815	34.85	34.85	0.00	PERIOD	ALL	
00008760								
399516.53125	3274246.75000	0.01908	35.39	35.39	0.00	PERIOD	ALL	
00008760								
399590.46875	3274286.75000	0.01625	36.40	36.40	0.00	PERIOD	ALL	
00008760								
399631.43750	3274310.00000	0.01525	37.43	37.43	0.00	PERIOD	ALL	
00008760								
399710.34375	3274344.75000	0.01464	37.08	37.08	0.00	PERIOD	ALL	
00008760								
399748.21875	3274356.25000	0.01380	36.64	36.64	0.00	PERIOD	ALL	
00008760								
399786.09375	3274367.50000	0.01356	36.82	36.82	0.00	PERIOD	ALL	
00008760								
399815.40625	3274332.75000	0.01470	37.41	37.41	0.00	PERIOD	ALL	
00008760								
399806.84375	3274286.50000	0.01658	38.03	38.03	0.00	PERIOD	ALL	
00008760								
399798.28125	3274240.25000	0.01799	38.07	38.07	0.00	PERIOD	ALL	
00008760								
399789.71875	3274194.25000	0.02012	38.44	38.44	0.00	PERIOD	ALL	
00008760								
399781.12500	3274148.00000	0.02261	38.67	38.67	0.00	PERIOD	ALL	
00008760								
399772.56250	3274101.75000	0.02550	38.36	38.36	0.00	PERIOD	ALL	
00008760								
399764.00000	3274055.75000	0.03007	38.24	38.24	0.00	PERIOD	ALL	
00008760								
399755.43750	3274009.50000	0.03596	37.37	37.37	0.00	PERIOD	ALL	
00008760								
399746.87500	3273963.25000	0.04120	36.43	36.43	0.00	PERIOD	ALL	
00008760								
399738.31250	3273917.25000	0.04392	35.96	35.96	0.00	PERIOD	ALL	
00008760								
399729.75000	3273871.00000	0.03984	35.56	35.56	0.00	PERIOD	ALL	
00008760								
399718.96875	3273781.75000	0.01921	33.34	33.34	0.00	PERIOD	ALL	
00008760								
399716.75000	3273738.75000	0.01931	31.65	31.65	0.00	PERIOD	ALL	
00008760								
399714.56250	3273695.75000	0.02063	31.78	31.78	0.00	PERIOD	ALL	
00008760								
399712.37500	3273652.75000	0.02112	33.89	33.89	0.00	PERIOD	ALL	
00008760								
399710.15625	3273609.50000	0.02059	35.33	35.33	0.00	PERIOD	ALL	
00008760								
399694.15625	3273521.75000	0.01681	33.95	33.95	0.00	PERIOD	ALL	
00008760								
399680.34375	3273477.00000	0.01554	33.62	33.62	0.00	PERIOD	ALL	
00008760								
399666.56250	3273432.00000	0.01408	33.47	33.47	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P03					
399652.75000	3273387.25000	0.01250	32.83	32.83	0.00	PERIOD	ALL
00008760							
399638.93750	3273342.50000	0.01122	32.51	32.51	0.00	PERIOD	ALL
00008760							
399625.15625	3273297.75000	0.01052	32.52	32.52	0.00	PERIOD	ALL
00008760							
399565.93750	3273254.25000	0.01133	34.19	34.19	0.00	PERIOD	ALL
00008760							
399520.53125	3273255.75000	0.01233	34.95	34.95	0.00	PERIOD	ALL
00008760							
399475.12500	3273257.00000	0.01361	36.02	36.02	0.00	PERIOD	ALL
00008760							
399429.71875	3273258.50000	0.01464	36.71	36.71	0.00	PERIOD	ALL
00008760							
399384.31250	3273260.00000	0.01428	37.20	37.20	0.00	PERIOD	ALL
00008760							
399338.90625	3273261.25000	0.01452	37.09	37.09	0.00	PERIOD	ALL
00008760							
399293.50000	3273262.75000	0.01452	36.17	36.17	0.00	PERIOD	ALL
00008760							
399248.12500	3273264.25000	0.01353	34.92	34.92	0.00	PERIOD	ALL
00008760							
399202.43750	3273313.50000	0.01392	36.55	36.55	0.00	PERIOD	ALL
00008760							
399202.18750	3273361.50000	0.01577	39.47	39.47	0.00	PERIOD	ALL
00008760							
399201.93750	3273409.50000	0.01785	41.75	41.75	0.00	PERIOD	ALL
00008760							
399201.68750	3273457.25000	0.01898	44.13	44.13	0.00	PERIOD	ALL
00008760							
399201.43750	3273505.25000	0.02121	44.41	44.41	0.00	PERIOD	ALL
00008760							
399201.18750	3273553.25000	0.02375	43.65	43.65	0.00	PERIOD	ALL
00008760							
399200.93750	3273601.00000	0.02273	43.97	43.97	0.00	PERIOD	ALL
00008760							
399200.68750	3273649.00000	0.02292	43.60	43.60	0.00	PERIOD	ALL
00008760							
399200.43750	3273697.00000	0.02398	41.99	41.99	0.00	PERIOD	ALL
00008760							
399200.18750	3273745.00000	0.02383	40.93	40.93	0.00	PERIOD	ALL
00008760							
399199.90625	3273792.75000	0.02139	41.06	41.06	0.00	PERIOD	ALL
00008760							
399199.65625	3273840.75000	0.01925	42.44	42.44	0.00	PERIOD	ALL
00008760							

* MODELING OPTIONS USED:

* CONC DFAULT ELEV

* PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 1907 RECEPTORS.

* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP
 * NUM HRS NET ID

NUM HRS	NET ID	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP
397530.00000	3271820.00000	0.00171	26.82	26.82	0.00	PERIOD	ALL
00008784							
397530.00000	3271920.00000	0.00174	26.82	26.82	0.00	PERIOD	ALL
00008784							
397530.00000	3272020.00000	0.00178	26.72	26.72	0.00	PERIOD	ALL
00008784							
397530.00000	3272120.00000	0.00182	26.82	26.82	0.00	PERIOD	ALL
00008784							
397530.00000	3272220.00000	0.00187	26.52	26.52	0.00	PERIOD	ALL
00008784							
397530.00000	3272320.00000	0.00193	26.82	26.82	0.00	PERIOD	ALL
00008784							
397530.00000	3272420.00000	0.00199	26.82	26.82	0.00	PERIOD	ALL
00008784							
397530.00000	3272520.00000	0.00205	26.82	26.82	0.00	PERIOD	ALL
00008784							
397530.00000	3272620.00000	0.00210	26.82	26.82	0.00	PERIOD	ALL
00008784							
397530.00000	3272720.00000	0.00215	26.82	26.82	0.00	PERIOD	ALL
00008784							
397530.00000	3272820.00000	0.00218	26.82	26.82	0.00	PERIOD	ALL
00008784							
397530.00000	3272920.00000	0.00220	26.82	26.82	0.00	PERIOD	ALL
00008784							
397530.00000	3273020.00000	0.00221	27.03	27.03	0.00	PERIOD	ALL
00008784							
397530.00000	3273120.00000	0.00221	26.82	26.82	0.00	PERIOD	ALL
00008784							
397530.00000	3273220.00000	0.00222	28.35	28.35	0.00	PERIOD	ALL
00008784							
397530.00000	3273320.00000	0.00224	31.60	31.60	0.00	PERIOD	ALL
00008784							
397530.00000	3273420.00000	0.00221	30.18	30.18	0.00	PERIOD	ALL
00008784							
397530.00000	3273520.00000	0.00221	31.09	31.09	0.00	PERIOD	ALL
00008784							
397530.00000	3273620.00000	0.00222	32.61	32.61	0.00	PERIOD	ALL
00008784							
397530.00000	3273720.00000	0.00223	32.31	32.31	0.00	PERIOD	ALL
00008784							
397530.00000	3273820.00000	0.00227	34.54	34.54	0.00	PERIOD	ALL
00008784							
397530.00000	3273920.00000	0.00228	34.24	34.24	0.00	PERIOD	ALL
00008784							
397530.00000	3274020.00000	0.00227	33.83	33.83	0.00	PERIOD	ALL
00008784							
397530.00000	3274120.00000	0.00223	33.43	33.43	0.00	PERIOD	ALL
00008784							
397530.00000	3274220.00000	0.00217	33.83	33.83	0.00	PERIOD	ALL
00008784							
397530.00000	3274320.00000	0.00208	33.53	33.53	0.00	PERIOD	ALL

HAFLBMAC.P04

00008784								
397530.00000	3274420.00000	0.00200	34.34	34.34	0.00	PERIOD	ALL	
00008784								
397530.00000	3274520.00000	0.00191	34.75	34.75	0.00	PERIOD	ALL	
00008784								
397530.00000	3274620.00000	0.00183	34.75	34.75	0.00	PERIOD	ALL	
00008784								
397530.00000	3274720.00000	0.00178	35.15	35.15	0.00	PERIOD	ALL	
00008784								
397530.00000	3274820.00000	0.00175	35.36	35.36	0.00	PERIOD	ALL	
00008784								
397530.00000	3274920.00000	0.00170	34.44	34.44	0.00	PERIOD	ALL	
00008784								
397530.00000	3275020.00000	0.00162	32.72	32.72	0.00	PERIOD	ALL	
00008784								
397530.00000	3275120.00000	0.00156	30.07	30.07	0.00	PERIOD	ALL	
00008784								
397530.00000	3275220.00000	0.00151	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397530.00000	3275320.00000	0.00147	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397530.00000	3275420.00000	0.00141	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397530.00000	3275520.00000	0.00136	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397530.00000	3275620.00000	0.00130	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397530.00000	3275720.00000	0.00125	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397530.00000	3275820.00000	0.00120	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397630.00000	3271820.00000	0.00177	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397630.00000	3271920.00000	0.00181	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397630.00000	3272020.00000	0.00184	26.70	26.70	0.00	PERIOD	ALL	
00008784								
397630.00000	3272120.00000	0.00188	26.68	26.68	0.00	PERIOD	ALL	
00008784								
397630.00000	3272220.00000	0.00193	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397630.00000	3272320.00000	0.00199	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397630.00000	3272420.00000	0.00206	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397630.00000	3272520.00000	0.00213	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397630.00000	3272620.00000	0.00219	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397630.00000	3272720.00000	0.00225	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397630.00000	3272820.00000	0.00230	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397630.00000	3272920.00000	0.00233	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397630.00000	3273020.00000	0.00235	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397630.00000	3273120.00000	0.00236	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397630.00000	3273220.00000	0.00236	27.63	27.63	0.00	PERIOD	ALL	
00008784								
397630.00000	3273320.00000	0.00238	30.66	30.66	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04					
397630.00000	3273420.00000	0.00237	30.99	30.99	0.00	PERIOD	ALL
00008784							
397630.00000	3273520.00000	0.00237	31.88	31.88	0.00	PERIOD	ALL
00008784							
397630.00000	3273620.00000	0.00236	31.46	31.46	0.00	PERIOD	ALL
00008784							
397630.00000	3273720.00000	0.00237	30.89	30.89	0.00	PERIOD	ALL
00008784							
397630.00000	3273820.00000	0.00239	31.75	31.75	0.00	PERIOD	ALL
00008784							
397630.00000	3273920.00000	0.00241	32.64	32.64	0.00	PERIOD	ALL
00008784							
397630.00000	3274020.00000	0.00241	33.02	33.02	0.00	PERIOD	ALL
00008784							
397630.00000	3274120.00000	0.00237	33.50	33.50	0.00	PERIOD	ALL
00008784							
397630.00000	3274220.00000	0.00229	33.29	33.29	0.00	PERIOD	ALL
00008784							
397630.00000	3274320.00000	0.00221	34.14	34.14	0.00	PERIOD	ALL
00008784							
397630.00000	3274420.00000	0.00212	34.58	34.58	0.00	PERIOD	ALL
00008784							
397630.00000	3274520.00000	0.00202	35.00	35.00	0.00	PERIOD	ALL
00008784							
397630.00000	3274620.00000	0.00195	37.19	37.19	0.00	PERIOD	ALL
00008784							
397630.00000	3274720.00000	0.00193	38.90	38.90	0.00	PERIOD	ALL
00008784							
397630.00000	3274820.00000	0.00190	39.28	39.28	0.00	PERIOD	ALL
00008784							
397630.00000	3274920.00000	0.00181	37.59	37.59	0.00	PERIOD	ALL
00008784							
397630.00000	3275020.00000	0.00172	35.23	35.23	0.00	PERIOD	ALL
00008784							
397630.00000	3275120.00000	0.00166	32.99	32.99	0.00	PERIOD	ALL
00008784							
397630.00000	3275220.00000	0.00159	30.28	30.28	0.00	PERIOD	ALL
00008784							
397630.00000	3275320.00000	0.00153	30.37	30.37	0.00	PERIOD	ALL
00008784							
397630.00000	3275420.00000	0.00147	30.37	30.37	0.00	PERIOD	ALL
00008784							
397630.00000	3275520.00000	0.00140	29.87	29.87	0.00	PERIOD	ALL
00008784							
397630.00000	3275620.00000	0.00134	29.87	29.87	0.00	PERIOD	ALL
00008784							
397630.00000	3275720.00000	0.00128	29.87	29.87	0.00	PERIOD	ALL
00008784							
397630.00000	3275820.00000	0.00122	29.87	29.87	0.00	PERIOD	ALL
00008784							
397730.00000	3271820.00000	0.00184	26.82	26.82	0.00	PERIOD	ALL
00008784							
397730.00000	3271920.00000	0.00188	26.82	26.82	0.00	PERIOD	ALL
00008784							
397730.00000	3272020.00000	0.00191	26.71	26.71	0.00	PERIOD	ALL
00008784							
397730.00000	3272120.00000	0.00196	26.77	26.77	0.00	PERIOD	ALL
00008784							
397730.00000	3272220.00000	0.00201	26.82	26.82	0.00	PERIOD	ALL
00008784							
397730.00000	3272320.00000	0.00207	26.82	26.82	0.00	PERIOD	ALL
00008784							
397730.00000	3272420.00000	0.00213	26.82	26.82	0.00	PERIOD	ALL

HAFLBMAC.P04

00008784								
397730.00000	3272520.00000	0.00221	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397730.00000	3272620.00000	0.00229	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397730.00000	3272720.00000	0.00236	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397730.00000	3272820.00000	0.00243	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397730.00000	3272920.00000	0.00247	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397730.00000	3273020.00000	0.00251	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397730.00000	3273120.00000	0.00252	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397730.00000	3273220.00000	0.00253	27.07	27.07	0.00	PERIOD	ALL	
00008784								
397730.00000	3273320.00000	0.00255	29.57	29.57	0.00	PERIOD	ALL	
00008784								
397730.00000	3273420.00000	0.00255	30.58	30.58	0.00	PERIOD	ALL	
00008784								
397730.00000	3273520.00000	0.00254	31.09	31.09	0.00	PERIOD	ALL	
00008784								
397730.00000	3273620.00000	0.00252	30.19	30.19	0.00	PERIOD	ALL	
00008784								
397730.00000	3273720.00000	0.00252	29.67	29.67	0.00	PERIOD	ALL	
00008784								
397730.00000	3273820.00000	0.00257	33.06	33.06	0.00	PERIOD	ALL	
00008784								
397730.00000	3273920.00000	0.00261	35.11	35.11	0.00	PERIOD	ALL	
00008784								
397730.00000	3274020.00000	0.00260	35.36	35.36	0.00	PERIOD	ALL	
00008784								
397730.00000	3274120.00000	0.00254	35.33	35.33	0.00	PERIOD	ALL	
00008784								
397730.00000	3274220.00000	0.00246	35.41	35.41	0.00	PERIOD	ALL	
00008784								
397730.00000	3274320.00000	0.00238	36.68	36.68	0.00	PERIOD	ALL	
00008784								
397730.00000	3274420.00000	0.00228	37.73	37.73	0.00	PERIOD	ALL	
00008784								
397730.00000	3274520.00000	0.00216	37.60	37.60	0.00	PERIOD	ALL	
00008784								
397730.00000	3274620.00000	0.00211	39.73	39.73	0.00	PERIOD	ALL	
00008784								
397730.00000	3274720.00000	0.00209	41.19	41.19	0.00	PERIOD	ALL	
00008784								
397730.00000	3274820.00000	0.00203	40.79	40.79	0.00	PERIOD	ALL	
00008784								
397730.00000	3274920.00000	0.00190	37.39	37.39	0.00	PERIOD	ALL	
00008784								
397730.00000	3275020.00000	0.00181	34.19	34.19	0.00	PERIOD	ALL	
00008784								
397730.00000	3275120.00000	0.00174	32.31	32.31	0.00	PERIOD	ALL	
00008784								
397730.00000	3275220.00000	0.00166	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397730.00000	3275320.00000	0.00159	30.78	30.78	0.00	PERIOD	ALL	
00008784								
397730.00000	3275420.00000	0.00151	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397730.00000	3275520.00000	0.00144	29.87	29.87	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04						
397730.00000	3275620.00000	0.00138	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397730.00000	3275720.00000	0.00131	29.80	29.80	0.00	PERIOD	ALL	
00008784								
397730.00000	3275820.00000	0.00124	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397830.00000	3271820.00000	0.00191	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397830.00000	3271920.00000	0.00195	26.52	26.52	0.00	PERIOD	ALL	
00008784								
397830.00000	3272020.00000	0.00199	26.72	26.72	0.00	PERIOD	ALL	
00008784								
397830.00000	3272120.00000	0.00204	26.72	26.72	0.00	PERIOD	ALL	
00008784								
397830.00000	3272220.00000	0.00209	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397830.00000	3272320.00000	0.00215	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397830.00000	3272420.00000	0.00222	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397830.00000	3272520.00000	0.00230	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397830.00000	3272620.00000	0.00239	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397830.00000	3272720.00000	0.00248	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397830.00000	3272820.00000	0.00256	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397830.00000	3272920.00000	0.00263	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397830.00000	3273020.00000	0.00268	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397830.00000	3273120.00000	0.00271	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397830.00000	3273220.00000	0.00272	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397830.00000	3273320.00000	0.00274	29.16	29.16	0.00	PERIOD	ALL	
00008784								
397830.00000	3273420.00000	0.00274	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397830.00000	3273520.00000	0.00273	30.78	30.78	0.00	PERIOD	ALL	
00008784								
397830.00000	3273620.00000	0.00272	30.68	30.68	0.00	PERIOD	ALL	
00008784								
397830.00000	3273720.00000	0.00271	28.65	28.65	0.00	PERIOD	ALL	
00008784								
397830.00000	3273820.00000	0.00275	31.39	31.39	0.00	PERIOD	ALL	
00008784								
397830.00000	3273920.00000	0.00279	34.04	34.04	0.00	PERIOD	ALL	
00008784								
397830.00000	3274020.00000	0.00278	34.44	34.44	0.00	PERIOD	ALL	
00008784								
397830.00000	3274120.00000	0.00273	35.56	35.56	0.00	PERIOD	ALL	
00008784								
397830.00000	3274220.00000	0.00264	36.17	36.17	0.00	PERIOD	ALL	
00008784								
397830.00000	3274320.00000	0.00257	38.40	38.40	0.00	PERIOD	ALL	
00008784								
397830.00000	3274420.00000	0.00246	40.03	40.03	0.00	PERIOD	ALL	
00008784								
397830.00000	3274520.00000	0.00233	40.84	40.84	0.00	PERIOD	ALL	
00008784								
397830.00000	3274620.00000	0.00228	41.76	41.76	0.00	PERIOD	ALL	

HAFLBMAC.P04

00008784								
397830.00000	3274720.00000	0.00224	41.96	41.96	0.00	PERIOD	ALL	
00008784								
397830.00000	3274820.00000	0.00213	39.01	39.01	0.00	PERIOD	ALL	
00008784								
397830.00000	3274920.00000	0.00200	35.36	35.36	0.00	PERIOD	ALL	
00008784								
397830.00000	3275020.00000	0.00193	35.56	35.56	0.00	PERIOD	ALL	
00008784								
397830.00000	3275120.00000	0.00183	32.31	32.31	0.00	PERIOD	ALL	
00008784								
397830.00000	3275220.00000	0.00173	30.18	30.18	0.00	PERIOD	ALL	
00008784								
397830.00000	3275320.00000	0.00165	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397830.00000	3275420.00000	0.00156	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397830.00000	3275520.00000	0.00148	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397830.00000	3275620.00000	0.00141	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397830.00000	3275720.00000	0.00133	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397830.00000	3275820.00000	0.00126	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397930.00000	3271820.00000	0.00198	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397930.00000	3271920.00000	0.00203	26.72	26.72	0.00	PERIOD	ALL	
00008784								
397930.00000	3272020.00000	0.00208	26.64	26.64	0.00	PERIOD	ALL	
00008784								
397930.00000	3272120.00000	0.00213	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397930.00000	3272220.00000	0.00219	26.72	26.72	0.00	PERIOD	ALL	
00008784								
397930.00000	3272320.00000	0.00225	26.66	26.66	0.00	PERIOD	ALL	
00008784								
397930.00000	3272420.00000	0.00232	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397930.00000	3272520.00000	0.00240	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397930.00000	3272620.00000	0.00250	26.77	26.77	0.00	PERIOD	ALL	
00008784								
397930.00000	3272720.00000	0.00260	26.77	26.77	0.00	PERIOD	ALL	
00008784								
397930.00000	3272820.00000	0.00270	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397930.00000	3272920.00000	0.00279	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397930.00000	3273020.00000	0.00286	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397930.00000	3273120.00000	0.00291	26.82	26.82	0.00	PERIOD	ALL	
00008784								
397930.00000	3273220.00000	0.00294	26.96	26.96	0.00	PERIOD	ALL	
00008784								
397930.00000	3273320.00000	0.00295	27.14	27.14	0.00	PERIOD	ALL	
00008784								
397930.00000	3273420.00000	0.00298	30.58	30.58	0.00	PERIOD	ALL	
00008784								
397930.00000	3273520.00000	0.00296	30.24	30.24	0.00	PERIOD	ALL	
00008784								
397930.00000	3273620.00000	0.00294	29.87	29.87	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04					
397930.00000	3273720.00000	0.00292	27.43	27.43	0.00	PERIOD	ALL
00008784							
397930.00000	3273820.00000	0.00295	28.65	28.65	0.00	PERIOD	ALL
00008784							
397930.00000	3273920.00000	0.00297	30.29	30.29	0.00	PERIOD	ALL
00008784							
397930.00000	3274020.00000	0.00296	30.78	30.78	0.00	PERIOD	ALL
00008784							
397930.00000	3274120.00000	0.00291	33.97	33.97	0.00	PERIOD	ALL
00008784							
397930.00000	3274220.00000	0.00285	36.59	36.59	0.00	PERIOD	ALL
00008784							
397930.00000	3274320.00000	0.00277	38.71	38.71	0.00	PERIOD	ALL
00008784							
397930.00000	3274420.00000	0.00264	40.91	40.91	0.00	PERIOD	ALL
00008784							
397930.00000	3274520.00000	0.00250	42.96	42.96	0.00	PERIOD	ALL
00008784							
397930.00000	3274620.00000	0.00248	43.08	43.08	0.00	PERIOD	ALL
00008784							
397930.00000	3274720.00000	0.00240	42.12	42.12	0.00	PERIOD	ALL
00008784							
397930.00000	3274820.00000	0.00225	39.28	39.28	0.00	PERIOD	ALL
00008784							
397930.00000	3274920.00000	0.00212	33.83	33.83	0.00	PERIOD	ALL
00008784							
397930.00000	3275020.00000	0.00203	32.54	32.54	0.00	PERIOD	ALL
00008784							
397930.00000	3275120.00000	0.00192	31.57	31.57	0.00	PERIOD	ALL
00008784							
397930.00000	3275220.00000	0.00180	29.87	29.87	0.00	PERIOD	ALL
00008784							
397930.00000	3275320.00000	0.00171	29.87	29.87	0.00	PERIOD	ALL
00008784							
397930.00000	3275420.00000	0.00161	29.87	29.87	0.00	PERIOD	ALL
00008784							
397930.00000	3275520.00000	0.00152	29.87	29.87	0.00	PERIOD	ALL
00008784							
397930.00000	3275620.00000	0.00144	29.87	29.87	0.00	PERIOD	ALL
00008784							
397930.00000	3275720.00000	0.00136	29.87	29.87	0.00	PERIOD	ALL
00008784							
397930.00000	3275820.00000	0.00128	29.87	29.87	0.00	PERIOD	ALL
00008784							
398030.00000	3271820.00000	0.00205	26.82	26.82	0.00	PERIOD	ALL
00008784							
398030.00000	3271920.00000	0.00211	26.82	26.82	0.00	PERIOD	ALL
00008784							
398030.00000	3272020.00000	0.00217	26.82	26.82	0.00	PERIOD	ALL
00008784							
398030.00000	3272120.00000	0.00223	26.82	26.82	0.00	PERIOD	ALL
00008784							
398030.00000	3272220.00000	0.00229	26.82	26.82	0.00	PERIOD	ALL
00008784							
398030.00000	3272320.00000	0.00236	26.82	26.82	0.00	PERIOD	ALL
00008784							
398030.00000	3272420.00000	0.00243	26.75	26.75	0.00	PERIOD	ALL
00008784							
398030.00000	3272520.00000	0.00252	26.82	26.82	0.00	PERIOD	ALL
00008784							
398030.00000	3272620.00000	0.00262	26.82	26.82	0.00	PERIOD	ALL
00008784							
398030.00000	3272720.00000	0.00274	26.82	26.82	0.00	PERIOD	ALL

HAFLBMAC.P04

00008784								
398030.00000	3272820.00000	0.00286	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398030.00000	3272920.00000	0.00297	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398030.00000	3273020.00000	0.00307	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398030.00000	3273120.00000	0.00315	27.64	27.64	0.00	PERIOD	ALL	
00008784								
398030.00000	3273220.00000	0.00318	27.03	27.03	0.00	PERIOD	ALL	
00008784								
398030.00000	3273320.00000	0.00320	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398030.00000	3273420.00000	0.00321	27.23	27.23	0.00	PERIOD	ALL	
00008784								
398030.00000	3273520.00000	0.00320	27.88	27.88	0.00	PERIOD	ALL	
00008784								
398030.00000	3273620.00000	0.00317	27.03	27.03	0.00	PERIOD	ALL	
00008784								
398030.00000	3273720.00000	0.00317	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398030.00000	3273820.00000	0.00319	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398030.00000	3273920.00000	0.00320	27.27	27.27	0.00	PERIOD	ALL	
00008784								
398030.00000	3274020.00000	0.00318	27.94	27.94	0.00	PERIOD	ALL	
00008784								
398030.00000	3274120.00000	0.00313	31.89	31.89	0.00	PERIOD	ALL	
00008784								
398030.00000	3274220.00000	0.00307	35.08	35.08	0.00	PERIOD	ALL	
00008784								
398030.00000	3274320.00000	0.00298	37.69	37.69	0.00	PERIOD	ALL	
00008784								
398030.00000	3274420.00000	0.00284	39.64	39.64	0.00	PERIOD	ALL	
00008784								
398030.00000	3274520.00000	0.00278	41.02	41.02	0.00	PERIOD	ALL	
00008784								
398030.00000	3274620.00000	0.00272	41.86	41.86	0.00	PERIOD	ALL	
00008784								
398030.00000	3274720.00000	0.00256	40.66	40.66	0.00	PERIOD	ALL	
00008784								
398030.00000	3274820.00000	0.00240	37.92	37.92	0.00	PERIOD	ALL	
00008784								
398030.00000	3274920.00000	0.00226	33.73	33.73	0.00	PERIOD	ALL	
00008784								
398030.00000	3275020.00000	0.00212	30.66	30.66	0.00	PERIOD	ALL	
00008784								
398030.00000	3275120.00000	0.00199	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398030.00000	3275220.00000	0.00188	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398030.00000	3275320.00000	0.00177	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398030.00000	3275420.00000	0.00166	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398030.00000	3275520.00000	0.00156	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398030.00000	3275620.00000	0.00146	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398030.00000	3275720.00000	0.00138	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398030.00000	3275820.00000	0.00130	29.87	29.87	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04						
398130.00000	3271820.00000	0.00213	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3271920.00000	0.00220	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3272020.00000	0.00227	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3272120.00000	0.00234	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3272220.00000	0.00241	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3272320.00000	0.00249	26.62	26.62	0.00	PERIOD	ALL	
00008784								
398130.00000	3272420.00000	0.00257	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3272520.00000	0.00266	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3272620.00000	0.00276	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3272720.00000	0.00289	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3272820.00000	0.00302	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3272920.00000	0.00316	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3273020.00000	0.00329	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3273120.00000	0.00341	28.65	28.65	0.00	PERIOD	ALL	
00008784								
398130.00000	3273220.00000	0.00346	27.53	27.53	0.00	PERIOD	ALL	
00008784								
398130.00000	3273320.00000	0.00349	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3273420.00000	0.00351	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3273520.00000	0.00350	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3273620.00000	0.00348	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3273720.00000	0.00348	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3273820.00000	0.00350	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3273920.00000	0.00351	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3274020.00000	0.00347	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398130.00000	3274120.00000	0.00339	28.75	28.75	0.00	PERIOD	ALL	
00008784								
398130.00000	3274220.00000	0.00333	32.31	32.31	0.00	PERIOD	ALL	
00008784								
398130.00000	3274320.00000	0.00321	35.36	35.36	0.00	PERIOD	ALL	
00008784								
398130.00000	3274420.00000	0.00306	36.07	36.07	0.00	PERIOD	ALL	
00008784								
398130.00000	3274520.00000	0.00305	38.20	38.20	0.00	PERIOD	ALL	
00008784								
398130.00000	3274620.00000	0.00292	38.40	38.40	0.00	PERIOD	ALL	
00008784								
398130.00000	3274720.00000	0.00269	36.68	36.68	0.00	PERIOD	ALL	
00008784								
398130.00000	3274820.00000	0.00255	34.44	34.44	0.00	PERIOD	ALL	
00008784								
398130.00000	3274920.00000	0.00238	31.09	31.09	0.00	PERIOD	ALL	

HAFBMAC.P04

00008784								
398130.00000	3275020.00000	0.00222	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398130.00000	3275120.00000	0.00208	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398130.00000	3275220.00000	0.00195	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398130.00000	3275320.00000	0.00182	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398130.00000	3275420.00000	0.00170	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398130.00000	3275520.00000	0.00159	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398130.00000	3275620.00000	0.00149	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398130.00000	3275720.00000	0.00140	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398130.00000	3275820.00000	0.00132	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398230.00000	3271820.00000	0.00220	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398230.00000	3271920.00000	0.00229	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398230.00000	3272020.00000	0.00237	26.75	26.75	0.00	PERIOD	ALL	
00008784								
398230.00000	3272120.00000	0.00246	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398230.00000	3272220.00000	0.00254	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398230.00000	3272320.00000	0.00263	26.75	26.75	0.00	PERIOD	ALL	
00008784								
398230.00000	3272420.00000	0.00272	26.75	26.75	0.00	PERIOD	ALL	
00008784								
398230.00000	3272520.00000	0.00282	26.72	26.72	0.00	PERIOD	ALL	
00008784								
398230.00000	3272620.00000	0.00293	26.77	26.77	0.00	PERIOD	ALL	
00008784								
398230.00000	3272720.00000	0.00306	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398230.00000	3272820.00000	0.00320	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398230.00000	3272920.00000	0.00336	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398230.00000	3273020.00000	0.00352	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398230.00000	3273120.00000	0.00367	27.64	27.64	0.00	PERIOD	ALL	
00008784								
398230.00000	3273220.00000	0.00377	27.45	27.45	0.00	PERIOD	ALL	
00008784								
398230.00000	3273320.00000	0.00383	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398230.00000	3273420.00000	0.00387	27.33	27.33	0.00	PERIOD	ALL	
00008784								
398230.00000	3273520.00000	0.00386	26.88	26.88	0.00	PERIOD	ALL	
00008784								
398230.00000	3273620.00000	0.00385	26.88	26.88	0.00	PERIOD	ALL	
00008784								
398230.00000	3273720.00000	0.00385	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398230.00000	3273820.00000	0.00387	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398230.00000	3273920.00000	0.00388	26.82	26.82	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04						
398230.00000	3274020.00000	0.00383	27.53	27.53	0.00	PERIOD	ALL	
00008784								
398230.00000	3274120.00000	0.00374	28.89	28.89	0.00	PERIOD	ALL	
00008784								
398230.00000	3274220.00000	0.00364	29.51	29.51	0.00	PERIOD	ALL	
00008784								
398230.00000	3274320.00000	0.00348	33.02	33.02	0.00	PERIOD	ALL	
00008784								
398230.00000	3274420.00000	0.00339	34.07	34.07	0.00	PERIOD	ALL	
00008784								
398230.00000	3274520.00000	0.00333	36.13	36.13	0.00	PERIOD	ALL	
00008784								
398230.00000	3274620.00000	0.00307	34.95	34.95	0.00	PERIOD	ALL	
00008784								
398230.00000	3274720.00000	0.00287	32.22	32.22	0.00	PERIOD	ALL	
00008784								
398230.00000	3274820.00000	0.00271	31.77	31.77	0.00	PERIOD	ALL	
00008784								
398230.00000	3274920.00000	0.00250	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398230.00000	3275020.00000	0.00233	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398230.00000	3275120.00000	0.00217	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398230.00000	3275220.00000	0.00202	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398230.00000	3275320.00000	0.00187	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398230.00000	3275420.00000	0.00174	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398230.00000	3275520.00000	0.00162	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398230.00000	3275620.00000	0.00151	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398230.00000	3275720.00000	0.00142	29.76	29.76	0.00	PERIOD	ALL	
00008784								
398230.00000	3275820.00000	0.00134	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398330.00000	3271820.00000	0.00228	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3271920.00000	0.00237	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3272020.00000	0.00247	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3272120.00000	0.00257	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3272220.00000	0.00268	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3272320.00000	0.00278	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3272420.00000	0.00289	26.75	26.75	0.00	PERIOD	ALL	
00008784								
398330.00000	3272520.00000	0.00300	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3272620.00000	0.00312	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3272720.00000	0.00325	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3272820.00000	0.00341	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3272920.00000	0.00360	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3273020.00000	0.00379	26.82	26.82	0.00	PERIOD	ALL	

HAFLBMAC.P04

00008784								
398330.00000	3273120.00000	0.00397	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3273220.00000	0.00413	26.88	26.88	0.00	PERIOD	ALL	
00008784								
398330.00000	3273320.00000	0.00423	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3273420.00000	0.00433	29.16	29.16	0.00	PERIOD	ALL	
00008784								
398330.00000	3273520.00000	0.00435	29.86	29.86	0.00	PERIOD	ALL	
00008784								
398330.00000	3273620.00000	0.00431	27.82	27.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3273720.00000	0.00429	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3273820.00000	0.00432	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398330.00000	3273920.00000	0.00435	27.98	27.98	0.00	PERIOD	ALL	
00008784								
398330.00000	3274020.00000	0.00432	31.29	31.29	0.00	PERIOD	ALL	
00008784								
398330.00000	3274120.00000	0.00421	31.39	31.39	0.00	PERIOD	ALL	
00008784								
398330.00000	3274220.00000	0.00408	32.22	32.22	0.00	PERIOD	ALL	
00008784								
398330.00000	3274320.00000	0.00389	35.15	35.15	0.00	PERIOD	ALL	
00008784								
398330.00000	3274420.00000	0.00385	36.83	36.83	0.00	PERIOD	ALL	
00008784								
398330.00000	3274520.00000	0.00364	37.01	37.01	0.00	PERIOD	ALL	
00008784								
398330.00000	3274620.00000	0.00332	33.43	33.43	0.00	PERIOD	ALL	
00008784								
398330.00000	3274720.00000	0.00309	30.11	30.11	0.00	PERIOD	ALL	
00008784								
398330.00000	3274820.00000	0.00285	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398330.00000	3274920.00000	0.00263	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398330.00000	3275020.00000	0.00244	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398330.00000	3275120.00000	0.00226	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398330.00000	3275220.00000	0.00208	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398330.00000	3275320.00000	0.00192	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398330.00000	3275420.00000	0.00177	29.76	29.76	0.00	PERIOD	ALL	
00008784								
398330.00000	3275520.00000	0.00164	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398330.00000	3275620.00000	0.00153	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398330.00000	3275720.00000	0.00144	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398330.00000	3275820.00000	0.00136	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398430.00000	3271820.00000	0.00235	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398430.00000	3271920.00000	0.00246	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398430.00000	3272020.00000	0.00257	26.82	26.82	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04					
398430.00000	3272120.00000	0.00269	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3272220.00000	0.00282	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3272320.00000	0.00294	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3272420.00000	0.00307	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3272520.00000	0.00320	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3272620.00000	0.00334	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3272720.00000	0.00349	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3272820.00000	0.00366	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3272920.00000	0.00386	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3273020.00000	0.00409	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3273120.00000	0.00433	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3273220.00000	0.00456	27.84	27.84	0.00	PERIOD	ALL
00008784							
398430.00000	3273320.00000	0.00470	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3273420.00000	0.00482	28.04	28.04	0.00	PERIOD	ALL
00008784							
398430.00000	3273520.00000	0.00489	29.36	29.36	0.00	PERIOD	ALL
00008784							
398430.00000	3273620.00000	0.00484	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3273720.00000	0.00484	26.82	26.82	0.00	PERIOD	ALL
00008784							
398430.00000	3273820.00000	0.00491	28.55	28.55	0.00	PERIOD	ALL
00008784							
398430.00000	3273920.00000	0.00501	33.63	33.63	0.00	PERIOD	ALL
00008784							
398430.00000	3274020.00000	0.00494	35.66	35.66	0.00	PERIOD	ALL
00008784							
398430.00000	3274120.00000	0.00482	35.05	35.05	0.00	PERIOD	ALL
00008784							
398430.00000	3274220.00000	0.00462	35.76	35.76	0.00	PERIOD	ALL
00008784							
398430.00000	3274320.00000	0.00448	37.80	37.80	0.00	PERIOD	ALL
00008784							
398430.00000	3274420.00000	0.00434	38.00	38.00	0.00	PERIOD	ALL
00008784							
398430.00000	3274520.00000	0.00394	36.37	36.37	0.00	PERIOD	ALL
00008784							
398430.00000	3274620.00000	0.00367	35.05	35.05	0.00	PERIOD	ALL
00008784							
398430.00000	3274720.00000	0.00333	31.19	31.19	0.00	PERIOD	ALL
00008784							
398430.00000	3274820.00000	0.00302	29.87	29.87	0.00	PERIOD	ALL
00008784							
398430.00000	3274920.00000	0.00277	29.87	29.87	0.00	PERIOD	ALL
00008784							
398430.00000	3275020.00000	0.00255	29.87	29.87	0.00	PERIOD	ALL
00008784							
398430.00000	3275120.00000	0.00233	29.87	29.87	0.00	PERIOD	ALL
00008784							
398430.00000	3275220.00000	0.00213	29.57	29.57	0.00	PERIOD	ALL

HAFLBMAC.P04

00008784								
398430.00000	3275320.00000	0.00195	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398430.00000	3275420.00000	0.00180	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398430.00000	3275520.00000	0.00167	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398430.00000	3275620.00000	0.00156	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398430.00000	3275720.00000	0.00146	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398430.00000	3275820.00000	0.00138	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398530.00000	3271820.00000	0.00242	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3271920.00000	0.00255	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3272020.00000	0.00268	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3272120.00000	0.00281	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3272220.00000	0.00296	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3272320.00000	0.00311	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3272420.00000	0.00327	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3272520.00000	0.00343	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3272620.00000	0.00359	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3272720.00000	0.00376	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3272820.00000	0.00396	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3272920.00000	0.00418	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3273020.00000	0.00445	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3273120.00000	0.00475	27.23	27.23	0.00	PERIOD	ALL	
00008784								
398530.00000	3273220.00000	0.00503	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3273320.00000	0.00531	28.54	28.54	0.00	PERIOD	ALL	
00008784								
398530.00000	3273420.00000	0.00549	29.57	29.57	0.00	PERIOD	ALL	
00008784								
398530.00000	3273520.00000	0.00557	29.18	29.18	0.00	PERIOD	ALL	
00008784								
398530.00000	3273620.00000	0.00553	26.88	26.88	0.00	PERIOD	ALL	
00008784								
398530.00000	3273720.00000	0.00553	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398530.00000	3273820.00000	0.00567	31.71	31.71	0.00	PERIOD	ALL	
00008784								
398530.00000	3273920.00000	0.00576	35.66	35.66	0.00	PERIOD	ALL	
00008784								
398530.00000	3274020.00000	0.00572	39.22	39.22	0.00	PERIOD	ALL	
00008784								
398530.00000	3274120.00000	0.00565	39.94	39.94	0.00	PERIOD	ALL	
00008784								
398530.00000	3274220.00000	0.00535	40.48	40.48	0.00	PERIOD	ALL	
00008784								

HAFBMAC.P04

398530.00000	3274320.00000	0.00512	37.39	37.39	0.00	PERIOD	ALL
00008784							
398530.00000	3274420.00000	0.00469	34.23	34.23	0.00	PERIOD	ALL
00008784							
398530.00000	3274520.00000	0.00432	34.03	34.03	0.00	PERIOD	ALL
00008784							
398530.00000	3274620.00000	0.00392	31.29	31.29	0.00	PERIOD	ALL
00008784							
398530.00000	3274720.00000	0.00353	29.87	29.87	0.00	PERIOD	ALL
00008784							
398530.00000	3274820.00000	0.00320	29.87	29.87	0.00	PERIOD	ALL
00008784							
398530.00000	3274920.00000	0.00292	29.87	29.87	0.00	PERIOD	ALL
00008784							
398530.00000	3275020.00000	0.00265	29.87	29.87	0.00	PERIOD	ALL
00008784							
398530.00000	3275120.00000	0.00239	29.82	29.82	0.00	PERIOD	ALL
00008784							
398530.00000	3275220.00000	0.00217	29.87	29.87	0.00	PERIOD	ALL
00008784							
398530.00000	3275320.00000	0.00198	29.87	29.87	0.00	PERIOD	ALL
00008784							
398530.00000	3275420.00000	0.00183	29.87	29.87	0.00	PERIOD	ALL
00008784							
398530.00000	3275520.00000	0.00170	29.87	29.87	0.00	PERIOD	ALL
00008784							
398530.00000	3275620.00000	0.00159	29.87	29.87	0.00	PERIOD	ALL
00008784							
398530.00000	3275720.00000	0.00149	29.76	29.76	0.00	PERIOD	ALL
00008784							
398530.00000	3275820.00000	0.00140	29.87	29.87	0.00	PERIOD	ALL
00008784							
398630.00000	3271820.00000	0.00249	26.82	26.82	0.00	PERIOD	ALL
00008784							
398630.00000	3271920.00000	0.00263	26.82	26.82	0.00	PERIOD	ALL
00008784							
398630.00000	3272020.00000	0.00277	26.82	26.82	0.00	PERIOD	ALL
00008784							
398630.00000	3272120.00000	0.00293	26.82	26.82	0.00	PERIOD	ALL
00008784							
398630.00000	3272220.00000	0.00310	27.03	27.03	0.00	PERIOD	ALL
00008784							
398630.00000	3272320.00000	0.00328	26.82	26.82	0.00	PERIOD	ALL
00008784							
398630.00000	3272420.00000	0.00347	26.82	26.82	0.00	PERIOD	ALL
00008784							
398630.00000	3272520.00000	0.00366	26.82	26.82	0.00	PERIOD	ALL
00008784							
398630.00000	3272620.00000	0.00387	26.82	26.82	0.00	PERIOD	ALL
00008784							
398630.00000	3272720.00000	0.00408	26.82	26.82	0.00	PERIOD	ALL
00008784							
398630.00000	3272820.00000	0.00431	26.82	26.82	0.00	PERIOD	ALL
00008784							
398630.00000	3272920.00000	0.00457	26.82	26.82	0.00	PERIOD	ALL
00008784							
398630.00000	3273020.00000	0.00492	28.76	28.76	0.00	PERIOD	ALL
00008784							
398630.00000	3273120.00000	0.00530	29.57	29.57	0.00	PERIOD	ALL
00008784							
398630.00000	3273220.00000	0.00562	26.82	26.82	0.00	PERIOD	ALL
00008784							
398630.00000	3273320.00000	0.00599	27.09	27.09	0.00	PERIOD	ALL

HAFLBMAC.P04

00008784								
398630.00000	3273420.00000	0.00623	26.92	26.92	0.00	PERIOD	ALL	
00008784								
398630.00000	3273520.00000	0.00642	28.82	28.82	0.00	PERIOD	ALL	
00008784								
398630.00000	3273620.00000	0.00648	29.95	29.95	0.00	PERIOD	ALL	
00008784								
398630.00000	3273720.00000	0.00641	27.43	27.43	0.00	PERIOD	ALL	
00008784								
398630.00000	3273820.00000	0.00657	31.79	31.79	0.00	PERIOD	ALL	
00008784								
398630.00000	3273920.00000	0.00663	35.05	35.05	0.00	PERIOD	ALL	
00008784								
398630.00000	3274020.00000	0.00662	39.42	39.42	0.00	PERIOD	ALL	
00008784								
398630.00000	3274120.00000	0.00646	41.58	41.58	0.00	PERIOD	ALL	
00008784								
398630.00000	3274220.00000	0.00616	41.65	41.65	0.00	PERIOD	ALL	
00008784								
398630.00000	3274320.00000	0.00581	36.88	36.88	0.00	PERIOD	ALL	
00008784								
398630.00000	3274420.00000	0.00513	30.80	30.80	0.00	PERIOD	ALL	
00008784								
398630.00000	3274520.00000	0.00468	29.93	29.93	0.00	PERIOD	ALL	
00008784								
398630.00000	3274620.00000	0.00420	30.18	30.18	0.00	PERIOD	ALL	
00008784								
398630.00000	3274720.00000	0.00377	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398630.00000	3274820.00000	0.00340	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398630.00000	3274920.00000	0.00305	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398630.00000	3275020.00000	0.00272	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398630.00000	3275120.00000	0.00244	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398630.00000	3275220.00000	0.00222	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398630.00000	3275320.00000	0.00203	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398630.00000	3275420.00000	0.00187	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398630.00000	3275520.00000	0.00174	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398630.00000	3275620.00000	0.00163	29.76	29.76	0.00	PERIOD	ALL	
00008784								
398630.00000	3275720.00000	0.00152	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398630.00000	3275820.00000	0.00142	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398730.00000	3271820.00000	0.00260	31.60	31.60	0.00	PERIOD	ALL	
00008784								
398730.00000	3271920.00000	0.00273	29.57	29.57	0.00	PERIOD	ALL	
00008784								
398730.00000	3272020.00000	0.00288	27.84	27.84	0.00	PERIOD	ALL	
00008784								
398730.00000	3272120.00000	0.00307	29.36	29.36	0.00	PERIOD	ALL	
00008784								
398730.00000	3272220.00000	0.00327	29.57	29.57	0.00	PERIOD	ALL	
00008784								
398730.00000	3272320.00000	0.00346	27.74	27.74	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04					
398730.00000	3272420.00000	0.00367	26.82	26.82	0.00	PERIOD	ALL
00008784							
398730.00000	3272520.00000	0.00390	26.82	26.82	0.00	PERIOD	ALL
00008784							
398730.00000	3272620.00000	0.00416	26.82	26.82	0.00	PERIOD	ALL
00008784							
398730.00000	3272720.00000	0.00443	26.82	26.82	0.00	PERIOD	ALL
00008784							
398730.00000	3272820.00000	0.00473	26.82	26.82	0.00	PERIOD	ALL
00008784							
398730.00000	3272920.00000	0.00510	29.06	29.06	0.00	PERIOD	ALL
00008784							
398730.00000	3273020.00000	0.00553	31.90	31.90	0.00	PERIOD	ALL
00008784							
398730.00000	3273120.00000	0.00591	29.26	29.26	0.00	PERIOD	ALL
00008784							
398730.00000	3273220.00000	0.00638	26.82	26.82	0.00	PERIOD	ALL
00008784							
398730.00000	3273320.00000	0.00686	27.53	27.53	0.00	PERIOD	ALL
00008784							
398730.00000	3273420.00000	0.00726	26.82	26.82	0.00	PERIOD	ALL
00008784							
398730.00000	3273520.00000	0.00747	27.13	27.13	0.00	PERIOD	ALL
00008784							
398730.00000	3273620.00000	0.00761	28.55	28.55	0.00	PERIOD	ALL
00008784							
398730.00000	3273720.00000	0.00769	31.70	31.70	0.00	PERIOD	ALL
00008784							
398730.00000	3273820.00000	0.00776	33.22	33.22	0.00	PERIOD	ALL
00008784							
398730.00000	3273920.00000	0.00777	35.66	35.66	0.00	PERIOD	ALL
00008784							
398730.00000	3274020.00000	0.00773	38.40	38.40	0.00	PERIOD	ALL
00008784							
398730.00000	3274120.00000	0.00753	39.73	39.73	0.00	PERIOD	ALL
00008784							
398730.00000	3274220.00000	0.00729	40.13	40.13	0.00	PERIOD	ALL
00008784							
398730.00000	3274320.00000	0.00649	35.97	35.97	0.00	PERIOD	ALL
00008784							
398730.00000	3274420.00000	0.00572	29.87	29.87	0.00	PERIOD	ALL
00008784							
398730.00000	3274520.00000	0.00509	29.87	29.87	0.00	PERIOD	ALL
00008784							
398730.00000	3274620.00000	0.00452	29.87	29.87	0.00	PERIOD	ALL
00008784							
398730.00000	3274720.00000	0.00404	30.58	30.58	0.00	PERIOD	ALL
00008784							
398730.00000	3274820.00000	0.00356	29.87	29.87	0.00	PERIOD	ALL
00008784							
398730.00000	3274920.00000	0.00313	29.87	29.87	0.00	PERIOD	ALL
00008784							
398730.00000	3275020.00000	0.00278	29.87	29.87	0.00	PERIOD	ALL
00008784							
398730.00000	3275120.00000	0.00250	29.87	29.87	0.00	PERIOD	ALL
00008784							
398730.00000	3275220.00000	0.00227	29.87	29.87	0.00	PERIOD	ALL
00008784							
398730.00000	3275320.00000	0.00209	29.87	29.87	0.00	PERIOD	ALL
00008784							
398730.00000	3275420.00000	0.00193	29.87	29.87	0.00	PERIOD	ALL
00008784							
398730.00000	3275520.00000	0.00178	29.87	29.87	0.00	PERIOD	ALL

HAFLBMAC.P04

00008784								
398730.00000	3275620.00000	0.00165	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398730.00000	3275720.00000	0.00154	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398730.00000	3275820.00000	0.00144	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398830.00000	3271820.00000	0.00271	36.43	36.43	0.00	PERIOD	ALL	
00008784								
398830.00000	3271920.00000	0.00283	32.31	32.31	0.00	PERIOD	ALL	
00008784								
398830.00000	3272020.00000	0.00300	31.16	31.16	0.00	PERIOD	ALL	
00008784								
398830.00000	3272120.00000	0.00318	29.89	29.89	0.00	PERIOD	ALL	
00008784								
398830.00000	3272220.00000	0.00341	30.78	30.78	0.00	PERIOD	ALL	
00008784								
398830.00000	3272320.00000	0.00365	30.22	30.22	0.00	PERIOD	ALL	
00008784								
398830.00000	3272420.00000	0.00391	30.15	30.15	0.00	PERIOD	ALL	
00008784								
398830.00000	3272520.00000	0.00416	27.94	27.94	0.00	PERIOD	ALL	
00008784								
398830.00000	3272620.00000	0.00445	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398830.00000	3272720.00000	0.00480	26.82	26.82	0.00	PERIOD	ALL	
00008784								
398830.00000	3272820.00000	0.00520	27.64	27.64	0.00	PERIOD	ALL	
00008784								
398830.00000	3272920.00000	0.00575	31.89	31.89	0.00	PERIOD	ALL	
00008784								
398830.00000	3273020.00000	0.00621	31.45	31.45	0.00	PERIOD	ALL	
00008784								
398830.00000	3273120.00000	0.00670	29.26	29.26	0.00	PERIOD	ALL	
00008784								
398830.00000	3273220.00000	0.00729	27.43	27.43	0.00	PERIOD	ALL	
00008784								
398830.00000	3273320.00000	0.00808	29.76	29.76	0.00	PERIOD	ALL	
00008784								
398830.00000	3273420.00000	0.00879	31.29	31.29	0.00	PERIOD	ALL	
00008784								
398830.00000	3273520.00000	0.00915	31.91	31.91	0.00	PERIOD	ALL	
00008784								
398830.00000	3273620.00000	0.00926	30.01	30.01	0.00	PERIOD	ALL	
00008784								
398830.00000	3273720.00000	0.00906	28.45	28.45	0.00	PERIOD	ALL	
00008784								
398830.00000	3273820.00000	0.00914	31.53	31.53	0.00	PERIOD	ALL	
00008784								
398830.00000	3273920.00000	0.00914	34.36	34.36	0.00	PERIOD	ALL	
00008784								
398830.00000	3274020.00000	0.00909	36.37	36.37	0.00	PERIOD	ALL	
00008784								
398830.00000	3274120.00000	0.00883	38.60	38.60	0.00	PERIOD	ALL	
00008784								
398830.00000	3274220.00000	0.00829	37.96	37.96	0.00	PERIOD	ALL	
00008784								
398830.00000	3274320.00000	0.00725	33.93	33.93	0.00	PERIOD	ALL	
00008784								
398830.00000	3274420.00000	0.00629	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398830.00000	3274520.00000	0.00553	29.87	29.87	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04						
398830.00000	3274620.00000	0.00488	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398830.00000	3274720.00000	0.00424	29.94	29.94	0.00	PERIOD	ALL	
00008784								
398830.00000	3274820.00000	0.00368	30.05	30.05	0.00	PERIOD	ALL	
00008784								
398830.00000	3274920.00000	0.00323	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398830.00000	3275020.00000	0.00287	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398830.00000	3275120.00000	0.00259	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398830.00000	3275220.00000	0.00236	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398830.00000	3275320.00000	0.00215	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398830.00000	3275420.00000	0.00196	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398830.00000	3275520.00000	0.00180	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398830.00000	3275620.00000	0.00167	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398830.00000	3275720.00000	0.00155	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398830.00000	3275820.00000	0.00145	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398930.00000	3271820.00000	0.00277	36.67	36.67	0.00	PERIOD	ALL	
00008784								
398930.00000	3271920.00000	0.00289	31.50	31.50	0.00	PERIOD	ALL	
00008784								
398930.00000	3272020.00000	0.00306	29.25	29.25	0.00	PERIOD	ALL	
00008784								
398930.00000	3272120.00000	0.00323	25.77	25.77	0.00	PERIOD	ALL	
00008784								
398930.00000	3272220.00000	0.00351	28.96	28.96	0.00	PERIOD	ALL	
00008784								
398930.00000	3272320.00000	0.00380	30.91	30.91	0.00	PERIOD	ALL	
00008784								
398930.00000	3272420.00000	0.00414	33.21	33.21	0.00	PERIOD	ALL	
00008784								
398930.00000	3272520.00000	0.00450	34.44	34.44	0.00	PERIOD	ALL	
00008784								
398930.00000	3272620.00000	0.00481	30.55	32.00	0.00	PERIOD	ALL	
00008784								
398930.00000	3272720.00000	0.00517	27.00	27.00	0.00	PERIOD	ALL	
00008784								
398930.00000	3272820.00000	0.00573	30.48	30.48	0.00	PERIOD	ALL	
00008784								
398930.00000	3272920.00000	0.00643	34.10	34.10	0.00	PERIOD	ALL	
00008784								
398930.00000	3273020.00000	0.00704	30.58	30.58	0.00	PERIOD	ALL	
00008784								
398930.00000	3273120.00000	0.00768	28.35	28.35	0.00	PERIOD	ALL	
00008784								
398930.00000	3273220.00000	0.00853	28.85	28.85	0.00	PERIOD	ALL	
00008784								
398930.00000	3273320.00000	0.00979	32.47	32.47	0.00	PERIOD	ALL	
00008784								
398930.00000	3273420.00000	0.01091	35.66	35.66	0.00	PERIOD	ALL	
00008784								
398930.00000	3273520.00000	0.01161	36.01	36.01	0.00	PERIOD	ALL	
00008784								
398930.00000	3273620.00000	0.01173	33.89	33.89	0.00	PERIOD	ALL	

HAFLBMAC.P04

00008784								
398930.00000	3273720.00000	0.01138	31.80	31.80	0.00	PERIOD	ALL	
00008784								
398930.00000	3273820.00000	0.01095	30.52	30.52	0.00	PERIOD	ALL	
00008784								
398930.00000	3273920.00000	0.01089	32.90	32.90	0.00	PERIOD	ALL	
00008784								
398930.00000	3274020.00000	0.01103	37.59	37.59	0.00	PERIOD	ALL	
00008784								
398930.00000	3274120.00000	0.01051	37.82	37.82	0.00	PERIOD	ALL	
00008784								
398930.00000	3274220.00000	0.00917	33.35	33.35	0.00	PERIOD	ALL	
00008784								
398930.00000	3274320.00000	0.00793	29.97	29.97	0.00	PERIOD	ALL	
00008784								
398930.00000	3274420.00000	0.00690	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398930.00000	3274520.00000	0.00601	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398930.00000	3274620.00000	0.00514	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398930.00000	3274720.00000	0.00440	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398930.00000	3274820.00000	0.00382	30.42	30.42	0.00	PERIOD	ALL	
00008784								
398930.00000	3274920.00000	0.00336	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398930.00000	3275020.00000	0.00300	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398930.00000	3275120.00000	0.00268	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398930.00000	3275220.00000	0.00240	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398930.00000	3275320.00000	0.00217	29.94	29.94	0.00	PERIOD	ALL	
00008784								
398930.00000	3275420.00000	0.00197	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398930.00000	3275520.00000	0.00182	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398930.00000	3275620.00000	0.00169	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398930.00000	3275720.00000	0.00158	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398930.00000	3275820.00000	0.00148	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399030.00000	3271820.00000	0.00279	34.34	34.34	0.00	PERIOD	ALL	
00008784								
399030.00000	3271920.00000	0.00294	31.39	31.39	0.00	PERIOD	ALL	
00008784								
399030.00000	3272020.00000	0.00312	29.46	29.46	0.00	PERIOD	ALL	
00008784								
399030.00000	3272120.00000	0.00330	25.70	25.70	0.00	PERIOD	ALL	
00008784								
399030.00000	3272220.00000	0.00359	28.04	28.04	0.00	PERIOD	ALL	
00008784								
399030.00000	3272320.00000	0.00394	32.00	32.00	0.00	PERIOD	ALL	
00008784								
399030.00000	3272420.00000	0.00432	34.54	34.54	0.00	PERIOD	ALL	
00008784								
399030.00000	3272520.00000	0.00473	35.66	35.66	0.00	PERIOD	ALL	
00008784								
399030.00000	3272620.00000	0.00510	31.80	31.80	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04					
399030.00000	3272720.00000	0.00557	29.46	29.46	0.00	PERIOD	ALL
00008784							
399030.00000	3272820.00000	0.00611	27.13	27.13	0.00	PERIOD	ALL
00008784							
399030.00000	3272920.00000	0.00694	31.50	31.50	0.00	PERIOD	ALL
00008784							
399030.00000	3273020.00000	0.00772	28.14	30.18	0.00	PERIOD	ALL
00008784							
399030.00000	3273120.00000	0.00883	27.74	27.74	0.00	PERIOD	ALL
00008784							
399030.00000	3273220.00000	0.01028	30.38	30.38	0.00	PERIOD	ALL
00008784							
399030.00000	3273320.00000	0.01160	33.22	33.22	0.00	PERIOD	ALL
00008784							
399030.00000	3273420.00000	0.01391	38.40	38.40	0.00	PERIOD	ALL
00008784							
399030.00000	3273520.00000	0.01479	38.20	38.20	0.00	PERIOD	ALL
00008784							
399030.00000	3273620.00000	0.01519	36.58	36.58	0.00	PERIOD	ALL
00008784							
399030.00000	3273720.00000	0.01474	35.66	35.66	0.00	PERIOD	ALL
00008784							
399030.00000	3273820.00000	0.01376	34.34	34.34	0.00	PERIOD	ALL
00008784							
399030.00000	3273920.00000	0.01322	32.82	32.82	0.00	PERIOD	ALL
00008784							
399030.00000	3274020.00000	0.01309	35.05	35.05	0.00	PERIOD	ALL
00008784							
399030.00000	3274120.00000	0.01206	34.85	34.85	0.00	PERIOD	ALL
00008784							
399030.00000	3274220.00000	0.01019	30.28	30.28	0.00	PERIOD	ALL
00008784							
399030.00000	3274320.00000	0.00876	29.87	29.87	0.00	PERIOD	ALL
00008784							
399030.00000	3274420.00000	0.00754	29.87	29.87	0.00	PERIOD	ALL
00008784							
399030.00000	3274520.00000	0.00635	29.87	29.87	0.00	PERIOD	ALL
00008784							
399030.00000	3274620.00000	0.00536	29.87	29.87	0.00	PERIOD	ALL
00008784							
399030.00000	3274720.00000	0.00460	29.87	29.87	0.00	PERIOD	ALL
00008784							
399030.00000	3274820.00000	0.00402	29.87	29.87	0.00	PERIOD	ALL
00008784							
399030.00000	3274920.00000	0.00350	30.48	30.48	0.00	PERIOD	ALL
00008784							
399030.00000	3275020.00000	0.00306	29.87	29.87	0.00	PERIOD	ALL
00008784							
399030.00000	3275120.00000	0.00270	29.87	29.87	0.00	PERIOD	ALL
00008784							
399030.00000	3275220.00000	0.00242	31.09	31.09	0.00	PERIOD	ALL
00008784							
399030.00000	3275320.00000	0.00220	31.50	31.50	0.00	PERIOD	ALL
00008784							
399030.00000	3275420.00000	0.00202	31.50	31.50	0.00	PERIOD	ALL
00008784							
399030.00000	3275520.00000	0.00186	31.39	31.39	0.00	PERIOD	ALL
00008784							
399030.00000	3275620.00000	0.00172	30.38	30.38	0.00	PERIOD	ALL
00008784							
399030.00000	3275720.00000	0.00161	30.68	30.68	0.00	PERIOD	ALL
00008784							
399030.00000	3275820.00000	0.00150	30.48	30.48	0.00	PERIOD	ALL

HAFLBMAC.P04

00008784								
399130.00000	3271820.00000	0.00282	34.94	34.94	0.00	PERIOD	ALL	
00008784								
399130.00000	3271920.00000	0.00298	32.51	32.51	0.00	PERIOD	ALL	
00008784								
399130.00000	3272020.00000	0.00316	29.68	29.68	0.00	PERIOD	ALL	
00008784								
399130.00000	3272120.00000	0.00338	28.18	28.18	0.00	PERIOD	ALL	
00008784								
399130.00000	3272220.00000	0.00368	30.38	30.38	0.00	PERIOD	ALL	
00008784								
399130.00000	3272320.00000	0.00401	31.91	31.91	0.00	PERIOD	ALL	
00008784								
399130.00000	3272420.00000	0.00438	32.14	32.14	0.00	PERIOD	ALL	
00008784								
399130.00000	3272520.00000	0.00487	35.26	35.26	0.00	PERIOD	ALL	
00008784								
399130.00000	3272620.00000	0.00532	32.89	32.89	0.00	PERIOD	ALL	
00008784								
399130.00000	3272720.00000	0.00582	29.14	29.14	0.00	PERIOD	ALL	
00008784								
399130.00000	3272820.00000	0.00647	26.82	26.82	0.00	PERIOD	ALL	
00008784								
399130.00000	3272920.00000	0.00736	27.00	27.00	0.00	PERIOD	ALL	
00008784								
399130.00000	3273020.00000	0.00844	26.82	26.82	0.00	PERIOD	ALL	
00008784								
399130.00000	3273120.00000	0.00965	26.82	26.82	0.00	PERIOD	ALL	
00008784								
399130.00000	3273220.00000	0.01213	29.71	29.71	0.00	PERIOD	ALL	
00008784								
399130.00000	3273320.00000	0.01487	34.86	34.86	0.00	PERIOD	ALL	
00008784								
399130.00000	3273420.00000	0.01721	40.64	40.64	0.00	PERIOD	ALL	
00008784								
399130.00000	3273520.00000	0.02050	40.91	40.91	0.00	PERIOD	ALL	
00008784								
399130.00000	3273620.00000	0.02090	40.73	40.73	0.00	PERIOD	ALL	
00008784								
399130.00000	3273720.00000	0.02057	39.62	39.62	0.00	PERIOD	ALL	
00008784								
399130.00000	3273820.00000	0.01799	38.97	38.97	0.00	PERIOD	ALL	
00008784								
399130.00000	3273920.00000	0.01720	38.14	38.14	0.00	PERIOD	ALL	
00008784								
399130.00000	3274020.00000	0.01556	32.72	32.72	0.00	PERIOD	ALL	
00008784								
399130.00000	3274120.00000	0.01331	30.31	30.31	0.00	PERIOD	ALL	
00008784								
399130.00000	3274220.00000	0.01132	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399130.00000	3274320.00000	0.00962	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399130.00000	3274420.00000	0.00797	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399130.00000	3274520.00000	0.00665	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399130.00000	3274620.00000	0.00567	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399130.00000	3274720.00000	0.00483	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399130.00000	3274820.00000	0.00412	29.87	29.87	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04						
399130.00000	3274920.00000	0.00354	30.99	30.99	0.00	PERIOD	ALL	
00008784								
399130.00000	3275020.00000	0.00310	31.82	31.82	0.00	PERIOD	ALL	
00008784								
399130.00000	3275120.00000	0.00277	32.70	32.70	0.00	PERIOD	ALL	
00008784								
399130.00000	3275220.00000	0.00251	34.85	34.85	0.00	PERIOD	ALL	
00008784								
399130.00000	3275320.00000	0.00228	36.05	36.05	0.00	PERIOD	ALL	
00008784								
399130.00000	3275420.00000	0.00208	34.87	34.87	0.00	PERIOD	ALL	
00008784								
399130.00000	3275520.00000	0.00191	33.73	33.73	0.00	PERIOD	ALL	
00008784								
399130.00000	3275620.00000	0.00176	32.61	32.61	0.00	PERIOD	ALL	
00008784								
399130.00000	3275720.00000	0.00164	32.36	32.36	0.00	PERIOD	ALL	
00008784								
399130.00000	3275820.00000	0.00153	32.41	32.41	0.00	PERIOD	ALL	
00008784								
399230.00000	3271820.00000	0.00281	34.33	34.33	0.00	PERIOD	ALL	
00008784								
399230.00000	3271920.00000	0.00299	33.53	33.53	0.00	PERIOD	ALL	
00008784								
399230.00000	3272020.00000	0.00316	29.86	29.86	0.00	PERIOD	ALL	
00008784								
399230.00000	3272120.00000	0.00339	28.96	28.96	0.00	PERIOD	ALL	
00008784								
399230.00000	3272220.00000	0.00372	32.21	32.21	0.00	PERIOD	ALL	
00008784								
399230.00000	3272320.00000	0.00407	33.72	33.72	0.00	PERIOD	ALL	
00008784								
399230.00000	3272420.00000	0.00443	32.90	32.90	0.00	PERIOD	ALL	
00008784								
399230.00000	3272520.00000	0.00490	33.93	33.93	0.00	PERIOD	ALL	
00008784								
399230.00000	3272620.00000	0.00538	31.64	31.64	0.00	PERIOD	ALL	
00008784								
399230.00000	3272720.00000	0.00596	28.92	28.92	0.00	PERIOD	ALL	
00008784								
399230.00000	3272820.00000	0.00671	26.82	26.82	0.00	PERIOD	ALL	
00008784								
399230.00000	3272920.00000	0.00770	26.82	26.82	0.00	PERIOD	ALL	
00008784								
399230.00000	3273020.00000	0.00897	26.82	26.82	0.00	PERIOD	ALL	
00008784								
399230.00000	3273120.00000	0.01098	28.45	28.45	0.00	PERIOD	ALL	
00008784								
399230.00000	3273220.00000	0.01360	32.95	32.95	0.00	PERIOD	ALL	
00008784								
399230.00000	3274020.00000	0.01881	35.76	35.76	0.00	PERIOD	ALL	
00008784								
399230.00000	3274120.00000	0.01539	32.72	32.72	0.00	PERIOD	ALL	
00008784								
399230.00000	3274220.00000	0.01247	30.01	30.01	0.00	PERIOD	ALL	
00008784								
399230.00000	3274320.00000	0.01017	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399230.00000	3274420.00000	0.00853	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399230.00000	3274520.00000	0.00720	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399230.00000	3274620.00000	0.00596	29.87	29.87	0.00	PERIOD	ALL	

HAFLBMAC.P04

00008784								
399230.00000	3274720.00000	0.00494	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399230.00000	3274820.00000	0.00419	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399230.00000	3274920.00000	0.00365	32.82	32.82	0.00	PERIOD	ALL	
00008784								
399230.00000	3275020.00000	0.00320	33.22	33.22	0.00	PERIOD	ALL	
00008784								
399230.00000	3275120.00000	0.00286	35.63	35.63	0.00	PERIOD	ALL	
00008784								
399230.00000	3275220.00000	0.00258	36.98	36.98	0.00	PERIOD	ALL	
00008784								
399230.00000	3275320.00000	0.00236	39.57	39.57	0.00	PERIOD	ALL	
00008784								
399230.00000	3275420.00000	0.00213	36.90	36.90	0.00	PERIOD	ALL	
00008784								
399230.00000	3275520.00000	0.00195	34.85	34.85	0.00	PERIOD	ALL	
00008784								
399230.00000	3275620.00000	0.00180	34.19	34.19	0.00	PERIOD	ALL	
00008784								
399230.00000	3275720.00000	0.00167	34.30	34.30	0.00	PERIOD	ALL	
00008784								
399230.00000	3275820.00000	0.00156	34.04	34.04	0.00	PERIOD	ALL	
00008784								
399330.00000	3271820.00000	0.00277	34.14	34.14	0.00	PERIOD	ALL	
00008784								
399330.00000	3271920.00000	0.00294	32.61	32.61	0.00	PERIOD	ALL	
00008784								
399330.00000	3272020.00000	0.00314	31.50	31.50	0.00	PERIOD	ALL	
00008784								
399330.00000	3272120.00000	0.00336	29.67	29.67	0.00	PERIOD	ALL	
00008784								
399330.00000	3272220.00000	0.00368	32.31	32.31	0.00	PERIOD	ALL	
00008784								
399330.00000	3272320.00000	0.00403	34.04	34.04	0.00	PERIOD	ALL	
00008784								
399330.00000	3272420.00000	0.00440	33.53	33.53	0.00	PERIOD	ALL	
00008784								
399330.00000	3272520.00000	0.00484	32.92	32.92	0.00	PERIOD	ALL	
00008784								
399330.00000	3272620.00000	0.00537	32.41	32.41	0.00	PERIOD	ALL	
00008784								
399330.00000	3272720.00000	0.00604	32.41	32.41	0.00	PERIOD	ALL	
00008784								
399330.00000	3272820.00000	0.00678	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399330.00000	3272920.00000	0.00775	26.92	26.92	0.00	PERIOD	ALL	
00008784								
399330.00000	3273020.00000	0.00931	28.55	28.55	0.00	PERIOD	ALL	
00008784								
399330.00000	3273120.00000	0.01150	31.39	31.39	0.00	PERIOD	ALL	
00008784								
399330.00000	3273220.00000	0.01454	35.46	35.46	0.00	PERIOD	ALL	
00008784								
399330.00000	3274220.00000	0.01394	31.90	31.90	0.00	PERIOD	ALL	
00008784								
399330.00000	3274320.00000	0.01178	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399330.00000	3274420.00000	0.00946	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399330.00000	3274520.00000	0.00756	29.87	29.87	0.00	PERIOD	ALL	
00008784								

HAFBMAC.P04

399330.00000	3274620.00000	0.00629	29.87	29.87	0.00	PERIOD	ALL
00008784							
399330.00000	3274720.00000	0.00519	29.87	29.87	0.00	PERIOD	ALL
00008784							
399330.00000	3274820.00000	0.00434	29.87	29.87	0.00	PERIOD	ALL
00008784							
399330.00000	3274920.00000	0.00376	34.14	34.14	0.00	PERIOD	ALL
00008784							
399330.00000	3275020.00000	0.00331	36.07	36.07	0.00	PERIOD	ALL
00008784							
399330.00000	3275120.00000	0.00294	37.19	37.19	0.00	PERIOD	ALL
00008784							
399330.00000	3275220.00000	0.00265	39.01	39.01	0.00	PERIOD	ALL
00008784							
399330.00000	3275320.00000	0.00241	40.03	40.03	0.00	PERIOD	ALL
00008784							
399330.00000	3275420.00000	0.00217	37.08	37.08	0.00	PERIOD	ALL
00008784							
399330.00000	3275520.00000	0.00199	35.66	35.66	0.00	PERIOD	ALL
00008784							
399330.00000	3275620.00000	0.00184	36.17	36.17	0.00	PERIOD	ALL
00008784							
399330.00000	3275720.00000	0.00172	36.98	36.98	0.00	PERIOD	ALL
00008784							
399330.00000	3275820.00000	0.00159	33.83	33.83	0.00	PERIOD	ALL
00008784							
399430.00000	3271820.00000	0.00269	33.72	33.72	0.00	PERIOD	ALL
00008784							
399430.00000	3271920.00000	0.00286	32.00	32.00	0.00	PERIOD	ALL
00008784							
399430.00000	3272020.00000	0.00308	33.03	33.03	0.00	PERIOD	ALL
00008784							
399430.00000	3272120.00000	0.00330	32.06	32.06	0.00	PERIOD	ALL
00008784							
399430.00000	3272220.00000	0.00358	32.82	32.82	0.00	PERIOD	ALL
00008784							
399430.00000	3272320.00000	0.00390	32.97	32.97	0.00	PERIOD	ALL
00008784							
399430.00000	3272420.00000	0.00424	31.77	31.77	0.00	PERIOD	ALL
00008784							
399430.00000	3272520.00000	0.00470	33.02	33.02	0.00	PERIOD	ALL
00008784							
399430.00000	3272620.00000	0.00529	35.37	35.37	0.00	PERIOD	ALL
00008784							
399430.00000	3272720.00000	0.00592	34.28	34.28	0.00	PERIOD	ALL
00008784							
399430.00000	3272820.00000	0.00663	30.48	30.48	0.00	PERIOD	ALL
00008784							
399430.00000	3272920.00000	0.00763	27.31	27.31	0.00	PERIOD	ALL
00008784							
399430.00000	3273020.00000	0.00921	29.68	29.68	0.00	PERIOD	ALL
00008784							
399430.00000	3273120.00000	0.01139	31.90	31.90	0.00	PERIOD	ALL
00008784							
399430.00000	3273220.00000	0.01428	35.37	35.37	0.00	PERIOD	ALL
00008784							
399430.00000	3274220.00000	0.01846	35.44	35.44	0.00	PERIOD	ALL
00008784							
399430.00000	3274320.00000	0.01378	31.90	31.90	0.00	PERIOD	ALL
00008784							
399430.00000	3274420.00000	0.01021	29.87	29.87	0.00	PERIOD	ALL
00008784							
399430.00000	3274520.00000	0.00779	29.87	29.87	0.00	PERIOD	ALL

HAFLBMAC.P04

00008784								
399430.00000	3274620.00000	0.00630	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399430.00000	3274720.00000	0.00523	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399430.00000	3274820.00000	0.00441	31.05	31.05	0.00	PERIOD	ALL	
00008784								
399430.00000	3274920.00000	0.00386	35.97	35.97	0.00	PERIOD	ALL	
00008784								
399430.00000	3275020.00000	0.00341	38.47	38.47	0.00	PERIOD	ALL	
00008784								
399430.00000	3275120.00000	0.00304	39.86	39.86	0.00	PERIOD	ALL	
00008784								
399430.00000	3275220.00000	0.00270	41.66	41.66	0.00	PERIOD	ALL	
00008784								
399430.00000	3275320.00000	0.00246	41.09	41.09	0.00	PERIOD	ALL	
00008784								
399430.00000	3275420.00000	0.00223	41.54	41.54	0.00	PERIOD	ALL	
00008784								
399430.00000	3275520.00000	0.00207	40.34	40.34	0.00	PERIOD	ALL	
00008784								
399430.00000	3275620.00000	0.00191	39.51	39.51	0.00	PERIOD	ALL	
00008784								
399430.00000	3275720.00000	0.00178	39.44	39.44	0.00	PERIOD	ALL	
00008784								
399430.00000	3275820.00000	0.00164	37.08	37.08	0.00	PERIOD	ALL	
00008784								
399530.00000	3271820.00000	0.00257	32.15	32.15	0.00	PERIOD	ALL	
00008784								
399530.00000	3271920.00000	0.00274	31.50	31.50	0.00	PERIOD	ALL	
00008784								
399530.00000	3272020.00000	0.00296	33.47	33.47	0.00	PERIOD	ALL	
00008784								
399530.00000	3272120.00000	0.00317	33.04	33.04	0.00	PERIOD	ALL	
00008784								
399530.00000	3272220.00000	0.00342	32.41	32.41	0.00	PERIOD	ALL	
00008784								
399530.00000	3272320.00000	0.00370	32.02	32.02	0.00	PERIOD	ALL	
00008784								
399530.00000	3272420.00000	0.00402	31.37	31.37	0.00	PERIOD	ALL	
00008784								
399530.00000	3272520.00000	0.00447	33.93	33.93	0.00	PERIOD	ALL	
00008784								
399530.00000	3272620.00000	0.00499	35.40	35.40	0.00	PERIOD	ALL	
00008784								
399530.00000	3272720.00000	0.00554	33.43	33.43	0.00	PERIOD	ALL	
00008784								
399530.00000	3272820.00000	0.00611	28.24	28.24	0.00	PERIOD	ALL	
00008784								
399530.00000	3272920.00000	0.00704	28.29	28.29	0.00	PERIOD	ALL	
00008784								
399530.00000	3273020.00000	0.00839	30.41	30.41	0.00	PERIOD	ALL	
00008784								
399530.00000	3273120.00000	0.01011	31.90	31.90	0.00	PERIOD	ALL	
00008784								
399530.00000	3273220.00000	0.01276	34.21	34.21	0.00	PERIOD	ALL	
00008784								
399530.00000	3274320.00000	0.01338	34.54	34.54	0.00	PERIOD	ALL	
00008784								
399530.00000	3274420.00000	0.01031	32.90	32.90	0.00	PERIOD	ALL	
00008784								
399530.00000	3274520.00000	0.00799	30.38	30.38	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04						
399530.00000	3274620.00000	0.00645	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399530.00000	3274720.00000	0.00532	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399530.00000	3274820.00000	0.00453	31.93	31.93	0.00	PERIOD	ALL	
00008784								
399530.00000	3274920.00000	0.00399	37.49	37.49	0.00	PERIOD	ALL	
00008784								
399530.00000	3275020.00000	0.00353	40.23	40.23	0.00	PERIOD	ALL	
00008784								
399530.00000	3275120.00000	0.00310	41.81	41.81	0.00	PERIOD	ALL	
00008784								
399530.00000	3275220.00000	0.00275	43.38	43.38	0.00	PERIOD	ALL	
00008784								
399530.00000	3275320.00000	0.00248	44.50	44.50	0.00	PERIOD	ALL	
00008784								
399530.00000	3275420.00000	0.00224	45.96	45.96	0.00	PERIOD	ALL	
00008784								
399530.00000	3275520.00000	0.00208	44.09	44.09	0.00	PERIOD	ALL	
00008784								
399530.00000	3275620.00000	0.00195	41.94	41.94	0.00	PERIOD	ALL	
00008784								
399530.00000	3275720.00000	0.00182	41.76	41.76	0.00	PERIOD	ALL	
00008784								
399530.00000	3275820.00000	0.00171	39.73	39.73	0.00	PERIOD	ALL	
00008784								
399630.00000	3271820.00000	0.00244	30.07	30.07	0.00	PERIOD	ALL	
00008784								
399630.00000	3271920.00000	0.00260	31.09	31.09	0.00	PERIOD	ALL	
00008784								
399630.00000	3272020.00000	0.00279	32.41	32.41	0.00	PERIOD	ALL	
00008784								
399630.00000	3272120.00000	0.00299	32.41	32.41	0.00	PERIOD	ALL	
00008784								
399630.00000	3272220.00000	0.00320	30.48	30.48	0.00	PERIOD	ALL	
00008784								
399630.00000	3272320.00000	0.00346	31.09	31.09	0.00	PERIOD	ALL	
00008784								
399630.00000	3272420.00000	0.00378	32.51	32.51	0.00	PERIOD	ALL	
00008784								
399630.00000	3272520.00000	0.00416	33.22	33.22	0.00	PERIOD	ALL	
00008784								
399630.00000	3272620.00000	0.00458	33.02	33.02	0.00	PERIOD	ALL	
00008784								
399630.00000	3272720.00000	0.00506	30.48	30.48	0.00	PERIOD	ALL	
00008784								
399630.00000	3272820.00000	0.00560	26.21	26.21	0.00	PERIOD	ALL	
00008784								
399630.00000	3272920.00000	0.00652	28.96	28.96	0.00	PERIOD	ALL	
00008784								
399630.00000	3273020.00000	0.00765	30.99	30.99	0.00	PERIOD	ALL	
00008784								
399630.00000	3273120.00000	0.00914	31.70	31.70	0.00	PERIOD	ALL	
00008784								
399630.00000	3273220.00000	0.01079	31.19	31.19	0.00	PERIOD	ALL	
00008784								
399630.00000	3274320.00000	0.01459	37.19	37.19	0.00	PERIOD	ALL	
00008784								
399630.00000	3274420.00000	0.01088	34.75	34.75	0.00	PERIOD	ALL	
00008784								
399630.00000	3274520.00000	0.00832	31.39	31.39	0.00	PERIOD	ALL	
00008784								
399630.00000	3274620.00000	0.00666	30.48	30.48	0.00	PERIOD	ALL	

HAFLBMAC.P04

00008784								
399630.00000	3274720.00000	0.00551	30.18	30.18	0.00	PERIOD	ALL	
00008784								
399630.00000	3274820.00000	0.00467	30.18	30.18	0.00	PERIOD	ALL	
00008784								
399630.00000	3274920.00000	0.00413	35.97	35.97	0.00	PERIOD	ALL	
00008784								
399630.00000	3275020.00000	0.00368	40.03	40.03	0.00	PERIOD	ALL	
00008784								
399630.00000	3275120.00000	0.00322	42.47	42.47	0.00	PERIOD	ALL	
00008784								
399630.00000	3275220.00000	0.00282	46.63	46.63	0.00	PERIOD	ALL	
00008784								
399630.00000	3275320.00000	0.00254	47.65	47.65	0.00	PERIOD	ALL	
00008784								
399630.00000	3275420.00000	0.00231	48.87	48.87	0.00	PERIOD	ALL	
00008784								
399630.00000	3275520.00000	0.00214	46.63	46.63	0.00	PERIOD	ALL	
00008784								
399630.00000	3275620.00000	0.00200	44.70	44.70	0.00	PERIOD	ALL	
00008784								
399630.00000	3275720.00000	0.00186	44.81	44.81	0.00	PERIOD	ALL	
00008784								
399630.00000	3275820.00000	0.00174	44.50	44.50	0.00	PERIOD	ALL	
00008784								
399730.00000	3271820.00000	0.00233	32.42	32.42	0.00	PERIOD	ALL	
00008784								
399730.00000	3271920.00000	0.00246	30.78	30.78	0.00	PERIOD	ALL	
00008784								
399730.00000	3272020.00000	0.00263	32.43	32.43	0.00	PERIOD	ALL	
00008784								
399730.00000	3272120.00000	0.00281	32.18	32.18	0.00	PERIOD	ALL	
00008784								
399730.00000	3272220.00000	0.00299	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399730.00000	3272320.00000	0.00323	31.03	31.03	0.00	PERIOD	ALL	
00008784								
399730.00000	3272420.00000	0.00352	32.36	32.36	0.00	PERIOD	ALL	
00008784								
399730.00000	3272520.00000	0.00379	29.77	29.77	0.00	PERIOD	ALL	
00008784								
399730.00000	3272620.00000	0.00413	28.10	28.10	0.00	PERIOD	ALL	
00008784								
399730.00000	3272720.00000	0.00453	26.17	26.17	0.00	PERIOD	ALL	
00008784								
399730.00000	3272820.00000	0.00511	27.74	27.74	0.00	PERIOD	ALL	
00008784								
399730.00000	3272920.00000	0.00587	29.94	29.94	0.00	PERIOD	ALL	
00008784								
399730.00000	3273020.00000	0.00677	30.04	30.04	0.00	PERIOD	ALL	
00008784								
399730.00000	3273120.00000	0.00784	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399730.00000	3273220.00000	0.00930	29.29	29.29	0.00	PERIOD	ALL	
00008784								
399730.00000	3273320.00000	0.01169	30.76	30.76	0.00	PERIOD	ALL	
00008784								
399730.00000	3273420.00000	0.01403	32.61	32.61	0.00	PERIOD	ALL	
00008784								
399730.00000	3273520.00000	0.01705	34.04	34.04	0.00	PERIOD	ALL	
00008784								
399730.00000	3273620.00000	0.01870	35.07	35.07	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04					
399730.00000	3273720.00000	0.01685	29.97	29.97	0.00	PERIOD	ALL
00008784							
399730.00000	3273820.00000	0.02192	34.51	34.51	0.00	PERIOD	ALL
00008784							
399730.00000	3274420.00000	0.01117	34.05	34.05	0.00	PERIOD	ALL
00008784							
399730.00000	3274520.00000	0.00875	32.92	32.92	0.00	PERIOD	ALL
00008784							
399730.00000	3274620.00000	0.00693	31.39	31.39	0.00	PERIOD	ALL
00008784							
399730.00000	3274720.00000	0.00570	29.87	29.87	0.00	PERIOD	ALL
00008784							
399730.00000	3274820.00000	0.00484	29.94	29.94	0.00	PERIOD	ALL
00008784							
399730.00000	3274920.00000	0.00427	34.95	34.95	0.00	PERIOD	ALL
00008784							
399730.00000	3275020.00000	0.00380	38.65	38.65	0.00	PERIOD	ALL
00008784							
399730.00000	3275120.00000	0.00337	41.44	41.44	0.00	PERIOD	ALL
00008784							
399730.00000	3275220.00000	0.00295	45.92	45.92	0.00	PERIOD	ALL
00008784							
399730.00000	3275320.00000	0.00264	48.46	48.46	0.00	PERIOD	ALL
00008784							
399730.00000	3275420.00000	0.00239	50.78	50.78	0.00	PERIOD	ALL
00008784							
399730.00000	3275520.00000	0.00221	48.77	48.77	0.00	PERIOD	ALL
00008784							
399730.00000	3275620.00000	0.00206	45.97	45.97	0.00	PERIOD	ALL
00008784							
399730.00000	3275720.00000	0.00191	47.30	47.30	0.00	PERIOD	ALL
00008784							
399730.00000	3275820.00000	0.00177	49.38	49.38	0.00	PERIOD	ALL
00008784							
399830.00000	3271820.00000	0.00220	31.19	31.19	0.00	PERIOD	ALL
00008784							
399830.00000	3271920.00000	0.00234	32.00	32.00	0.00	PERIOD	ALL
00008784							
399830.00000	3272020.00000	0.00248	32.49	32.49	0.00	PERIOD	ALL
00008784							
399830.00000	3272120.00000	0.00264	32.02	32.02	0.00	PERIOD	ALL
00008784							
399830.00000	3272220.00000	0.00280	29.77	29.77	0.00	PERIOD	ALL
00008784							
399830.00000	3272320.00000	0.00302	31.20	31.20	0.00	PERIOD	ALL
00008784							
399830.00000	3272420.00000	0.00326	31.21	31.21	0.00	PERIOD	ALL
00008784							
399830.00000	3272520.00000	0.00351	29.36	29.36	0.00	PERIOD	ALL
00008784							
399830.00000	3272620.00000	0.00381	27.61	27.61	0.00	PERIOD	ALL
00008784							
399830.00000	3272720.00000	0.00418	25.41	25.41	0.00	PERIOD	ALL
00008784							
399830.00000	3272820.00000	0.00476	29.26	29.26	0.00	PERIOD	ALL
00008784							
399830.00000	3272920.00000	0.00549	31.52	31.52	0.00	PERIOD	ALL
00008784							
399830.00000	3273020.00000	0.00649	31.92	31.92	0.00	PERIOD	ALL
00008784							
399830.00000	3273120.00000	0.00772	29.77	29.77	0.00	PERIOD	ALL
00008784							
399830.00000	3273220.00000	0.00926	31.14	31.14	0.00	PERIOD	ALL

HAFLBMAC.P04

00008784								
399830.00000	3273320.00000	0.01160	33.15	33.15	0.00	PERIOD	ALL	
00008784								
399830.00000	3273420.00000	0.01435	35.05	35.05	0.00	PERIOD	ALL	
00008784								
399830.00000	3273520.00000	0.01608	36.76	36.76	0.00	PERIOD	ALL	
00008784								
399830.00000	3273620.00000	0.01697	36.22	36.22	0.00	PERIOD	ALL	
00008784								
399830.00000	3273720.00000	0.01745	33.53	33.53	0.00	PERIOD	ALL	
00008784								
399830.00000	3273820.00000	0.02276	35.34	35.34	0.00	PERIOD	ALL	
00008784								
399830.00000	3273920.00000	0.03502	37.35	37.35	0.00	PERIOD	ALL	
00008784								
399830.00000	3274020.00000	0.02928	35.46	35.46	0.00	PERIOD	ALL	
00008784								
399830.00000	3274120.00000	0.02235	38.34	38.34	0.00	PERIOD	ALL	
00008784								
399830.00000	3274220.00000	0.01778	38.39	38.39	0.00	PERIOD	ALL	
00008784								
399830.00000	3274320.00000	0.01406	37.39	37.39	0.00	PERIOD	ALL	
00008784								
399830.00000	3274420.00000	0.01093	36.01	36.01	0.00	PERIOD	ALL	
00008784								
399830.00000	3274520.00000	0.00854	32.35	32.35	0.00	PERIOD	ALL	
00008784								
399830.00000	3274620.00000	0.00702	31.70	31.70	0.00	PERIOD	ALL	
00008784								
399830.00000	3274720.00000	0.00583	30.05	30.05	0.00	PERIOD	ALL	
00008784								
399830.00000	3274820.00000	0.00496	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399830.00000	3274920.00000	0.00437	34.24	34.24	0.00	PERIOD	ALL	
00008784								
399830.00000	3275020.00000	0.00389	37.38	37.38	0.00	PERIOD	ALL	
00008784								
399830.00000	3275120.00000	0.00350	40.29	40.29	0.00	PERIOD	ALL	
00008784								
399830.00000	3275220.00000	0.00308	43.89	43.89	0.00	PERIOD	ALL	
00008784								
399830.00000	3275320.00000	0.00275	46.83	46.83	0.00	PERIOD	ALL	
00008784								
399830.00000	3275420.00000	0.00250	48.55	48.55	0.00	PERIOD	ALL	
00008784								
399830.00000	3275520.00000	0.00230	48.36	48.36	0.00	PERIOD	ALL	
00008784								
399830.00000	3275620.00000	0.00213	47.38	47.38	0.00	PERIOD	ALL	
00008784								
399830.00000	3275720.00000	0.00197	49.36	49.36	0.00	PERIOD	ALL	
00008784								
399830.00000	3275820.00000	0.00182	52.53	52.53	0.00	PERIOD	ALL	
00008784								
399930.00000	3271820.00000	0.00208	29.06	29.06	0.00	PERIOD	ALL	
00008784								
399930.00000	3271920.00000	0.00218	27.13	27.13	0.00	PERIOD	ALL	
00008784								
399930.00000	3272020.00000	0.00233	30.38	30.38	0.00	PERIOD	ALL	
00008784								
399930.00000	3272120.00000	0.00248	30.89	30.89	0.00	PERIOD	ALL	
00008784								
399930.00000	3272220.00000	0.00263	28.04	28.04	0.00	PERIOD	ALL	
00008784								

HAFBMAC.P04

399930.00000	3272320.00000	0.00279	25.81	25.81	0.00	PERIOD	ALL
00008784							
399930.00000	3272420.00000	0.00301	26.01	26.01	0.00	PERIOD	ALL
00008784							
399930.00000	3272520.00000	0.00326	25.30	25.30	0.00	PERIOD	ALL
00008784							
399930.00000	3272620.00000	0.00358	25.30	25.30	0.00	PERIOD	ALL
00008784							
399930.00000	3272720.00000	0.00397	25.30	25.30	0.00	PERIOD	ALL
00008784							
399930.00000	3272820.00000	0.00458	28.04	28.04	0.00	PERIOD	ALL
00008784							
399930.00000	3272920.00000	0.00546	31.50	31.50	0.00	PERIOD	ALL
00008784							
399930.00000	3273020.00000	0.00658	34.24	34.24	0.00	PERIOD	ALL
00008784							
399930.00000	3273120.00000	0.00799	34.75	34.75	0.00	PERIOD	ALL
00008784							
399930.00000	3273220.00000	0.00982	36.07	36.07	0.00	PERIOD	ALL
00008784							
399930.00000	3273320.00000	0.01164	36.68	36.68	0.00	PERIOD	ALL
00008784							
399930.00000	3273420.00000	0.01279	37.19	37.19	0.00	PERIOD	ALL
00008784							
399930.00000	3273520.00000	0.01397	39.42	39.42	0.00	PERIOD	ALL
00008784							
399930.00000	3273620.00000	0.01497	38.71	38.71	0.00	PERIOD	ALL
00008784							
399930.00000	3273720.00000	0.01560	38.40	38.40	0.00	PERIOD	ALL
00008784							
399930.00000	3273820.00000	0.01931	39.01	39.01	0.00	PERIOD	ALL
00008784							
399930.00000	3273920.00000	0.02537	39.93	39.93	0.00	PERIOD	ALL
00008784							
399930.00000	3274020.00000	0.02633	39.32	39.32	0.00	PERIOD	ALL
00008784							
399930.00000	3274120.00000	0.02027	38.81	38.81	0.00	PERIOD	ALL
00008784							
399930.00000	3274220.00000	0.01603	40.84	40.84	0.00	PERIOD	ALL
00008784							
399930.00000	3274320.00000	0.01267	38.10	38.10	0.00	PERIOD	ALL
00008784							
399930.00000	3274420.00000	0.01034	35.66	35.66	0.00	PERIOD	ALL
00008784							
399930.00000	3274520.00000	0.00838	34.34	34.34	0.00	PERIOD	ALL
00008784							
399930.00000	3274620.00000	0.00697	35.05	35.05	0.00	PERIOD	ALL
00008784							
399930.00000	3274720.00000	0.00583	32.72	32.72	0.00	PERIOD	ALL
00008784							
399930.00000	3274820.00000	0.00496	30.18	30.18	0.00	PERIOD	ALL
00008784							
399930.00000	3274920.00000	0.00438	32.92	32.92	0.00	PERIOD	ALL
00008784							
399930.00000	3275020.00000	0.00391	35.46	35.46	0.00	PERIOD	ALL
00008784							
399930.00000	3275120.00000	0.00353	38.00	38.00	0.00	PERIOD	ALL
00008784							
399930.00000	3275220.00000	0.00321	40.54	40.54	0.00	PERIOD	ALL
00008784							
399930.00000	3275320.00000	0.00285	44.70	44.70	0.00	PERIOD	ALL
00008784							
399930.00000	3275420.00000	0.00259	45.82	45.82	0.00	PERIOD	ALL

HAFLBMAC.P04

00008784								
399930.00000	3275520.00000	0.00237	47.55	47.55	0.00	PERIOD	ALL	
00008784								
399930.00000	3275620.00000	0.00218	49.68	49.68	0.00	PERIOD	ALL	
00008784								
399930.00000	3275720.00000	0.00201	52.73	52.73	0.00	PERIOD	ALL	
00008784								
399930.00000	3275820.00000	0.00187	55.17	55.17	0.00	PERIOD	ALL	
00008784								
400030.00000	3271820.00000	0.00196	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400030.00000	3271920.00000	0.00207	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400030.00000	3272020.00000	0.00219	26.31	26.31	0.00	PERIOD	ALL	
00008784								
400030.00000	3272120.00000	0.00235	28.11	28.11	0.00	PERIOD	ALL	
00008784								
400030.00000	3272220.00000	0.00249	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400030.00000	3272320.00000	0.00267	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400030.00000	3272420.00000	0.00289	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400030.00000	3272520.00000	0.00316	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400030.00000	3272620.00000	0.00351	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400030.00000	3272720.00000	0.00398	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400030.00000	3272820.00000	0.00455	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400030.00000	3272920.00000	0.00538	28.71	28.71	0.00	PERIOD	ALL	
00008784								
400030.00000	3273020.00000	0.00656	32.96	32.96	0.00	PERIOD	ALL	
00008784								
400030.00000	3273120.00000	0.00807	37.29	37.29	0.00	PERIOD	ALL	
00008784								
400030.00000	3273220.00000	0.00966	40.12	40.12	0.00	PERIOD	ALL	
00008784								
400030.00000	3273320.00000	0.01024	38.45	38.45	0.00	PERIOD	ALL	
00008784								
400030.00000	3273420.00000	0.01049	36.88	36.88	0.00	PERIOD	ALL	
00008784								
400030.00000	3273520.00000	0.01166	39.07	39.07	0.00	PERIOD	ALL	
00008784								
400030.00000	3273620.00000	0.01201	39.19	39.19	0.00	PERIOD	ALL	
00008784								
400030.00000	3273720.00000	0.01250	37.39	37.39	0.00	PERIOD	ALL	
00008784								
400030.00000	3273820.00000	0.01489	36.62	36.62	0.00	PERIOD	ALL	
00008784								
400030.00000	3273920.00000	0.01823	37.35	37.35	0.00	PERIOD	ALL	
00008784								
400030.00000	3274020.00000	0.02021	37.19	37.19	0.00	PERIOD	ALL	
00008784								
400030.00000	3274120.00000	0.01828	38.90	38.90	0.00	PERIOD	ALL	
00008784								
400030.00000	3274220.00000	0.01452	38.34	38.34	0.00	PERIOD	ALL	
00008784								
400030.00000	3274320.00000	0.01178	40.94	40.94	0.00	PERIOD	ALL	
00008784								
400030.00000	3274420.00000	0.00961	38.64	38.64	0.00	PERIOD	ALL	
00008784								

HAFBMAC.P04

400030.00000	3274520.00000	0.00800	37.44	37.44	0.00	PERIOD	ALL
00008784							
400030.00000	3274620.00000	0.00667	35.15	35.15	0.00	PERIOD	ALL
00008784							
400030.00000	3274720.00000	0.00562	31.57	31.57	0.00	PERIOD	ALL
00008784							
400030.00000	3274820.00000	0.00491	32.40	32.40	0.00	PERIOD	ALL
00008784							
400030.00000	3274920.00000	0.00436	34.54	34.54	0.00	PERIOD	ALL
00008784							
400030.00000	3275020.00000	0.00387	33.90	33.90	0.00	PERIOD	ALL
00008784							
400030.00000	3275120.00000	0.00355	38.58	38.58	0.00	PERIOD	ALL
00008784							
400030.00000	3275220.00000	0.00323	40.64	40.64	0.00	PERIOD	ALL
00008784							
400030.00000	3275320.00000	0.00290	43.59	43.59	0.00	PERIOD	ALL
00008784							
400030.00000	3275420.00000	0.00264	45.10	45.10	0.00	PERIOD	ALL
00008784							
400030.00000	3275520.00000	0.00241	48.06	48.06	0.00	PERIOD	ALL
00008784							
400030.00000	3275620.00000	0.00222	51.21	51.21	0.00	PERIOD	ALL
00008784							
400030.00000	3275720.00000	0.00205	54.06	54.06	0.00	PERIOD	ALL
00008784							
400030.00000	3275820.00000	0.00191	55.47	55.47	0.00	PERIOD	ALL
00008784							
400130.00000	3271820.00000	0.00189	25.30	25.30	0.00	PERIOD	ALL
00008784							
400130.00000	3271920.00000	0.00199	25.30	25.30	0.00	PERIOD	ALL
00008784							
400130.00000	3272020.00000	0.00211	25.30	25.30	0.00	PERIOD	ALL
00008784							
400130.00000	3272120.00000	0.00225	25.46	25.46	0.00	PERIOD	ALL
00008784							
400130.00000	3272220.00000	0.00241	25.30	25.30	0.00	PERIOD	ALL
00008784							
400130.00000	3272320.00000	0.00261	25.30	25.30	0.00	PERIOD	ALL
00008784							
400130.00000	3272420.00000	0.00285	25.30	25.30	0.00	PERIOD	ALL
00008784							
400130.00000	3272520.00000	0.00316	25.30	25.30	0.00	PERIOD	ALL
00008784							
400130.00000	3272620.00000	0.00351	25.30	25.30	0.00	PERIOD	ALL
00008784							
400130.00000	3272720.00000	0.00395	25.30	25.30	0.00	PERIOD	ALL
00008784							
400130.00000	3272820.00000	0.00451	25.30	25.30	0.00	PERIOD	ALL
00008784							
400130.00000	3272920.00000	0.00522	25.96	25.96	0.00	PERIOD	ALL
00008784							
400130.00000	3273020.00000	0.00619	30.96	30.96	0.00	PERIOD	ALL
00008784							
400130.00000	3273120.00000	0.00724	35.46	35.46	0.00	PERIOD	ALL
00008784							
400130.00000	3273220.00000	0.00822	39.80	39.80	0.00	PERIOD	ALL
00008784							
400130.00000	3273320.00000	0.00808	34.04	34.04	0.00	PERIOD	ALL
00008784							
400130.00000	3273420.00000	0.00839	29.67	29.67	0.00	PERIOD	ALL
00008784							
400130.00000	3273520.00000	0.00908	32.84	32.84	0.00	PERIOD	ALL

HAFBMAC.P04

00008784								
400130.00000	3273620.00000	0.00939	34.51	34.51	0.00	PERIOD	ALL	
00008784								
400130.00000	3273720.00000	0.01020	34.65	34.65	0.00	PERIOD	ALL	
00008784								
400130.00000	3273820.00000	0.01193	34.08	34.08	0.00	PERIOD	ALL	
00008784								
400130.00000	3273920.00000	0.01415	35.36	35.36	0.00	PERIOD	ALL	
00008784								
400130.00000	3274020.00000	0.01605	38.20	38.20	0.00	PERIOD	ALL	
00008784								
400130.00000	3274120.00000	0.01564	37.99	37.99	0.00	PERIOD	ALL	
00008784								
400130.00000	3274220.00000	0.01314	37.91	37.91	0.00	PERIOD	ALL	
00008784								
400130.00000	3274320.00000	0.01095	40.13	40.13	0.00	PERIOD	ALL	
00008784								
400130.00000	3274420.00000	0.00887	37.49	37.49	0.00	PERIOD	ALL	
00008784								
400130.00000	3274520.00000	0.00733	34.87	34.87	0.00	PERIOD	ALL	
00008784								
400130.00000	3274620.00000	0.00633	36.37	36.37	0.00	PERIOD	ALL	
00008784								
400130.00000	3274720.00000	0.00540	32.54	32.54	0.00	PERIOD	ALL	
00008784								
400130.00000	3274820.00000	0.00477	33.58	33.58	0.00	PERIOD	ALL	
00008784								
400130.00000	3274920.00000	0.00431	37.29	37.29	0.00	PERIOD	ALL	
00008784								
400130.00000	3275020.00000	0.00387	37.52	37.52	0.00	PERIOD	ALL	
00008784								
400130.00000	3275120.00000	0.00352	38.81	38.81	0.00	PERIOD	ALL	
00008784								
400130.00000	3275220.00000	0.00322	40.74	40.74	0.00	PERIOD	ALL	
00008784								
400130.00000	3275320.00000	0.00291	43.23	43.23	0.00	PERIOD	ALL	
00008784								
400130.00000	3275420.00000	0.00265	45.35	45.35	0.00	PERIOD	ALL	
00008784								
400130.00000	3275520.00000	0.00244	46.94	46.94	0.00	PERIOD	ALL	
00008784								
400130.00000	3275620.00000	0.00225	49.93	49.93	0.00	PERIOD	ALL	
00008784								
400130.00000	3275720.00000	0.00208	52.98	52.98	0.00	PERIOD	ALL	
00008784								
400130.00000	3275820.00000	0.00194	54.36	54.36	0.00	PERIOD	ALL	
00008784								
400230.00000	3271820.00000	0.00184	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400230.00000	3271920.00000	0.00195	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400230.00000	3272020.00000	0.00207	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400230.00000	3272120.00000	0.00222	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400230.00000	3272220.00000	0.00239	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400230.00000	3272320.00000	0.00260	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400230.00000	3272420.00000	0.00284	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400230.00000	3272520.00000	0.00312	25.30	25.30	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04						
400230.00000	3272620.00000	0.00345	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400230.00000	3272720.00000	0.00388	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400230.00000	3272820.00000	0.00437	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400230.00000	3272920.00000	0.00494	25.81	25.81	0.00	PERIOD	ALL	
00008784								
400230.00000	3273020.00000	0.00563	30.99	30.99	0.00	PERIOD	ALL	
00008784								
400230.00000	3273120.00000	0.00621	34.75	34.75	0.00	PERIOD	ALL	
00008784								
400230.00000	3273220.00000	0.00670	38.40	38.40	0.00	PERIOD	ALL	
00008784								
400230.00000	3273320.00000	0.00689	34.54	34.54	0.00	PERIOD	ALL	
00008784								
400230.00000	3273420.00000	0.00720	30.48	30.48	0.00	PERIOD	ALL	
00008784								
400230.00000	3273520.00000	0.00734	28.55	28.55	0.00	PERIOD	ALL	
00008784								
400230.00000	3273620.00000	0.00759	29.36	29.36	0.00	PERIOD	ALL	
00008784								
400230.00000	3273720.00000	0.00847	32.31	32.31	0.00	PERIOD	ALL	
00008784								
400230.00000	3273820.00000	0.00960	29.57	29.57	0.00	PERIOD	ALL	
00008784								
400230.00000	3273920.00000	0.01126	33.53	33.53	0.00	PERIOD	ALL	
00008784								
400230.00000	3274020.00000	0.01232	31.39	37.49	0.00	PERIOD	ALL	
00008784								
400230.00000	3274120.00000	0.01285	35.36	35.36	0.00	PERIOD	ALL	
00008784								
400230.00000	3274220.00000	0.01180	37.59	37.59	0.00	PERIOD	ALL	
00008784								
400230.00000	3274320.00000	0.01012	39.93	39.93	0.00	PERIOD	ALL	
00008784								
400230.00000	3274420.00000	0.00792	28.55	39.93	0.00	PERIOD	ALL	
00008784								
400230.00000	3274520.00000	0.00678	30.68	41.45	0.00	PERIOD	ALL	
00008784								
400230.00000	3274620.00000	0.00611	40.54	40.54	0.00	PERIOD	ALL	
00008784								
400230.00000	3274720.00000	0.00524	36.88	36.88	0.00	PERIOD	ALL	
00008784								
400230.00000	3274820.00000	0.00466	37.90	37.90	0.00	PERIOD	ALL	
00008784								
400230.00000	3274920.00000	0.00421	39.62	39.62	0.00	PERIOD	ALL	
00008784								
400230.00000	3275020.00000	0.00380	41.25	41.25	0.00	PERIOD	ALL	
00008784								
400230.00000	3275120.00000	0.00347	40.13	40.13	0.00	PERIOD	ALL	
00008784								
400230.00000	3275220.00000	0.00317	41.15	41.15	0.00	PERIOD	ALL	
00008784								
400230.00000	3275320.00000	0.00287	43.89	43.89	0.00	PERIOD	ALL	
00008784								
400230.00000	3275420.00000	0.00263	46.53	46.53	0.00	PERIOD	ALL	
00008784								
400230.00000	3275520.00000	0.00243	48.77	48.77	0.00	PERIOD	ALL	
00008784								
400230.00000	3275620.00000	0.00225	51.10	51.10	0.00	PERIOD	ALL	
00008784								
400230.00000	3275720.00000	0.00210	52.32	52.32	0.00	PERIOD	ALL	

HAFLBMAC.P04

00008784								
400230.00000	3275820.00000	0.00196	53.64	53.64	0.00	PERIOD	ALL	
00008784								
400330.00000	3271820.00000	0.00182	25.92	25.92	0.00	PERIOD	ALL	
00008784								
400330.00000	3271920.00000	0.00193	25.70	25.70	0.00	PERIOD	ALL	
00008784								
400330.00000	3272020.00000	0.00207	25.85	25.85	0.00	PERIOD	ALL	
00008784								
400330.00000	3272120.00000	0.00222	25.42	25.42	0.00	PERIOD	ALL	
00008784								
400330.00000	3272220.00000	0.00239	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400330.00000	3272320.00000	0.00258	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400330.00000	3272420.00000	0.00279	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400330.00000	3272520.00000	0.00306	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400330.00000	3272620.00000	0.00338	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400330.00000	3272720.00000	0.00373	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400330.00000	3272820.00000	0.00412	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400330.00000	3272920.00000	0.00456	28.00	28.00	0.00	PERIOD	ALL	
00008784								
400330.00000	3273020.00000	0.00491	30.59	30.59	0.00	PERIOD	ALL	
00008784								
400330.00000	3273120.00000	0.00520	33.63	33.63	0.00	PERIOD	ALL	
00008784								
400330.00000	3273220.00000	0.00558	35.90	35.90	0.00	PERIOD	ALL	
00008784								
400330.00000	3273320.00000	0.00592	34.51	34.51	0.00	PERIOD	ALL	
00008784								
400330.00000	3273420.00000	0.00619	33.73	33.73	0.00	PERIOD	ALL	
00008784								
400330.00000	3273520.00000	0.00631	33.74	33.74	0.00	PERIOD	ALL	
00008784								
400330.00000	3273620.00000	0.00655	33.17	33.17	0.00	PERIOD	ALL	
00008784								
400330.00000	3273720.00000	0.00709	28.85	28.85	0.00	PERIOD	ALL	
00008784								
400330.00000	3273820.00000	0.00800	27.56	27.56	0.00	PERIOD	ALL	
00008784								
400330.00000	3273920.00000	0.00919	31.14	31.14	0.00	PERIOD	ALL	
00008784								
400330.00000	3274020.00000	0.00992	26.82	26.82	0.00	PERIOD	ALL	
00008784								
400330.00000	3274120.00000	0.01050	30.76	30.76	0.00	PERIOD	ALL	
00008784								
400330.00000	3274220.00000	0.01034	35.88	35.88	0.00	PERIOD	ALL	
00008784								
400330.00000	3274320.00000	0.00910	35.56	35.56	0.00	PERIOD	ALL	
00008784								
400330.00000	3274420.00000	0.00783	36.79	39.93	0.00	PERIOD	ALL	
00008784								
400330.00000	3274520.00000	0.00653	32.92	42.06	0.00	PERIOD	ALL	
00008784								
400330.00000	3274620.00000	0.00574	42.57	42.57	0.00	PERIOD	ALL	
00008784								
400330.00000	3274720.00000	0.00505	38.25	38.25	0.00	PERIOD	ALL	
00008784								

HAFLBMAC.P04

400330.00000	3274820.00000	0.00450	41.40	41.40	0.00	PERIOD	ALL
00008784							
400330.00000	3274920.00000	0.00400	43.48	43.48	0.00	PERIOD	ALL
00008784							
400330.00000	3275020.00000	0.00364	43.39	43.39	0.00	PERIOD	ALL
00008784							
400330.00000	3275120.00000	0.00333	43.35	43.35	0.00	PERIOD	ALL
00008784							
400330.00000	3275220.00000	0.00305	44.70	44.70	0.00	PERIOD	ALL
00008784							
400330.00000	3275320.00000	0.00281	46.04	46.04	0.00	PERIOD	ALL
00008784							
400330.00000	3275420.00000	0.00260	46.81	46.81	0.00	PERIOD	ALL
00008784							
400330.00000	3275520.00000	0.00242	48.26	48.26	0.00	PERIOD	ALL
00008784							
400330.00000	3275620.00000	0.00224	50.96	50.96	0.00	PERIOD	ALL
00008784							
400330.00000	3275720.00000	0.00210	52.30	52.30	0.00	PERIOD	ALL
00008784							
400330.00000	3275820.00000	0.00197	53.04	53.04	0.00	PERIOD	ALL
00008784							
400430.00000	3271820.00000	0.00182	25.66	25.66	0.00	PERIOD	ALL
00008784							
400430.00000	3271920.00000	0.00193	25.30	25.30	0.00	PERIOD	ALL
00008784							
400430.00000	3272020.00000	0.00206	25.91	25.91	0.00	PERIOD	ALL
00008784							
400430.00000	3272120.00000	0.00220	25.80	25.80	0.00	PERIOD	ALL
00008784							
400430.00000	3272220.00000	0.00235	25.30	25.30	0.00	PERIOD	ALL
00008784							
400430.00000	3272320.00000	0.00253	25.12	25.12	0.00	PERIOD	ALL
00008784							
400430.00000	3272420.00000	0.00275	25.30	25.30	0.00	PERIOD	ALL
00008784							
400430.00000	3272520.00000	0.00298	25.30	25.30	0.00	PERIOD	ALL
00008784							
400430.00000	3272620.00000	0.00324	25.30	25.30	0.00	PERIOD	ALL
00008784							
400430.00000	3272720.00000	0.00351	25.30	25.30	0.00	PERIOD	ALL
00008784							
400430.00000	3272820.00000	0.00380	25.40	25.40	0.00	PERIOD	ALL
00008784							
400430.00000	3272920.00000	0.00404	27.81	27.81	0.00	PERIOD	ALL
00008784							
400430.00000	3273020.00000	0.00421	29.33	29.33	0.00	PERIOD	ALL
00008784							
400430.00000	3273120.00000	0.00444	31.09	31.09	0.00	PERIOD	ALL
00008784							
400430.00000	3273220.00000	0.00473	32.09	32.09	0.00	PERIOD	ALL
00008784							
400430.00000	3273320.00000	0.00508	33.08	33.08	0.00	PERIOD	ALL
00008784							
400430.00000	3273420.00000	0.00528	35.66	35.66	0.00	PERIOD	ALL
00008784							
400430.00000	3273520.00000	0.00552	38.16	38.16	0.00	PERIOD	ALL
00008784							
400430.00000	3273620.00000	0.00570	35.73	35.73	0.00	PERIOD	ALL
00008784							
400430.00000	3273720.00000	0.00619	31.09	31.09	0.00	PERIOD	ALL
00008784							
400430.00000	3273820.00000	0.00682	26.82	26.82	0.00	PERIOD	ALL

HAFBMAC.P04

00008784								
400430.00000	3273920.00000	0.00770	29.15	29.15	0.00	PERIOD	ALL	
00008784								
400430.00000	3274020.00000	0.00851	29.87	29.87	0.00	PERIOD	ALL	
00008784								
400430.00000	3274120.00000	0.00904	31.81	31.81	0.00	PERIOD	ALL	
00008784								
400430.00000	3274220.00000	0.00894	32.92	32.92	0.00	PERIOD	ALL	
00008784								
400430.00000	3274320.00000	0.00833	35.36	35.36	0.00	PERIOD	ALL	
00008784								
400430.00000	3274420.00000	0.00749	39.53	39.53	0.00	PERIOD	ALL	
00008784								
400430.00000	3274520.00000	0.00638	36.92	41.15	0.00	PERIOD	ALL	
00008784								
400430.00000	3274620.00000	0.00561	40.23	40.23	0.00	PERIOD	ALL	
00008784								
400430.00000	3274720.00000	0.00484	37.01	37.01	0.00	PERIOD	ALL	
00008784								
400430.00000	3274820.00000	0.00428	43.45	43.45	0.00	PERIOD	ALL	
00008784								
400430.00000	3274920.00000	0.00379	46.94	46.94	0.00	PERIOD	ALL	
00008784								
400430.00000	3275020.00000	0.00348	46.07	46.07	0.00	PERIOD	ALL	
00008784								
400430.00000	3275120.00000	0.00321	44.83	44.83	0.00	PERIOD	ALL	
00008784								
400430.00000	3275220.00000	0.00296	46.43	46.43	0.00	PERIOD	ALL	
00008784								
400430.00000	3275320.00000	0.00273	47.85	47.85	0.00	PERIOD	ALL	
00008784								
400430.00000	3275420.00000	0.00254	48.89	48.89	0.00	PERIOD	ALL	
00008784								
400430.00000	3275520.00000	0.00238	48.87	48.87	0.00	PERIOD	ALL	
00008784								
400430.00000	3275620.00000	0.00223	50.85	50.85	0.00	PERIOD	ALL	
00008784								
400430.00000	3275720.00000	0.00210	50.11	50.11	0.00	PERIOD	ALL	
00008784								
400430.00000	3275820.00000	0.00197	52.22	52.22	0.00	PERIOD	ALL	
00008784								
400530.00000	3271820.00000	0.00182	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400530.00000	3271920.00000	0.00193	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400530.00000	3272020.00000	0.00205	26.52	26.52	0.00	PERIOD	ALL	
00008784								
400530.00000	3272120.00000	0.00217	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400530.00000	3272220.00000	0.00232	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400530.00000	3272320.00000	0.00249	25.10	25.10	0.00	PERIOD	ALL	
00008784								
400530.00000	3272420.00000	0.00266	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400530.00000	3272520.00000	0.00285	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400530.00000	3272620.00000	0.00304	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400530.00000	3272720.00000	0.00327	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400530.00000	3272820.00000	0.00341	25.30	25.30	0.00	PERIOD	ALL	
00008784								

HAFLBMAC.P04

400530.00000	3272920.00000	0.00353	26.62	26.62	0.00	PERIOD	ALL
00008784							
400530.00000	3273020.00000	0.00369	28.35	28.35	0.00	PERIOD	ALL
00008784							
400530.00000	3273120.00000	0.00393	31.39	31.39	0.00	PERIOD	ALL
00008784							
400530.00000	3273220.00000	0.00424	34.65	34.65	0.00	PERIOD	ALL
00008784							
400530.00000	3273320.00000	0.00447	36.37	36.37	0.00	PERIOD	ALL
00008784							
400530.00000	3273420.00000	0.00463	39.01	39.01	0.00	PERIOD	ALL
00008784							
400530.00000	3273520.00000	0.00482	41.35	41.35	0.00	PERIOD	ALL
00008784							
400530.00000	3273620.00000	0.00507	38.30	38.30	0.00	PERIOD	ALL
00008784							
400530.00000	3273720.00000	0.00546	32.61	32.61	0.00	PERIOD	ALL
00008784							
400530.00000	3273820.00000	0.00592	27.03	27.03	0.00	PERIOD	ALL
00008784							
400530.00000	3273920.00000	0.00655	26.82	26.82	0.00	PERIOD	ALL
00008784							
400530.00000	3274020.00000	0.00726	28.96	28.96	0.00	PERIOD	ALL
00008784							
400530.00000	3274120.00000	0.00771	29.67	29.67	0.00	PERIOD	ALL
00008784							
400530.00000	3274220.00000	0.00782	31.50	31.50	0.00	PERIOD	ALL
00008784							
400530.00000	3274320.00000	0.00752	33.83	33.83	0.00	PERIOD	ALL
00008784							
400530.00000	3274420.00000	0.00699	38.81	38.81	0.00	PERIOD	ALL
00008784							
400530.00000	3274520.00000	0.00613	42.47	42.47	0.00	PERIOD	ALL
00008784							
400530.00000	3274620.00000	0.00541	40.84	40.84	0.00	PERIOD	ALL
00008784							
400530.00000	3274720.00000	0.00466	43.48	43.48	0.00	PERIOD	ALL
00008784							
400530.00000	3274820.00000	0.00410	45.31	45.31	0.00	PERIOD	ALL
00008784							
400530.00000	3274920.00000	0.00365	48.77	48.77	0.00	PERIOD	ALL
00008784							
400530.00000	3275020.00000	0.00334	48.46	48.46	0.00	PERIOD	ALL
00008784							
400530.00000	3275120.00000	0.00309	46.84	46.84	0.00	PERIOD	ALL
00008784							
400530.00000	3275220.00000	0.00285	48.77	48.77	0.00	PERIOD	ALL
00008784							
400530.00000	3275320.00000	0.00267	47.96	47.96	0.00	PERIOD	ALL
00008784							
400530.00000	3275420.00000	0.00250	47.35	47.35	0.00	PERIOD	ALL
00008784							
400530.00000	3275520.00000	0.00234	49.07	49.07	0.00	PERIOD	ALL
00008784							
400530.00000	3275620.00000	0.00220	50.60	50.60	0.00	PERIOD	ALL
00008784							
400530.00000	3275720.00000	0.00208	49.38	49.38	0.00	PERIOD	ALL
00008784							
400530.00000	3275820.00000	0.00195	51.82	51.82	0.00	PERIOD	ALL
00008784							
400630.00000	3271820.00000	0.00181	25.30	25.30	0.00	PERIOD	ALL
00008784							
400630.00000	3271920.00000	0.00191	25.30	25.30	0.00	PERIOD	ALL

HAFLBMAC.P04

00008784								
400630.00000	3272020.00000	0.00202	25.51	25.51	0.00	PERIOD	ALL	
00008784								
400630.00000	3272120.00000	0.00214	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400630.00000	3272220.00000	0.00227	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400630.00000	3272320.00000	0.00241	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400630.00000	3272420.00000	0.00255	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400630.00000	3272520.00000	0.00269	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400630.00000	3272620.00000	0.00285	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400630.00000	3272720.00000	0.00296	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400630.00000	3272820.00000	0.00304	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400630.00000	3272920.00000	0.00314	25.48	25.48	0.00	PERIOD	ALL	
00008784								
400630.00000	3273020.00000	0.00328	26.10	26.10	0.00	PERIOD	ALL	
00008784								
400630.00000	3273120.00000	0.00350	30.99	30.99	0.00	PERIOD	ALL	
00008784								
400630.00000	3273220.00000	0.00381	36.40	36.40	0.00	PERIOD	ALL	
00008784								
400630.00000	3273320.00000	0.00395	38.96	38.96	0.00	PERIOD	ALL	
00008784								
400630.00000	3273420.00000	0.00408	41.25	41.25	0.00	PERIOD	ALL	
00008784								
400630.00000	3273520.00000	0.00421	42.63	42.63	0.00	PERIOD	ALL	
00008784								
400630.00000	3273620.00000	0.00455	39.64	39.64	0.00	PERIOD	ALL	
00008784								
400630.00000	3273720.00000	0.00487	34.24	34.24	0.00	PERIOD	ALL	
00008784								
400630.00000	3273820.00000	0.00525	29.30	29.30	0.00	PERIOD	ALL	
00008784								
400630.00000	3273920.00000	0.00572	26.82	26.82	0.00	PERIOD	ALL	
00008784								
400630.00000	3274020.00000	0.00624	26.82	26.82	0.00	PERIOD	ALL	
00008784								
400630.00000	3274120.00000	0.00668	28.18	28.18	0.00	PERIOD	ALL	
00008784								
400630.00000	3274220.00000	0.00689	30.49	30.49	0.00	PERIOD	ALL	
00008784								
400630.00000	3274320.00000	0.00684	34.44	34.44	0.00	PERIOD	ALL	
00008784								
400630.00000	3274420.00000	0.00655	39.76	39.76	0.00	PERIOD	ALL	
00008784								
400630.00000	3274520.00000	0.00586	42.37	42.37	0.00	PERIOD	ALL	
00008784								
400630.00000	3274620.00000	0.00518	42.47	42.47	0.00	PERIOD	ALL	
00008784								
400630.00000	3274720.00000	0.00451	45.00	45.00	0.00	PERIOD	ALL	
00008784								
400630.00000	3274820.00000	0.00393	49.20	49.20	0.00	PERIOD	ALL	
00008784								
400630.00000	3274920.00000	0.00353	49.78	49.78	0.00	PERIOD	ALL	
00008784								
400630.00000	3275020.00000	0.00323	48.77	48.77	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04						
400630.00000	3275120.00000	0.00296	50.17	50.17	0.00	PERIOD	ALL	
00008784								
400630.00000	3275220.00000	0.00276	49.38	49.38	0.00	PERIOD	ALL	
00008784								
400630.00000	3275320.00000	0.00260	47.98	47.98	0.00	PERIOD	ALL	
00008784								
400630.00000	3275420.00000	0.00244	48.30	48.30	0.00	PERIOD	ALL	
00008784								
400630.00000	3275520.00000	0.00229	49.28	49.28	0.00	PERIOD	ALL	
00008784								
400630.00000	3275620.00000	0.00217	49.20	49.20	0.00	PERIOD	ALL	
00008784								
400630.00000	3275720.00000	0.00206	47.98	47.98	0.00	PERIOD	ALL	
00008784								
400630.00000	3275820.00000	0.00195	48.97	48.97	0.00	PERIOD	ALL	
00008784								
400730.00000	3271820.00000	0.00180	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400730.00000	3271920.00000	0.00189	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400730.00000	3272020.00000	0.00199	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400730.00000	3272120.00000	0.00209	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400730.00000	3272220.00000	0.00220	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400730.00000	3272320.00000	0.00231	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400730.00000	3272420.00000	0.00241	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400730.00000	3272520.00000	0.00253	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400730.00000	3272620.00000	0.00261	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400730.00000	3272720.00000	0.00267	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400730.00000	3272820.00000	0.00274	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400730.00000	3272920.00000	0.00285	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400730.00000	3273020.00000	0.00299	28.58	28.58	0.00	PERIOD	ALL	
00008784								
400730.00000	3273120.00000	0.00322	33.73	33.73	0.00	PERIOD	ALL	
00008784								
400730.00000	3273220.00000	0.00339	37.01	37.01	0.00	PERIOD	ALL	
00008784								
400730.00000	3273320.00000	0.00351	39.86	39.86	0.00	PERIOD	ALL	
00008784								
400730.00000	3273420.00000	0.00360	43.48	43.48	0.00	PERIOD	ALL	
00008784								
400730.00000	3273520.00000	0.00375	44.49	44.49	0.00	PERIOD	ALL	
00008784								
400730.00000	3273620.00000	0.00410	41.58	41.58	0.00	PERIOD	ALL	
00008784								
400730.00000	3273720.00000	0.00445	38.00	38.00	0.00	PERIOD	ALL	
00008784								
400730.00000	3273820.00000	0.00477	33.93	33.93	0.00	PERIOD	ALL	
00008784								
400730.00000	3273920.00000	0.00515	30.96	30.96	0.00	PERIOD	ALL	
00008784								
400730.00000	3274020.00000	0.00556	29.26	29.26	0.00	PERIOD	ALL	
00008784								
400730.00000	3274120.00000	0.00595	30.36	30.36	0.00	PERIOD	ALL	

HAFBMAC.P04

00008784								
400730.00000	3274220.00000	0.00622	33.07	33.07	0.00	PERIOD	ALL	
00008784								
400730.00000	3274320.00000	0.00632	38.20	38.20	0.00	PERIOD	ALL	
00008784								
400730.00000	3274420.00000	0.00608	40.59	40.59	0.00	PERIOD	ALL	
00008784								
400730.00000	3274520.00000	0.00555	42.84	42.84	0.00	PERIOD	ALL	
00008784								
400730.00000	3274620.00000	0.00494	45.21	45.21	0.00	PERIOD	ALL	
00008784								
400730.00000	3274720.00000	0.00437	47.10	47.10	0.00	PERIOD	ALL	
00008784								
400730.00000	3274820.00000	0.00385	49.74	49.74	0.00	PERIOD	ALL	
00008784								
400730.00000	3274920.00000	0.00343	51.82	51.82	0.00	PERIOD	ALL	
00008784								
400730.00000	3275020.00000	0.00312	51.51	51.51	0.00	PERIOD	ALL	
00008784								
400730.00000	3275120.00000	0.00287	51.15	51.15	0.00	PERIOD	ALL	
00008784								
400730.00000	3275220.00000	0.00269	49.38	49.38	0.00	PERIOD	ALL	
00008784								
400730.00000	3275320.00000	0.00254	47.05	47.05	0.00	PERIOD	ALL	
00008784								
400730.00000	3275420.00000	0.00238	48.46	48.46	0.00	PERIOD	ALL	
00008784								
400730.00000	3275520.00000	0.00225	48.56	48.56	0.00	PERIOD	ALL	
00008784								
400730.00000	3275620.00000	0.00213	48.03	48.03	0.00	PERIOD	ALL	
00008784								
400730.00000	3275720.00000	0.00203	46.90	46.90	0.00	PERIOD	ALL	
00008784								
400730.00000	3275820.00000	0.00193	47.55	47.55	0.00	PERIOD	ALL	
00008784								
400830.00000	3271820.00000	0.00178	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400830.00000	3271920.00000	0.00186	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400830.00000	3272020.00000	0.00195	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400830.00000	3272120.00000	0.00203	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400830.00000	3272220.00000	0.00211	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400830.00000	3272320.00000	0.00220	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400830.00000	3272420.00000	0.00228	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400830.00000	3272520.00000	0.00234	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400830.00000	3272620.00000	0.00238	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400830.00000	3272720.00000	0.00243	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400830.00000	3272820.00000	0.00252	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400830.00000	3272920.00000	0.00259	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400830.00000	3273020.00000	0.00273	28.55	28.55	0.00	PERIOD	ALL	
00008784								
400830.00000	3273120.00000	0.00290	32.00	32.00	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04						
400830.00000	3273220.00000	0.00301	35.15	35.15	0.00	PERIOD	ALL	
00008784								
400830.00000	3273320.00000	0.00317	38.91	38.91	0.00	PERIOD	ALL	
00008784								
400830.00000	3273420.00000	0.00328	42.98	42.98	0.00	PERIOD	ALL	
00008784								
400830.00000	3273520.00000	0.00340	46.02	46.02	0.00	PERIOD	ALL	
00008784								
400830.00000	3273620.00000	0.00370	43.48	43.48	0.00	PERIOD	ALL	
00008784								
400830.00000	3273720.00000	0.00407	41.15	41.15	0.00	PERIOD	ALL	
00008784								
400830.00000	3273820.00000	0.00438	38.00	38.00	0.00	PERIOD	ALL	
00008784								
400830.00000	3273920.00000	0.00469	34.75	34.75	0.00	PERIOD	ALL	
00008784								
400830.00000	3274020.00000	0.00501	32.00	32.00	0.00	PERIOD	ALL	
00008784								
400830.00000	3274120.00000	0.00535	32.41	32.41	0.00	PERIOD	ALL	
00008784								
400830.00000	3274220.00000	0.00566	36.27	36.27	0.00	PERIOD	ALL	
00008784								
400830.00000	3274320.00000	0.00577	39.32	39.32	0.00	PERIOD	ALL	
00008784								
400830.00000	3274420.00000	0.00561	40.34	40.34	0.00	PERIOD	ALL	
00008784								
400830.00000	3274520.00000	0.00524	42.67	42.67	0.00	PERIOD	ALL	
00008784								
400830.00000	3274620.00000	0.00475	45.72	45.72	0.00	PERIOD	ALL	
00008784								
400830.00000	3274720.00000	0.00425	47.65	47.65	0.00	PERIOD	ALL	
00008784								
400830.00000	3274820.00000	0.00379	48.67	48.67	0.00	PERIOD	ALL	
00008784								
400830.00000	3274920.00000	0.00339	49.99	49.99	0.00	PERIOD	ALL	
00008784								
400830.00000	3275020.00000	0.00306	51.31	51.31	0.00	PERIOD	ALL	
00008784								
400830.00000	3275120.00000	0.00280	51.71	51.71	0.00	PERIOD	ALL	
00008784								
400830.00000	3275220.00000	0.00261	50.29	50.29	0.00	PERIOD	ALL	
00008784								
400830.00000	3275320.00000	0.00248	46.53	46.53	0.00	PERIOD	ALL	
00008784								
400830.00000	3275420.00000	0.00233	46.84	46.84	0.00	PERIOD	ALL	
00008784								
400830.00000	3275520.00000	0.00218	50.29	50.29	0.00	PERIOD	ALL	
00008784								
400830.00000	3275620.00000	0.00210	46.94	46.94	0.00	PERIOD	ALL	
00008784								
400830.00000	3275720.00000	0.00201	45.11	45.11	0.00	PERIOD	ALL	
00008784								
400830.00000	3275820.00000	0.00190	47.55	47.55	0.00	PERIOD	ALL	
00008784								
400930.00000	3271820.00000	0.00176	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400930.00000	3271920.00000	0.00182	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400930.00000	3272020.00000	0.00189	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400930.00000	3272120.00000	0.00195	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400930.00000	3272220.00000	0.00202	25.30	25.30	0.00	PERIOD	ALL	

HAFBMAC.P04

00008784								
400930.00000	3272320.00000	0.00208	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400930.00000	3272420.00000	0.00212	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400930.00000	3272520.00000	0.00216	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400930.00000	3272620.00000	0.00219	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400930.00000	3272720.00000	0.00226	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400930.00000	3272820.00000	0.00231	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400930.00000	3272920.00000	0.00238	25.30	25.30	0.00	PERIOD	ALL	
00008784								
400930.00000	3273020.00000	0.00250	26.02	26.02	0.00	PERIOD	ALL	
00008784								
400930.00000	3273120.00000	0.00264	31.80	31.80	0.00	PERIOD	ALL	
00008784								
400930.00000	3273220.00000	0.00276	36.27	36.27	0.00	PERIOD	ALL	
00008784								
400930.00000	3273320.00000	0.00292	39.30	39.30	0.00	PERIOD	ALL	
00008784								
400930.00000	3273420.00000	0.00302	42.77	42.77	0.00	PERIOD	ALL	
00008784								
400930.00000	3273520.00000	0.00317	43.75	43.75	0.00	PERIOD	ALL	
00008784								
400930.00000	3273620.00000	0.00345	41.33	41.33	0.00	PERIOD	ALL	
00008784								
400930.00000	3273720.00000	0.00373	40.84	40.84	0.00	PERIOD	ALL	
00008784								
400930.00000	3273820.00000	0.00403	40.04	40.04	0.00	PERIOD	ALL	
00008784								
400930.00000	3273920.00000	0.00429	37.33	37.33	0.00	PERIOD	ALL	
00008784								
400930.00000	3274020.00000	0.00454	33.63	33.63	0.00	PERIOD	ALL	
00008784								
400930.00000	3274120.00000	0.00475	29.55	29.55	0.00	PERIOD	ALL	
00008784								
400930.00000	3274220.00000	0.00498	30.87	32.31	0.00	PERIOD	ALL	
00008784								
400930.00000	3274320.00000	0.00509	32.82	33.83	0.00	PERIOD	ALL	
00008784								
400930.00000	3274420.00000	0.00511	37.23	37.23	0.00	PERIOD	ALL	
00008784								
400930.00000	3274520.00000	0.00495	40.76	40.76	0.00	PERIOD	ALL	
00008784								
400930.00000	3274620.00000	0.00457	43.89	43.89	0.00	PERIOD	ALL	
00008784								
400930.00000	3274720.00000	0.00416	45.29	45.29	0.00	PERIOD	ALL	
00008784								
400930.00000	3274820.00000	0.00375	46.14	46.14	0.00	PERIOD	ALL	
00008784								
400930.00000	3274920.00000	0.00338	46.94	46.94	0.00	PERIOD	ALL	
00008784								
400930.00000	3275020.00000	0.00305	47.73	47.73	0.00	PERIOD	ALL	
00008784								
400930.00000	3275120.00000	0.00279	48.39	48.39	0.00	PERIOD	ALL	
00008784								
400930.00000	3275220.00000	0.00258	47.96	47.96	0.00	PERIOD	ALL	
00008784								
400930.00000	3275320.00000	0.00244	45.21	45.21	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04					
400930.00000	3275420.00000	0.00230	44.36	44.36	0.00	PERIOD	ALL
00008784							
400930.00000	3275520.00000	0.00217	45.52	45.52	0.00	PERIOD	ALL
00008784							
400930.00000	3275620.00000	0.00208	43.77	43.77	0.00	PERIOD	ALL
00008784							
400930.00000	3275720.00000	0.00197	45.04	45.04	0.00	PERIOD	ALL
00008784							
400930.00000	3275820.00000	0.00186	48.67	48.67	0.00	PERIOD	ALL
00008784							
401030.00000	3271820.00000	0.00171	25.17	25.17	0.00	PERIOD	ALL
00008784							
401030.00000	3271920.00000	0.00177	25.30	25.30	0.00	PERIOD	ALL
00008784							
401030.00000	3272020.00000	0.00182	25.30	25.30	0.00	PERIOD	ALL
00008784							
401030.00000	3272120.00000	0.00187	25.30	25.30	0.00	PERIOD	ALL
00008784							
401030.00000	3272220.00000	0.00191	25.30	25.30	0.00	PERIOD	ALL
00008784							
401030.00000	3272320.00000	0.00195	25.30	25.30	0.00	PERIOD	ALL
00008784							
401030.00000	3272420.00000	0.00197	25.30	25.30	0.00	PERIOD	ALL
00008784							
401030.00000	3272520.00000	0.00200	25.30	25.30	0.00	PERIOD	ALL
00008784							
401030.00000	3272620.00000	0.00205	25.30	25.30	0.00	PERIOD	ALL
00008784							
401030.00000	3272720.00000	0.00209	25.30	25.30	0.00	PERIOD	ALL
00008784							
401030.00000	3272820.00000	0.00214	25.30	25.30	0.00	PERIOD	ALL
00008784							
401030.00000	3272920.00000	0.00222	25.30	25.30	0.00	PERIOD	ALL
00008784							
401030.00000	3273020.00000	0.00231	25.48	25.48	0.00	PERIOD	ALL
00008784							
401030.00000	3273120.00000	0.00241	30.18	30.18	0.00	PERIOD	ALL
00008784							
401030.00000	3273220.00000	0.00254	35.19	35.19	0.00	PERIOD	ALL
00008784							
401030.00000	3273320.00000	0.00268	38.04	38.04	0.00	PERIOD	ALL
00008784							
401030.00000	3273420.00000	0.00284	40.74	40.74	0.00	PERIOD	ALL
00008784							
401030.00000	3273520.00000	0.00301	40.66	40.66	0.00	PERIOD	ALL
00008784							
401030.00000	3273620.00000	0.00318	38.31	38.31	0.00	PERIOD	ALL
00008784							
401030.00000	3273720.00000	0.00340	37.59	37.59	0.00	PERIOD	ALL
00008784							
401030.00000	3273820.00000	0.00364	37.77	37.77	0.00	PERIOD	ALL
00008784							
401030.00000	3273920.00000	0.00391	37.68	37.68	0.00	PERIOD	ALL
00008784							
401030.00000	3274020.00000	0.00411	33.43	33.43	0.00	PERIOD	ALL
00008784							
401030.00000	3274120.00000	0.00428	28.42	28.42	0.00	PERIOD	ALL
00008784							
401030.00000	3274220.00000	0.00447	28.35	28.35	0.00	PERIOD	ALL
00008784							
401030.00000	3274320.00000	0.00457	28.35	28.35	0.00	PERIOD	ALL
00008784							
401030.00000	3274420.00000	0.00457	29.80	29.80	0.00	PERIOD	ALL

HAFLBMAC.P04

00008784								
401030.00000	3274520.00000	0.00456	36.65	36.65	0.00	PERIOD	ALL	
00008784								
401030.00000	3274620.00000	0.00438	40.13	40.13	0.00	PERIOD	ALL	
00008784								
401030.00000	3274720.00000	0.00405	42.08	42.08	0.00	PERIOD	ALL	
00008784								
401030.00000	3274820.00000	0.00370	43.05	43.05	0.00	PERIOD	ALL	
00008784								
401030.00000	3274920.00000	0.00334	44.91	44.91	0.00	PERIOD	ALL	
00008784								
401030.00000	3275020.00000	0.00304	45.42	45.42	0.00	PERIOD	ALL	
00008784								
401030.00000	3275120.00000	0.00279	45.13	45.13	0.00	PERIOD	ALL	
00008784								
401030.00000	3275220.00000	0.00258	44.40	44.40	0.00	PERIOD	ALL	
00008784								
401030.00000	3275320.00000	0.00243	42.91	42.91	0.00	PERIOD	ALL	
00008784								
401030.00000	3275420.00000	0.00230	41.11	41.11	0.00	PERIOD	ALL	
00008784								
401030.00000	3275520.00000	0.00218	40.44	40.44	0.00	PERIOD	ALL	
00008784								
401030.00000	3275620.00000	0.00207	40.82	40.82	0.00	PERIOD	ALL	
00008784								
401030.00000	3275720.00000	0.00193	44.85	44.85	0.00	PERIOD	ALL	
00008784								
401030.00000	3275820.00000	0.00182	48.87	48.87	0.00	PERIOD	ALL	
00008784								
401130.00000	3271820.00000	0.00167	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401130.00000	3271920.00000	0.00171	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401130.00000	3272020.00000	0.00175	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401130.00000	3272120.00000	0.00178	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401130.00000	3272220.00000	0.00180	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401130.00000	3272320.00000	0.00182	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401130.00000	3272420.00000	0.00184	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401130.00000	3272520.00000	0.00188	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401130.00000	3272620.00000	0.00191	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401130.00000	3272720.00000	0.00195	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401130.00000	3272820.00000	0.00200	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401130.00000	3272920.00000	0.00208	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401130.00000	3273020.00000	0.00214	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401130.00000	3273120.00000	0.00222	27.74	27.74	0.00	PERIOD	ALL	
00008784								
401130.00000	3273220.00000	0.00235	33.43	33.43	0.00	PERIOD	ALL	
00008784								
401130.00000	3273320.00000	0.00249	37.19	37.19	0.00	PERIOD	ALL	
00008784								
401130.00000	3273420.00000	0.00263	38.40	38.40	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04						
401130.00000	3273520.00000	0.00277	37.39	37.39	0.00	PERIOD	ALL	
00008784								
401130.00000	3273620.00000	0.00291	35.15	35.15	0.00	PERIOD	ALL	
00008784								
401130.00000	3273720.00000	0.00308	33.22	33.22	0.00	PERIOD	ALL	
00008784								
401130.00000	3273820.00000	0.00329	33.32	33.32	0.00	PERIOD	ALL	
00008784								
401130.00000	3273920.00000	0.00353	34.54	34.54	0.00	PERIOD	ALL	
00008784								
401130.00000	3274020.00000	0.00374	32.31	32.31	0.00	PERIOD	ALL	
00008784								
401130.00000	3274120.00000	0.00390	28.35	28.35	0.00	PERIOD	ALL	
00008784								
401130.00000	3274220.00000	0.00409	28.35	28.35	0.00	PERIOD	ALL	
00008784								
401130.00000	3274320.00000	0.00420	28.35	28.35	0.00	PERIOD	ALL	
00008784								
401130.00000	3274420.00000	0.00421	28.45	28.45	0.00	PERIOD	ALL	
00008784								
401130.00000	3274520.00000	0.00418	31.39	31.39	0.00	PERIOD	ALL	
00008784								
401130.00000	3274620.00000	0.00405	34.44	34.44	0.00	PERIOD	ALL	
00008784								
401130.00000	3274720.00000	0.00387	38.10	38.10	0.00	PERIOD	ALL	
00008784								
401130.00000	3274820.00000	0.00360	42.27	42.27	0.00	PERIOD	ALL	
00008784								
401130.00000	3274920.00000	0.00326	46.02	46.02	0.00	PERIOD	ALL	
00008784								
401130.00000	3275020.00000	0.00301	44.09	44.09	0.00	PERIOD	ALL	
00008784								
401130.00000	3275120.00000	0.00282	40.64	40.64	0.00	PERIOD	ALL	
00008784								
401130.00000	3275220.00000	0.00260	39.62	39.62	0.00	PERIOD	ALL	
00008784								
401130.00000	3275320.00000	0.00239	36.98	36.98	0.00	PERIOD	ALL	
00008784								
401130.00000	3275420.00000	0.00222	35.56	35.56	0.00	PERIOD	ALL	
00008784								
401130.00000	3275520.00000	0.00210	35.97	35.97	0.00	PERIOD	ALL	
00008784								
401130.00000	3275620.00000	0.00202	39.52	39.52	0.00	PERIOD	ALL	
00008784								
401130.00000	3275720.00000	0.00190	43.38	43.38	0.00	PERIOD	ALL	
00008784								
401130.00000	3275820.00000	0.00180	46.33	46.33	0.00	PERIOD	ALL	
00008784								
401230.00000	3271820.00000	0.00161	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401230.00000	3271920.00000	0.00164	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401230.00000	3272020.00000	0.00167	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401230.00000	3272120.00000	0.00169	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401230.00000	3272220.00000	0.00170	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401230.00000	3272320.00000	0.00172	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401230.00000	3272420.00000	0.00174	25.89	25.89	0.00	PERIOD	ALL	
00008784								
401230.00000	3272520.00000	0.00178	27.43	27.43	0.00	PERIOD	ALL	

HAFLBMAC.P04

00008784								
401230.00000	3272620.00000	0.00180	26.28	26.28	0.00	PERIOD	ALL	
00008784								
401230.00000	3272720.00000	0.00184	26.28	26.28	0.00	PERIOD	ALL	
00008784								
401230.00000	3272820.00000	0.00190	26.01	26.01	0.00	PERIOD	ALL	
00008784								
401230.00000	3272920.00000	0.00195	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401230.00000	3273020.00000	0.00201	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401230.00000	3273120.00000	0.00207	26.21	26.21	0.00	PERIOD	ALL	
00008784								
401230.00000	3273220.00000	0.00220	32.45	32.45	0.00	PERIOD	ALL	
00008784								
401230.00000	3273320.00000	0.00233	36.08	36.08	0.00	PERIOD	ALL	
00008784								
401230.00000	3273420.00000	0.00245	36.68	36.68	0.00	PERIOD	ALL	
00008784								
401230.00000	3273520.00000	0.00255	33.58	33.58	0.00	PERIOD	ALL	
00008784								
401230.00000	3273620.00000	0.00268	31.81	31.81	0.00	PERIOD	ALL	
00008784								
401230.00000	3273720.00000	0.00283	30.07	30.07	0.00	PERIOD	ALL	
00008784								
401230.00000	3273820.00000	0.00300	29.75	29.75	0.00	PERIOD	ALL	
00008784								
401230.00000	3273920.00000	0.00323	31.95	31.95	0.00	PERIOD	ALL	
00008784								
401230.00000	3274020.00000	0.00345	32.92	32.92	0.00	PERIOD	ALL	
00008784								
401230.00000	3274120.00000	0.00359	28.35	28.35	0.00	PERIOD	ALL	
00008784								
401230.00000	3274220.00000	0.00376	28.35	28.35	0.00	PERIOD	ALL	
00008784								
401230.00000	3274320.00000	0.00387	28.35	28.35	0.00	PERIOD	ALL	
00008784								
401230.00000	3274420.00000	0.00391	28.35	28.35	0.00	PERIOD	ALL	
00008784								
401230.00000	3274520.00000	0.00389	29.83	29.83	0.00	PERIOD	ALL	
00008784								
401230.00000	3274620.00000	0.00386	36.07	36.07	0.00	PERIOD	ALL	
00008784								
401230.00000	3274720.00000	0.00373	40.50	40.50	0.00	PERIOD	ALL	
00008784								
401230.00000	3274820.00000	0.00347	42.77	42.77	0.00	PERIOD	ALL	
00008784								
401230.00000	3274920.00000	0.00320	44.60	44.60	0.00	PERIOD	ALL	
00008784								
401230.00000	3275020.00000	0.00294	44.97	44.97	0.00	PERIOD	ALL	
00008784								
401230.00000	3275120.00000	0.00277	41.04	41.04	0.00	PERIOD	ALL	
00008784								
401230.00000	3275220.00000	0.00250	34.04	34.04	0.00	PERIOD	ALL	
00008784								
401230.00000	3275320.00000	0.00232	32.92	32.92	0.00	PERIOD	ALL	
00008784								
401230.00000	3275420.00000	0.00217	32.92	32.92	0.00	PERIOD	ALL	
00008784								
401230.00000	3275520.00000	0.00204	32.92	32.92	0.00	PERIOD	ALL	
00008784								
401230.00000	3275620.00000	0.00197	37.67	37.67	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04					
401230.00000	3275720.00000	0.00189	39.98	39.98	0.00	PERIOD	ALL
00008784							
401230.00000	3275820.00000	0.00180	41.55	41.55	0.00	PERIOD	ALL
00008784							
401330.00000	3271820.00000	0.00155	25.30	25.30	0.00	PERIOD	ALL
00008784							
401330.00000	3271920.00000	0.00157	25.30	25.30	0.00	PERIOD	ALL
00008784							
401330.00000	3272020.00000	0.00159	25.30	25.30	0.00	PERIOD	ALL
00008784							
401330.00000	3272120.00000	0.00160	25.30	25.30	0.00	PERIOD	ALL
00008784							
401330.00000	3272220.00000	0.00161	25.30	25.30	0.00	PERIOD	ALL
00008784							
401330.00000	3272320.00000	0.00162	25.30	25.30	0.00	PERIOD	ALL
00008784							
401330.00000	3272420.00000	0.00165	25.42	25.42	0.00	PERIOD	ALL
00008784							
401330.00000	3272520.00000	0.00168	26.72	26.72	0.00	PERIOD	ALL
00008784							
401330.00000	3272620.00000	0.00170	26.12	26.12	0.00	PERIOD	ALL
00008784							
401330.00000	3272720.00000	0.00176	28.39	28.39	0.00	PERIOD	ALL
00008784							
401330.00000	3272820.00000	0.00181	27.94	27.94	0.00	PERIOD	ALL
00008784							
401330.00000	3272920.00000	0.00185	26.21	26.21	0.00	PERIOD	ALL
00008784							
401330.00000	3273020.00000	0.00190	26.10	26.10	0.00	PERIOD	ALL
00008784							
401330.00000	3273120.00000	0.00200	31.29	31.29	0.00	PERIOD	ALL
00008784							
401330.00000	3273220.00000	0.00209	33.64	33.64	0.00	PERIOD	ALL
00008784							
401330.00000	3273320.00000	0.00219	34.53	34.53	0.00	PERIOD	ALL
00008784							
401330.00000	3273420.00000	0.00229	34.14	34.14	0.00	PERIOD	ALL
00008784							
401330.00000	3273520.00000	0.00238	31.03	31.03	0.00	PERIOD	ALL
00008784							
401330.00000	3273620.00000	0.00248	27.95	27.95	0.00	PERIOD	ALL
00008784							
401330.00000	3273720.00000	0.00261	26.82	26.82	0.00	PERIOD	ALL
00008784							
401330.00000	3273820.00000	0.00277	26.93	26.93	0.00	PERIOD	ALL
00008784							
401330.00000	3273920.00000	0.00296	28.94	28.94	0.00	PERIOD	ALL
00008784							
401330.00000	3274020.00000	0.00316	30.99	30.99	0.00	PERIOD	ALL
00008784							
401330.00000	3274120.00000	0.00333	29.65	29.65	0.00	PERIOD	ALL
00008784							
401330.00000	3274220.00000	0.00347	28.35	28.35	0.00	PERIOD	ALL
00008784							
401330.00000	3274320.00000	0.00358	28.35	28.35	0.00	PERIOD	ALL
00008784							
401330.00000	3274420.00000	0.00363	28.35	28.35	0.00	PERIOD	ALL
00008784							
401330.00000	3274520.00000	0.00365	30.19	30.19	0.00	PERIOD	ALL
00008784							
401330.00000	3274620.00000	0.00363	35.05	35.05	0.00	PERIOD	ALL
00008784							
401330.00000	3274720.00000	0.00354	38.79	38.79	0.00	PERIOD	ALL

HAFBMAC.P04

00008784								
401330.00000	3274820.00000	0.00335	38.75	38.75	0.00	PERIOD	ALL	
00008784								
401330.00000	3274920.00000	0.00311	37.19	42.37	0.00	PERIOD	ALL	
00008784								
401330.00000	3275020.00000	0.00293	39.99	39.99	0.00	PERIOD	ALL	
00008784								
401330.00000	3275120.00000	0.00270	38.22	38.22	0.00	PERIOD	ALL	
00008784								
401330.00000	3275220.00000	0.00247	34.34	34.34	0.00	PERIOD	ALL	
00008784								
401330.00000	3275320.00000	0.00229	32.92	32.92	0.00	PERIOD	ALL	
00008784								
401330.00000	3275420.00000	0.00214	32.92	32.92	0.00	PERIOD	ALL	
00008784								
401330.00000	3275520.00000	0.00201	32.92	32.92	0.00	PERIOD	ALL	
00008784								
401330.00000	3275620.00000	0.00190	33.51	33.51	0.00	PERIOD	ALL	
00008784								
401330.00000	3275720.00000	0.00183	36.13	36.13	0.00	PERIOD	ALL	
00008784								
401330.00000	3275820.00000	0.00176	38.30	38.30	0.00	PERIOD	ALL	
00008784								
401430.00000	3271820.00000	0.00148	25.20	25.20	0.00	PERIOD	ALL	
00008784								
401430.00000	3271920.00000	0.00149	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401430.00000	3272020.00000	0.00151	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401430.00000	3272120.00000	0.00152	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401430.00000	3272220.00000	0.00153	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401430.00000	3272320.00000	0.00154	25.30	25.30	0.00	PERIOD	ALL	
00008784								
401430.00000	3272420.00000	0.00157	27.53	27.53	0.00	PERIOD	ALL	
00008784								
401430.00000	3272520.00000	0.00160	27.43	27.43	0.00	PERIOD	ALL	
00008784								
401430.00000	3272620.00000	0.00163	27.84	27.84	0.00	PERIOD	ALL	
00008784								
401430.00000	3272720.00000	0.00168	27.94	27.94	0.00	PERIOD	ALL	
00008784								
401430.00000	3272820.00000	0.00172	26.21	26.21	0.00	PERIOD	ALL	
00008784								
401430.00000	3272920.00000	0.00178	28.65	28.65	0.00	PERIOD	ALL	
00008784								
401430.00000	3273020.00000	0.00185	32.00	32.00	0.00	PERIOD	ALL	
00008784								
401430.00000	3273120.00000	0.00193	34.14	34.14	0.00	PERIOD	ALL	
00008784								
401430.00000	3273220.00000	0.00202	36.58	36.58	0.00	PERIOD	ALL	
00008784								
401430.00000	3273320.00000	0.00209	36.07	36.07	0.00	PERIOD	ALL	
00008784								
401430.00000	3273420.00000	0.00215	32.31	32.31	0.00	PERIOD	ALL	
00008784								
401430.00000	3273520.00000	0.00223	29.16	29.16	0.00	PERIOD	ALL	
00008784								
401430.00000	3273620.00000	0.00233	26.82	26.82	0.00	PERIOD	ALL	
00008784								
401430.00000	3273720.00000	0.00246	26.82	26.82	0.00	PERIOD	ALL	
00008784								

HAFBMAC.P04

401430.00000	3273820.00000	0.00259	26.82	26.82	0.00	PERIOD	ALL
00008784							
401430.00000	3273920.00000	0.00274	26.82	26.82	0.00	PERIOD	ALL
00008784							
401430.00000	3274020.00000	0.00293	30.48	30.48	0.00	PERIOD	ALL
00008784							
401430.00000	3274120.00000	0.00312	32.41	32.41	0.00	PERIOD	ALL
00008784							
401430.00000	3274220.00000	0.00322	28.55	28.55	0.00	PERIOD	ALL
00008784							
401430.00000	3274320.00000	0.00333	28.65	28.65	0.00	PERIOD	ALL
00008784							
401430.00000	3274420.00000	0.00344	32.21	32.21	0.00	PERIOD	ALL
00008784							
401430.00000	3274520.00000	0.00347	34.14	34.14	0.00	PERIOD	ALL
00008784							
401430.00000	3274620.00000	0.00344	35.36	35.36	0.00	PERIOD	ALL
00008784							
401430.00000	3274720.00000	0.00330	33.83	33.83	0.00	PERIOD	ALL
00008784							
401430.00000	3274820.00000	0.00311	30.58	30.58	0.00	PERIOD	ALL
00008784							
401430.00000	3274920.00000	0.00293	29.87	29.87	0.00	PERIOD	ALL
00008784							
401430.00000	3275020.00000	0.00275	30.48	30.48	0.00	PERIOD	ALL
00008784							
401430.00000	3275120.00000	0.00263	37.39	37.39	0.00	PERIOD	ALL
00008784							
401430.00000	3275220.00000	0.00247	38.71	38.71	0.00	PERIOD	ALL
00008784							
401430.00000	3275320.00000	0.00226	34.04	34.04	0.00	PERIOD	ALL
00008784							
401430.00000	3275420.00000	0.00211	32.92	32.92	0.00	PERIOD	ALL
00008784							
401430.00000	3275520.00000	0.00198	32.92	32.92	0.00	PERIOD	ALL
00008784							
401430.00000	3275620.00000	0.00188	33.63	33.63	0.00	PERIOD	ALL
00008784							
401430.00000	3275720.00000	0.00180	35.56	35.56	0.00	PERIOD	ALL
00008784							
401430.00000	3275820.00000	0.00172	36.27	36.27	0.00	PERIOD	ALL
00008784							
401530.00000	3271820.00000	0.00141	25.30	25.30	0.00	PERIOD	ALL
00008784							
401530.00000	3271920.00000	0.00142	25.30	25.30	0.00	PERIOD	ALL
00008784							
401530.00000	3272020.00000	0.00143	25.30	25.30	0.00	PERIOD	ALL
00008784							
401530.00000	3272120.00000	0.00145	26.10	26.10	0.00	PERIOD	ALL
00008784							
401530.00000	3272220.00000	0.00146	26.62	26.62	0.00	PERIOD	ALL
00008784							
401530.00000	3272320.00000	0.00148	27.50	27.50	0.00	PERIOD	ALL
00008784							
401530.00000	3272420.00000	0.00151	29.75	29.75	0.00	PERIOD	ALL
00008784							
401530.00000	3272520.00000	0.00154	29.87	29.87	0.00	PERIOD	ALL
00008784							
401530.00000	3272620.00000	0.00158	30.01	30.01	0.00	PERIOD	ALL
00008784							
401530.00000	3272720.00000	0.00161	27.86	27.86	0.00	PERIOD	ALL
00008784							
401530.00000	3272820.00000	0.00165	26.82	26.82	0.00	PERIOD	ALL

HAFBMAC.P04

00008784								
401530.00000	3272920.00000	0.00170	28.60	28.60	0.00	PERIOD	ALL	
00008784								
401530.00000	3273020.00000	0.00177	31.79	31.79	0.00	PERIOD	ALL	
00008784								
401530.00000	3273120.00000	0.00184	33.73	33.73	0.00	PERIOD	ALL	
00008784								
401530.00000	3273220.00000	0.00193	36.63	36.63	0.00	PERIOD	ALL	
00008784								
401530.00000	3273320.00000	0.00201	37.19	37.19	0.00	PERIOD	ALL	
00008784								
401530.00000	3273420.00000	0.00207	34.54	34.54	0.00	PERIOD	ALL	
00008784								
401530.00000	3273520.00000	0.00212	29.32	29.32	0.00	PERIOD	ALL	
00008784								
401530.00000	3273620.00000	0.00221	26.82	26.82	0.00	PERIOD	ALL	
00008784								
401530.00000	3273720.00000	0.00232	26.82	26.82	0.00	PERIOD	ALL	
00008784								
401530.00000	3273820.00000	0.00244	26.82	26.82	0.00	PERIOD	ALL	
00008784								
401530.00000	3273920.00000	0.00257	26.89	26.89	0.00	PERIOD	ALL	
00008784								
401530.00000	3274020.00000	0.00275	31.39	31.39	0.00	PERIOD	ALL	
00008784								
401530.00000	3274120.00000	0.00296	36.52	36.52	0.00	PERIOD	ALL	
00008784								
401530.00000	3274220.00000	0.00311	37.10	37.10	0.00	PERIOD	ALL	
00008784								
401530.00000	3274320.00000	0.00320	36.17	36.17	0.00	PERIOD	ALL	
00008784								
401530.00000	3274420.00000	0.00327	36.27	36.27	0.00	PERIOD	ALL	
00008784								
401530.00000	3274520.00000	0.00333	38.81	38.81	0.00	PERIOD	ALL	
00008784								
401530.00000	3274620.00000	0.00326	36.58	36.58	0.00	PERIOD	ALL	
00008784								
401530.00000	3274720.00000	0.00310	30.38	30.38	0.00	PERIOD	ALL	
00008784								
401530.00000	3274820.00000	0.00298	29.87	29.87	0.00	PERIOD	ALL	
00008784								
401530.00000	3274920.00000	0.00283	29.87	29.87	0.00	PERIOD	ALL	
00008784								
401530.00000	3275020.00000	0.00267	29.87	29.87	0.00	PERIOD	ALL	
00008784								
401530.00000	3275120.00000	0.00256	35.83	35.83	0.00	PERIOD	ALL	
00008784								
401530.00000	3275220.00000	0.00242	38.30	38.30	0.00	PERIOD	ALL	
00008784								
401530.00000	3275320.00000	0.00225	35.87	35.87	0.00	PERIOD	ALL	
00008784								
401530.00000	3275420.00000	0.00210	35.41	35.41	0.00	PERIOD	ALL	
00008784								
401530.00000	3275520.00000	0.00196	33.22	33.22	0.00	PERIOD	ALL	
00008784								
401530.00000	3275620.00000	0.00185	32.92	32.92	0.00	PERIOD	ALL	
00008784								
401530.00000	3275720.00000	0.00176	32.99	37.19	0.00	PERIOD	ALL	
00008784								
401530.00000	3275820.00000	0.00172	39.83	39.83	0.00	PERIOD	ALL	
00008784								
397530.00000	3276320.00000	0.00097	29.87	29.87	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04						
397530.00000	3276820.00000	0.00083	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397530.00000	3277320.00000	0.00073	30.48	30.48	0.00	PERIOD	ALL	
00008784								
397530.00000	3277820.00000	0.00065	31.29	31.29	0.00	PERIOD	ALL	
00008784								
398030.00000	3276320.00000	0.00103	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398030.00000	3276820.00000	0.00086	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398030.00000	3277320.00000	0.00075	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398030.00000	3277820.00000	0.00067	31.64	31.64	0.00	PERIOD	ALL	
00008784								
398530.00000	3276320.00000	0.00108	29.64	29.64	0.00	PERIOD	ALL	
00008784								
398530.00000	3276820.00000	0.00090	29.87	29.87	0.00	PERIOD	ALL	
00008784								
398530.00000	3277320.00000	0.00078	30.48	30.48	0.00	PERIOD	ALL	
00008784								
398530.00000	3277820.00000	0.00072	40.90	40.90	0.00	PERIOD	ALL	
00008784								
399030.00000	3276320.00000	0.00114	29.87	29.87	0.00	PERIOD	ALL	
00008784								
399030.00000	3276820.00000	0.00093	30.18	30.18	0.00	PERIOD	ALL	
00008784								
399030.00000	3277320.00000	0.00081	42.37	42.37	0.00	PERIOD	ALL	
00008784								
399030.00000	3277820.00000	0.00070	44.09	44.09	0.00	PERIOD	ALL	
00008784								
399530.00000	3276320.00000	0.00127	44.24	44.24	0.00	PERIOD	ALL	
00008784								
399530.00000	3276820.00000	0.00104	42.09	42.09	0.00	PERIOD	ALL	
00008784								
399530.00000	3277320.00000	0.00084	47.24	47.24	0.00	PERIOD	ALL	
00008784								
399530.00000	3277820.00000	0.00074	43.09	43.09	0.00	PERIOD	ALL	
00008784								
400030.00000	3276320.00000	0.00145	49.63	49.63	0.00	PERIOD	ALL	
00008784								
400030.00000	3276820.00000	0.00115	52.61	52.61	0.00	PERIOD	ALL	
00008784								
400030.00000	3277320.00000	0.00096	53.34	53.34	0.00	PERIOD	ALL	
00008784								
400030.00000	3277820.00000	0.00082	54.00	54.00	0.00	PERIOD	ALL	
00008784								
400530.00000	3276320.00000	0.00151	52.32	52.32	0.00	PERIOD	ALL	
00008784								
400530.00000	3276820.00000	0.00122	52.63	52.63	0.00	PERIOD	ALL	
00008784								
400530.00000	3277320.00000	0.00102	53.04	53.04	0.00	PERIOD	ALL	
00008784								
400530.00000	3277820.00000	0.00088	53.85	53.85	0.00	PERIOD	ALL	
00008784								
401030.00000	3276320.00000	0.00147	55.29	55.29	0.00	PERIOD	ALL	
00008784								
401030.00000	3276820.00000	0.00122	51.05	51.05	0.00	PERIOD	ALL	
00008784								
401030.00000	3277320.00000	0.00103	52.02	52.02	0.00	PERIOD	ALL	
00008784								
401030.00000	3277820.00000	0.00091	44.97	44.97	0.00	PERIOD	ALL	
00008784								
401530.00000	3276320.00000	0.00135	58.52	58.52	0.00	PERIOD	ALL	

HAFBMAC.P04

00008784								
401530.00000	3276820.00000	0.00119	63.95	63.95	0.00	PERIOD	ALL	
00008784								
401530.00000	3277320.00000	0.00105	45.72	45.72	0.00	PERIOD	ALL	
00008784								
401530.00000	3277820.00000	0.00090	32.54	32.54	0.00	PERIOD	ALL	
00008784								
402030.00000	3276320.00000	0.00125	52.22	52.22	0.00	PERIOD	ALL	
00008784								
402030.00000	3276820.00000	0.00109	55.68	55.68	0.00	PERIOD	ALL	
00008784								
402030.00000	3277320.00000	0.00101	48.16	48.16	0.00	PERIOD	ALL	
00008784								
402030.00000	3277820.00000	0.00090	29.87	29.87	0.00	PERIOD	ALL	
00008784								
402530.00000	3276320.00000	0.00123	35.95	35.95	0.00	PERIOD	ALL	
00008784								
402530.00000	3276820.00000	0.00106	42.88	42.88	0.00	PERIOD	ALL	
00008784								
402530.00000	3277320.00000	0.00096	39.93	39.93	0.00	PERIOD	ALL	
00008784								
402530.00000	3277820.00000	0.00085	27.97	27.97	0.00	PERIOD	ALL	
00008784								
403030.00000	3276320.00000	0.00117	41.95	41.95	0.00	PERIOD	ALL	
00008784								
403030.00000	3276820.00000	0.00100	45.48	45.48	0.00	PERIOD	ALL	
00008784								
403030.00000	3277320.00000	0.00088	47.24	47.24	0.00	PERIOD	ALL	
00008784								
403030.00000	3277820.00000	0.00079	28.72	28.72	0.00	PERIOD	ALL	
00008784								
403530.00000	3276320.00000	0.00109	43.27	43.27	0.00	PERIOD	ALL	
00008784								
403530.00000	3276820.00000	0.00094	50.19	50.19	0.00	PERIOD	ALL	
00008784								
403530.00000	3277320.00000	0.00088	41.00	41.00	0.00	PERIOD	ALL	
00008784								
403530.00000	3277820.00000	0.00075	29.57	29.57	0.00	PERIOD	ALL	
00008784								
402030.00000	3275820.00000	0.00161	38.10	38.10	0.00	PERIOD	ALL	
00008784								
402030.00000	3275320.00000	0.00203	33.22	33.22	0.00	PERIOD	ALL	
00008784								
402030.00000	3274820.00000	0.00250	38.81	38.81	0.00	PERIOD	ALL	
00008784								
402030.00000	3274320.00000	0.00240	39.93	39.93	0.00	PERIOD	ALL	
00008784								
402030.00000	3273820.00000	0.00189	26.82	26.82	0.00	PERIOD	ALL	
00008784								
402030.00000	3273320.00000	0.00160	28.24	28.24	0.00	PERIOD	ALL	
00008784								
402030.00000	3272820.00000	0.00142	31.39	31.39	0.00	PERIOD	ALL	
00008784								
402030.00000	3272320.00000	0.00123	25.30	25.30	0.00	PERIOD	ALL	
00008784								
402030.00000	3271820.00000	0.00114	25.30	25.30	0.00	PERIOD	ALL	
00008784								
402030.00000	3271320.00000	0.00113	28.35	28.35	0.00	PERIOD	ALL	
00008784								
402030.00000	3270820.00000	0.00107	24.38	24.38	0.00	PERIOD	ALL	
00008784								
402030.00000	3270320.00000	0.00103	31.19	31.19	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04						
402030.00000	3269820.00000	0.00093	31.39	31.39	0.00	PERIOD	ALL	
00008784								
402530.00000	3275820.00000	0.00147	32.92	32.92	0.00	PERIOD	ALL	
00008784								
402530.00000	3275320.00000	0.00177	26.82	26.82	0.00	PERIOD	ALL	
00008784								
402530.00000	3274820.00000	0.00195	27.56	27.56	0.00	PERIOD	ALL	
00008784								
402530.00000	3274320.00000	0.00180	28.45	28.45	0.00	PERIOD	ALL	
00008784								
402530.00000	3273820.00000	0.00156	26.95	26.95	0.00	PERIOD	ALL	
00008784								
402530.00000	3273320.00000	0.00136	26.82	26.82	0.00	PERIOD	ALL	
00008784								
402530.00000	3272820.00000	0.00119	25.30	25.30	0.00	PERIOD	ALL	
00008784								
402530.00000	3272320.00000	0.00108	25.30	25.30	0.00	PERIOD	ALL	
00008784								
402530.00000	3271820.00000	0.00101	34.14	34.14	0.00	PERIOD	ALL	
00008784								
402530.00000	3271320.00000	0.00095	28.75	28.75	0.00	PERIOD	ALL	
00008784								
402530.00000	3270820.00000	0.00092	23.84	23.84	0.00	PERIOD	ALL	
00008784								
402530.00000	3270320.00000	0.00090	23.77	23.77	0.00	PERIOD	ALL	
00008784								
402530.00000	3269820.00000	0.00087	25.70	27.74	0.00	PERIOD	ALL	
00008784								
403030.00000	3275820.00000	0.00135	30.58	30.58	0.00	PERIOD	ALL	
00008784								
403030.00000	3275320.00000	0.00156	26.82	26.82	0.00	PERIOD	ALL	
00008784								
403030.00000	3274820.00000	0.00160	26.82	26.82	0.00	PERIOD	ALL	
00008784								
403030.00000	3274320.00000	0.00147	26.82	26.82	0.00	PERIOD	ALL	
00008784								
403030.00000	3273820.00000	0.00134	30.60	30.60	0.00	PERIOD	ALL	
00008784								
403030.00000	3273320.00000	0.00121	31.57	31.57	0.00	PERIOD	ALL	
00008784								
403030.00000	3272820.00000	0.00108	31.19	31.19	0.00	PERIOD	ALL	
00008784								
403030.00000	3272320.00000	0.00097	25.30	25.30	0.00	PERIOD	ALL	
00008784								
403030.00000	3271820.00000	0.00089	25.30	25.30	0.00	PERIOD	ALL	
00008784								
403030.00000	3271320.00000	0.00082	25.60	25.60	0.00	PERIOD	ALL	
00008784								
403030.00000	3270820.00000	0.00080	26.49	26.49	0.00	PERIOD	ALL	
00008784								
403030.00000	3270320.00000	0.00080	26.05	26.05	0.00	PERIOD	ALL	
00008784								
403030.00000	3269820.00000	0.00079	25.50	25.50	0.00	PERIOD	ALL	
00008784								
403530.00000	3275820.00000	0.00126	32.00	32.00	0.00	PERIOD	ALL	
00008784								
403530.00000	3275320.00000	0.00137	27.01	27.01	0.00	PERIOD	ALL	
00008784								
403530.00000	3274820.00000	0.00136	28.00	28.00	0.00	PERIOD	ALL	
00008784								
403530.00000	3274320.00000	0.00126	27.00	27.00	0.00	PERIOD	ALL	
00008784								
403530.00000	3273820.00000	0.00116	29.00	29.00	0.00	PERIOD	ALL	

HAFLBMAC.P04

00008784 403530.00000	3273320.00000	0.00104	24.33	24.33	0.00	PERIOD	ALL
00008784 403530.00000	3272820.00000	0.00099	33.00	33.00	0.00	PERIOD	ALL
00008784 403530.00000	3272320.00000	0.00088	26.00	26.00	0.00	PERIOD	ALL
00008784 403530.00000	3271820.00000	0.00081	24.00	24.00	0.00	PERIOD	ALL
00008784 403530.00000	3271320.00000	0.00075	23.00	30.00	0.00	PERIOD	ALL
00008784 403530.00000	3270820.00000	0.00071	24.33	24.33	0.00	PERIOD	ALL
00008784 403530.00000	3270320.00000	0.00071	29.00	29.00	0.00	PERIOD	ALL
00008784 403530.00000	3269820.00000	0.00071	33.00	33.00	0.00	PERIOD	ALL
00008784 401530.00000	3271320.00000	0.00132	25.30	25.30	0.00	PERIOD	ALL
00008784 401530.00000	3270820.00000	0.00117	24.38	24.38	0.00	PERIOD	ALL
00008784 401530.00000	3270320.00000	0.00102	24.38	24.38	0.00	PERIOD	ALL
00008784 401530.00000	3269820.00000	0.00090	29.06	32.31	0.00	PERIOD	ALL
00008784 401030.00000	3271320.00000	0.00145	28.75	28.75	0.00	PERIOD	ALL
00008784 401030.00000	3270820.00000	0.00117	24.38	24.38	0.00	PERIOD	ALL
00008784 401030.00000	3270320.00000	0.00099	24.38	24.38	0.00	PERIOD	ALL
00008784 401030.00000	3269820.00000	0.00087	28.75	28.75	0.00	PERIOD	ALL
00008784 400530.00000	3271320.00000	0.00146	32.92	32.92	0.00	PERIOD	ALL
00008784 400530.00000	3270820.00000	0.00123	37.19	37.19	0.00	PERIOD	ALL
00008784 400530.00000	3270320.00000	0.00106	35.46	35.46	0.00	PERIOD	ALL
00008784 400530.00000	3269820.00000	0.00093	32.92	32.92	0.00	PERIOD	ALL
00008784 400030.00000	3271320.00000	0.00163	33.83	33.83	0.00	PERIOD	ALL
00008784 400030.00000	3270820.00000	0.00137	34.73	34.73	0.00	PERIOD	ALL
00008784 400030.00000	3270320.00000	0.00116	31.75	31.75	0.00	PERIOD	ALL
00008784 400030.00000	3269820.00000	0.00102	35.36	35.36	0.00	PERIOD	ALL
00008784 399530.00000	3271320.00000	0.00198	35.15	35.15	0.00	PERIOD	ALL
00008784 399530.00000	3270820.00000	0.00157	30.66	30.66	0.00	PERIOD	ALL
00008784 399530.00000	3270320.00000	0.00129	27.50	27.50	0.00	PERIOD	ALL
00008784 399530.00000	3269820.00000	0.00112	31.50	31.50	0.00	PERIOD	ALL
00008784 399030.00000	3271320.00000	0.00206	26.82	26.82	0.00	PERIOD	ALL
00008784 399030.00000	3270820.00000	0.00166	26.82	26.82	0.00	PERIOD	ALL
00008784 399030.00000	3270320.00000	0.00138	26.82	26.82	0.00	PERIOD	ALL

		HAFLBMAC.P04					
399030.00000	3269820.00000	0.00120	33.83	33.83	0.00	PERIOD	ALL
00008784							
398530.00000	3271320.00000	0.00193	26.82	26.82	0.00	PERIOD	ALL
00008784							
398530.00000	3270820.00000	0.00160	31.09	31.09	0.00	PERIOD	ALL
00008784							
398530.00000	3270320.00000	0.00135	31.56	31.56	0.00	PERIOD	ALL
00008784							
398530.00000	3269820.00000	0.00116	30.48	30.48	0.00	PERIOD	ALL
00008784							
398030.00000	3271320.00000	0.00178	30.78	30.78	0.00	PERIOD	ALL
00008784							
398030.00000	3270820.00000	0.00151	31.35	31.35	0.00	PERIOD	ALL
00008784							
398030.00000	3270320.00000	0.00126	26.82	26.82	0.00	PERIOD	ALL
00008784							
398030.00000	3269820.00000	0.00110	27.84	27.84	0.00	PERIOD	ALL
00008784							
397530.00000	3271320.00000	0.00157	28.04	28.04	0.00	PERIOD	ALL
00008784							
397530.00000	3270820.00000	0.00138	27.33	27.33	0.00	PERIOD	ALL
00008784							
397530.00000	3270320.00000	0.00121	26.82	26.82	0.00	PERIOD	ALL
00008784							
397530.00000	3269820.00000	0.00108	29.57	29.57	0.00	PERIOD	ALL
00008784							
397030.00000	3271320.00000	0.00135	26.82	26.82	0.00	PERIOD	ALL
00008784							
397030.00000	3270820.00000	0.00126	26.82	26.82	0.00	PERIOD	ALL
00008784							
397030.00000	3270320.00000	0.00116	31.27	31.27	0.00	PERIOD	ALL
00008784							
397030.00000	3269820.00000	0.00105	31.39	31.39	0.00	PERIOD	ALL
00008784							
396530.00000	3271320.00000	0.00121	29.57	29.57	0.00	PERIOD	ALL
00008784							
396530.00000	3270820.00000	0.00113	29.87	29.87	0.00	PERIOD	ALL
00008784							
396530.00000	3270320.00000	0.00108	30.54	30.54	0.00	PERIOD	ALL
00008784							
396530.00000	3269820.00000	0.00099	27.13	27.13	0.00	PERIOD	ALL
00008784							
396030.00000	3271320.00000	0.00110	28.35	28.35	0.00	PERIOD	ALL
00008784							
396030.00000	3270820.00000	0.00101	26.82	26.82	0.00	PERIOD	ALL
00008784							
396030.00000	3270320.00000	0.00099	31.60	31.60	0.00	PERIOD	ALL
00008784							
396030.00000	3269820.00000	0.00093	26.82	26.82	0.00	PERIOD	ALL
00008784							
395530.00000	3271320.00000	0.00102	32.21	32.21	0.00	PERIOD	ALL
00008784							
395530.00000	3270820.00000	0.00095	28.43	28.43	0.00	PERIOD	ALL
00008784							
395530.00000	3270320.00000	0.00090	29.25	29.25	0.00	PERIOD	ALL
00008784							
395530.00000	3269820.00000	0.00087	31.90	31.90	0.00	PERIOD	ALL
00008784							
397030.00000	3271820.00000	0.00147	26.82	26.82	0.00	PERIOD	ALL
00008784							
397030.00000	3272320.00000	0.00165	26.82	26.82	0.00	PERIOD	ALL
00008784							
397030.00000	3272820.00000	0.00176	36.47	36.47	0.00	PERIOD	ALL

HAFLBMAC.P04

00008784								
397030.00000	3273320.00000	0.00174	37.55	37.55	0.00	PERIOD	ALL	
00008784								
397030.00000	3273820.00000	0.00180	40.23	40.23	0.00	PERIOD	ALL	
00008784								
397030.00000	3274320.00000	0.00170	41.35	41.35	0.00	PERIOD	ALL	
00008784								
397030.00000	3274820.00000	0.00138	38.60	38.60	0.00	PERIOD	ALL	
00008784								
397030.00000	3275320.00000	0.00120	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397030.00000	3275820.00000	0.00107	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397030.00000	3276320.00000	0.00092	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397030.00000	3276820.00000	0.00078	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397030.00000	3277320.00000	0.00070	29.87	29.87	0.00	PERIOD	ALL	
00008784								
397030.00000	3277820.00000	0.00067	40.41	40.41	0.00	PERIOD	ALL	
00008784								
396530.00000	3271820.00000	0.00132	29.77	29.77	0.00	PERIOD	ALL	
00008784								
396530.00000	3272320.00000	0.00138	26.82	26.82	0.00	PERIOD	ALL	
00008784								
396530.00000	3272820.00000	0.00137	29.87	29.87	0.00	PERIOD	ALL	
00008784								
396530.00000	3273320.00000	0.00138	33.29	33.29	0.00	PERIOD	ALL	
00008784								
396530.00000	3273820.00000	0.00146	36.44	36.44	0.00	PERIOD	ALL	
00008784								
396530.00000	3274320.00000	0.00137	29.87	29.87	0.00	PERIOD	ALL	
00008784								
396530.00000	3274820.00000	0.00115	29.87	29.87	0.00	PERIOD	ALL	
00008784								
396530.00000	3275320.00000	0.00106	39.57	39.57	0.00	PERIOD	ALL	
00008784								
396530.00000	3275820.00000	0.00095	35.86	35.86	0.00	PERIOD	ALL	
00008784								
396530.00000	3276320.00000	0.00084	31.46	31.46	0.00	PERIOD	ALL	
00008784								
396530.00000	3276820.00000	0.00074	29.87	29.87	0.00	PERIOD	ALL	
00008784								
396530.00000	3277320.00000	0.00069	40.94	40.94	0.00	PERIOD	ALL	
00008784								
396530.00000	3277820.00000	0.00063	42.67	42.67	0.00	PERIOD	ALL	
00008784								
396030.00000	3271820.00000	0.00117	30.99	30.99	0.00	PERIOD	ALL	
00008784								
396030.00000	3272320.00000	0.00117	32.31	32.31	0.00	PERIOD	ALL	
00008784								
396030.00000	3272820.00000	0.00116	35.97	35.97	0.00	PERIOD	ALL	
00008784								
396030.00000	3273320.00000	0.00118	43.69	43.69	0.00	PERIOD	ALL	
00008784								
396030.00000	3273820.00000	0.00125	44.20	44.20	0.00	PERIOD	ALL	
00008784								
396030.00000	3274320.00000	0.00123	44.20	44.20	0.00	PERIOD	ALL	
00008784								
396030.00000	3274820.00000	0.00105	44.20	44.20	0.00	PERIOD	ALL	
00008784								
396030.00000	3275320.00000	0.00092	38.51	38.51	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04						
396030.00000	3275820.00000	0.00083	29.87	29.87	0.00	PERIOD	ALL	
00008784								
396030.00000	3276320.00000	0.00076	29.87	29.87	0.00	PERIOD	ALL	
00008784								
396030.00000	3276820.00000	0.00070	29.87	29.87	0.00	PERIOD	ALL	
00008784								
396030.00000	3277320.00000	0.00064	31.39	31.39	0.00	PERIOD	ALL	
00008784								
396030.00000	3277820.00000	0.00060	40.03	40.03	0.00	PERIOD	ALL	
00008784								
395530.00000	3271820.00000	0.00104	35.18	35.18	0.00	PERIOD	ALL	
00008784								
395530.00000	3272320.00000	0.00101	36.15	36.15	0.00	PERIOD	ALL	
00008784								
395530.00000	3272820.00000	0.00101	37.69	37.69	0.00	PERIOD	ALL	
00008784								
395530.00000	3273320.00000	0.00104	42.42	42.42	0.00	PERIOD	ALL	
00008784								
395530.00000	3273820.00000	0.00110	44.52	44.52	0.00	PERIOD	ALL	
00008784								
395530.00000	3274320.00000	0.00108	46.74	46.74	0.00	PERIOD	ALL	
00008784								
395530.00000	3274820.00000	0.00095	46.88	46.88	0.00	PERIOD	ALL	
00008784								
395530.00000	3275320.00000	0.00084	39.75	39.75	0.00	PERIOD	ALL	
00008784								
395530.00000	3275820.00000	0.00075	30.18	30.18	0.00	PERIOD	ALL	
00008784								
395530.00000	3276320.00000	0.00070	29.87	29.87	0.00	PERIOD	ALL	
00008784								
395530.00000	3276820.00000	0.00065	29.87	29.87	0.00	PERIOD	ALL	
00008784								
395530.00000	3277320.00000	0.00061	32.00	32.00	0.00	PERIOD	ALL	
00008784								
395530.00000	3277820.00000	0.00056	33.29	33.29	0.00	PERIOD	ALL	
00008784								
399199.40625	3273888.75000	0.02001	41.94	41.94	0.00	PERIOD	ALL	
00008784								
399235.34375	3273972.50000	0.02067	38.43	38.43	0.00	PERIOD	ALL	
00008784								
399237.87500	3274073.25000	0.01710	34.04	34.04	0.00	PERIOD	ALL	
00008784								
399450.65625	3274213.75000	0.01938	35.66	35.66	0.00	PERIOD	ALL	
00008784								
399549.46875	3274263.25000	0.01577	35.53	35.53	0.00	PERIOD	ALL	
00008784								
399672.43750	3274333.50000	0.01436	37.20	37.20	0.00	PERIOD	ALL	
00008784								
399823.96875	3274378.75000	0.01206	36.98	36.98	0.00	PERIOD	ALL	
00008784								
399721.15625	3273824.75000	0.02273	34.59	34.59	0.00	PERIOD	ALL	
00008784								
399707.93750	3273566.50000	0.01810	34.18	34.18	0.00	PERIOD	ALL	
00008784								
399611.34375	3273252.75000	0.01192	32.66	32.66	0.00	PERIOD	ALL	
00008784								
399202.68750	3273265.50000	0.01424	33.61	33.61	0.00	PERIOD	ALL	
00008784								
399217.37500	3273930.75000	0.02113	40.09	40.09	0.00	PERIOD	ALL	
00008784								
399236.18750	3274006.25000	0.01949	36.63	36.63	0.00	PERIOD	ALL	
00008784								
399237.03125	3274039.75000	0.01824	34.98	34.98	0.00	PERIOD	ALL	

HAFLBMAC.P04

00008784								
399273.34375	3274096.75000	0.01717	34.43	34.43	0.00	PERIOD	ALL	
00008784								
399308.81250	3274120.00000	0.01692	34.59	34.59	0.00	PERIOD	ALL	
00008784								
399344.28125	3274143.50000	0.01675	35.39	35.39	0.00	PERIOD	ALL	
00008784								
399379.71875	3274167.00000	0.01857	36.48	36.48	0.00	PERIOD	ALL	
00008784								
399415.18750	3274190.25000	0.01879	36.48	36.48	0.00	PERIOD	ALL	
00008784								
399483.62500	3274230.25000	0.01747	34.85	34.85	0.00	PERIOD	ALL	
00008784								
399516.53125	3274246.75000	0.01720	35.39	35.39	0.00	PERIOD	ALL	
00008784								
399590.46875	3274286.75000	0.01546	36.40	36.40	0.00	PERIOD	ALL	
00008784								
399631.43750	3274310.00000	0.01532	37.43	37.43	0.00	PERIOD	ALL	
00008784								
399710.34375	3274344.75000	0.01373	37.08	37.08	0.00	PERIOD	ALL	
00008784								
399748.21875	3274356.25000	0.01316	36.64	36.64	0.00	PERIOD	ALL	
00008784								
399786.09375	3274367.50000	0.01275	36.82	36.82	0.00	PERIOD	ALL	
00008784								
399815.40625	3274332.75000	0.01373	37.41	37.41	0.00	PERIOD	ALL	
00008784								
399806.84375	3274286.50000	0.01574	38.03	38.03	0.00	PERIOD	ALL	
00008784								
399798.28125	3274240.25000	0.01786	38.07	38.07	0.00	PERIOD	ALL	
00008784								
399789.71875	3274194.25000	0.02016	38.44	38.44	0.00	PERIOD	ALL	
00008784								
399781.12500	3274148.00000	0.02273	38.67	38.67	0.00	PERIOD	ALL	
00008784								
399772.56250	3274101.75000	0.02515	38.36	38.36	0.00	PERIOD	ALL	
00008784								
399764.00000	3274055.75000	0.02880	38.24	38.24	0.00	PERIOD	ALL	
00008784								
399755.43750	3274009.50000	0.03381	37.37	37.37	0.00	PERIOD	ALL	
00008784								
399746.87500	3273963.25000	0.03922	36.43	36.43	0.00	PERIOD	ALL	
00008784								
399738.31250	3273917.25000	0.04437	35.96	35.96	0.00	PERIOD	ALL	
00008784								
399729.75000	3273871.00000	0.03772	35.56	35.56	0.00	PERIOD	ALL	
00008784								
399718.96875	3273781.75000	0.01641	33.34	33.34	0.00	PERIOD	ALL	
00008784								
399716.75000	3273738.75000	0.01621	31.65	31.65	0.00	PERIOD	ALL	
00008784								
399714.56250	3273695.75000	0.01738	31.78	31.78	0.00	PERIOD	ALL	
00008784								
399712.37500	3273652.75000	0.01849	33.89	33.89	0.00	PERIOD	ALL	
00008784								
399710.15625	3273609.50000	0.01893	35.33	35.33	0.00	PERIOD	ALL	
00008784								
399694.15625	3273521.75000	0.01703	33.95	33.95	0.00	PERIOD	ALL	
00008784								
399680.34375	3273477.00000	0.01704	33.62	33.62	0.00	PERIOD	ALL	
00008784								
399666.56250	3273432.00000	0.01549	33.47	33.47	0.00	PERIOD	ALL	
00008784								

		HAFLBMAC.P04					
399652.75000	3273387.25000	0.01391	32.83	32.83	0.00	PERIOD	ALL
00008784							
399638.93750	3273342.50000	0.01305	32.51	32.51	0.00	PERIOD	ALL
00008784							
399625.15625	3273297.75000	0.01241	32.52	32.52	0.00	PERIOD	ALL
00008784							
399565.93750	3273254.25000	0.01358	34.19	34.19	0.00	PERIOD	ALL
00008784							
399520.53125	3273255.75000	0.01381	34.95	34.95	0.00	PERIOD	ALL
00008784							
399475.12500	3273257.00000	0.01566	36.02	36.02	0.00	PERIOD	ALL
00008784							
399429.71875	3273258.50000	0.01626	36.71	36.71	0.00	PERIOD	ALL
00008784							
399384.31250	3273260.00000	0.01659	37.20	37.20	0.00	PERIOD	ALL
00008784							
399338.90625	3273261.25000	0.01666	37.09	37.09	0.00	PERIOD	ALL
00008784							
399293.50000	3273262.75000	0.01637	36.17	36.17	0.00	PERIOD	ALL
00008784							
399248.12500	3273264.25000	0.01532	34.92	34.92	0.00	PERIOD	ALL
00008784							
399202.43750	3273313.50000	0.01628	36.55	36.55	0.00	PERIOD	ALL
00008784							
399202.18750	3273361.50000	0.01868	39.47	39.47	0.00	PERIOD	ALL
00008784							
399201.93750	3273409.50000	0.02082	41.75	41.75	0.00	PERIOD	ALL
00008784							
399201.68750	3273457.25000	0.02119	44.13	44.13	0.00	PERIOD	ALL
00008784							
399201.43750	3273505.25000	0.02262	44.41	44.41	0.00	PERIOD	ALL
00008784							
399201.18750	3273553.25000	0.02562	43.65	43.65	0.00	PERIOD	ALL
00008784							
399200.93750	3273601.00000	0.02620	43.97	43.97	0.00	PERIOD	ALL
00008784							
399200.68750	3273649.00000	0.02592	43.60	43.60	0.00	PERIOD	ALL
00008784							
399200.43750	3273697.00000	0.02680	41.99	41.99	0.00	PERIOD	ALL
00008784							
399200.18750	3273745.00000	0.02561	40.93	40.93	0.00	PERIOD	ALL
00008784							
399199.90625	3273792.75000	0.02319	41.06	41.06	0.00	PERIOD	ALL
00008784							
399199.65625	3273840.75000	0.02032	42.44	42.44	0.00	PERIOD	ALL
00008784							

* MODELING OPTIONS USED:

* CONC DFAULT ELEV

* PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 1907 RECEPTORS.

* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP
 * NUM HRS NET ID

NUM	HRS	NET ID	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP
397530.00000	00008760	3271820.00000	0.00192	26.82	26.82	0.00	PERIOD	ALL
397530.00000	00008760	3271920.00000	0.00197	26.82	26.82	0.00	PERIOD	ALL
397530.00000	00008760	3272020.00000	0.00201	26.72	26.72	0.00	PERIOD	ALL
397530.00000	00008760	3272120.00000	0.00206	26.82	26.82	0.00	PERIOD	ALL
397530.00000	00008760	3272220.00000	0.00210	26.52	26.52	0.00	PERIOD	ALL
397530.00000	00008760	3272320.00000	0.00215	26.82	26.82	0.00	PERIOD	ALL
397530.00000	00008760	3272420.00000	0.00219	26.82	26.82	0.00	PERIOD	ALL
397530.00000	00008760	3272520.00000	0.00222	26.82	26.82	0.00	PERIOD	ALL
397530.00000	00008760	3272620.00000	0.00224	26.82	26.82	0.00	PERIOD	ALL
397530.00000	00008760	3272720.00000	0.00226	26.82	26.82	0.00	PERIOD	ALL
397530.00000	00008760	3272820.00000	0.00227	26.82	26.82	0.00	PERIOD	ALL
397530.00000	00008760	3272920.00000	0.00227	26.82	26.82	0.00	PERIOD	ALL
397530.00000	00008760	3273020.00000	0.00228	27.03	27.03	0.00	PERIOD	ALL
397530.00000	00008760	3273120.00000	0.00229	26.82	26.82	0.00	PERIOD	ALL
397530.00000	00008760	3273220.00000	0.00231	28.35	28.35	0.00	PERIOD	ALL
397530.00000	00008760	3273320.00000	0.00235	31.60	31.60	0.00	PERIOD	ALL
397530.00000	00008760	3273420.00000	0.00233	30.18	30.18	0.00	PERIOD	ALL
397530.00000	00008760	3273520.00000	0.00232	31.09	31.09	0.00	PERIOD	ALL
397530.00000	00008760	3273620.00000	0.00230	32.61	32.61	0.00	PERIOD	ALL
397530.00000	00008760	3273720.00000	0.00225	32.31	32.31	0.00	PERIOD	ALL
397530.00000	00008760	3273820.00000	0.00221	34.54	34.54	0.00	PERIOD	ALL
397530.00000	00008760	3273920.00000	0.00214	34.24	34.24	0.00	PERIOD	ALL
397530.00000	00008760	3274020.00000	0.00204	33.83	33.83	0.00	PERIOD	ALL
397530.00000	00008760	3274120.00000	0.00193	33.43	33.43	0.00	PERIOD	ALL
397530.00000	00008760	3274220.00000	0.00183	33.83	33.83	0.00	PERIOD	ALL
397530.00000	00008760	3274320.00000	0.00175	33.53	33.53	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
397530.00000	3274420.00000	0.00169	34.34	34.34	0.00	PERIOD	ALL	
00008760								
397530.00000	3274520.00000	0.00163	34.75	34.75	0.00	PERIOD	ALL	
00008760								
397530.00000	3274620.00000	0.00159	34.75	34.75	0.00	PERIOD	ALL	
00008760								
397530.00000	3274720.00000	0.00157	35.15	35.15	0.00	PERIOD	ALL	
00008760								
397530.00000	3274820.00000	0.00156	35.36	35.36	0.00	PERIOD	ALL	
00008760								
397530.00000	3274920.00000	0.00155	34.44	34.44	0.00	PERIOD	ALL	
00008760								
397530.00000	3275020.00000	0.00153	32.72	32.72	0.00	PERIOD	ALL	
00008760								
397530.00000	3275120.00000	0.00151	30.07	30.07	0.00	PERIOD	ALL	
00008760								
397530.00000	3275220.00000	0.00149	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397530.00000	3275320.00000	0.00147	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397530.00000	3275420.00000	0.00143	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397530.00000	3275520.00000	0.00140	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397530.00000	3275620.00000	0.00135	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397530.00000	3275720.00000	0.00131	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397530.00000	3275820.00000	0.00125	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397630.00000	3271820.00000	0.00200	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3271920.00000	0.00205	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272020.00000	0.00210	26.70	26.70	0.00	PERIOD	ALL	
00008760								
397630.00000	3272120.00000	0.00215	26.68	26.68	0.00	PERIOD	ALL	
00008760								
397630.00000	3272220.00000	0.00220	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272320.00000	0.00225	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272420.00000	0.00229	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272520.00000	0.00234	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272620.00000	0.00237	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272720.00000	0.00239	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272820.00000	0.00241	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3272920.00000	0.00241	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3273020.00000	0.00242	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3273120.00000	0.00243	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397630.00000	3273220.00000	0.00245	27.63	27.63	0.00	PERIOD	ALL	
00008760								
397630.00000	3273320.00000	0.00249	30.66	30.66	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
397630.00000	3273420.00000	0.00250	30.99	30.99	0.00	PERIOD	ALL
00008760							
397630.00000	3273520.00000	0.00249	31.88	31.88	0.00	PERIOD	ALL
00008760							
397630.00000	3273620.00000	0.00245	31.46	31.46	0.00	PERIOD	ALL
00008760							
397630.00000	3273720.00000	0.00239	30.89	30.89	0.00	PERIOD	ALL
00008760							
397630.00000	3273820.00000	0.00234	31.75	31.75	0.00	PERIOD	ALL
00008760							
397630.00000	3273920.00000	0.00226	32.64	32.64	0.00	PERIOD	ALL
00008760							
397630.00000	3274020.00000	0.00216	33.02	33.02	0.00	PERIOD	ALL
00008760							
397630.00000	3274120.00000	0.00205	33.50	33.50	0.00	PERIOD	ALL
00008760							
397630.00000	3274220.00000	0.00193	33.29	33.29	0.00	PERIOD	ALL
00008760							
397630.00000	3274320.00000	0.00186	34.14	34.14	0.00	PERIOD	ALL
00008760							
397630.00000	3274420.00000	0.00179	34.58	34.58	0.00	PERIOD	ALL
00008760							
397630.00000	3274520.00000	0.00173	35.00	35.00	0.00	PERIOD	ALL
00008760							
397630.00000	3274620.00000	0.00171	37.19	37.19	0.00	PERIOD	ALL
00008760							
397630.00000	3274720.00000	0.00170	38.90	38.90	0.00	PERIOD	ALL
00008760							
397630.00000	3274820.00000	0.00170	39.28	39.28	0.00	PERIOD	ALL
00008760							
397630.00000	3274920.00000	0.00168	37.59	37.59	0.00	PERIOD	ALL
00008760							
397630.00000	3275020.00000	0.00164	35.23	35.23	0.00	PERIOD	ALL
00008760							
397630.00000	3275120.00000	0.00161	32.99	32.99	0.00	PERIOD	ALL
00008760							
397630.00000	3275220.00000	0.00157	30.28	30.28	0.00	PERIOD	ALL
00008760							
397630.00000	3275320.00000	0.00154	30.37	30.37	0.00	PERIOD	ALL
00008760							
397630.00000	3275420.00000	0.00150	30.37	30.37	0.00	PERIOD	ALL
00008760							
397630.00000	3275520.00000	0.00145	29.87	29.87	0.00	PERIOD	ALL
00008760							
397630.00000	3275620.00000	0.00139	29.87	29.87	0.00	PERIOD	ALL
00008760							
397630.00000	3275720.00000	0.00134	29.87	29.87	0.00	PERIOD	ALL
00008760							
397630.00000	3275820.00000	0.00128	29.87	29.87	0.00	PERIOD	ALL
00008760							
397730.00000	3271820.00000	0.00209	26.82	26.82	0.00	PERIOD	ALL
00008760							
397730.00000	3271920.00000	0.00214	26.82	26.82	0.00	PERIOD	ALL
00008760							
397730.00000	3272020.00000	0.00219	26.71	26.71	0.00	PERIOD	ALL
00008760							
397730.00000	3272120.00000	0.00224	26.77	26.77	0.00	PERIOD	ALL
00008760							
397730.00000	3272220.00000	0.00230	26.82	26.82	0.00	PERIOD	ALL
00008760							
397730.00000	3272320.00000	0.00236	26.82	26.82	0.00	PERIOD	ALL
00008760							
397730.00000	3272420.00000	0.00241	26.82	26.82	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
397730.00000	3272520.00000	0.00246	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3272620.00000	0.00250	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3272720.00000	0.00254	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3272820.00000	0.00256	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3272920.00000	0.00258	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3273020.00000	0.00259	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3273120.00000	0.00260	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397730.00000	3273220.00000	0.00262	27.07	27.07	0.00	PERIOD	ALL	
00008760								
397730.00000	3273320.00000	0.00266	29.57	29.57	0.00	PERIOD	ALL	
00008760								
397730.00000	3273420.00000	0.00267	30.58	30.58	0.00	PERIOD	ALL	
00008760								
397730.00000	3273520.00000	0.00266	31.09	31.09	0.00	PERIOD	ALL	
00008760								
397730.00000	3273620.00000	0.00262	30.19	30.19	0.00	PERIOD	ALL	
00008760								
397730.00000	3273720.00000	0.00256	29.67	29.67	0.00	PERIOD	ALL	
00008760								
397730.00000	3273820.00000	0.00252	33.06	33.06	0.00	PERIOD	ALL	
00008760								
397730.00000	3273920.00000	0.00244	35.11	35.11	0.00	PERIOD	ALL	
00008760								
397730.00000	3274020.00000	0.00232	35.36	35.36	0.00	PERIOD	ALL	
00008760								
397730.00000	3274120.00000	0.00219	35.33	35.33	0.00	PERIOD	ALL	
00008760								
397730.00000	3274220.00000	0.00207	35.41	35.41	0.00	PERIOD	ALL	
00008760								
397730.00000	3274320.00000	0.00200	36.68	36.68	0.00	PERIOD	ALL	
00008760								
397730.00000	3274420.00000	0.00193	37.73	37.73	0.00	PERIOD	ALL	
00008760								
397730.00000	3274520.00000	0.00186	37.60	37.60	0.00	PERIOD	ALL	
00008760								
397730.00000	3274620.00000	0.00185	39.73	39.73	0.00	PERIOD	ALL	
00008760								
397730.00000	3274720.00000	0.00183	41.19	41.19	0.00	PERIOD	ALL	
00008760								
397730.00000	3274820.00000	0.00183	40.79	40.79	0.00	PERIOD	ALL	
00008760								
397730.00000	3274920.00000	0.00178	37.39	37.39	0.00	PERIOD	ALL	
00008760								
397730.00000	3275020.00000	0.00174	34.19	34.19	0.00	PERIOD	ALL	
00008760								
397730.00000	3275120.00000	0.00170	32.31	32.31	0.00	PERIOD	ALL	
00008760								
397730.00000	3275220.00000	0.00165	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397730.00000	3275320.00000	0.00161	30.78	30.78	0.00	PERIOD	ALL	
00008760								
397730.00000	3275420.00000	0.00155	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397730.00000	3275520.00000	0.00149	29.87	29.87	0.00	PERIOD	ALL	
00008760								

HAFBMAC.P05

397730.00000	3275620.00000	0.00143	29.87	29.87	0.00	PERIOD	ALL
00008760							
397730.00000	3275720.00000	0.00136	29.80	29.80	0.00	PERIOD	ALL
00008760							
397730.00000	3275820.00000	0.00130	29.87	29.87	0.00	PERIOD	ALL
00008760							
397830.00000	3271820.00000	0.00218	26.82	26.82	0.00	PERIOD	ALL
00008760							
397830.00000	3271920.00000	0.00223	26.52	26.52	0.00	PERIOD	ALL
00008760							
397830.00000	3272020.00000	0.00229	26.72	26.72	0.00	PERIOD	ALL
00008760							
397830.00000	3272120.00000	0.00235	26.72	26.72	0.00	PERIOD	ALL
00008760							
397830.00000	3272220.00000	0.00241	26.82	26.82	0.00	PERIOD	ALL
00008760							
397830.00000	3272320.00000	0.00248	26.82	26.82	0.00	PERIOD	ALL
00008760							
397830.00000	3272420.00000	0.00254	26.82	26.82	0.00	PERIOD	ALL
00008760							
397830.00000	3272520.00000	0.00260	26.82	26.82	0.00	PERIOD	ALL
00008760							
397830.00000	3272620.00000	0.00265	26.82	26.82	0.00	PERIOD	ALL
00008760							
397830.00000	3272720.00000	0.00270	26.82	26.82	0.00	PERIOD	ALL
00008760							
397830.00000	3272820.00000	0.00273	26.82	26.82	0.00	PERIOD	ALL
00008760							
397830.00000	3272920.00000	0.00276	26.82	26.82	0.00	PERIOD	ALL
00008760							
397830.00000	3273020.00000	0.00278	26.82	26.82	0.00	PERIOD	ALL
00008760							
397830.00000	3273120.00000	0.00280	26.82	26.82	0.00	PERIOD	ALL
00008760							
397830.00000	3273220.00000	0.00282	26.82	26.82	0.00	PERIOD	ALL
00008760							
397830.00000	3273320.00000	0.00286	29.16	29.16	0.00	PERIOD	ALL
00008760							
397830.00000	3273420.00000	0.00287	29.87	29.87	0.00	PERIOD	ALL
00008760							
397830.00000	3273520.00000	0.00287	30.78	30.78	0.00	PERIOD	ALL
00008760							
397830.00000	3273620.00000	0.00283	30.68	30.68	0.00	PERIOD	ALL
00008760							
397830.00000	3273720.00000	0.00275	28.65	28.65	0.00	PERIOD	ALL
00008760							
397830.00000	3273820.00000	0.00270	31.39	31.39	0.00	PERIOD	ALL
00008760							
397830.00000	3273920.00000	0.00261	34.04	34.04	0.00	PERIOD	ALL
00008760							
397830.00000	3274020.00000	0.00248	34.44	34.44	0.00	PERIOD	ALL
00008760							
397830.00000	3274120.00000	0.00234	35.56	35.56	0.00	PERIOD	ALL
00008760							
397830.00000	3274220.00000	0.00222	36.17	36.17	0.00	PERIOD	ALL
00008760							
397830.00000	3274320.00000	0.00217	38.40	38.40	0.00	PERIOD	ALL
00008760							
397830.00000	3274420.00000	0.00210	40.03	40.03	0.00	PERIOD	ALL
00008760							
397830.00000	3274520.00000	0.00203	40.84	40.84	0.00	PERIOD	ALL
00008760							
397830.00000	3274620.00000	0.00197	41.76	41.76	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
397830.00000	3274720.00000	0.00196	41.96	41.96	0.00	PERIOD	ALL	
00008760								
397830.00000	3274820.00000	0.00195	39.01	39.01	0.00	PERIOD	ALL	
00008760								
397830.00000	3274920.00000	0.00188	35.36	35.36	0.00	PERIOD	ALL	
00008760								
397830.00000	3275020.00000	0.00186	35.56	35.56	0.00	PERIOD	ALL	
00008760								
397830.00000	3275120.00000	0.00180	32.31	32.31	0.00	PERIOD	ALL	
00008760								
397830.00000	3275220.00000	0.00174	30.18	30.18	0.00	PERIOD	ALL	
00008760								
397830.00000	3275320.00000	0.00168	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397830.00000	3275420.00000	0.00161	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397830.00000	3275520.00000	0.00154	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397830.00000	3275620.00000	0.00146	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397830.00000	3275720.00000	0.00139	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397830.00000	3275820.00000	0.00131	29.87	29.87	0.00	PERIOD	ALL	
00008760								
397930.00000	3271820.00000	0.00229	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3271920.00000	0.00234	26.72	26.72	0.00	PERIOD	ALL	
00008760								
397930.00000	3272020.00000	0.00240	26.64	26.64	0.00	PERIOD	ALL	
00008760								
397930.00000	3272120.00000	0.00247	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3272220.00000	0.00254	26.72	26.72	0.00	PERIOD	ALL	
00008760								
397930.00000	3272320.00000	0.00261	26.66	26.66	0.00	PERIOD	ALL	
00008760								
397930.00000	3272420.00000	0.00268	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3272520.00000	0.00275	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3272620.00000	0.00282	26.77	26.77	0.00	PERIOD	ALL	
00008760								
397930.00000	3272720.00000	0.00288	26.77	26.77	0.00	PERIOD	ALL	
00008760								
397930.00000	3272820.00000	0.00293	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3272920.00000	0.00297	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3273020.00000	0.00299	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3273120.00000	0.00302	26.82	26.82	0.00	PERIOD	ALL	
00008760								
397930.00000	3273220.00000	0.00304	26.96	26.96	0.00	PERIOD	ALL	
00008760								
397930.00000	3273320.00000	0.00307	27.14	27.14	0.00	PERIOD	ALL	
00008760								
397930.00000	3273420.00000	0.00312	30.58	30.58	0.00	PERIOD	ALL	
00008760								
397930.00000	3273520.00000	0.00311	30.24	30.24	0.00	PERIOD	ALL	
00008760								
397930.00000	3273620.00000	0.00307	29.87	29.87	0.00	PERIOD	ALL	
00008760								

HAFBMAC.P05

397930.00000	3273720.00000	0.00298	27.43	27.43	0.00	PERIOD	ALL
00008760							
397930.00000	3273820.00000	0.00290	28.65	28.65	0.00	PERIOD	ALL
00008760							
397930.00000	3273920.00000	0.00279	30.29	30.29	0.00	PERIOD	ALL
00008760							
397930.00000	3274020.00000	0.00264	30.78	30.78	0.00	PERIOD	ALL
00008760							
397930.00000	3274120.00000	0.00250	33.97	33.97	0.00	PERIOD	ALL
00008760							
397930.00000	3274220.00000	0.00240	36.59	36.59	0.00	PERIOD	ALL
00008760							
397930.00000	3274320.00000	0.00234	38.71	38.71	0.00	PERIOD	ALL
00008760							
397930.00000	3274420.00000	0.00226	40.91	40.91	0.00	PERIOD	ALL
00008760							
397930.00000	3274520.00000	0.00215	42.96	42.96	0.00	PERIOD	ALL
00008760							
397930.00000	3274620.00000	0.00212	43.08	43.08	0.00	PERIOD	ALL
00008760							
397930.00000	3274720.00000	0.00212	42.12	42.12	0.00	PERIOD	ALL
00008760							
397930.00000	3274820.00000	0.00209	39.28	39.28	0.00	PERIOD	ALL
00008760							
397930.00000	3274920.00000	0.00201	33.83	33.83	0.00	PERIOD	ALL
00008760							
397930.00000	3275020.00000	0.00196	32.54	32.54	0.00	PERIOD	ALL
00008760							
397930.00000	3275120.00000	0.00190	31.57	31.57	0.00	PERIOD	ALL
00008760							
397930.00000	3275220.00000	0.00182	29.87	29.87	0.00	PERIOD	ALL
00008760							
397930.00000	3275320.00000	0.00175	29.87	29.87	0.00	PERIOD	ALL
00008760							
397930.00000	3275420.00000	0.00166	29.87	29.87	0.00	PERIOD	ALL
00008760							
397930.00000	3275520.00000	0.00158	29.87	29.87	0.00	PERIOD	ALL
00008760							
397930.00000	3275620.00000	0.00149	29.87	29.87	0.00	PERIOD	ALL
00008760							
397930.00000	3275720.00000	0.00140	29.87	29.87	0.00	PERIOD	ALL
00008760							
397930.00000	3275820.00000	0.00132	29.87	29.87	0.00	PERIOD	ALL
00008760							
398030.00000	3271820.00000	0.00240	26.82	26.82	0.00	PERIOD	ALL
00008760							
398030.00000	3271920.00000	0.00246	26.82	26.82	0.00	PERIOD	ALL
00008760							
398030.00000	3272020.00000	0.00253	26.82	26.82	0.00	PERIOD	ALL
00008760							
398030.00000	3272120.00000	0.00260	26.82	26.82	0.00	PERIOD	ALL
00008760							
398030.00000	3272220.00000	0.00268	26.82	26.82	0.00	PERIOD	ALL
00008760							
398030.00000	3272320.00000	0.00276	26.82	26.82	0.00	PERIOD	ALL
00008760							
398030.00000	3272420.00000	0.00284	26.75	26.75	0.00	PERIOD	ALL
00008760							
398030.00000	3272520.00000	0.00293	26.82	26.82	0.00	PERIOD	ALL
00008760							
398030.00000	3272620.00000	0.00301	26.82	26.82	0.00	PERIOD	ALL
00008760							
398030.00000	3272720.00000	0.00308	26.82	26.82	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
398030.00000	3272820.00000	0.00315	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3272920.00000	0.00320	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3273020.00000	0.00324	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3273120.00000	0.00328	27.64	27.64	0.00	PERIOD	ALL	
00008760								
398030.00000	3273220.00000	0.00331	27.03	27.03	0.00	PERIOD	ALL	
00008760								
398030.00000	3273320.00000	0.00333	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3273420.00000	0.00335	27.23	27.23	0.00	PERIOD	ALL	
00008760								
398030.00000	3273520.00000	0.00336	27.88	27.88	0.00	PERIOD	ALL	
00008760								
398030.00000	3273620.00000	0.00331	27.03	27.03	0.00	PERIOD	ALL	
00008760								
398030.00000	3273720.00000	0.00324	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3273820.00000	0.00314	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398030.00000	3273920.00000	0.00301	27.27	27.27	0.00	PERIOD	ALL	
00008760								
398030.00000	3274020.00000	0.00284	27.94	27.94	0.00	PERIOD	ALL	
00008760								
398030.00000	3274120.00000	0.00269	31.89	31.89	0.00	PERIOD	ALL	
00008760								
398030.00000	3274220.00000	0.00260	35.08	35.08	0.00	PERIOD	ALL	
00008760								
398030.00000	3274320.00000	0.00254	37.69	37.69	0.00	PERIOD	ALL	
00008760								
398030.00000	3274420.00000	0.00244	39.64	39.64	0.00	PERIOD	ALL	
00008760								
398030.00000	3274520.00000	0.00237	41.02	41.02	0.00	PERIOD	ALL	
00008760								
398030.00000	3274620.00000	0.00233	41.86	41.86	0.00	PERIOD	ALL	
00008760								
398030.00000	3274720.00000	0.00231	40.66	40.66	0.00	PERIOD	ALL	
00008760								
398030.00000	3274820.00000	0.00224	37.92	37.92	0.00	PERIOD	ALL	
00008760								
398030.00000	3274920.00000	0.00216	33.73	33.73	0.00	PERIOD	ALL	
00008760								
398030.00000	3275020.00000	0.00208	30.66	30.66	0.00	PERIOD	ALL	
00008760								
398030.00000	3275120.00000	0.00200	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275220.00000	0.00191	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275320.00000	0.00182	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275420.00000	0.00172	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275520.00000	0.00161	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275620.00000	0.00151	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275720.00000	0.00141	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398030.00000	3275820.00000	0.00132	29.87	29.87	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
398130.00000	3271820.00000	0.00252	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3271920.00000	0.00259	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272020.00000	0.00267	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272120.00000	0.00275	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272220.00000	0.00284	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272320.00000	0.00292	26.62	26.62	0.00	PERIOD	ALL
00008760							
398130.00000	3272420.00000	0.00302	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272520.00000	0.00312	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272620.00000	0.00321	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272720.00000	0.00331	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272820.00000	0.00339	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3272920.00000	0.00346	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273020.00000	0.00352	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273120.00000	0.00359	28.65	28.65	0.00	PERIOD	ALL
00008760							
398130.00000	3273220.00000	0.00361	27.53	27.53	0.00	PERIOD	ALL
00008760							
398130.00000	3273320.00000	0.00364	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273420.00000	0.00366	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273520.00000	0.00367	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273620.00000	0.00364	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273720.00000	0.00356	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273820.00000	0.00345	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3273920.00000	0.00329	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3274020.00000	0.00309	26.82	26.82	0.00	PERIOD	ALL
00008760							
398130.00000	3274120.00000	0.00291	28.75	28.75	0.00	PERIOD	ALL
00008760							
398130.00000	3274220.00000	0.00283	32.31	32.31	0.00	PERIOD	ALL
00008760							
398130.00000	3274320.00000	0.00274	35.36	35.36	0.00	PERIOD	ALL
00008760							
398130.00000	3274420.00000	0.00262	36.07	36.07	0.00	PERIOD	ALL
00008760							
398130.00000	3274520.00000	0.00259	38.20	38.20	0.00	PERIOD	ALL
00008760							
398130.00000	3274620.00000	0.00254	38.40	38.40	0.00	PERIOD	ALL
00008760							
398130.00000	3274720.00000	0.00246	36.68	36.68	0.00	PERIOD	ALL
00008760							
398130.00000	3274820.00000	0.00240	34.44	34.44	0.00	PERIOD	ALL
00008760							
398130.00000	3274920.00000	0.00230	31.09	31.09	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
398130.00000	3275020.00000	0.00220	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275120.00000	0.00211	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275220.00000	0.00200	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275320.00000	0.00188	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275420.00000	0.00176	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275520.00000	0.00164	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275620.00000	0.00152	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275720.00000	0.00142	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398130.00000	3275820.00000	0.00133	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398230.00000	3271820.00000	0.00265	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3271920.00000	0.00273	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3272020.00000	0.00282	26.75	26.75	0.00	PERIOD	ALL	
00008760								
398230.00000	3272120.00000	0.00291	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3272220.00000	0.00301	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3272320.00000	0.00311	26.75	26.75	0.00	PERIOD	ALL	
00008760								
398230.00000	3272420.00000	0.00322	26.75	26.75	0.00	PERIOD	ALL	
00008760								
398230.00000	3272520.00000	0.00333	26.72	26.72	0.00	PERIOD	ALL	
00008760								
398230.00000	3272620.00000	0.00345	26.77	26.77	0.00	PERIOD	ALL	
00008760								
398230.00000	3272720.00000	0.00356	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3272820.00000	0.00367	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3272920.00000	0.00376	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3273020.00000	0.00384	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3273120.00000	0.00391	27.64	27.64	0.00	PERIOD	ALL	
00008760								
398230.00000	3273220.00000	0.00396	27.45	27.45	0.00	PERIOD	ALL	
00008760								
398230.00000	3273320.00000	0.00400	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3273420.00000	0.00404	27.33	27.33	0.00	PERIOD	ALL	
00008760								
398230.00000	3273520.00000	0.00405	26.88	26.88	0.00	PERIOD	ALL	
00008760								
398230.00000	3273620.00000	0.00403	26.88	26.88	0.00	PERIOD	ALL	
00008760								
398230.00000	3273720.00000	0.00395	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3273820.00000	0.00383	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398230.00000	3273920.00000	0.00364	26.82	26.82	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
398230.00000	3274020.00000	0.00341	27.53	27.53	0.00	PERIOD	ALL
00008760							
398230.00000	3274120.00000	0.00322	28.89	28.89	0.00	PERIOD	ALL
00008760							
398230.00000	3274220.00000	0.00311	29.51	29.51	0.00	PERIOD	ALL
00008760							
398230.00000	3274320.00000	0.00298	33.02	33.02	0.00	PERIOD	ALL
00008760							
398230.00000	3274420.00000	0.00287	34.07	34.07	0.00	PERIOD	ALL
00008760							
398230.00000	3274520.00000	0.00282	36.13	36.13	0.00	PERIOD	ALL
00008760							
398230.00000	3274620.00000	0.00274	34.95	34.95	0.00	PERIOD	ALL
00008760							
398230.00000	3274720.00000	0.00265	32.22	32.22	0.00	PERIOD	ALL
00008760							
398230.00000	3274820.00000	0.00257	31.77	31.77	0.00	PERIOD	ALL
00008760							
398230.00000	3274920.00000	0.00245	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275020.00000	0.00234	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275120.00000	0.00221	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275220.00000	0.00208	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275320.00000	0.00194	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275420.00000	0.00179	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275520.00000	0.00165	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275620.00000	0.00153	29.87	29.87	0.00	PERIOD	ALL
00008760							
398230.00000	3275720.00000	0.00143	29.76	29.76	0.00	PERIOD	ALL
00008760							
398230.00000	3275820.00000	0.00134	29.87	29.87	0.00	PERIOD	ALL
00008760							
398330.00000	3271820.00000	0.00278	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3271920.00000	0.00288	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272020.00000	0.00298	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272120.00000	0.00308	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272220.00000	0.00320	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272320.00000	0.00331	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272420.00000	0.00344	26.75	26.75	0.00	PERIOD	ALL
00008760							
398330.00000	3272520.00000	0.00357	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272620.00000	0.00371	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272720.00000	0.00384	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272820.00000	0.00397	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3272920.00000	0.00410	26.82	26.82	0.00	PERIOD	ALL
00008760							
398330.00000	3273020.00000	0.00421	26.82	26.82	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
398330.00000	3273120.00000	0.00430	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398330.00000	3273220.00000	0.00437	26.88	26.88	0.00	PERIOD	ALL	
00008760								
398330.00000	3273320.00000	0.00444	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398330.00000	3273420.00000	0.00453	29.16	29.16	0.00	PERIOD	ALL	
00008760								
398330.00000	3273520.00000	0.00457	29.86	29.86	0.00	PERIOD	ALL	
00008760								
398330.00000	3273620.00000	0.00451	27.82	27.82	0.00	PERIOD	ALL	
00008760								
398330.00000	3273720.00000	0.00442	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398330.00000	3273820.00000	0.00428	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398330.00000	3273920.00000	0.00408	27.98	27.98	0.00	PERIOD	ALL	
00008760								
398330.00000	3274020.00000	0.00384	31.29	31.29	0.00	PERIOD	ALL	
00008760								
398330.00000	3274120.00000	0.00363	31.39	31.39	0.00	PERIOD	ALL	
00008760								
398330.00000	3274220.00000	0.00350	32.22	32.22	0.00	PERIOD	ALL	
00008760								
398330.00000	3274320.00000	0.00333	35.15	35.15	0.00	PERIOD	ALL	
00008760								
398330.00000	3274420.00000	0.00323	36.83	36.83	0.00	PERIOD	ALL	
00008760								
398330.00000	3274520.00000	0.00314	37.01	37.01	0.00	PERIOD	ALL	
00008760								
398330.00000	3274620.00000	0.00300	33.43	33.43	0.00	PERIOD	ALL	
00008760								
398330.00000	3274720.00000	0.00288	30.11	30.11	0.00	PERIOD	ALL	
00008760								
398330.00000	3274820.00000	0.00276	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3274920.00000	0.00263	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275020.00000	0.00248	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275120.00000	0.00232	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275220.00000	0.00215	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275320.00000	0.00197	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275420.00000	0.00181	29.76	29.76	0.00	PERIOD	ALL	
00008760								
398330.00000	3275520.00000	0.00167	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275620.00000	0.00154	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275720.00000	0.00144	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398330.00000	3275820.00000	0.00135	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398430.00000	3271820.00000	0.00291	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398430.00000	3271920.00000	0.00302	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398430.00000	3272020.00000	0.00314	26.82	26.82	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
398430.00000	3272120.00000	0.00327	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272220.00000	0.00340	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272320.00000	0.00354	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272420.00000	0.00368	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272520.00000	0.00383	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272620.00000	0.00399	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272720.00000	0.00416	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272820.00000	0.00432	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3272920.00000	0.00449	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3273020.00000	0.00464	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3273120.00000	0.00477	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3273220.00000	0.00490	27.84	27.84	0.00	PERIOD	ALL
00008760							
398430.00000	3273320.00000	0.00497	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3273420.00000	0.00506	28.04	28.04	0.00	PERIOD	ALL
00008760							
398430.00000	3273520.00000	0.00514	29.36	29.36	0.00	PERIOD	ALL
00008760							
398430.00000	3273620.00000	0.00508	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3273720.00000	0.00499	26.82	26.82	0.00	PERIOD	ALL
00008760							
398430.00000	3273820.00000	0.00487	28.55	28.55	0.00	PERIOD	ALL
00008760							
398430.00000	3273920.00000	0.00469	33.63	33.63	0.00	PERIOD	ALL
00008760							
398430.00000	3274020.00000	0.00438	35.66	35.66	0.00	PERIOD	ALL
00008760							
398430.00000	3274120.00000	0.00417	35.05	35.05	0.00	PERIOD	ALL
00008760							
398430.00000	3274220.00000	0.00397	35.76	35.76	0.00	PERIOD	ALL
00008760							
398430.00000	3274320.00000	0.00379	37.80	37.80	0.00	PERIOD	ALL
00008760							
398430.00000	3274420.00000	0.00365	38.00	38.00	0.00	PERIOD	ALL
00008760							
398430.00000	3274520.00000	0.00349	36.37	36.37	0.00	PERIOD	ALL
00008760							
398430.00000	3274620.00000	0.00336	35.05	35.05	0.00	PERIOD	ALL
00008760							
398430.00000	3274720.00000	0.00317	31.19	31.19	0.00	PERIOD	ALL
00008760							
398430.00000	3274820.00000	0.00299	29.87	29.87	0.00	PERIOD	ALL
00008760							
398430.00000	3274920.00000	0.00281	29.87	29.87	0.00	PERIOD	ALL
00008760							
398430.00000	3275020.00000	0.00262	29.87	29.87	0.00	PERIOD	ALL
00008760							
398430.00000	3275120.00000	0.00241	29.87	29.87	0.00	PERIOD	ALL
00008760							
398430.00000	3275220.00000	0.00219	29.57	29.57	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
398430.00000	3275320.00000	0.00199	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398430.00000	3275420.00000	0.00183	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398430.00000	3275520.00000	0.00168	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398430.00000	3275620.00000	0.00156	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398430.00000	3275720.00000	0.00145	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398430.00000	3275820.00000	0.00136	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398530.00000	3271820.00000	0.00302	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3271920.00000	0.00316	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272020.00000	0.00331	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272120.00000	0.00346	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272220.00000	0.00361	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272320.00000	0.00378	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272420.00000	0.00395	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272520.00000	0.00413	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272620.00000	0.00431	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272720.00000	0.00451	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272820.00000	0.00473	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3272920.00000	0.00494	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3273020.00000	0.00515	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3273120.00000	0.00535	27.23	27.23	0.00	PERIOD	ALL	
00008760								
398530.00000	3273220.00000	0.00549	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3273320.00000	0.00566	28.54	28.54	0.00	PERIOD	ALL	
00008760								
398530.00000	3273420.00000	0.00578	29.57	29.57	0.00	PERIOD	ALL	
00008760								
398530.00000	3273520.00000	0.00585	29.18	29.18	0.00	PERIOD	ALL	
00008760								
398530.00000	3273620.00000	0.00580	26.88	26.88	0.00	PERIOD	ALL	
00008760								
398530.00000	3273720.00000	0.00571	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398530.00000	3273820.00000	0.00564	31.71	31.71	0.00	PERIOD	ALL	
00008760								
398530.00000	3273920.00000	0.00540	35.66	35.66	0.00	PERIOD	ALL	
00008760								
398530.00000	3274020.00000	0.00507	39.22	39.22	0.00	PERIOD	ALL	
00008760								
398530.00000	3274120.00000	0.00491	39.94	39.94	0.00	PERIOD	ALL	
00008760								
398530.00000	3274220.00000	0.00461	40.48	40.48	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
398530.00000	3274320.00000	0.00429	37.39	37.39	0.00	PERIOD	ALL
00008760							
398530.00000	3274420.00000	0.00405	34.23	34.23	0.00	PERIOD	ALL
00008760							
398530.00000	3274520.00000	0.00388	34.03	34.03	0.00	PERIOD	ALL
00008760							
398530.00000	3274620.00000	0.00367	31.29	31.29	0.00	PERIOD	ALL
00008760							
398530.00000	3274720.00000	0.00345	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3274820.00000	0.00324	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3274920.00000	0.00299	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275020.00000	0.00272	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275120.00000	0.00245	29.82	29.82	0.00	PERIOD	ALL
00008760							
398530.00000	3275220.00000	0.00222	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275320.00000	0.00202	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275420.00000	0.00185	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275520.00000	0.00170	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275620.00000	0.00158	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3275720.00000	0.00147	29.76	29.76	0.00	PERIOD	ALL
00008760							
398530.00000	3275820.00000	0.00137	29.87	29.87	0.00	PERIOD	ALL
00008760							
398630.00000	3271820.00000	0.00313	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3271920.00000	0.00329	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272020.00000	0.00346	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272120.00000	0.00364	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272220.00000	0.00383	27.03	27.03	0.00	PERIOD	ALL
00008760							
398630.00000	3272320.00000	0.00402	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272420.00000	0.00423	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272520.00000	0.00444	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272620.00000	0.00467	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272720.00000	0.00492	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272820.00000	0.00518	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3272920.00000	0.00546	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3273020.00000	0.00579	28.76	28.76	0.00	PERIOD	ALL
00008760							
398630.00000	3273120.00000	0.00609	29.57	29.57	0.00	PERIOD	ALL
00008760							
398630.00000	3273220.00000	0.00626	26.82	26.82	0.00	PERIOD	ALL
00008760							
398630.00000	3273320.00000	0.00645	27.09	27.09	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
398630.00000	3273420.00000	0.00660	26.92	26.92	0.00	PERIOD	ALL	
00008760								
398630.00000	3273520.00000	0.00674	28.82	28.82	0.00	PERIOD	ALL	
00008760								
398630.00000	3273620.00000	0.00680	29.95	29.95	0.00	PERIOD	ALL	
00008760								
398630.00000	3273720.00000	0.00664	27.43	27.43	0.00	PERIOD	ALL	
00008760								
398630.00000	3273820.00000	0.00655	31.79	31.79	0.00	PERIOD	ALL	
00008760								
398630.00000	3273920.00000	0.00622	35.05	35.05	0.00	PERIOD	ALL	
00008760								
398630.00000	3274020.00000	0.00588	39.42	39.42	0.00	PERIOD	ALL	
00008760								
398630.00000	3274120.00000	0.00564	41.58	41.58	0.00	PERIOD	ALL	
00008760								
398630.00000	3274220.00000	0.00523	41.65	41.65	0.00	PERIOD	ALL	
00008760								
398630.00000	3274320.00000	0.00489	36.88	36.88	0.00	PERIOD	ALL	
00008760								
398630.00000	3274420.00000	0.00452	30.80	30.80	0.00	PERIOD	ALL	
00008760								
398630.00000	3274520.00000	0.00430	29.93	29.93	0.00	PERIOD	ALL	
00008760								
398630.00000	3274620.00000	0.00406	30.18	30.18	0.00	PERIOD	ALL	
00008760								
398630.00000	3274720.00000	0.00378	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3274820.00000	0.00347	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3274920.00000	0.00312	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275020.00000	0.00278	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275120.00000	0.00249	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275220.00000	0.00225	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275320.00000	0.00204	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275420.00000	0.00187	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275520.00000	0.00172	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275620.00000	0.00159	29.76	29.76	0.00	PERIOD	ALL	
00008760								
398630.00000	3275720.00000	0.00148	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398630.00000	3275820.00000	0.00137	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398730.00000	3271820.00000	0.00327	31.60	31.60	0.00	PERIOD	ALL	
00008760								
398730.00000	3271920.00000	0.00343	29.57	29.57	0.00	PERIOD	ALL	
00008760								
398730.00000	3272020.00000	0.00361	27.84	27.84	0.00	PERIOD	ALL	
00008760								
398730.00000	3272120.00000	0.00385	29.36	29.36	0.00	PERIOD	ALL	
00008760								
398730.00000	3272220.00000	0.00408	29.57	29.57	0.00	PERIOD	ALL	
00008760								
398730.00000	3272320.00000	0.00429	27.74	27.74	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
398730.00000	3272420.00000	0.00452	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3272520.00000	0.00478	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3272620.00000	0.00506	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3272720.00000	0.00537	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3272820.00000	0.00570	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3272920.00000	0.00611	29.06	29.06	0.00	PERIOD	ALL
00008760							
398730.00000	3273020.00000	0.00659	31.90	31.90	0.00	PERIOD	ALL
00008760							
398730.00000	3273120.00000	0.00690	29.26	29.26	0.00	PERIOD	ALL
00008760							
398730.00000	3273220.00000	0.00725	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3273320.00000	0.00752	27.53	27.53	0.00	PERIOD	ALL
00008760							
398730.00000	3273420.00000	0.00775	26.82	26.82	0.00	PERIOD	ALL
00008760							
398730.00000	3273520.00000	0.00786	27.13	27.13	0.00	PERIOD	ALL
00008760							
398730.00000	3273620.00000	0.00797	28.55	28.55	0.00	PERIOD	ALL
00008760							
398730.00000	3273720.00000	0.00798	31.70	31.70	0.00	PERIOD	ALL
00008760							
398730.00000	3273820.00000	0.00776	33.22	33.22	0.00	PERIOD	ALL
00008760							
398730.00000	3273920.00000	0.00729	35.66	35.66	0.00	PERIOD	ALL
00008760							
398730.00000	3274020.00000	0.00689	38.40	38.40	0.00	PERIOD	ALL
00008760							
398730.00000	3274120.00000	0.00657	39.73	39.73	0.00	PERIOD	ALL
00008760							
398730.00000	3274220.00000	0.00611	40.13	40.13	0.00	PERIOD	ALL
00008760							
398730.00000	3274320.00000	0.00560	35.97	35.97	0.00	PERIOD	ALL
00008760							
398730.00000	3274420.00000	0.00514	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3274520.00000	0.00484	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3274620.00000	0.00450	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3274720.00000	0.00410	30.58	30.58	0.00	PERIOD	ALL
00008760							
398730.00000	3274820.00000	0.00363	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3274920.00000	0.00320	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3275020.00000	0.00283	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3275120.00000	0.00253	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3275220.00000	0.00228	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3275320.00000	0.00207	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3275420.00000	0.00189	29.87	29.87	0.00	PERIOD	ALL
00008760							
398730.00000	3275520.00000	0.00173	29.87	29.87	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
398730.00000	3275620.00000	0.00159	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398730.00000	3275720.00000	0.00147	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398730.00000	3275820.00000	0.00137	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398830.00000	3271820.00000	0.00339	36.43	36.43	0.00	PERIOD	ALL	
00008760								
398830.00000	3271920.00000	0.00355	32.31	32.31	0.00	PERIOD	ALL	
00008760								
398830.00000	3272020.00000	0.00377	31.16	31.16	0.00	PERIOD	ALL	
00008760								
398830.00000	3272120.00000	0.00400	29.89	29.89	0.00	PERIOD	ALL	
00008760								
398830.00000	3272220.00000	0.00428	30.78	30.78	0.00	PERIOD	ALL	
00008760								
398830.00000	3272320.00000	0.00456	30.22	30.22	0.00	PERIOD	ALL	
00008760								
398830.00000	3272420.00000	0.00487	30.15	30.15	0.00	PERIOD	ALL	
00008760								
398830.00000	3272520.00000	0.00515	27.94	27.94	0.00	PERIOD	ALL	
00008760								
398830.00000	3272620.00000	0.00547	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398830.00000	3272720.00000	0.00585	26.82	26.82	0.00	PERIOD	ALL	
00008760								
398830.00000	3272820.00000	0.00629	27.64	27.64	0.00	PERIOD	ALL	
00008760								
398830.00000	3272920.00000	0.00690	31.89	31.89	0.00	PERIOD	ALL	
00008760								
398830.00000	3273020.00000	0.00739	31.45	31.45	0.00	PERIOD	ALL	
00008760								
398830.00000	3273120.00000	0.00793	29.26	29.26	0.00	PERIOD	ALL	
00008760								
398830.00000	3273220.00000	0.00842	27.43	27.43	0.00	PERIOD	ALL	
00008760								
398830.00000	3273320.00000	0.00906	29.76	29.76	0.00	PERIOD	ALL	
00008760								
398830.00000	3273420.00000	0.00943	31.29	31.29	0.00	PERIOD	ALL	
00008760								
398830.00000	3273520.00000	0.00970	31.91	31.91	0.00	PERIOD	ALL	
00008760								
398830.00000	3273620.00000	0.00966	30.01	30.01	0.00	PERIOD	ALL	
00008760								
398830.00000	3273720.00000	0.00937	28.45	28.45	0.00	PERIOD	ALL	
00008760								
398830.00000	3273820.00000	0.00915	31.53	31.53	0.00	PERIOD	ALL	
00008760								
398830.00000	3273920.00000	0.00857	34.36	34.36	0.00	PERIOD	ALL	
00008760								
398830.00000	3274020.00000	0.00810	36.37	36.37	0.00	PERIOD	ALL	
00008760								
398830.00000	3274120.00000	0.00759	38.60	38.60	0.00	PERIOD	ALL	
00008760								
398830.00000	3274220.00000	0.00700	37.96	37.96	0.00	PERIOD	ALL	
00008760								
398830.00000	3274320.00000	0.00638	33.93	33.93	0.00	PERIOD	ALL	
00008760								
398830.00000	3274420.00000	0.00588	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398830.00000	3274520.00000	0.00544	29.87	29.87	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
398830.00000	3274620.00000	0.00490	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3274720.00000	0.00430	29.94	29.94	0.00	PERIOD	ALL
00008760							
398830.00000	3274820.00000	0.00374	30.05	30.05	0.00	PERIOD	ALL
00008760							
398830.00000	3274920.00000	0.00327	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275020.00000	0.00289	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275120.00000	0.00257	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275220.00000	0.00231	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275320.00000	0.00208	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275420.00000	0.00188	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275520.00000	0.00172	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275620.00000	0.00158	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275720.00000	0.00147	29.87	29.87	0.00	PERIOD	ALL
00008760							
398830.00000	3275820.00000	0.00137	29.87	29.87	0.00	PERIOD	ALL
00008760							
398930.00000	3271820.00000	0.00344	36.67	36.67	0.00	PERIOD	ALL
00008760							
398930.00000	3271920.00000	0.00361	31.50	31.50	0.00	PERIOD	ALL
00008760							
398930.00000	3272020.00000	0.00383	29.25	29.25	0.00	PERIOD	ALL
00008760							
398930.00000	3272120.00000	0.00406	25.77	25.77	0.00	PERIOD	ALL
00008760							
398930.00000	3272220.00000	0.00441	28.96	28.96	0.00	PERIOD	ALL
00008760							
398930.00000	3272320.00000	0.00478	30.91	30.91	0.00	PERIOD	ALL
00008760							
398930.00000	3272420.00000	0.00519	33.21	33.21	0.00	PERIOD	ALL
00008760							
398930.00000	3272520.00000	0.00563	34.44	34.44	0.00	PERIOD	ALL
00008760							
398930.00000	3272620.00000	0.00598	30.55	32.00	0.00	PERIOD	ALL
00008760							
398930.00000	3272720.00000	0.00637	27.00	27.00	0.00	PERIOD	ALL
00008760							
398930.00000	3272820.00000	0.00700	30.48	30.48	0.00	PERIOD	ALL
00008760							
398930.00000	3272920.00000	0.00775	34.10	34.10	0.00	PERIOD	ALL
00008760							
398930.00000	3273020.00000	0.00836	30.58	30.58	0.00	PERIOD	ALL
00008760							
398930.00000	3273120.00000	0.00905	28.35	28.35	0.00	PERIOD	ALL
00008760							
398930.00000	3273220.00000	0.01008	28.85	28.85	0.00	PERIOD	ALL
00008760							
398930.00000	3273320.00000	0.01119	32.47	32.47	0.00	PERIOD	ALL
00008760							
398930.00000	3273420.00000	0.01193	35.66	35.66	0.00	PERIOD	ALL
00008760							
398930.00000	3273520.00000	0.01241	36.01	36.01	0.00	PERIOD	ALL
00008760							
398930.00000	3273620.00000	0.01214	33.89	33.89	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
398930.00000	3273720.00000	0.01171	31.80	31.80	0.00	PERIOD	ALL	
00008760								
398930.00000	3273820.00000	0.01094	30.52	30.52	0.00	PERIOD	ALL	
00008760								
398930.00000	3273920.00000	0.01017	32.90	32.90	0.00	PERIOD	ALL	
00008760								
398930.00000	3274020.00000	0.00980	37.59	37.59	0.00	PERIOD	ALL	
00008760								
398930.00000	3274120.00000	0.00889	37.82	37.82	0.00	PERIOD	ALL	
00008760								
398930.00000	3274220.00000	0.00793	33.35	33.35	0.00	PERIOD	ALL	
00008760								
398930.00000	3274320.00000	0.00725	29.97	29.97	0.00	PERIOD	ALL	
00008760								
398930.00000	3274420.00000	0.00669	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3274520.00000	0.00598	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3274620.00000	0.00517	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3274720.00000	0.00442	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3274820.00000	0.00383	30.42	30.42	0.00	PERIOD	ALL	
00008760								
398930.00000	3274920.00000	0.00333	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275020.00000	0.00292	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275120.00000	0.00258	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275220.00000	0.00229	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275320.00000	0.00206	29.94	29.94	0.00	PERIOD	ALL	
00008760								
398930.00000	3275420.00000	0.00187	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275520.00000	0.00171	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275620.00000	0.00158	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275720.00000	0.00147	29.87	29.87	0.00	PERIOD	ALL	
00008760								
398930.00000	3275820.00000	0.00137	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399030.00000	3271820.00000	0.00343	34.34	34.34	0.00	PERIOD	ALL	
00008760								
399030.00000	3271920.00000	0.00364	31.39	31.39	0.00	PERIOD	ALL	
00008760								
399030.00000	3272020.00000	0.00389	29.46	29.46	0.00	PERIOD	ALL	
00008760								
399030.00000	3272120.00000	0.00413	25.70	25.70	0.00	PERIOD	ALL	
00008760								
399030.00000	3272220.00000	0.00450	28.04	28.04	0.00	PERIOD	ALL	
00008760								
399030.00000	3272320.00000	0.00495	32.00	32.00	0.00	PERIOD	ALL	
00008760								
399030.00000	3272420.00000	0.00543	34.54	34.54	0.00	PERIOD	ALL	
00008760								
399030.00000	3272520.00000	0.00595	35.66	35.66	0.00	PERIOD	ALL	
00008760								
399030.00000	3272620.00000	0.00639	31.80	31.80	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
399030.00000	3272720.00000	0.00693	29.46	29.46	0.00	PERIOD	ALL
00008760							
399030.00000	3272820.00000	0.00756	27.13	27.13	0.00	PERIOD	ALL
00008760							
399030.00000	3272920.00000	0.00856	31.50	31.50	0.00	PERIOD	ALL
00008760							
399030.00000	3273020.00000	0.00927	28.14	30.18	0.00	PERIOD	ALL
00008760							
399030.00000	3273120.00000	0.01038	27.74	27.74	0.00	PERIOD	ALL
00008760							
399030.00000	3273220.00000	0.01188	30.38	30.38	0.00	PERIOD	ALL
00008760							
399030.00000	3273320.00000	0.01372	33.22	33.22	0.00	PERIOD	ALL
00008760							
399030.00000	3273420.00000	0.01573	38.40	38.40	0.00	PERIOD	ALL
00008760							
399030.00000	3273520.00000	0.01579	38.20	38.20	0.00	PERIOD	ALL
00008760							
399030.00000	3273620.00000	0.01586	36.58	36.58	0.00	PERIOD	ALL
00008760							
399030.00000	3273720.00000	0.01515	35.66	35.66	0.00	PERIOD	ALL
00008760							
399030.00000	3273820.00000	0.01367	34.34	34.34	0.00	PERIOD	ALL
00008760							
399030.00000	3273920.00000	0.01225	32.82	32.82	0.00	PERIOD	ALL
00008760							
399030.00000	3274020.00000	0.01144	35.05	35.05	0.00	PERIOD	ALL
00008760							
399030.00000	3274120.00000	0.01025	34.85	34.85	0.00	PERIOD	ALL
00008760							
399030.00000	3274220.00000	0.00910	30.28	30.28	0.00	PERIOD	ALL
00008760							
399030.00000	3274320.00000	0.00837	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3274420.00000	0.00741	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3274520.00000	0.00630	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3274620.00000	0.00531	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3274720.00000	0.00452	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3274820.00000	0.00387	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3274920.00000	0.00334	30.48	30.48	0.00	PERIOD	ALL
00008760							
399030.00000	3275020.00000	0.00289	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3275120.00000	0.00254	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3275220.00000	0.00228	31.09	31.09	0.00	PERIOD	ALL
00008760							
399030.00000	3275320.00000	0.00206	31.50	31.50	0.00	PERIOD	ALL
00008760							
399030.00000	3275420.00000	0.00187	31.50	31.50	0.00	PERIOD	ALL
00008760							
399030.00000	3275520.00000	0.00172	31.39	31.39	0.00	PERIOD	ALL
00008760							
399030.00000	3275620.00000	0.00158	30.38	30.38	0.00	PERIOD	ALL
00008760							
399030.00000	3275720.00000	0.00147	30.68	30.68	0.00	PERIOD	ALL
00008760							
399030.00000	3275820.00000	0.00137	30.48	30.48	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
399130.00000	3271820.00000	0.00343	34.94	34.94	0.00	PERIOD	ALL	
00008760								
399130.00000	3271920.00000	0.00366	32.51	32.51	0.00	PERIOD	ALL	
00008760								
399130.00000	3272020.00000	0.00390	29.68	29.68	0.00	PERIOD	ALL	
00008760								
399130.00000	3272120.00000	0.00420	28.18	28.18	0.00	PERIOD	ALL	
00008760								
399130.00000	3272220.00000	0.00459	30.38	30.38	0.00	PERIOD	ALL	
00008760								
399130.00000	3272320.00000	0.00503	31.91	31.91	0.00	PERIOD	ALL	
00008760								
399130.00000	3272420.00000	0.00551	32.14	32.14	0.00	PERIOD	ALL	
00008760								
399130.00000	3272520.00000	0.00614	35.26	35.26	0.00	PERIOD	ALL	
00008760								
399130.00000	3272620.00000	0.00671	32.89	32.89	0.00	PERIOD	ALL	
00008760								
399130.00000	3272720.00000	0.00733	29.14	29.14	0.00	PERIOD	ALL	
00008760								
399130.00000	3272820.00000	0.00811	26.82	26.82	0.00	PERIOD	ALL	
00008760								
399130.00000	3272920.00000	0.00911	27.00	27.00	0.00	PERIOD	ALL	
00008760								
399130.00000	3273020.00000	0.01042	26.82	26.82	0.00	PERIOD	ALL	
00008760								
399130.00000	3273120.00000	0.01185	26.82	26.82	0.00	PERIOD	ALL	
00008760								
399130.00000	3273220.00000	0.01388	29.71	29.71	0.00	PERIOD	ALL	
00008760								
399130.00000	3273320.00000	0.01682	34.86	34.86	0.00	PERIOD	ALL	
00008760								
399130.00000	3273420.00000	0.02056	40.64	40.64	0.00	PERIOD	ALL	
00008760								
399130.00000	3273520.00000	0.02284	40.91	40.91	0.00	PERIOD	ALL	
00008760								
399130.00000	3273620.00000	0.02214	40.73	40.73	0.00	PERIOD	ALL	
00008760								
399130.00000	3273720.00000	0.02093	39.62	39.62	0.00	PERIOD	ALL	
00008760								
399130.00000	3273820.00000	0.01767	38.97	38.97	0.00	PERIOD	ALL	
00008760								
399130.00000	3273920.00000	0.01573	38.14	38.14	0.00	PERIOD	ALL	
00008760								
399130.00000	3274020.00000	0.01329	32.72	32.72	0.00	PERIOD	ALL	
00008760								
399130.00000	3274120.00000	0.01161	30.31	30.31	0.00	PERIOD	ALL	
00008760								
399130.00000	3274220.00000	0.01067	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399130.00000	3274320.00000	0.00934	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399130.00000	3274420.00000	0.00778	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399130.00000	3274520.00000	0.00646	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399130.00000	3274620.00000	0.00541	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399130.00000	3274720.00000	0.00460	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399130.00000	3274820.00000	0.00388	29.87	29.87	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05						
399130.00000	3274920.00000	0.00331	30.99	30.99	0.00	PERIOD	ALL	
00008760								
399130.00000	3275020.00000	0.00289	31.82	31.82	0.00	PERIOD	ALL	
00008760								
399130.00000	3275120.00000	0.00256	32.70	32.70	0.00	PERIOD	ALL	
00008760								
399130.00000	3275220.00000	0.00231	34.85	34.85	0.00	PERIOD	ALL	
00008760								
399130.00000	3275320.00000	0.00210	36.05	36.05	0.00	PERIOD	ALL	
00008760								
399130.00000	3275420.00000	0.00190	34.87	34.87	0.00	PERIOD	ALL	
00008760								
399130.00000	3275520.00000	0.00174	33.73	33.73	0.00	PERIOD	ALL	
00008760								
399130.00000	3275620.00000	0.00160	32.61	32.61	0.00	PERIOD	ALL	
00008760								
399130.00000	3275720.00000	0.00148	32.36	32.36	0.00	PERIOD	ALL	
00008760								
399130.00000	3275820.00000	0.00138	32.41	32.41	0.00	PERIOD	ALL	
00008760								
399230.00000	3271820.00000	0.00339	34.33	34.33	0.00	PERIOD	ALL	
00008760								
399230.00000	3271920.00000	0.00363	33.53	33.53	0.00	PERIOD	ALL	
00008760								
399230.00000	3272020.00000	0.00387	29.86	29.86	0.00	PERIOD	ALL	
00008760								
399230.00000	3272120.00000	0.00418	28.96	28.96	0.00	PERIOD	ALL	
00008760								
399230.00000	3272220.00000	0.00461	32.21	32.21	0.00	PERIOD	ALL	
00008760								
399230.00000	3272320.00000	0.00507	33.72	33.72	0.00	PERIOD	ALL	
00008760								
399230.00000	3272420.00000	0.00555	32.90	32.90	0.00	PERIOD	ALL	
00008760								
399230.00000	3272520.00000	0.00617	33.93	33.93	0.00	PERIOD	ALL	
00008760								
399230.00000	3272620.00000	0.00680	31.64	31.64	0.00	PERIOD	ALL	
00008760								
399230.00000	3272720.00000	0.00754	28.92	28.92	0.00	PERIOD	ALL	
00008760								
399230.00000	3272820.00000	0.00846	26.82	26.82	0.00	PERIOD	ALL	
00008760								
399230.00000	3272920.00000	0.00969	26.82	26.82	0.00	PERIOD	ALL	
00008760								
399230.00000	3273020.00000	0.01123	26.82	26.82	0.00	PERIOD	ALL	
00008760								
399230.00000	3273120.00000	0.01335	28.45	28.45	0.00	PERIOD	ALL	
00008760								
399230.00000	3273220.00000	0.01687	32.95	32.95	0.00	PERIOD	ALL	
00008760								
399230.00000	3274020.00000	0.01614	35.76	35.76	0.00	PERIOD	ALL	
00008760								
399230.00000	3274120.00000	0.01433	32.72	32.72	0.00	PERIOD	ALL	
00008760								
399230.00000	3274220.00000	0.01197	30.01	30.01	0.00	PERIOD	ALL	
00008760								
399230.00000	3274320.00000	0.00978	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399230.00000	3274420.00000	0.00812	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399230.00000	3274520.00000	0.00693	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399230.00000	3274620.00000	0.00562	29.87	29.87	0.00	PERIOD	ALL	

HAFLBMAC.P05

00008760								
399230.00000	3274720.00000	0.00458	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399230.00000	3274820.00000	0.00386	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399230.00000	3274920.00000	0.00335	32.82	32.82	0.00	PERIOD	ALL	
00008760								
399230.00000	3275020.00000	0.00292	33.22	33.22	0.00	PERIOD	ALL	
00008760								
399230.00000	3275120.00000	0.00261	35.63	35.63	0.00	PERIOD	ALL	
00008760								
399230.00000	3275220.00000	0.00234	36.98	36.98	0.00	PERIOD	ALL	
00008760								
399230.00000	3275320.00000	0.00213	39.57	39.57	0.00	PERIOD	ALL	
00008760								
399230.00000	3275420.00000	0.00192	36.90	36.90	0.00	PERIOD	ALL	
00008760								
399230.00000	3275520.00000	0.00174	34.85	34.85	0.00	PERIOD	ALL	
00008760								
399230.00000	3275620.00000	0.00160	34.19	34.19	0.00	PERIOD	ALL	
00008760								
399230.00000	3275720.00000	0.00149	34.30	34.30	0.00	PERIOD	ALL	
00008760								
399230.00000	3275820.00000	0.00138	34.04	34.04	0.00	PERIOD	ALL	
00008760								
399330.00000	3271820.00000	0.00333	34.14	34.14	0.00	PERIOD	ALL	
00008760								
399330.00000	3271920.00000	0.00355	32.61	32.61	0.00	PERIOD	ALL	
00008760								
399330.00000	3272020.00000	0.00382	31.50	31.50	0.00	PERIOD	ALL	
00008760								
399330.00000	3272120.00000	0.00411	29.67	29.67	0.00	PERIOD	ALL	
00008760								
399330.00000	3272220.00000	0.00452	32.31	32.31	0.00	PERIOD	ALL	
00008760								
399330.00000	3272320.00000	0.00498	34.04	34.04	0.00	PERIOD	ALL	
00008760								
399330.00000	3272420.00000	0.00547	33.53	33.53	0.00	PERIOD	ALL	
00008760								
399330.00000	3272520.00000	0.00605	32.92	32.92	0.00	PERIOD	ALL	
00008760								
399330.00000	3272620.00000	0.00676	32.41	32.41	0.00	PERIOD	ALL	
00008760								
399330.00000	3272720.00000	0.00763	32.41	32.41	0.00	PERIOD	ALL	
00008760								
399330.00000	3272820.00000	0.00859	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399330.00000	3272920.00000	0.00979	26.92	26.92	0.00	PERIOD	ALL	
00008760								
399330.00000	3273020.00000	0.01177	28.55	28.55	0.00	PERIOD	ALL	
00008760								
399330.00000	3273120.00000	0.01447	31.39	31.39	0.00	PERIOD	ALL	
00008760								
399330.00000	3273220.00000	0.01824	35.46	35.46	0.00	PERIOD	ALL	
00008760								
399330.00000	3274220.00000	0.01352	31.90	31.90	0.00	PERIOD	ALL	
00008760								
399330.00000	3274320.00000	0.01164	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399330.00000	3274420.00000	0.00883	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399330.00000	3274520.00000	0.00694	29.87	29.87	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
399330.00000	3274620.00000	0.00570	29.87	29.87	0.00	PERIOD	ALL
00008760							
399330.00000	3274720.00000	0.00467	29.87	29.87	0.00	PERIOD	ALL
00008760							
399330.00000	3274820.00000	0.00393	29.87	29.87	0.00	PERIOD	ALL
00008760							
399330.00000	3274920.00000	0.00341	34.14	34.14	0.00	PERIOD	ALL
00008760							
399330.00000	3275020.00000	0.00299	36.07	36.07	0.00	PERIOD	ALL
00008760							
399330.00000	3275120.00000	0.00264	37.19	37.19	0.00	PERIOD	ALL
00008760							
399330.00000	3275220.00000	0.00237	39.01	39.01	0.00	PERIOD	ALL
00008760							
399330.00000	3275320.00000	0.00215	40.03	40.03	0.00	PERIOD	ALL
00008760							
399330.00000	3275420.00000	0.00192	37.08	37.08	0.00	PERIOD	ALL
00008760							
399330.00000	3275520.00000	0.00175	35.66	35.66	0.00	PERIOD	ALL
00008760							
399330.00000	3275620.00000	0.00161	36.17	36.17	0.00	PERIOD	ALL
00008760							
399330.00000	3275720.00000	0.00150	36.98	36.98	0.00	PERIOD	ALL
00008760							
399330.00000	3275820.00000	0.00138	33.83	33.83	0.00	PERIOD	ALL
00008760							
399430.00000	3271820.00000	0.00323	33.72	33.72	0.00	PERIOD	ALL
00008760							
399430.00000	3271920.00000	0.00344	32.00	32.00	0.00	PERIOD	ALL
00008760							
399430.00000	3272020.00000	0.00372	33.03	33.03	0.00	PERIOD	ALL
00008760							
399430.00000	3272120.00000	0.00401	32.06	32.06	0.00	PERIOD	ALL
00008760							
399430.00000	3272220.00000	0.00437	32.82	32.82	0.00	PERIOD	ALL
00008760							
399430.00000	3272320.00000	0.00477	32.97	32.97	0.00	PERIOD	ALL
00008760							
399430.00000	3272420.00000	0.00522	31.77	31.77	0.00	PERIOD	ALL
00008760							
399430.00000	3272520.00000	0.00582	33.02	33.02	0.00	PERIOD	ALL
00008760							
399430.00000	3272620.00000	0.00658	35.37	35.37	0.00	PERIOD	ALL
00008760							
399430.00000	3272720.00000	0.00740	34.28	34.28	0.00	PERIOD	ALL
00008760							
399430.00000	3272820.00000	0.00832	30.48	30.48	0.00	PERIOD	ALL
00008760							
399430.00000	3272920.00000	0.00954	27.31	27.31	0.00	PERIOD	ALL
00008760							
399430.00000	3273020.00000	0.01151	29.68	29.68	0.00	PERIOD	ALL
00008760							
399430.00000	3273120.00000	0.01420	31.90	31.90	0.00	PERIOD	ALL
00008760							
399430.00000	3273220.00000	0.01791	35.37	35.37	0.00	PERIOD	ALL
00008760							
399430.00000	3274220.00000	0.01641	35.44	35.44	0.00	PERIOD	ALL
00008760							
399430.00000	3274320.00000	0.01194	31.90	31.90	0.00	PERIOD	ALL
00008760							
399430.00000	3274420.00000	0.00897	29.87	29.87	0.00	PERIOD	ALL
00008760							
399430.00000	3274520.00000	0.00712	29.87	29.87	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
399430.00000	3274620.00000	0.00577	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399430.00000	3274720.00000	0.00478	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399430.00000	3274820.00000	0.00402	31.05	31.05	0.00	PERIOD	ALL	
00008760								
399430.00000	3274920.00000	0.00350	35.97	35.97	0.00	PERIOD	ALL	
00008760								
399430.00000	3275020.00000	0.00306	38.47	38.47	0.00	PERIOD	ALL	
00008760								
399430.00000	3275120.00000	0.00271	39.86	39.86	0.00	PERIOD	ALL	
00008760								
399430.00000	3275220.00000	0.00239	41.66	41.66	0.00	PERIOD	ALL	
00008760								
399430.00000	3275320.00000	0.00216	41.09	41.09	0.00	PERIOD	ALL	
00008760								
399430.00000	3275420.00000	0.00195	41.54	41.54	0.00	PERIOD	ALL	
00008760								
399430.00000	3275520.00000	0.00179	40.34	40.34	0.00	PERIOD	ALL	
00008760								
399430.00000	3275620.00000	0.00164	39.51	39.51	0.00	PERIOD	ALL	
00008760								
399430.00000	3275720.00000	0.00151	39.44	39.44	0.00	PERIOD	ALL	
00008760								
399430.00000	3275820.00000	0.00139	37.08	37.08	0.00	PERIOD	ALL	
00008760								
399530.00000	3271820.00000	0.00311	32.15	32.15	0.00	PERIOD	ALL	
00008760								
399530.00000	3271920.00000	0.00331	31.50	31.50	0.00	PERIOD	ALL	
00008760								
399530.00000	3272020.00000	0.00358	33.47	33.47	0.00	PERIOD	ALL	
00008760								
399530.00000	3272120.00000	0.00385	33.04	33.04	0.00	PERIOD	ALL	
00008760								
399530.00000	3272220.00000	0.00415	32.41	32.41	0.00	PERIOD	ALL	
00008760								
399530.00000	3272320.00000	0.00451	32.02	32.02	0.00	PERIOD	ALL	
00008760								
399530.00000	3272420.00000	0.00491	31.37	31.37	0.00	PERIOD	ALL	
00008760								
399530.00000	3272520.00000	0.00548	33.93	33.93	0.00	PERIOD	ALL	
00008760								
399530.00000	3272620.00000	0.00614	35.40	35.40	0.00	PERIOD	ALL	
00008760								
399530.00000	3272720.00000	0.00684	33.43	33.43	0.00	PERIOD	ALL	
00008760								
399530.00000	3272820.00000	0.00758	28.24	28.24	0.00	PERIOD	ALL	
00008760								
399530.00000	3272920.00000	0.00875	28.29	28.29	0.00	PERIOD	ALL	
00008760								
399530.00000	3273020.00000	0.01048	30.41	30.41	0.00	PERIOD	ALL	
00008760								
399530.00000	3273120.00000	0.01267	31.90	31.90	0.00	PERIOD	ALL	
00008760								
399530.00000	3273220.00000	0.01599	34.21	34.21	0.00	PERIOD	ALL	
00008760								
399530.00000	3274320.00000	0.01245	34.54	34.54	0.00	PERIOD	ALL	
00008760								
399530.00000	3274420.00000	0.00958	32.90	32.90	0.00	PERIOD	ALL	
00008760								
399530.00000	3274520.00000	0.00742	30.38	30.38	0.00	PERIOD	ALL	
00008760								

HAFLBMAC.P05

399530.00000	3274620.00000	0.00597	29.87	29.87	0.00	PERIOD	ALL
00008760							
399530.00000	3274720.00000	0.00491	29.87	29.87	0.00	PERIOD	ALL
00008760							
399530.00000	3274820.00000	0.00416	31.93	31.93	0.00	PERIOD	ALL
00008760							
399530.00000	3274920.00000	0.00362	37.49	37.49	0.00	PERIOD	ALL
00008760							
399530.00000	3275020.00000	0.00316	40.23	40.23	0.00	PERIOD	ALL
00008760							
399530.00000	3275120.00000	0.00275	41.81	41.81	0.00	PERIOD	ALL
00008760							
399530.00000	3275220.00000	0.00242	43.38	43.38	0.00	PERIOD	ALL
00008760							
399530.00000	3275320.00000	0.00215	44.50	44.50	0.00	PERIOD	ALL
00008760							
399530.00000	3275420.00000	0.00193	45.96	45.96	0.00	PERIOD	ALL
00008760							
399530.00000	3275520.00000	0.00177	44.09	44.09	0.00	PERIOD	ALL
00008760							
399530.00000	3275620.00000	0.00164	41.94	41.94	0.00	PERIOD	ALL
00008760							
399530.00000	3275720.00000	0.00152	41.76	41.76	0.00	PERIOD	ALL
00008760							
399530.00000	3275820.00000	0.00141	39.73	39.73	0.00	PERIOD	ALL
00008760							
399630.00000	3271820.00000	0.00295	30.07	30.07	0.00	PERIOD	ALL
00008760							
399630.00000	3271920.00000	0.00316	31.09	31.09	0.00	PERIOD	ALL
00008760							
399630.00000	3272020.00000	0.00339	32.41	32.41	0.00	PERIOD	ALL
00008760							
399630.00000	3272120.00000	0.00363	32.41	32.41	0.00	PERIOD	ALL
00008760							
399630.00000	3272220.00000	0.00388	30.48	30.48	0.00	PERIOD	ALL
00008760							
399630.00000	3272320.00000	0.00420	31.09	31.09	0.00	PERIOD	ALL
00008760							
399630.00000	3272420.00000	0.00459	32.51	32.51	0.00	PERIOD	ALL
00008760							
399630.00000	3272520.00000	0.00504	33.22	33.22	0.00	PERIOD	ALL
00008760							
399630.00000	3272620.00000	0.00555	33.02	33.02	0.00	PERIOD	ALL
00008760							
399630.00000	3272720.00000	0.00611	30.48	30.48	0.00	PERIOD	ALL
00008760							
399630.00000	3272820.00000	0.00673	26.21	26.21	0.00	PERIOD	ALL
00008760							
399630.00000	3272920.00000	0.00775	28.96	28.96	0.00	PERIOD	ALL
00008760							
399630.00000	3273020.00000	0.00902	30.99	30.99	0.00	PERIOD	ALL
00008760							
399630.00000	3273120.00000	0.01077	31.70	31.70	0.00	PERIOD	ALL
00008760							
399630.00000	3273220.00000	0.01280	31.19	31.19	0.00	PERIOD	ALL
00008760							
399630.00000	3274320.00000	0.01305	37.19	37.19	0.00	PERIOD	ALL
00008760							
399630.00000	3274420.00000	0.00986	34.75	34.75	0.00	PERIOD	ALL
00008760							
399630.00000	3274520.00000	0.00766	31.39	31.39	0.00	PERIOD	ALL
00008760							
399630.00000	3274620.00000	0.00612	30.48	30.48	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
399630.00000	3274720.00000	0.00505	30.18	30.18	0.00	PERIOD	ALL	
00008760								
399630.00000	3274820.00000	0.00424	30.18	30.18	0.00	PERIOD	ALL	
00008760								
399630.00000	3274920.00000	0.00370	35.97	35.97	0.00	PERIOD	ALL	
00008760								
399630.00000	3275020.00000	0.00324	40.03	40.03	0.00	PERIOD	ALL	
00008760								
399630.00000	3275120.00000	0.00281	42.47	42.47	0.00	PERIOD	ALL	
00008760								
399630.00000	3275220.00000	0.00245	46.63	46.63	0.00	PERIOD	ALL	
00008760								
399630.00000	3275320.00000	0.00218	47.65	47.65	0.00	PERIOD	ALL	
00008760								
399630.00000	3275420.00000	0.00196	48.87	48.87	0.00	PERIOD	ALL	
00008760								
399630.00000	3275520.00000	0.00180	46.63	46.63	0.00	PERIOD	ALL	
00008760								
399630.00000	3275620.00000	0.00165	44.70	44.70	0.00	PERIOD	ALL	
00008760								
399630.00000	3275720.00000	0.00152	44.81	44.81	0.00	PERIOD	ALL	
00008760								
399630.00000	3275820.00000	0.00141	44.50	44.50	0.00	PERIOD	ALL	
00008760								
399730.00000	3271820.00000	0.00285	32.42	32.42	0.00	PERIOD	ALL	
00008760								
399730.00000	3271920.00000	0.00300	30.78	30.78	0.00	PERIOD	ALL	
00008760								
399730.00000	3272020.00000	0.00321	32.43	32.43	0.00	PERIOD	ALL	
00008760								
399730.00000	3272120.00000	0.00342	32.18	32.18	0.00	PERIOD	ALL	
00008760								
399730.00000	3272220.00000	0.00362	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399730.00000	3272320.00000	0.00391	31.03	31.03	0.00	PERIOD	ALL	
00008760								
399730.00000	3272420.00000	0.00424	32.36	32.36	0.00	PERIOD	ALL	
00008760								
399730.00000	3272520.00000	0.00454	29.77	29.77	0.00	PERIOD	ALL	
00008760								
399730.00000	3272620.00000	0.00492	28.10	28.10	0.00	PERIOD	ALL	
00008760								
399730.00000	3272720.00000	0.00538	26.17	26.17	0.00	PERIOD	ALL	
00008760								
399730.00000	3272820.00000	0.00602	27.74	27.74	0.00	PERIOD	ALL	
00008760								
399730.00000	3272920.00000	0.00688	29.94	29.94	0.00	PERIOD	ALL	
00008760								
399730.00000	3273020.00000	0.00787	30.04	30.04	0.00	PERIOD	ALL	
00008760								
399730.00000	3273120.00000	0.00904	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399730.00000	3273220.00000	0.01035	29.29	29.29	0.00	PERIOD	ALL	
00008760								
399730.00000	3273320.00000	0.01247	30.76	30.76	0.00	PERIOD	ALL	
00008760								
399730.00000	3273420.00000	0.01454	32.61	32.61	0.00	PERIOD	ALL	
00008760								
399730.00000	3273520.00000	0.01714	34.04	34.04	0.00	PERIOD	ALL	
00008760								
399730.00000	3273620.00000	0.01903	35.07	35.07	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
399730.00000	3273720.00000	0.01776	29.97	29.97	0.00	PERIOD	ALL
00008760							
399730.00000	3273820.00000	0.02152	34.51	34.51	0.00	PERIOD	ALL
00008760							
399730.00000	3274420.00000	0.01014	34.05	34.05	0.00	PERIOD	ALL
00008760							
399730.00000	3274520.00000	0.00792	32.92	32.92	0.00	PERIOD	ALL
00008760							
399730.00000	3274620.00000	0.00627	31.39	31.39	0.00	PERIOD	ALL
00008760							
399730.00000	3274720.00000	0.00512	29.87	29.87	0.00	PERIOD	ALL
00008760							
399730.00000	3274820.00000	0.00432	29.94	29.94	0.00	PERIOD	ALL
00008760							
399730.00000	3274920.00000	0.00376	34.95	34.95	0.00	PERIOD	ALL
00008760							
399730.00000	3275020.00000	0.00330	38.65	38.65	0.00	PERIOD	ALL
00008760							
399730.00000	3275120.00000	0.00290	41.44	41.44	0.00	PERIOD	ALL
00008760							
399730.00000	3275220.00000	0.00252	45.92	45.92	0.00	PERIOD	ALL
00008760							
399730.00000	3275320.00000	0.00224	48.46	48.46	0.00	PERIOD	ALL
00008760							
399730.00000	3275420.00000	0.00200	50.78	50.78	0.00	PERIOD	ALL
00008760							
399730.00000	3275520.00000	0.00183	48.77	48.77	0.00	PERIOD	ALL
00008760							
399730.00000	3275620.00000	0.00168	45.97	45.97	0.00	PERIOD	ALL
00008760							
399730.00000	3275720.00000	0.00154	47.30	47.30	0.00	PERIOD	ALL
00008760							
399730.00000	3275820.00000	0.00142	49.38	49.38	0.00	PERIOD	ALL
00008760							
399830.00000	3271820.00000	0.00270	31.19	31.19	0.00	PERIOD	ALL
00008760							
399830.00000	3271920.00000	0.00285	32.00	32.00	0.00	PERIOD	ALL
00008760							
399830.00000	3272020.00000	0.00303	32.49	32.49	0.00	PERIOD	ALL
00008760							
399830.00000	3272120.00000	0.00321	32.02	32.02	0.00	PERIOD	ALL
00008760							
399830.00000	3272220.00000	0.00338	29.77	29.77	0.00	PERIOD	ALL
00008760							
399830.00000	3272320.00000	0.00363	31.20	31.20	0.00	PERIOD	ALL
00008760							
399830.00000	3272420.00000	0.00389	31.21	31.21	0.00	PERIOD	ALL
00008760							
399830.00000	3272520.00000	0.00415	29.36	29.36	0.00	PERIOD	ALL
00008760							
399830.00000	3272620.00000	0.00446	27.61	27.61	0.00	PERIOD	ALL
00008760							
399830.00000	3272720.00000	0.00481	25.41	25.41	0.00	PERIOD	ALL
00008760							
399830.00000	3272820.00000	0.00537	29.26	29.26	0.00	PERIOD	ALL
00008760							
399830.00000	3272920.00000	0.00607	31.52	31.52	0.00	PERIOD	ALL
00008760							
399830.00000	3273020.00000	0.00697	31.92	31.92	0.00	PERIOD	ALL
00008760							
399830.00000	3273120.00000	0.00808	29.77	29.77	0.00	PERIOD	ALL
00008760							
399830.00000	3273220.00000	0.00945	31.14	31.14	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
399830.00000	3273320.00000	0.01143	33.15	33.15	0.00	PERIOD	ALL	
00008760								
399830.00000	3273420.00000	0.01399	35.05	35.05	0.00	PERIOD	ALL	
00008760								
399830.00000	3273520.00000	0.01611	36.76	36.76	0.00	PERIOD	ALL	
00008760								
399830.00000	3273620.00000	0.01772	36.22	36.22	0.00	PERIOD	ALL	
00008760								
399830.00000	3273720.00000	0.01858	33.53	33.53	0.00	PERIOD	ALL	
00008760								
399830.00000	3273820.00000	0.02294	35.34	35.34	0.00	PERIOD	ALL	
00008760								
399830.00000	3273920.00000	0.03152	37.35	37.35	0.00	PERIOD	ALL	
00008760								
399830.00000	3274020.00000	0.02808	35.46	35.46	0.00	PERIOD	ALL	
00008760								
399830.00000	3274120.00000	0.02242	38.34	38.34	0.00	PERIOD	ALL	
00008760								
399830.00000	3274220.00000	0.01595	38.39	38.39	0.00	PERIOD	ALL	
00008760								
399830.00000	3274320.00000	0.01312	37.39	37.39	0.00	PERIOD	ALL	
00008760								
399830.00000	3274420.00000	0.01022	36.01	36.01	0.00	PERIOD	ALL	
00008760								
399830.00000	3274520.00000	0.00772	32.35	32.35	0.00	PERIOD	ALL	
00008760								
399830.00000	3274620.00000	0.00628	31.70	31.70	0.00	PERIOD	ALL	
00008760								
399830.00000	3274720.00000	0.00518	30.05	30.05	0.00	PERIOD	ALL	
00008760								
399830.00000	3274820.00000	0.00439	29.87	29.87	0.00	PERIOD	ALL	
00008760								
399830.00000	3274920.00000	0.00382	34.24	34.24	0.00	PERIOD	ALL	
00008760								
399830.00000	3275020.00000	0.00334	37.38	37.38	0.00	PERIOD	ALL	
00008760								
399830.00000	3275120.00000	0.00297	40.29	40.29	0.00	PERIOD	ALL	
00008760								
399830.00000	3275220.00000	0.00259	43.89	43.89	0.00	PERIOD	ALL	
00008760								
399830.00000	3275320.00000	0.00229	46.83	46.83	0.00	PERIOD	ALL	
00008760								
399830.00000	3275420.00000	0.00206	48.55	48.55	0.00	PERIOD	ALL	
00008760								
399830.00000	3275520.00000	0.00187	48.36	48.36	0.00	PERIOD	ALL	
00008760								
399830.00000	3275620.00000	0.00171	47.38	47.38	0.00	PERIOD	ALL	
00008760								
399830.00000	3275720.00000	0.00156	49.36	49.36	0.00	PERIOD	ALL	
00008760								
399830.00000	3275820.00000	0.00144	52.53	52.53	0.00	PERIOD	ALL	
00008760								
399930.00000	3271820.00000	0.00254	29.06	29.06	0.00	PERIOD	ALL	
00008760								
399930.00000	3271920.00000	0.00265	27.13	27.13	0.00	PERIOD	ALL	
00008760								
399930.00000	3272020.00000	0.00283	30.38	30.38	0.00	PERIOD	ALL	
00008760								
399930.00000	3272120.00000	0.00300	30.89	30.89	0.00	PERIOD	ALL	
00008760								
399930.00000	3272220.00000	0.00314	28.04	28.04	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
399930.00000	3272320.00000	0.00330	25.81	25.81	0.00	PERIOD	ALL
00008760							
399930.00000	3272420.00000	0.00352	26.01	26.01	0.00	PERIOD	ALL
00008760							
399930.00000	3272520.00000	0.00375	25.30	25.30	0.00	PERIOD	ALL
00008760							
399930.00000	3272620.00000	0.00402	25.30	25.30	0.00	PERIOD	ALL
00008760							
399930.00000	3272720.00000	0.00436	25.30	25.30	0.00	PERIOD	ALL
00008760							
399930.00000	3272820.00000	0.00489	28.04	28.04	0.00	PERIOD	ALL
00008760							
399930.00000	3272920.00000	0.00567	31.50	31.50	0.00	PERIOD	ALL
00008760							
399930.00000	3273020.00000	0.00667	34.24	34.24	0.00	PERIOD	ALL
00008760							
399930.00000	3273120.00000	0.00782	34.75	34.75	0.00	PERIOD	ALL
00008760							
399930.00000	3273220.00000	0.00942	36.07	36.07	0.00	PERIOD	ALL
00008760							
399930.00000	3273320.00000	0.01119	36.68	36.68	0.00	PERIOD	ALL
00008760							
399930.00000	3273420.00000	0.01259	37.19	37.19	0.00	PERIOD	ALL
00008760							
399930.00000	3273520.00000	0.01463	39.42	39.42	0.00	PERIOD	ALL
00008760							
399930.00000	3273620.00000	0.01631	38.71	38.71	0.00	PERIOD	ALL
00008760							
399930.00000	3273720.00000	0.01688	38.40	38.40	0.00	PERIOD	ALL
00008760							
399930.00000	3273820.00000	0.01989	39.01	39.01	0.00	PERIOD	ALL
00008760							
399930.00000	3273920.00000	0.02408	39.93	39.93	0.00	PERIOD	ALL
00008760							
399930.00000	3274020.00000	0.02368	39.32	39.32	0.00	PERIOD	ALL
00008760							
399930.00000	3274120.00000	0.01965	38.81	38.81	0.00	PERIOD	ALL
00008760							
399930.00000	3274220.00000	0.01575	40.84	40.84	0.00	PERIOD	ALL
00008760							
399930.00000	3274320.00000	0.01177	38.10	38.10	0.00	PERIOD	ALL
00008760							
399930.00000	3274420.00000	0.00940	35.66	35.66	0.00	PERIOD	ALL
00008760							
399930.00000	3274520.00000	0.00780	34.34	34.34	0.00	PERIOD	ALL
00008760							
399930.00000	3274620.00000	0.00634	35.05	35.05	0.00	PERIOD	ALL
00008760							
399930.00000	3274720.00000	0.00520	32.72	32.72	0.00	PERIOD	ALL
00008760							
399930.00000	3274820.00000	0.00438	30.18	30.18	0.00	PERIOD	ALL
00008760							
399930.00000	3274920.00000	0.00382	32.92	32.92	0.00	PERIOD	ALL
00008760							
399930.00000	3275020.00000	0.00336	35.46	35.46	0.00	PERIOD	ALL
00008760							
399930.00000	3275120.00000	0.00299	38.00	38.00	0.00	PERIOD	ALL
00008760							
399930.00000	3275220.00000	0.00268	40.54	40.54	0.00	PERIOD	ALL
00008760							
399930.00000	3275320.00000	0.00235	44.70	44.70	0.00	PERIOD	ALL
00008760							
399930.00000	3275420.00000	0.00211	45.82	45.82	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
399930.00000	3275520.00000	0.00191	47.55	47.55	0.00	PERIOD	ALL	
00008760								
399930.00000	3275620.00000	0.00173	49.68	49.68	0.00	PERIOD	ALL	
00008760								
399930.00000	3275720.00000	0.00158	52.73	52.73	0.00	PERIOD	ALL	
00008760								
399930.00000	3275820.00000	0.00146	55.17	55.17	0.00	PERIOD	ALL	
00008760								
400030.00000	3271820.00000	0.00239	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3271920.00000	0.00250	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272020.00000	0.00263	26.31	26.31	0.00	PERIOD	ALL	
00008760								
400030.00000	3272120.00000	0.00279	28.11	28.11	0.00	PERIOD	ALL	
00008760								
400030.00000	3272220.00000	0.00291	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272320.00000	0.00307	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272420.00000	0.00325	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272520.00000	0.00347	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272620.00000	0.00375	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272720.00000	0.00414	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272820.00000	0.00464	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400030.00000	3272920.00000	0.00532	28.71	28.71	0.00	PERIOD	ALL	
00008760								
400030.00000	3273020.00000	0.00627	32.96	32.96	0.00	PERIOD	ALL	
00008760								
400030.00000	3273120.00000	0.00760	37.29	37.29	0.00	PERIOD	ALL	
00008760								
400030.00000	3273220.00000	0.00923	40.12	40.12	0.00	PERIOD	ALL	
00008760								
400030.00000	3273320.00000	0.01000	38.45	38.45	0.00	PERIOD	ALL	
00008760								
400030.00000	3273420.00000	0.01086	36.88	36.88	0.00	PERIOD	ALL	
00008760								
400030.00000	3273520.00000	0.01258	39.07	39.07	0.00	PERIOD	ALL	
00008760								
400030.00000	3273620.00000	0.01321	39.19	39.19	0.00	PERIOD	ALL	
00008760								
400030.00000	3273720.00000	0.01356	37.39	37.39	0.00	PERIOD	ALL	
00008760								
400030.00000	3273820.00000	0.01553	36.62	36.62	0.00	PERIOD	ALL	
00008760								
400030.00000	3273920.00000	0.01773	37.35	37.35	0.00	PERIOD	ALL	
00008760								
400030.00000	3274020.00000	0.01823	37.19	37.19	0.00	PERIOD	ALL	
00008760								
400030.00000	3274120.00000	0.01684	38.90	38.90	0.00	PERIOD	ALL	
00008760								
400030.00000	3274220.00000	0.01405	38.34	38.34	0.00	PERIOD	ALL	
00008760								
400030.00000	3274320.00000	0.01145	40.94	40.94	0.00	PERIOD	ALL	
00008760								
400030.00000	3274420.00000	0.00905	38.64	38.64	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05				
400030.00000	3274520.00000	0.00736	37.44	37.44	0.00	PERIOD ALL
00008760						
400030.00000	3274620.00000	0.00612	35.15	35.15	0.00	PERIOD ALL
00008760						
400030.00000	3274720.00000	0.00514	31.57	31.57	0.00	PERIOD ALL
00008760						
400030.00000	3274820.00000	0.00441	32.40	32.40	0.00	PERIOD ALL
00008760						
400030.00000	3274920.00000	0.00385	34.54	34.54	0.00	PERIOD ALL
00008760						
400030.00000	3275020.00000	0.00337	33.90	33.90	0.00	PERIOD ALL
00008760						
400030.00000	3275120.00000	0.00303	38.58	38.58	0.00	PERIOD ALL
00008760						
400030.00000	3275220.00000	0.00272	40.64	40.64	0.00	PERIOD ALL
00008760						
400030.00000	3275320.00000	0.00240	43.59	43.59	0.00	PERIOD ALL
00008760						
400030.00000	3275420.00000	0.00215	45.10	45.10	0.00	PERIOD ALL
00008760						
400030.00000	3275520.00000	0.00194	48.06	48.06	0.00	PERIOD ALL
00008760						
400030.00000	3275620.00000	0.00176	51.21	51.21	0.00	PERIOD ALL
00008760						
400030.00000	3275720.00000	0.00161	54.06	54.06	0.00	PERIOD ALL
00008760						
400030.00000	3275820.00000	0.00148	55.47	55.47	0.00	PERIOD ALL
00008760						
400130.00000	3271820.00000	0.00227	25.30	25.30	0.00	PERIOD ALL
00008760						
400130.00000	3271920.00000	0.00237	25.30	25.30	0.00	PERIOD ALL
00008760						
400130.00000	3272020.00000	0.00248	25.30	25.30	0.00	PERIOD ALL
00008760						
400130.00000	3272120.00000	0.00260	25.46	25.46	0.00	PERIOD ALL
00008760						
400130.00000	3272220.00000	0.00273	25.30	25.30	0.00	PERIOD ALL
00008760						
400130.00000	3272320.00000	0.00288	25.30	25.30	0.00	PERIOD ALL
00008760						
400130.00000	3272420.00000	0.00307	25.30	25.30	0.00	PERIOD ALL
00008760						
400130.00000	3272520.00000	0.00330	25.30	25.30	0.00	PERIOD ALL
00008760						
400130.00000	3272620.00000	0.00361	25.30	25.30	0.00	PERIOD ALL
00008760						
400130.00000	3272720.00000	0.00395	25.30	25.30	0.00	PERIOD ALL
00008760						
400130.00000	3272820.00000	0.00437	25.30	25.30	0.00	PERIOD ALL
00008760						
400130.00000	3272920.00000	0.00493	25.96	25.96	0.00	PERIOD ALL
00008760						
400130.00000	3273020.00000	0.00580	30.96	30.96	0.00	PERIOD ALL
00008760						
400130.00000	3273120.00000	0.00692	35.46	35.46	0.00	PERIOD ALL
00008760						
400130.00000	3273220.00000	0.00797	39.80	39.80	0.00	PERIOD ALL
00008760						
400130.00000	3273320.00000	0.00828	34.04	34.04	0.00	PERIOD ALL
00008760						
400130.00000	3273420.00000	0.00884	29.67	29.67	0.00	PERIOD ALL
00008760						
400130.00000	3273520.00000	0.00992	32.84	32.84	0.00	PERIOD ALL

HAFLBMAC.P05

00008760							
400130.00000	3273620.00000	0.01035	34.51	34.51	0.00	PERIOD	ALL
00008760							
400130.00000	3273720.00000	0.01105	34.65	34.65	0.00	PERIOD	ALL
00008760							
400130.00000	3273820.00000	0.01255	34.08	34.08	0.00	PERIOD	ALL
00008760							
400130.00000	3273920.00000	0.01395	35.36	35.36	0.00	PERIOD	ALL
00008760							
400130.00000	3274020.00000	0.01479	38.20	38.20	0.00	PERIOD	ALL
00008760							
400130.00000	3274120.00000	0.01405	37.99	37.99	0.00	PERIOD	ALL
00008760							
400130.00000	3274220.00000	0.01233	37.91	37.91	0.00	PERIOD	ALL
00008760							
400130.00000	3274320.00000	0.01055	40.13	40.13	0.00	PERIOD	ALL
00008760							
400130.00000	3274420.00000	0.00860	37.49	37.49	0.00	PERIOD	ALL
00008760							
400130.00000	3274520.00000	0.00700	34.87	34.87	0.00	PERIOD	ALL
00008760							
400130.00000	3274620.00000	0.00593	36.37	36.37	0.00	PERIOD	ALL
00008760							
400130.00000	3274720.00000	0.00500	32.54	32.54	0.00	PERIOD	ALL
00008760							
400130.00000	3274820.00000	0.00436	33.58	33.58	0.00	PERIOD	ALL
00008760							
400130.00000	3274920.00000	0.00388	37.29	37.29	0.00	PERIOD	ALL
00008760							
400130.00000	3275020.00000	0.00343	37.52	37.52	0.00	PERIOD	ALL
00008760							
400130.00000	3275120.00000	0.00307	38.81	38.81	0.00	PERIOD	ALL
00008760							
400130.00000	3275220.00000	0.00276	40.74	40.74	0.00	PERIOD	ALL
00008760							
400130.00000	3275320.00000	0.00244	43.23	43.23	0.00	PERIOD	ALL
00008760							
400130.00000	3275420.00000	0.00219	45.35	45.35	0.00	PERIOD	ALL
00008760							
400130.00000	3275520.00000	0.00198	46.94	46.94	0.00	PERIOD	ALL
00008760							
400130.00000	3275620.00000	0.00180	49.93	49.93	0.00	PERIOD	ALL
00008760							
400130.00000	3275720.00000	0.00164	52.98	52.98	0.00	PERIOD	ALL
00008760							
400130.00000	3275820.00000	0.00151	54.36	54.36	0.00	PERIOD	ALL
00008760							
400230.00000	3271820.00000	0.00217	25.30	25.30	0.00	PERIOD	ALL
00008760							
400230.00000	3271920.00000	0.00226	25.30	25.30	0.00	PERIOD	ALL
00008760							
400230.00000	3272020.00000	0.00235	25.30	25.30	0.00	PERIOD	ALL
00008760							
400230.00000	3272120.00000	0.00246	25.30	25.30	0.00	PERIOD	ALL
00008760							
400230.00000	3272220.00000	0.00259	25.30	25.30	0.00	PERIOD	ALL
00008760							
400230.00000	3272320.00000	0.00274	25.30	25.30	0.00	PERIOD	ALL
00008760							
400230.00000	3272420.00000	0.00294	25.30	25.30	0.00	PERIOD	ALL
00008760							
400230.00000	3272520.00000	0.00316	25.30	25.30	0.00	PERIOD	ALL
00008760							

		HAFLBMAC.P05					
400230.00000	3272620.00000	0.00340	25.30	25.30	0.00	PERIOD	ALL
00008760							
400230.00000	3272720.00000	0.00371	25.30	25.30	0.00	PERIOD	ALL
00008760							
400230.00000	3272820.00000	0.00409	25.30	25.30	0.00	PERIOD	ALL
00008760							
400230.00000	3272920.00000	0.00463	25.81	25.81	0.00	PERIOD	ALL
00008760							
400230.00000	3273020.00000	0.00536	30.99	30.99	0.00	PERIOD	ALL
00008760							
400230.00000	3273120.00000	0.00600	34.75	34.75	0.00	PERIOD	ALL
00008760							
400230.00000	3273220.00000	0.00682	38.40	38.40	0.00	PERIOD	ALL
00008760							
400230.00000	3273320.00000	0.00718	34.54	34.54	0.00	PERIOD	ALL
00008760							
400230.00000	3273420.00000	0.00777	30.48	30.48	0.00	PERIOD	ALL
00008760							
400230.00000	3273520.00000	0.00801	28.55	28.55	0.00	PERIOD	ALL
00008760							
400230.00000	3273620.00000	0.00841	29.36	29.36	0.00	PERIOD	ALL
00008760							
400230.00000	3273720.00000	0.00917	32.31	32.31	0.00	PERIOD	ALL
00008760							
400230.00000	3273820.00000	0.01014	29.57	29.57	0.00	PERIOD	ALL
00008760							
400230.00000	3273920.00000	0.01123	33.53	33.53	0.00	PERIOD	ALL
00008760							
400230.00000	3274020.00000	0.01153	31.39	37.49	0.00	PERIOD	ALL
00008760							
400230.00000	3274120.00000	0.01152	35.36	35.36	0.00	PERIOD	ALL
00008760							
400230.00000	3274220.00000	0.01069	37.59	37.59	0.00	PERIOD	ALL
00008760							
400230.00000	3274320.00000	0.00953	39.93	39.93	0.00	PERIOD	ALL
00008760							
400230.00000	3274420.00000	0.00765	28.55	39.93	0.00	PERIOD	ALL
00008760							
400230.00000	3274520.00000	0.00658	30.68	41.45	0.00	PERIOD	ALL
00008760							
400230.00000	3274620.00000	0.00588	40.54	40.54	0.00	PERIOD	ALL
00008760							
400230.00000	3274720.00000	0.00496	36.88	36.88	0.00	PERIOD	ALL
00008760							
400230.00000	3274820.00000	0.00435	37.90	37.90	0.00	PERIOD	ALL
00008760							
400230.00000	3274920.00000	0.00387	39.62	39.62	0.00	PERIOD	ALL
00008760							
400230.00000	3275020.00000	0.00344	41.25	41.25	0.00	PERIOD	ALL
00008760							
400230.00000	3275120.00000	0.00309	40.13	40.13	0.00	PERIOD	ALL
00008760							
400230.00000	3275220.00000	0.00278	41.15	41.15	0.00	PERIOD	ALL
00008760							
400230.00000	3275320.00000	0.00247	43.89	43.89	0.00	PERIOD	ALL
00008760							
400230.00000	3275420.00000	0.00222	46.53	46.53	0.00	PERIOD	ALL
00008760							
400230.00000	3275520.00000	0.00201	48.77	48.77	0.00	PERIOD	ALL
00008760							
400230.00000	3275620.00000	0.00183	51.10	51.10	0.00	PERIOD	ALL
00008760							
400230.00000	3275720.00000	0.00168	52.32	52.32	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760							
400230.00000	3275820.00000	0.00155	53.64	53.64	0.00	PERIOD	ALL
00008760							
400330.00000	3271820.00000	0.00208	25.92	25.92	0.00	PERIOD	ALL
00008760							
400330.00000	3271920.00000	0.00216	25.70	25.70	0.00	PERIOD	ALL
00008760							
400330.00000	3272020.00000	0.00225	25.85	25.85	0.00	PERIOD	ALL
00008760							
400330.00000	3272120.00000	0.00235	25.42	25.42	0.00	PERIOD	ALL
00008760							
400330.00000	3272220.00000	0.00248	25.30	25.30	0.00	PERIOD	ALL
00008760							
400330.00000	3272320.00000	0.00263	25.30	25.30	0.00	PERIOD	ALL
00008760							
400330.00000	3272420.00000	0.00278	25.30	25.30	0.00	PERIOD	ALL
00008760							
400330.00000	3272520.00000	0.00297	25.30	25.30	0.00	PERIOD	ALL
00008760							
400330.00000	3272620.00000	0.00320	25.30	25.30	0.00	PERIOD	ALL
00008760							
400330.00000	3272720.00000	0.00349	25.30	25.30	0.00	PERIOD	ALL
00008760							
400330.00000	3272820.00000	0.00387	25.30	25.30	0.00	PERIOD	ALL
00008760							
400330.00000	3272920.00000	0.00433	28.00	28.00	0.00	PERIOD	ALL
00008760							
400330.00000	3273020.00000	0.00474	30.59	30.59	0.00	PERIOD	ALL
00008760							
400330.00000	3273120.00000	0.00524	33.63	33.63	0.00	PERIOD	ALL
00008760							
400330.00000	3273220.00000	0.00580	35.90	35.90	0.00	PERIOD	ALL
00008760							
400330.00000	3273320.00000	0.00625	34.51	34.51	0.00	PERIOD	ALL
00008760							
400330.00000	3273420.00000	0.00677	33.73	33.73	0.00	PERIOD	ALL
00008760							
400330.00000	3273520.00000	0.00692	33.74	33.74	0.00	PERIOD	ALL
00008760							
400330.00000	3273620.00000	0.00724	33.17	33.17	0.00	PERIOD	ALL
00008760							
400330.00000	3273720.00000	0.00768	28.85	28.85	0.00	PERIOD	ALL
00008760							
400330.00000	3273820.00000	0.00846	27.56	27.56	0.00	PERIOD	ALL
00008760							
400330.00000	3273920.00000	0.00924	31.14	31.14	0.00	PERIOD	ALL
00008760							
400330.00000	3274020.00000	0.00940	26.82	26.82	0.00	PERIOD	ALL
00008760							
400330.00000	3274120.00000	0.00950	30.76	30.76	0.00	PERIOD	ALL
00008760							
400330.00000	3274220.00000	0.00922	35.88	35.88	0.00	PERIOD	ALL
00008760							
400330.00000	3274320.00000	0.00831	35.56	35.56	0.00	PERIOD	ALL
00008760							
400330.00000	3274420.00000	0.00740	36.79	39.93	0.00	PERIOD	ALL
00008760							
400330.00000	3274520.00000	0.00630	32.92	42.06	0.00	PERIOD	ALL
00008760							
400330.00000	3274620.00000	0.00558	42.57	42.57	0.00	PERIOD	ALL
00008760							
400330.00000	3274720.00000	0.00487	38.25	38.25	0.00	PERIOD	ALL
00008760							

		HAFLBMAC.P05						
400330.00000	3274820.00000	0.00428	41.40	41.40	0.00	PERIOD	ALL	
00008760								
400330.00000	3274920.00000	0.00374	43.48	43.48	0.00	PERIOD	ALL	
00008760								
400330.00000	3275020.00000	0.00335	43.39	43.39	0.00	PERIOD	ALL	
00008760								
400330.00000	3275120.00000	0.00302	43.35	43.35	0.00	PERIOD	ALL	
00008760								
400330.00000	3275220.00000	0.00272	44.70	44.70	0.00	PERIOD	ALL	
00008760								
400330.00000	3275320.00000	0.00246	46.04	46.04	0.00	PERIOD	ALL	
00008760								
400330.00000	3275420.00000	0.00225	46.81	46.81	0.00	PERIOD	ALL	
00008760								
400330.00000	3275520.00000	0.00205	48.26	48.26	0.00	PERIOD	ALL	
00008760								
400330.00000	3275620.00000	0.00187	50.96	50.96	0.00	PERIOD	ALL	
00008760								
400330.00000	3275720.00000	0.00172	52.30	52.30	0.00	PERIOD	ALL	
00008760								
400330.00000	3275820.00000	0.00159	53.04	53.04	0.00	PERIOD	ALL	
00008760								
400430.00000	3271820.00000	0.00199	25.66	25.66	0.00	PERIOD	ALL	
00008760								
400430.00000	3271920.00000	0.00206	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400430.00000	3272020.00000	0.00216	25.91	25.91	0.00	PERIOD	ALL	
00008760								
400430.00000	3272120.00000	0.00226	25.80	25.80	0.00	PERIOD	ALL	
00008760								
400430.00000	3272220.00000	0.00237	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400430.00000	3272320.00000	0.00249	25.12	25.12	0.00	PERIOD	ALL	
00008760								
400430.00000	3272420.00000	0.00264	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400430.00000	3272520.00000	0.00281	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400430.00000	3272620.00000	0.00304	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400430.00000	3272720.00000	0.00332	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400430.00000	3272820.00000	0.00361	25.40	25.40	0.00	PERIOD	ALL	
00008760								
400430.00000	3272920.00000	0.00390	27.81	27.81	0.00	PERIOD	ALL	
00008760								
400430.00000	3273020.00000	0.00420	29.33	29.33	0.00	PERIOD	ALL	
00008760								
400430.00000	3273120.00000	0.00459	31.09	31.09	0.00	PERIOD	ALL	
00008760								
400430.00000	3273220.00000	0.00491	32.09	32.09	0.00	PERIOD	ALL	
00008760								
400430.00000	3273320.00000	0.00549	33.08	33.08	0.00	PERIOD	ALL	
00008760								
400430.00000	3273420.00000	0.00577	35.66	35.66	0.00	PERIOD	ALL	
00008760								
400430.00000	3273520.00000	0.00614	38.16	38.16	0.00	PERIOD	ALL	
00008760								
400430.00000	3273620.00000	0.00628	35.73	35.73	0.00	PERIOD	ALL	
00008760								
400430.00000	3273720.00000	0.00672	31.09	31.09	0.00	PERIOD	ALL	
00008760								
400430.00000	3273820.00000	0.00722	26.82	26.82	0.00	PERIOD	ALL	

HAFBMAC.P05

00008760							
400430.00000	3273920.00000	0.00779	29.15	29.15	0.00	PERIOD	ALL
00008760							
400430.00000	3274020.00000	0.00813	29.87	29.87	0.00	PERIOD	ALL
00008760							
400430.00000	3274120.00000	0.00823	31.81	31.81	0.00	PERIOD	ALL
00008760							
400430.00000	3274220.00000	0.00794	32.92	32.92	0.00	PERIOD	ALL
00008760							
400430.00000	3274320.00000	0.00745	35.36	35.36	0.00	PERIOD	ALL
00008760							
400430.00000	3274420.00000	0.00688	39.53	39.53	0.00	PERIOD	ALL
00008760							
400430.00000	3274520.00000	0.00605	36.92	41.15	0.00	PERIOD	ALL
00008760							
400430.00000	3274620.00000	0.00542	40.23	40.23	0.00	PERIOD	ALL
00008760							
400430.00000	3274720.00000	0.00470	37.01	37.01	0.00	PERIOD	ALL
00008760							
400430.00000	3274820.00000	0.00413	43.45	43.45	0.00	PERIOD	ALL
00008760							
400430.00000	3274920.00000	0.00361	46.94	46.94	0.00	PERIOD	ALL
00008760							
400430.00000	3275020.00000	0.00325	46.07	46.07	0.00	PERIOD	ALL
00008760							
400430.00000	3275120.00000	0.00296	44.83	44.83	0.00	PERIOD	ALL
00008760							
400430.00000	3275220.00000	0.00268	46.43	46.43	0.00	PERIOD	ALL
00008760							
400430.00000	3275320.00000	0.00244	47.85	47.85	0.00	PERIOD	ALL
00008760							
400430.00000	3275420.00000	0.00224	48.89	48.89	0.00	PERIOD	ALL
00008760							
400430.00000	3275520.00000	0.00207	48.87	48.87	0.00	PERIOD	ALL
00008760							
400430.00000	3275620.00000	0.00190	50.85	50.85	0.00	PERIOD	ALL
00008760							
400430.00000	3275720.00000	0.00176	50.11	50.11	0.00	PERIOD	ALL
00008760							
400430.00000	3275820.00000	0.00163	52.22	52.22	0.00	PERIOD	ALL
00008760							
400530.00000	3271820.00000	0.00191	25.30	25.30	0.00	PERIOD	ALL
00008760							
400530.00000	3271920.00000	0.00199	25.30	25.30	0.00	PERIOD	ALL
00008760							
400530.00000	3272020.00000	0.00208	26.52	26.52	0.00	PERIOD	ALL
00008760							
400530.00000	3272120.00000	0.00216	25.30	25.30	0.00	PERIOD	ALL
00008760							
400530.00000	3272220.00000	0.00226	25.30	25.30	0.00	PERIOD	ALL
00008760							
400530.00000	3272320.00000	0.00238	25.10	25.10	0.00	PERIOD	ALL
00008760							
400530.00000	3272420.00000	0.00252	25.30	25.30	0.00	PERIOD	ALL
00008760							
400530.00000	3272520.00000	0.00269	25.30	25.30	0.00	PERIOD	ALL
00008760							
400530.00000	3272620.00000	0.00289	25.30	25.30	0.00	PERIOD	ALL
00008760							
400530.00000	3272720.00000	0.00312	25.30	25.30	0.00	PERIOD	ALL
00008760							
400530.00000	3272820.00000	0.00330	25.30	25.30	0.00	PERIOD	ALL
00008760							

		HAFLBMAC.P05				
400530.00000	3272920.00000	0.00351	26.62	26.62	0.00	PERIOD ALL
00008760						
400530.00000	3273020.00000	0.00379	28.35	28.35	0.00	PERIOD ALL
00008760						
400530.00000	3273120.00000	0.00406	31.39	31.39	0.00	PERIOD ALL
00008760						
400530.00000	3273220.00000	0.00447	34.65	34.65	0.00	PERIOD ALL
00008760						
400530.00000	3273320.00000	0.00489	36.37	36.37	0.00	PERIOD ALL
00008760						
400530.00000	3273420.00000	0.00504	39.01	39.01	0.00	PERIOD ALL
00008760						
400530.00000	3273520.00000	0.00540	41.35	41.35	0.00	PERIOD ALL
00008760						
400530.00000	3273620.00000	0.00558	38.30	38.30	0.00	PERIOD ALL
00008760						
400530.00000	3273720.00000	0.00594	32.61	32.61	0.00	PERIOD ALL
00008760						
400530.00000	3273820.00000	0.00628	27.03	27.03	0.00	PERIOD ALL
00008760						
400530.00000	3273920.00000	0.00666	26.82	26.82	0.00	PERIOD ALL
00008760						
400530.00000	3274020.00000	0.00700	28.96	28.96	0.00	PERIOD ALL
00008760						
400530.00000	3274120.00000	0.00709	29.67	29.67	0.00	PERIOD ALL
00008760						
400530.00000	3274220.00000	0.00696	31.50	31.50	0.00	PERIOD ALL
00008760						
400530.00000	3274320.00000	0.00664	33.83	33.83	0.00	PERIOD ALL
00008760						
400530.00000	3274420.00000	0.00628	38.81	38.81	0.00	PERIOD ALL
00008760						
400530.00000	3274520.00000	0.00568	42.47	42.47	0.00	PERIOD ALL
00008760						
400530.00000	3274620.00000	0.00515	40.84	40.84	0.00	PERIOD ALL
00008760						
400530.00000	3274720.00000	0.00452	43.48	43.48	0.00	PERIOD ALL
00008760						
400530.00000	3274820.00000	0.00400	45.31	45.31	0.00	PERIOD ALL
00008760						
400530.00000	3274920.00000	0.00353	48.77	48.77	0.00	PERIOD ALL
00008760						
400530.00000	3275020.00000	0.00317	48.46	48.46	0.00	PERIOD ALL
00008760						
400530.00000	3275120.00000	0.00290	46.84	46.84	0.00	PERIOD ALL
00008760						
400530.00000	3275220.00000	0.00263	48.77	48.77	0.00	PERIOD ALL
00008760						
400530.00000	3275320.00000	0.00242	47.96	47.96	0.00	PERIOD ALL
00008760						
400530.00000	3275420.00000	0.00225	47.35	47.35	0.00	PERIOD ALL
00008760						
400530.00000	3275520.00000	0.00207	49.07	49.07	0.00	PERIOD ALL
00008760						
400530.00000	3275620.00000	0.00192	50.60	50.60	0.00	PERIOD ALL
00008760						
400530.00000	3275720.00000	0.00179	49.38	49.38	0.00	PERIOD ALL
00008760						
400530.00000	3275820.00000	0.00166	51.82	51.82	0.00	PERIOD ALL
00008760						
400630.00000	3271820.00000	0.00185	25.30	25.30	0.00	PERIOD ALL
00008760						
400630.00000	3271920.00000	0.00192	25.30	25.30	0.00	PERIOD ALL

HAFLBMAC.P05

00008760							
400630.00000	3272020.00000	0.00199	25.51	25.51	0.00	PERIOD	ALL
00008760							
400630.00000	3272120.00000	0.00208	25.30	25.30	0.00	PERIOD	ALL
00008760							
400630.00000	3272220.00000	0.00218	25.30	25.30	0.00	PERIOD	ALL
00008760							
400630.00000	3272320.00000	0.00229	25.30	25.30	0.00	PERIOD	ALL
00008760							
400630.00000	3272420.00000	0.00242	25.30	25.30	0.00	PERIOD	ALL
00008760							
400630.00000	3272520.00000	0.00258	25.30	25.30	0.00	PERIOD	ALL
00008760							
400630.00000	3272620.00000	0.00274	25.30	25.30	0.00	PERIOD	ALL
00008760							
400630.00000	3272720.00000	0.00288	25.30	25.30	0.00	PERIOD	ALL
00008760							
400630.00000	3272820.00000	0.00301	25.30	25.30	0.00	PERIOD	ALL
00008760							
400630.00000	3272920.00000	0.00322	25.48	25.48	0.00	PERIOD	ALL
00008760							
400630.00000	3273020.00000	0.00338	26.10	26.10	0.00	PERIOD	ALL
00008760							
400630.00000	3273120.00000	0.00360	30.99	30.99	0.00	PERIOD	ALL
00008760							
400630.00000	3273220.00000	0.00411	36.40	36.40	0.00	PERIOD	ALL
00008760							
400630.00000	3273320.00000	0.00430	38.96	38.96	0.00	PERIOD	ALL
00008760							
400630.00000	3273420.00000	0.00448	41.25	41.25	0.00	PERIOD	ALL
00008760							
400630.00000	3273520.00000	0.00470	42.63	42.63	0.00	PERIOD	ALL
00008760							
400630.00000	3273620.00000	0.00501	39.64	39.64	0.00	PERIOD	ALL
00008760							
400630.00000	3273720.00000	0.00531	34.24	34.24	0.00	PERIOD	ALL
00008760							
400630.00000	3273820.00000	0.00559	29.30	29.30	0.00	PERIOD	ALL
00008760							
400630.00000	3273920.00000	0.00585	26.82	26.82	0.00	PERIOD	ALL
00008760							
400630.00000	3274020.00000	0.00607	26.82	26.82	0.00	PERIOD	ALL
00008760							
400630.00000	3274120.00000	0.00619	28.18	28.18	0.00	PERIOD	ALL
00008760							
400630.00000	3274220.00000	0.00616	30.49	30.49	0.00	PERIOD	ALL
00008760							
400630.00000	3274320.00000	0.00601	34.44	34.44	0.00	PERIOD	ALL
00008760							
400630.00000	3274420.00000	0.00577	39.76	39.76	0.00	PERIOD	ALL
00008760							
400630.00000	3274520.00000	0.00529	42.37	42.37	0.00	PERIOD	ALL
00008760							
400630.00000	3274620.00000	0.00482	42.47	42.47	0.00	PERIOD	ALL
00008760							
400630.00000	3274720.00000	0.00432	45.00	45.00	0.00	PERIOD	ALL
00008760							
400630.00000	3274820.00000	0.00384	49.20	49.20	0.00	PERIOD	ALL
00008760							
400630.00000	3274920.00000	0.00345	49.78	49.78	0.00	PERIOD	ALL
00008760							
400630.00000	3275020.00000	0.00312	48.77	48.77	0.00	PERIOD	ALL
00008760							

		HAFLBMAC.P05					
400630.00000	3275120.00000	0.00282	50.17	50.17	0.00	PERIOD	ALL
00008760							
400630.00000	3275220.00000	0.00259	49.38	49.38	0.00	PERIOD	ALL
00008760							
400630.00000	3275320.00000	0.00240	47.98	47.98	0.00	PERIOD	ALL
00008760							
400630.00000	3275420.00000	0.00222	48.30	48.30	0.00	PERIOD	ALL
00008760							
400630.00000	3275520.00000	0.00206	49.28	49.28	0.00	PERIOD	ALL
00008760							
400630.00000	3275620.00000	0.00193	49.20	49.20	0.00	PERIOD	ALL
00008760							
400630.00000	3275720.00000	0.00181	47.98	47.98	0.00	PERIOD	ALL
00008760							
400630.00000	3275820.00000	0.00169	48.97	48.97	0.00	PERIOD	ALL
00008760							
400730.00000	3271820.00000	0.00179	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3271920.00000	0.00186	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272020.00000	0.00193	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272120.00000	0.00201	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272220.00000	0.00211	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272320.00000	0.00221	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272420.00000	0.00233	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272520.00000	0.00246	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272620.00000	0.00256	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272720.00000	0.00265	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272820.00000	0.00280	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3272920.00000	0.00293	25.30	25.30	0.00	PERIOD	ALL
00008760							
400730.00000	3273020.00000	0.00305	28.58	28.58	0.00	PERIOD	ALL
00008760							
400730.00000	3273120.00000	0.00339	33.73	33.73	0.00	PERIOD	ALL
00008760							
400730.00000	3273220.00000	0.00368	37.01	37.01	0.00	PERIOD	ALL
00008760							
400730.00000	3273320.00000	0.00378	39.86	39.86	0.00	PERIOD	ALL
00008760							
400730.00000	3273420.00000	0.00399	43.48	43.48	0.00	PERIOD	ALL
00008760							
400730.00000	3273520.00000	0.00416	44.49	44.49	0.00	PERIOD	ALL
00008760							
400730.00000	3273620.00000	0.00453	41.58	41.58	0.00	PERIOD	ALL
00008760							
400730.00000	3273720.00000	0.00487	38.00	38.00	0.00	PERIOD	ALL
00008760							
400730.00000	3273820.00000	0.00510	33.93	33.93	0.00	PERIOD	ALL
00008760							
400730.00000	3273920.00000	0.00530	30.96	30.96	0.00	PERIOD	ALL
00008760							
400730.00000	3274020.00000	0.00544	29.26	29.26	0.00	PERIOD	ALL
00008760							
400730.00000	3274120.00000	0.00556	30.36	30.36	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760							
400730.00000	3274220.00000	0.00558	33.07	33.07	0.00	PERIOD	ALL
00008760							
400730.00000	3274320.00000	0.00554	38.20	38.20	0.00	PERIOD	ALL
00008760							
400730.00000	3274420.00000	0.00530	40.59	40.59	0.00	PERIOD	ALL
00008760							
400730.00000	3274520.00000	0.00491	42.84	42.84	0.00	PERIOD	ALL
00008760							
400730.00000	3274620.00000	0.00450	45.21	45.21	0.00	PERIOD	ALL
00008760							
400730.00000	3274720.00000	0.00410	47.10	47.10	0.00	PERIOD	ALL
00008760							
400730.00000	3274820.00000	0.00371	49.74	49.74	0.00	PERIOD	ALL
00008760							
400730.00000	3274920.00000	0.00335	51.82	51.82	0.00	PERIOD	ALL
00008760							
400730.00000	3275020.00000	0.00305	51.51	51.51	0.00	PERIOD	ALL
00008760							
400730.00000	3275120.00000	0.00278	51.15	51.15	0.00	PERIOD	ALL
00008760							
400730.00000	3275220.00000	0.00256	49.38	49.38	0.00	PERIOD	ALL
00008760							
400730.00000	3275320.00000	0.00238	47.05	47.05	0.00	PERIOD	ALL
00008760							
400730.00000	3275420.00000	0.00219	48.46	48.46	0.00	PERIOD	ALL
00008760							
400730.00000	3275520.00000	0.00205	48.56	48.56	0.00	PERIOD	ALL
00008760							
400730.00000	3275620.00000	0.00192	48.03	48.03	0.00	PERIOD	ALL
00008760							
400730.00000	3275720.00000	0.00181	46.90	46.90	0.00	PERIOD	ALL
00008760							
400730.00000	3275820.00000	0.00170	47.55	47.55	0.00	PERIOD	ALL
00008760							
400830.00000	3271820.00000	0.00175	25.30	25.30	0.00	PERIOD	ALL
00008760							
400830.00000	3271920.00000	0.00181	25.30	25.30	0.00	PERIOD	ALL
00008760							
400830.00000	3272020.00000	0.00188	25.30	25.30	0.00	PERIOD	ALL
00008760							
400830.00000	3272120.00000	0.00196	25.30	25.30	0.00	PERIOD	ALL
00008760							
400830.00000	3272220.00000	0.00204	25.30	25.30	0.00	PERIOD	ALL
00008760							
400830.00000	3272320.00000	0.00214	25.30	25.30	0.00	PERIOD	ALL
00008760							
400830.00000	3272420.00000	0.00223	25.30	25.30	0.00	PERIOD	ALL
00008760							
400830.00000	3272520.00000	0.00231	25.30	25.30	0.00	PERIOD	ALL
00008760							
400830.00000	3272620.00000	0.00238	25.30	25.30	0.00	PERIOD	ALL
00008760							
400830.00000	3272720.00000	0.00249	25.30	25.30	0.00	PERIOD	ALL
00008760							
400830.00000	3272820.00000	0.00259	25.30	25.30	0.00	PERIOD	ALL
00008760							
400830.00000	3272920.00000	0.00266	25.30	25.30	0.00	PERIOD	ALL
00008760							
400830.00000	3273020.00000	0.00281	28.55	28.55	0.00	PERIOD	ALL
00008760							
400830.00000	3273120.00000	0.00309	32.00	32.00	0.00	PERIOD	ALL
00008760							

		HAFLBMAC.P05						
400830.00000	3273220.00000	0.00323	35.15	35.15	0.00	PERIOD	ALL	
00008760								
400830.00000	3273320.00000	0.00341	38.91	38.91	0.00	PERIOD	ALL	
00008760								
400830.00000	3273420.00000	0.00364	42.98	42.98	0.00	PERIOD	ALL	
00008760								
400830.00000	3273520.00000	0.00376	46.02	46.02	0.00	PERIOD	ALL	
00008760								
400830.00000	3273620.00000	0.00410	43.48	43.48	0.00	PERIOD	ALL	
00008760								
400830.00000	3273720.00000	0.00447	41.15	41.15	0.00	PERIOD	ALL	
00008760								
400830.00000	3273820.00000	0.00471	38.00	38.00	0.00	PERIOD	ALL	
00008760								
400830.00000	3273920.00000	0.00485	34.75	34.75	0.00	PERIOD	ALL	
00008760								
400830.00000	3274020.00000	0.00494	32.00	32.00	0.00	PERIOD	ALL	
00008760								
400830.00000	3274120.00000	0.00504	32.41	32.41	0.00	PERIOD	ALL	
00008760								
400830.00000	3274220.00000	0.00511	36.27	36.27	0.00	PERIOD	ALL	
00008760								
400830.00000	3274320.00000	0.00507	39.32	39.32	0.00	PERIOD	ALL	
00008760								
400830.00000	3274420.00000	0.00488	40.34	40.34	0.00	PERIOD	ALL	
00008760								
400830.00000	3274520.00000	0.00457	42.67	42.67	0.00	PERIOD	ALL	
00008760								
400830.00000	3274620.00000	0.00423	45.72	45.72	0.00	PERIOD	ALL	
00008760								
400830.00000	3274720.00000	0.00390	47.65	47.65	0.00	PERIOD	ALL	
00008760								
400830.00000	3274820.00000	0.00359	48.67	48.67	0.00	PERIOD	ALL	
00008760								
400830.00000	3274920.00000	0.00328	49.99	49.99	0.00	PERIOD	ALL	
00008760								
400830.00000	3275020.00000	0.00299	51.31	51.31	0.00	PERIOD	ALL	
00008760								
400830.00000	3275120.00000	0.00273	51.71	51.71	0.00	PERIOD	ALL	
00008760								
400830.00000	3275220.00000	0.00252	50.29	50.29	0.00	PERIOD	ALL	
00008760								
400830.00000	3275320.00000	0.00236	46.53	46.53	0.00	PERIOD	ALL	
00008760								
400830.00000	3275420.00000	0.00218	46.84	46.84	0.00	PERIOD	ALL	
00008760								
400830.00000	3275520.00000	0.00201	50.29	50.29	0.00	PERIOD	ALL	
00008760								
400830.00000	3275620.00000	0.00191	46.94	46.94	0.00	PERIOD	ALL	
00008760								
400830.00000	3275720.00000	0.00181	45.11	45.11	0.00	PERIOD	ALL	
00008760								
400830.00000	3275820.00000	0.00170	47.55	47.55	0.00	PERIOD	ALL	
00008760								
400930.00000	3271820.00000	0.00171	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3271920.00000	0.00177	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272020.00000	0.00183	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272120.00000	0.00190	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272220.00000	0.00198	25.30	25.30	0.00	PERIOD	ALL	

HAFLBMAC.P05

00008760								
400930.00000	3272320.00000	0.00205	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272420.00000	0.00211	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272520.00000	0.00216	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272620.00000	0.00224	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272720.00000	0.00232	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272820.00000	0.00238	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3272920.00000	0.00243	25.30	25.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3273020.00000	0.00261	26.02	26.02	0.00	PERIOD	ALL	
00008760								
400930.00000	3273120.00000	0.00281	31.80	31.80	0.00	PERIOD	ALL	
00008760								
400930.00000	3273220.00000	0.00292	36.27	36.27	0.00	PERIOD	ALL	
00008760								
400930.00000	3273320.00000	0.00316	39.30	39.30	0.00	PERIOD	ALL	
00008760								
400930.00000	3273420.00000	0.00333	42.77	42.77	0.00	PERIOD	ALL	
00008760								
400930.00000	3273520.00000	0.00351	43.75	43.75	0.00	PERIOD	ALL	
00008760								
400930.00000	3273620.00000	0.00383	41.33	41.33	0.00	PERIOD	ALL	
00008760								
400930.00000	3273720.00000	0.00411	40.84	40.84	0.00	PERIOD	ALL	
00008760								
400930.00000	3273820.00000	0.00435	40.04	40.04	0.00	PERIOD	ALL	
00008760								
400930.00000	3273920.00000	0.00446	37.33	37.33	0.00	PERIOD	ALL	
00008760								
400930.00000	3274020.00000	0.00451	33.63	33.63	0.00	PERIOD	ALL	
00008760								
400930.00000	3274120.00000	0.00450	29.55	29.55	0.00	PERIOD	ALL	
00008760								
400930.00000	3274220.00000	0.00453	30.87	32.31	0.00	PERIOD	ALL	
00008760								
400930.00000	3274320.00000	0.00450	32.82	33.83	0.00	PERIOD	ALL	
00008760								
400930.00000	3274420.00000	0.00444	37.23	37.23	0.00	PERIOD	ALL	
00008760								
400930.00000	3274520.00000	0.00429	40.76	40.76	0.00	PERIOD	ALL	
00008760								
400930.00000	3274620.00000	0.00400	43.89	43.89	0.00	PERIOD	ALL	
00008760								
400930.00000	3274720.00000	0.00373	45.29	45.29	0.00	PERIOD	ALL	
00008760								
400930.00000	3274820.00000	0.00347	46.14	46.14	0.00	PERIOD	ALL	
00008760								
400930.00000	3274920.00000	0.00320	46.94	46.94	0.00	PERIOD	ALL	
00008760								
400930.00000	3275020.00000	0.00295	47.73	47.73	0.00	PERIOD	ALL	
00008760								
400930.00000	3275120.00000	0.00271	48.39	48.39	0.00	PERIOD	ALL	
00008760								
400930.00000	3275220.00000	0.00251	47.96	47.96	0.00	PERIOD	ALL	
00008760								
400930.00000	3275320.00000	0.00234	45.21	45.21	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05						
400930.00000	3275420.00000	0.00218	44.36	44.36	0.00	PERIOD	ALL	
00008760								
400930.00000	3275520.00000	0.00202	45.52	45.52	0.00	PERIOD	ALL	
00008760								
400930.00000	3275620.00000	0.00192	43.77	43.77	0.00	PERIOD	ALL	
00008760								
400930.00000	3275720.00000	0.00179	45.04	45.04	0.00	PERIOD	ALL	
00008760								
400930.00000	3275820.00000	0.00167	48.67	48.67	0.00	PERIOD	ALL	
00008760								
401030.00000	3271820.00000	0.00168	25.17	25.17	0.00	PERIOD	ALL	
00008760								
401030.00000	3271920.00000	0.00173	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401030.00000	3272020.00000	0.00179	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401030.00000	3272120.00000	0.00184	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401030.00000	3272220.00000	0.00190	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401030.00000	3272320.00000	0.00195	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401030.00000	3272420.00000	0.00199	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401030.00000	3272520.00000	0.00205	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401030.00000	3272620.00000	0.00211	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401030.00000	3272720.00000	0.00216	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401030.00000	3272820.00000	0.00219	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401030.00000	3272920.00000	0.00228	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401030.00000	3273020.00000	0.00242	25.48	25.48	0.00	PERIOD	ALL	
00008760								
401030.00000	3273120.00000	0.00255	30.18	30.18	0.00	PERIOD	ALL	
00008760								
401030.00000	3273220.00000	0.00269	35.19	35.19	0.00	PERIOD	ALL	
00008760								
401030.00000	3273320.00000	0.00292	38.04	38.04	0.00	PERIOD	ALL	
00008760								
401030.00000	3273420.00000	0.00313	40.74	40.74	0.00	PERIOD	ALL	
00008760								
401030.00000	3273520.00000	0.00333	40.66	40.66	0.00	PERIOD	ALL	
00008760								
401030.00000	3273620.00000	0.00354	38.31	38.31	0.00	PERIOD	ALL	
00008760								
401030.00000	3273720.00000	0.00375	37.59	37.59	0.00	PERIOD	ALL	
00008760								
401030.00000	3273820.00000	0.00394	37.77	37.77	0.00	PERIOD	ALL	
00008760								
401030.00000	3273920.00000	0.00409	37.68	37.68	0.00	PERIOD	ALL	
00008760								
401030.00000	3274020.00000	0.00411	33.43	33.43	0.00	PERIOD	ALL	
00008760								
401030.00000	3274120.00000	0.00409	28.42	28.42	0.00	PERIOD	ALL	
00008760								
401030.00000	3274220.00000	0.00411	28.35	28.35	0.00	PERIOD	ALL	
00008760								
401030.00000	3274320.00000	0.00406	28.35	28.35	0.00	PERIOD	ALL	
00008760								
401030.00000	3274420.00000	0.00398	29.80	29.80	0.00	PERIOD	ALL	

HAFLBMAC.P05

00008760							
401030.00000	3274520.00000	0.00394	36.65	36.65	0.00	PERIOD	ALL
00008760							
401030.00000	3274620.00000	0.00381	40.13	40.13	0.00	PERIOD	ALL
00008760							
401030.00000	3274720.00000	0.00358	42.08	42.08	0.00	PERIOD	ALL
00008760							
401030.00000	3274820.00000	0.00335	43.05	43.05	0.00	PERIOD	ALL
00008760							
401030.00000	3274920.00000	0.00311	44.91	44.91	0.00	PERIOD	ALL
00008760							
401030.00000	3275020.00000	0.00289	45.42	45.42	0.00	PERIOD	ALL
00008760							
401030.00000	3275120.00000	0.00269	45.13	45.13	0.00	PERIOD	ALL
00008760							
401030.00000	3275220.00000	0.00250	44.40	44.40	0.00	PERIOD	ALL
00008760							
401030.00000	3275320.00000	0.00234	42.91	42.91	0.00	PERIOD	ALL
00008760							
401030.00000	3275420.00000	0.00220	41.11	41.11	0.00	PERIOD	ALL
00008760							
401030.00000	3275520.00000	0.00206	40.44	40.44	0.00	PERIOD	ALL
00008760							
401030.00000	3275620.00000	0.00193	40.82	40.82	0.00	PERIOD	ALL
00008760							
401030.00000	3275720.00000	0.00178	44.85	44.85	0.00	PERIOD	ALL
00008760							
401030.00000	3275820.00000	0.00165	48.87	48.87	0.00	PERIOD	ALL
00008760							
401130.00000	3271820.00000	0.00164	25.30	25.30	0.00	PERIOD	ALL
00008760							
401130.00000	3271920.00000	0.00169	25.30	25.30	0.00	PERIOD	ALL
00008760							
401130.00000	3272020.00000	0.00173	25.30	25.30	0.00	PERIOD	ALL
00008760							
401130.00000	3272120.00000	0.00178	25.30	25.30	0.00	PERIOD	ALL
00008760							
401130.00000	3272220.00000	0.00182	25.30	25.30	0.00	PERIOD	ALL
00008760							
401130.00000	3272320.00000	0.00185	25.30	25.30	0.00	PERIOD	ALL
00008760							
401130.00000	3272420.00000	0.00189	25.30	25.30	0.00	PERIOD	ALL
00008760							
401130.00000	3272520.00000	0.00194	25.30	25.30	0.00	PERIOD	ALL
00008760							
401130.00000	3272620.00000	0.00198	25.30	25.30	0.00	PERIOD	ALL
00008760							
401130.00000	3272720.00000	0.00201	25.30	25.30	0.00	PERIOD	ALL
00008760							
401130.00000	3272820.00000	0.00205	25.30	25.30	0.00	PERIOD	ALL
00008760							
401130.00000	3272920.00000	0.00216	25.30	25.30	0.00	PERIOD	ALL
00008760							
401130.00000	3273020.00000	0.00225	25.30	25.30	0.00	PERIOD	ALL
00008760							
401130.00000	3273120.00000	0.00233	27.74	27.74	0.00	PERIOD	ALL
00008760							
401130.00000	3273220.00000	0.00250	33.43	33.43	0.00	PERIOD	ALL
00008760							
401130.00000	3273320.00000	0.00272	37.19	37.19	0.00	PERIOD	ALL
00008760							
401130.00000	3273420.00000	0.00290	38.40	38.40	0.00	PERIOD	ALL
00008760							

		HAFLBMAC.P05					
401130.00000	3273520.00000	0.00307	37.39	37.39	0.00	PERIOD	ALL
00008760							
401130.00000	3273620.00000	0.00324	35.15	35.15	0.00	PERIOD	ALL
00008760							
401130.00000	3273720.00000	0.00340	33.22	33.22	0.00	PERIOD	ALL
00008760							
401130.00000	3273820.00000	0.00356	33.32	33.32	0.00	PERIOD	ALL
00008760							
401130.00000	3273920.00000	0.00371	34.54	34.54	0.00	PERIOD	ALL
00008760							
401130.00000	3274020.00000	0.00377	32.31	32.31	0.00	PERIOD	ALL
00008760							
401130.00000	3274120.00000	0.00376	28.35	28.35	0.00	PERIOD	ALL
00008760							
401130.00000	3274220.00000	0.00378	28.35	28.35	0.00	PERIOD	ALL
00008760							
401130.00000	3274320.00000	0.00376	28.35	28.35	0.00	PERIOD	ALL
00008760							
401130.00000	3274420.00000	0.00368	28.45	28.45	0.00	PERIOD	ALL
00008760							
401130.00000	3274520.00000	0.00360	31.39	31.39	0.00	PERIOD	ALL
00008760							
401130.00000	3274620.00000	0.00350	34.44	34.44	0.00	PERIOD	ALL
00008760							
401130.00000	3274720.00000	0.00338	38.10	38.10	0.00	PERIOD	ALL
00008760							
401130.00000	3274820.00000	0.00320	42.27	42.27	0.00	PERIOD	ALL
00008760							
401130.00000	3274920.00000	0.00297	46.02	46.02	0.00	PERIOD	ALL
00008760							
401130.00000	3275020.00000	0.00281	44.09	44.09	0.00	PERIOD	ALL
00008760							
401130.00000	3275120.00000	0.00267	40.64	40.64	0.00	PERIOD	ALL
00008760							
401130.00000	3275220.00000	0.00249	39.62	39.62	0.00	PERIOD	ALL
00008760							
401130.00000	3275320.00000	0.00230	36.98	36.98	0.00	PERIOD	ALL
00008760							
401130.00000	3275420.00000	0.00213	35.56	35.56	0.00	PERIOD	ALL
00008760							
401130.00000	3275520.00000	0.00200	35.97	35.97	0.00	PERIOD	ALL
00008760							
401130.00000	3275620.00000	0.00190	39.52	39.52	0.00	PERIOD	ALL
00008760							
401130.00000	3275720.00000	0.00177	43.38	43.38	0.00	PERIOD	ALL
00008760							
401130.00000	3275820.00000	0.00165	46.33	46.33	0.00	PERIOD	ALL
00008760							
401230.00000	3271820.00000	0.00160	25.30	25.30	0.00	PERIOD	ALL
00008760							
401230.00000	3271920.00000	0.00164	25.30	25.30	0.00	PERIOD	ALL
00008760							
401230.00000	3272020.00000	0.00168	25.30	25.30	0.00	PERIOD	ALL
00008760							
401230.00000	3272120.00000	0.00171	25.30	25.30	0.00	PERIOD	ALL
00008760							
401230.00000	3272220.00000	0.00174	25.30	25.30	0.00	PERIOD	ALL
00008760							
401230.00000	3272320.00000	0.00177	25.30	25.30	0.00	PERIOD	ALL
00008760							
401230.00000	3272420.00000	0.00181	25.89	25.89	0.00	PERIOD	ALL
00008760							
401230.00000	3272520.00000	0.00185	27.43	27.43	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
401230.00000	3272620.00000	0.00186	26.28	26.28	0.00	PERIOD	ALL	
00008760								
401230.00000	3272720.00000	0.00189	26.28	26.28	0.00	PERIOD	ALL	
00008760								
401230.00000	3272820.00000	0.00195	26.01	26.01	0.00	PERIOD	ALL	
00008760								
401230.00000	3272920.00000	0.00203	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401230.00000	3273020.00000	0.00210	25.30	25.30	0.00	PERIOD	ALL	
00008760								
401230.00000	3273120.00000	0.00217	26.21	26.21	0.00	PERIOD	ALL	
00008760								
401230.00000	3273220.00000	0.00236	32.45	32.45	0.00	PERIOD	ALL	
00008760								
401230.00000	3273320.00000	0.00254	36.08	36.08	0.00	PERIOD	ALL	
00008760								
401230.00000	3273420.00000	0.00270	36.68	36.68	0.00	PERIOD	ALL	
00008760								
401230.00000	3273520.00000	0.00284	33.58	33.58	0.00	PERIOD	ALL	
00008760								
401230.00000	3273620.00000	0.00299	31.81	31.81	0.00	PERIOD	ALL	
00008760								
401230.00000	3273720.00000	0.00313	30.07	30.07	0.00	PERIOD	ALL	
00008760								
401230.00000	3273820.00000	0.00327	29.75	29.75	0.00	PERIOD	ALL	
00008760								
401230.00000	3273920.00000	0.00341	31.95	31.95	0.00	PERIOD	ALL	
00008760								
401230.00000	3274020.00000	0.00350	32.92	32.92	0.00	PERIOD	ALL	
00008760								
401230.00000	3274120.00000	0.00349	28.35	28.35	0.00	PERIOD	ALL	
00008760								
401230.00000	3274220.00000	0.00351	28.35	28.35	0.00	PERIOD	ALL	
00008760								
401230.00000	3274320.00000	0.00349	28.35	28.35	0.00	PERIOD	ALL	
00008760								
401230.00000	3274420.00000	0.00343	28.35	28.35	0.00	PERIOD	ALL	
00008760								
401230.00000	3274520.00000	0.00336	29.83	29.83	0.00	PERIOD	ALL	
00008760								
401230.00000	3274620.00000	0.00331	36.07	36.07	0.00	PERIOD	ALL	
00008760								
401230.00000	3274720.00000	0.00322	40.50	40.50	0.00	PERIOD	ALL	
00008760								
401230.00000	3274820.00000	0.00304	42.77	42.77	0.00	PERIOD	ALL	
00008760								
401230.00000	3274920.00000	0.00286	44.60	44.60	0.00	PERIOD	ALL	
00008760								
401230.00000	3275020.00000	0.00270	44.97	44.97	0.00	PERIOD	ALL	
00008760								
401230.00000	3275120.00000	0.00259	41.04	41.04	0.00	PERIOD	ALL	
00008760								
401230.00000	3275220.00000	0.00238	34.04	34.04	0.00	PERIOD	ALL	
00008760								
401230.00000	3275320.00000	0.00222	32.92	32.92	0.00	PERIOD	ALL	
00008760								
401230.00000	3275420.00000	0.00208	32.92	32.92	0.00	PERIOD	ALL	
00008760								
401230.00000	3275520.00000	0.00195	32.92	32.92	0.00	PERIOD	ALL	
00008760								
401230.00000	3275620.00000	0.00187	37.67	37.67	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
401230.00000	3275720.00000	0.00178	39.98	39.98	0.00	PERIOD	ALL
00008760							
401230.00000	3275820.00000	0.00167	41.55	41.55	0.00	PERIOD	ALL
00008760							
401330.00000	3271820.00000	0.00155	25.30	25.30	0.00	PERIOD	ALL
00008760							
401330.00000	3271920.00000	0.00159	25.30	25.30	0.00	PERIOD	ALL
00008760							
401330.00000	3272020.00000	0.00162	25.30	25.30	0.00	PERIOD	ALL
00008760							
401330.00000	3272120.00000	0.00164	25.30	25.30	0.00	PERIOD	ALL
00008760							
401330.00000	3272220.00000	0.00166	25.30	25.30	0.00	PERIOD	ALL
00008760							
401330.00000	3272320.00000	0.00169	25.30	25.30	0.00	PERIOD	ALL
00008760							
401330.00000	3272420.00000	0.00171	25.42	25.42	0.00	PERIOD	ALL
00008760							
401330.00000	3272520.00000	0.00174	26.72	26.72	0.00	PERIOD	ALL
00008760							
401330.00000	3272620.00000	0.00176	26.12	26.12	0.00	PERIOD	ALL
00008760							
401330.00000	3272720.00000	0.00181	28.39	28.39	0.00	PERIOD	ALL
00008760							
401330.00000	3272820.00000	0.00187	27.94	27.94	0.00	PERIOD	ALL
00008760							
401330.00000	3272920.00000	0.00192	26.21	26.21	0.00	PERIOD	ALL
00008760							
401330.00000	3273020.00000	0.00198	26.10	26.10	0.00	PERIOD	ALL
00008760							
401330.00000	3273120.00000	0.00211	31.29	31.29	0.00	PERIOD	ALL
00008760							
401330.00000	3273220.00000	0.00225	33.64	33.64	0.00	PERIOD	ALL
00008760							
401330.00000	3273320.00000	0.00239	34.53	34.53	0.00	PERIOD	ALL
00008760							
401330.00000	3273420.00000	0.00253	34.14	34.14	0.00	PERIOD	ALL
00008760							
401330.00000	3273520.00000	0.00265	31.03	31.03	0.00	PERIOD	ALL
00008760							
401330.00000	3273620.00000	0.00278	27.95	27.95	0.00	PERIOD	ALL
00008760							
401330.00000	3273720.00000	0.00290	26.82	26.82	0.00	PERIOD	ALL
00008760							
401330.00000	3273820.00000	0.00302	26.93	26.93	0.00	PERIOD	ALL
00008760							
401330.00000	3273920.00000	0.00314	28.94	28.94	0.00	PERIOD	ALL
00008760							
401330.00000	3274020.00000	0.00323	30.99	30.99	0.00	PERIOD	ALL
00008760							
401330.00000	3274120.00000	0.00326	29.65	29.65	0.00	PERIOD	ALL
00008760							
401330.00000	3274220.00000	0.00326	28.35	28.35	0.00	PERIOD	ALL
00008760							
401330.00000	3274320.00000	0.00325	28.35	28.35	0.00	PERIOD	ALL
00008760							
401330.00000	3274420.00000	0.00321	28.35	28.35	0.00	PERIOD	ALL
00008760							
401330.00000	3274520.00000	0.00316	30.19	30.19	0.00	PERIOD	ALL
00008760							
401330.00000	3274620.00000	0.00311	35.05	35.05	0.00	PERIOD	ALL
00008760							
401330.00000	3274720.00000	0.00304	38.79	38.79	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760							
401330.00000	3274820.00000	0.00290	38.75	38.75	0.00	PERIOD	ALL
00008760							
401330.00000	3274920.00000	0.00275	37.19	42.37	0.00	PERIOD	ALL
00008760							
401330.00000	3275020.00000	0.00265	39.99	39.99	0.00	PERIOD	ALL
00008760							
401330.00000	3275120.00000	0.00249	38.22	38.22	0.00	PERIOD	ALL
00008760							
401330.00000	3275220.00000	0.00232	34.34	34.34	0.00	PERIOD	ALL
00008760							
401330.00000	3275320.00000	0.00217	32.92	32.92	0.00	PERIOD	ALL
00008760							
401330.00000	3275420.00000	0.00205	32.92	32.92	0.00	PERIOD	ALL
00008760							
401330.00000	3275520.00000	0.00193	32.92	32.92	0.00	PERIOD	ALL
00008760							
401330.00000	3275620.00000	0.00182	33.51	33.51	0.00	PERIOD	ALL
00008760							
401330.00000	3275720.00000	0.00173	36.13	36.13	0.00	PERIOD	ALL
00008760							
401330.00000	3275820.00000	0.00165	38.30	38.30	0.00	PERIOD	ALL
00008760							
401430.00000	3271820.00000	0.00150	25.20	25.20	0.00	PERIOD	ALL
00008760							
401430.00000	3271920.00000	0.00153	25.30	25.30	0.00	PERIOD	ALL
00008760							
401430.00000	3272020.00000	0.00155	25.30	25.30	0.00	PERIOD	ALL
00008760							
401430.00000	3272120.00000	0.00157	25.30	25.30	0.00	PERIOD	ALL
00008760							
401430.00000	3272220.00000	0.00159	25.30	25.30	0.00	PERIOD	ALL
00008760							
401430.00000	3272320.00000	0.00161	25.30	25.30	0.00	PERIOD	ALL
00008760							
401430.00000	3272420.00000	0.00164	27.53	27.53	0.00	PERIOD	ALL
00008760							
401430.00000	3272520.00000	0.00166	27.43	27.43	0.00	PERIOD	ALL
00008760							
401430.00000	3272620.00000	0.00168	27.84	27.84	0.00	PERIOD	ALL
00008760							
401430.00000	3272720.00000	0.00172	27.94	27.94	0.00	PERIOD	ALL
00008760							
401430.00000	3272820.00000	0.00177	26.21	26.21	0.00	PERIOD	ALL
00008760							
401430.00000	3272920.00000	0.00184	28.65	28.65	0.00	PERIOD	ALL
00008760							
401430.00000	3273020.00000	0.00192	32.00	32.00	0.00	PERIOD	ALL
00008760							
401430.00000	3273120.00000	0.00204	34.14	34.14	0.00	PERIOD	ALL
00008760							
401430.00000	3273220.00000	0.00218	36.58	36.58	0.00	PERIOD	ALL
00008760							
401430.00000	3273320.00000	0.00230	36.07	36.07	0.00	PERIOD	ALL
00008760							
401430.00000	3273420.00000	0.00239	32.31	32.31	0.00	PERIOD	ALL
00008760							
401430.00000	3273520.00000	0.00250	29.16	29.16	0.00	PERIOD	ALL
00008760							
401430.00000	3273620.00000	0.00262	26.82	26.82	0.00	PERIOD	ALL
00008760							
401430.00000	3273720.00000	0.00274	26.82	26.82	0.00	PERIOD	ALL
00008760							

		HAFLBMAC.P05					
401430.00000	3273820.00000	0.00284	26.82	26.82	0.00	PERIOD	ALL
00008760							
401430.00000	3273920.00000	0.00292	26.82	26.82	0.00	PERIOD	ALL
00008760							
401430.00000	3274020.00000	0.00302	30.48	30.48	0.00	PERIOD	ALL
00008760							
401430.00000	3274120.00000	0.00308	32.41	32.41	0.00	PERIOD	ALL
00008760							
401430.00000	3274220.00000	0.00305	28.55	28.55	0.00	PERIOD	ALL
00008760							
401430.00000	3274320.00000	0.00305	28.65	28.65	0.00	PERIOD	ALL
00008760							
401430.00000	3274420.00000	0.00306	32.21	32.21	0.00	PERIOD	ALL
00008760							
401430.00000	3274520.00000	0.00302	34.14	34.14	0.00	PERIOD	ALL
00008760							
401430.00000	3274620.00000	0.00295	35.36	35.36	0.00	PERIOD	ALL
00008760							
401430.00000	3274720.00000	0.00282	33.83	33.83	0.00	PERIOD	ALL
00008760							
401430.00000	3274820.00000	0.00268	30.58	30.58	0.00	PERIOD	ALL
00008760							
401430.00000	3274920.00000	0.00256	29.87	29.87	0.00	PERIOD	ALL
00008760							
401430.00000	3275020.00000	0.00245	30.48	30.48	0.00	PERIOD	ALL
00008760							
401430.00000	3275120.00000	0.00240	37.39	37.39	0.00	PERIOD	ALL
00008760							
401430.00000	3275220.00000	0.00229	38.71	38.71	0.00	PERIOD	ALL
00008760							
401430.00000	3275320.00000	0.00213	34.04	34.04	0.00	PERIOD	ALL
00008760							
401430.00000	3275420.00000	0.00201	32.92	32.92	0.00	PERIOD	ALL
00008760							
401430.00000	3275520.00000	0.00190	32.92	32.92	0.00	PERIOD	ALL
00008760							
401430.00000	3275620.00000	0.00180	33.63	33.63	0.00	PERIOD	ALL
00008760							
401430.00000	3275720.00000	0.00171	35.56	35.56	0.00	PERIOD	ALL
00008760							
401430.00000	3275820.00000	0.00162	36.27	36.27	0.00	PERIOD	ALL
00008760							
401530.00000	3271820.00000	0.00145	25.30	25.30	0.00	PERIOD	ALL
00008760							
401530.00000	3271920.00000	0.00147	25.30	25.30	0.00	PERIOD	ALL
00008760							
401530.00000	3272020.00000	0.00149	25.30	25.30	0.00	PERIOD	ALL
00008760							
401530.00000	3272120.00000	0.00152	26.10	26.10	0.00	PERIOD	ALL
00008760							
401530.00000	3272220.00000	0.00154	26.62	26.62	0.00	PERIOD	ALL
00008760							
401530.00000	3272320.00000	0.00156	27.50	27.50	0.00	PERIOD	ALL
00008760							
401530.00000	3272420.00000	0.00158	29.75	29.75	0.00	PERIOD	ALL
00008760							
401530.00000	3272520.00000	0.00160	29.87	29.87	0.00	PERIOD	ALL
00008760							
401530.00000	3272620.00000	0.00162	30.01	30.01	0.00	PERIOD	ALL
00008760							
401530.00000	3272720.00000	0.00165	27.86	27.86	0.00	PERIOD	ALL
00008760							
401530.00000	3272820.00000	0.00169	26.82	26.82	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
401530.00000	3272920.00000	0.00175	28.60	28.60	0.00	PERIOD	ALL	
00008760								
401530.00000	3273020.00000	0.00184	31.79	31.79	0.00	PERIOD	ALL	
00008760								
401530.00000	3273120.00000	0.00195	33.73	33.73	0.00	PERIOD	ALL	
00008760								
401530.00000	3273220.00000	0.00209	36.63	36.63	0.00	PERIOD	ALL	
00008760								
401530.00000	3273320.00000	0.00221	37.19	37.19	0.00	PERIOD	ALL	
00008760								
401530.00000	3273420.00000	0.00231	34.54	34.54	0.00	PERIOD	ALL	
00008760								
401530.00000	3273520.00000	0.00239	29.32	29.32	0.00	PERIOD	ALL	
00008760								
401530.00000	3273620.00000	0.00249	26.82	26.82	0.00	PERIOD	ALL	
00008760								
401530.00000	3273720.00000	0.00260	26.82	26.82	0.00	PERIOD	ALL	
00008760								
401530.00000	3273820.00000	0.00269	26.82	26.82	0.00	PERIOD	ALL	
00008760								
401530.00000	3273920.00000	0.00275	26.89	26.89	0.00	PERIOD	ALL	
00008760								
401530.00000	3274020.00000	0.00285	31.39	31.39	0.00	PERIOD	ALL	
00008760								
401530.00000	3274120.00000	0.00295	36.52	36.52	0.00	PERIOD	ALL	
00008760								
401530.00000	3274220.00000	0.00297	37.10	37.10	0.00	PERIOD	ALL	
00008760								
401530.00000	3274320.00000	0.00295	36.17	36.17	0.00	PERIOD	ALL	
00008760								
401530.00000	3274420.00000	0.00293	36.27	36.27	0.00	PERIOD	ALL	
00008760								
401530.00000	3274520.00000	0.00291	38.81	38.81	0.00	PERIOD	ALL	
00008760								
401530.00000	3274620.00000	0.00280	36.58	36.58	0.00	PERIOD	ALL	
00008760								
401530.00000	3274720.00000	0.00265	30.38	30.38	0.00	PERIOD	ALL	
00008760								
401530.00000	3274820.00000	0.00255	29.87	29.87	0.00	PERIOD	ALL	
00008760								
401530.00000	3274920.00000	0.00245	29.87	29.87	0.00	PERIOD	ALL	
00008760								
401530.00000	3275020.00000	0.00235	29.87	29.87	0.00	PERIOD	ALL	
00008760								
401530.00000	3275120.00000	0.00230	35.83	35.83	0.00	PERIOD	ALL	
00008760								
401530.00000	3275220.00000	0.00222	38.30	38.30	0.00	PERIOD	ALL	
00008760								
401530.00000	3275320.00000	0.00209	35.87	35.87	0.00	PERIOD	ALL	
00008760								
401530.00000	3275420.00000	0.00199	35.41	35.41	0.00	PERIOD	ALL	
00008760								
401530.00000	3275520.00000	0.00187	33.22	33.22	0.00	PERIOD	ALL	
00008760								
401530.00000	3275620.00000	0.00177	32.92	32.92	0.00	PERIOD	ALL	
00008760								
401530.00000	3275720.00000	0.00168	32.99	37.19	0.00	PERIOD	ALL	
00008760								
401530.00000	3275820.00000	0.00163	39.83	39.83	0.00	PERIOD	ALL	
00008760								
397530.00000	3276320.00000	0.00100	29.87	29.87	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
397530.00000	3276820.00000	0.00080	29.87	29.87	0.00	PERIOD	ALL
00008760							
397530.00000	3277320.00000	0.00068	30.48	30.48	0.00	PERIOD	ALL
00008760							
397530.00000	3277820.00000	0.00060	31.29	31.29	0.00	PERIOD	ALL
00008760							
398030.00000	3276320.00000	0.00101	29.87	29.87	0.00	PERIOD	ALL
00008760							
398030.00000	3276820.00000	0.00082	29.87	29.87	0.00	PERIOD	ALL
00008760							
398030.00000	3277320.00000	0.00070	29.87	29.87	0.00	PERIOD	ALL
00008760							
398030.00000	3277820.00000	0.00062	31.64	31.64	0.00	PERIOD	ALL
00008760							
398530.00000	3276320.00000	0.00103	29.64	29.64	0.00	PERIOD	ALL
00008760							
398530.00000	3276820.00000	0.00084	29.87	29.87	0.00	PERIOD	ALL
00008760							
398530.00000	3277320.00000	0.00072	30.48	30.48	0.00	PERIOD	ALL
00008760							
398530.00000	3277820.00000	0.00066	40.90	40.90	0.00	PERIOD	ALL
00008760							
399030.00000	3276320.00000	0.00103	29.87	29.87	0.00	PERIOD	ALL
00008760							
399030.00000	3276820.00000	0.00084	30.18	30.18	0.00	PERIOD	ALL
00008760							
399030.00000	3277320.00000	0.00073	42.37	42.37	0.00	PERIOD	ALL
00008760							
399030.00000	3277820.00000	0.00064	44.09	44.09	0.00	PERIOD	ALL
00008760							
399530.00000	3276320.00000	0.00102	44.24	44.24	0.00	PERIOD	ALL
00008760							
399530.00000	3276820.00000	0.00082	42.09	42.09	0.00	PERIOD	ALL
00008760							
399530.00000	3277320.00000	0.00066	47.24	47.24	0.00	PERIOD	ALL
00008760							
399530.00000	3277820.00000	0.00058	43.09	43.09	0.00	PERIOD	ALL
00008760							
400030.00000	3276320.00000	0.00107	49.63	49.63	0.00	PERIOD	ALL
00008760							
400030.00000	3276820.00000	0.00081	52.61	52.61	0.00	PERIOD	ALL
00008760							
400030.00000	3277320.00000	0.00066	53.34	53.34	0.00	PERIOD	ALL
00008760							
400030.00000	3277820.00000	0.00056	54.00	54.00	0.00	PERIOD	ALL
00008760							
400530.00000	3276320.00000	0.00118	52.32	52.32	0.00	PERIOD	ALL
00008760							
400530.00000	3276820.00000	0.00089	52.63	52.63	0.00	PERIOD	ALL
00008760							
400530.00000	3277320.00000	0.00071	53.04	53.04	0.00	PERIOD	ALL
00008760							
400530.00000	3277820.00000	0.00059	53.85	53.85	0.00	PERIOD	ALL
00008760							
401030.00000	3276320.00000	0.00129	55.29	55.29	0.00	PERIOD	ALL
00008760							
401030.00000	3276820.00000	0.00103	51.05	51.05	0.00	PERIOD	ALL
00008760							
401030.00000	3277320.00000	0.00081	52.02	52.02	0.00	PERIOD	ALL
00008760							
401030.00000	3277820.00000	0.00068	44.97	44.97	0.00	PERIOD	ALL
00008760							
401530.00000	3276320.00000	0.00120	58.52	58.52	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760								
401530.00000	3276820.00000	0.00103	63.95	63.95	0.00	PERIOD	ALL	
00008760								
401530.00000	3277320.00000	0.00091	45.72	45.72	0.00	PERIOD	ALL	
00008760								
401530.00000	3277820.00000	0.00076	32.54	32.54	0.00	PERIOD	ALL	
00008760								
402030.00000	3276320.00000	0.00117	52.22	52.22	0.00	PERIOD	ALL	
00008760								
402030.00000	3276820.00000	0.00095	55.68	55.68	0.00	PERIOD	ALL	
00008760								
402030.00000	3277320.00000	0.00087	48.16	48.16	0.00	PERIOD	ALL	
00008760								
402030.00000	3277820.00000	0.00077	29.87	29.87	0.00	PERIOD	ALL	
00008760								
402530.00000	3276320.00000	0.00116	35.95	35.95	0.00	PERIOD	ALL	
00008760								
402530.00000	3276820.00000	0.00097	42.88	42.88	0.00	PERIOD	ALL	
00008760								
402530.00000	3277320.00000	0.00083	39.93	39.93	0.00	PERIOD	ALL	
00008760								
402530.00000	3277820.00000	0.00072	27.97	27.97	0.00	PERIOD	ALL	
00008760								
403030.00000	3276320.00000	0.00107	41.95	41.95	0.00	PERIOD	ALL	
00008760								
403030.00000	3276820.00000	0.00094	45.48	45.48	0.00	PERIOD	ALL	
00008760								
403030.00000	3277320.00000	0.00079	47.24	47.24	0.00	PERIOD	ALL	
00008760								
403030.00000	3277820.00000	0.00068	28.72	28.72	0.00	PERIOD	ALL	
00008760								
403530.00000	3276320.00000	0.00096	43.27	43.27	0.00	PERIOD	ALL	
00008760								
403530.00000	3276820.00000	0.00087	50.19	50.19	0.00	PERIOD	ALL	
00008760								
403530.00000	3277320.00000	0.00080	41.00	41.00	0.00	PERIOD	ALL	
00008760								
403530.00000	3277820.00000	0.00067	29.57	29.57	0.00	PERIOD	ALL	
00008760								
402030.00000	3275820.00000	0.00152	38.10	38.10	0.00	PERIOD	ALL	
00008760								
402030.00000	3275320.00000	0.00178	33.22	33.22	0.00	PERIOD	ALL	
00008760								
402030.00000	3274820.00000	0.00213	38.81	38.81	0.00	PERIOD	ALL	
00008760								
402030.00000	3274320.00000	0.00233	39.93	39.93	0.00	PERIOD	ALL	
00008760								
402030.00000	3273820.00000	0.00214	26.82	26.82	0.00	PERIOD	ALL	
00008760								
402030.00000	3273320.00000	0.00179	28.24	28.24	0.00	PERIOD	ALL	
00008760								
402030.00000	3272820.00000	0.00146	31.39	31.39	0.00	PERIOD	ALL	
00008760								
402030.00000	3272320.00000	0.00127	25.30	25.30	0.00	PERIOD	ALL	
00008760								
402030.00000	3271820.00000	0.00122	25.30	25.30	0.00	PERIOD	ALL	
00008760								
402030.00000	3271320.00000	0.00119	28.35	28.35	0.00	PERIOD	ALL	
00008760								
402030.00000	3270820.00000	0.00111	24.38	24.38	0.00	PERIOD	ALL	
00008760								
402030.00000	3270320.00000	0.00105	31.19	31.19	0.00	PERIOD	ALL	
00008760								

		HAFLBMAC.P05					
402030.00000	3269820.00000	0.00094	31.39	31.39	0.00	PERIOD	ALL
00008760							
402530.00000	3275820.00000	0.00133	32.92	32.92	0.00	PERIOD	ALL
00008760							
402530.00000	3275320.00000	0.00149	26.82	26.82	0.00	PERIOD	ALL
00008760							
402530.00000	3274820.00000	0.00171	27.56	27.56	0.00	PERIOD	ALL
00008760							
402530.00000	3274320.00000	0.00182	28.45	28.45	0.00	PERIOD	ALL
00008760							
402530.00000	3273820.00000	0.00179	26.95	26.95	0.00	PERIOD	ALL
00008760							
402530.00000	3273320.00000	0.00156	26.82	26.82	0.00	PERIOD	ALL
00008760							
402530.00000	3272820.00000	0.00126	25.30	25.30	0.00	PERIOD	ALL
00008760							
402530.00000	3272320.00000	0.00109	25.30	25.30	0.00	PERIOD	ALL
00008760							
402530.00000	3271820.00000	0.00109	34.14	34.14	0.00	PERIOD	ALL
00008760							
402530.00000	3271320.00000	0.00103	28.75	28.75	0.00	PERIOD	ALL
00008760							
402530.00000	3270820.00000	0.00099	23.84	23.84	0.00	PERIOD	ALL
00008760							
402530.00000	3270320.00000	0.00095	23.77	23.77	0.00	PERIOD	ALL
00008760							
402530.00000	3269820.00000	0.00090	25.70	27.74	0.00	PERIOD	ALL
00008760							
403030.00000	3275820.00000	0.00116	30.58	30.58	0.00	PERIOD	ALL
00008760							
403030.00000	3275320.00000	0.00131	26.82	26.82	0.00	PERIOD	ALL
00008760							
403030.00000	3274820.00000	0.00146	26.82	26.82	0.00	PERIOD	ALL
00008760							
403030.00000	3274320.00000	0.00153	26.82	26.82	0.00	PERIOD	ALL
00008760							
403030.00000	3273820.00000	0.00157	30.60	30.60	0.00	PERIOD	ALL
00008760							
403030.00000	3273320.00000	0.00143	31.57	31.57	0.00	PERIOD	ALL
00008760							
403030.00000	3272820.00000	0.00117	31.19	31.19	0.00	PERIOD	ALL
00008760							
403030.00000	3272320.00000	0.00098	25.30	25.30	0.00	PERIOD	ALL
00008760							
403030.00000	3271820.00000	0.00092	25.30	25.30	0.00	PERIOD	ALL
00008760							
403030.00000	3271320.00000	0.00091	25.60	25.60	0.00	PERIOD	ALL
00008760							
403030.00000	3270820.00000	0.00089	26.49	26.49	0.00	PERIOD	ALL
00008760							
403030.00000	3270320.00000	0.00087	26.05	26.05	0.00	PERIOD	ALL
00008760							
403030.00000	3269820.00000	0.00085	25.50	25.50	0.00	PERIOD	ALL
00008760							
403530.00000	3275820.00000	0.00105	32.00	32.00	0.00	PERIOD	ALL
00008760							
403530.00000	3275320.00000	0.00117	27.01	27.01	0.00	PERIOD	ALL
00008760							
403530.00000	3274820.00000	0.00129	28.00	28.00	0.00	PERIOD	ALL
00008760							
403530.00000	3274320.00000	0.00134	27.00	27.00	0.00	PERIOD	ALL
00008760							
403530.00000	3273820.00000	0.00138	29.00	29.00	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760							
403530.00000	3273320.00000	0.00125	24.33	24.33	0.00	PERIOD	ALL
00008760							
403530.00000	3272820.00000	0.00110	33.00	33.00	0.00	PERIOD	ALL
00008760							
403530.00000	3272320.00000	0.00090	26.00	26.00	0.00	PERIOD	ALL
00008760							
403530.00000	3271820.00000	0.00083	24.00	24.00	0.00	PERIOD	ALL
00008760							
403530.00000	3271320.00000	0.00081	23.00	30.00	0.00	PERIOD	ALL
00008760							
403530.00000	3270820.00000	0.00080	24.33	24.33	0.00	PERIOD	ALL
00008760							
403530.00000	3270320.00000	0.00079	29.00	29.00	0.00	PERIOD	ALL
00008760							
403530.00000	3269820.00000	0.00079	33.00	33.00	0.00	PERIOD	ALL
00008760							
401530.00000	3271320.00000	0.00133	25.30	25.30	0.00	PERIOD	ALL
00008760							
401530.00000	3270820.00000	0.00117	24.38	24.38	0.00	PERIOD	ALL
00008760							
401530.00000	3270320.00000	0.00104	24.38	24.38	0.00	PERIOD	ALL
00008760							
401530.00000	3269820.00000	0.00097	29.06	32.31	0.00	PERIOD	ALL
00008760							
401030.00000	3271320.00000	0.00145	28.75	28.75	0.00	PERIOD	ALL
00008760							
401030.00000	3270820.00000	0.00126	24.38	24.38	0.00	PERIOD	ALL
00008760							
401030.00000	3270320.00000	0.00113	24.38	24.38	0.00	PERIOD	ALL
00008760							
401030.00000	3269820.00000	0.00105	28.75	28.75	0.00	PERIOD	ALL
00008760							
400530.00000	3271320.00000	0.00170	32.92	32.92	0.00	PERIOD	ALL
00008760							
400530.00000	3270820.00000	0.00151	37.19	37.19	0.00	PERIOD	ALL
00008760							
400530.00000	3270320.00000	0.00132	35.46	35.46	0.00	PERIOD	ALL
00008760							
400530.00000	3269820.00000	0.00117	32.92	32.92	0.00	PERIOD	ALL
00008760							
400030.00000	3271320.00000	0.00202	33.83	33.83	0.00	PERIOD	ALL
00008760							
400030.00000	3270820.00000	0.00171	34.73	34.73	0.00	PERIOD	ALL
00008760							
400030.00000	3270320.00000	0.00144	31.75	31.75	0.00	PERIOD	ALL
00008760							
400030.00000	3269820.00000	0.00128	35.36	35.36	0.00	PERIOD	ALL
00008760							
399530.00000	3271320.00000	0.00238	35.15	35.15	0.00	PERIOD	ALL
00008760							
399530.00000	3270820.00000	0.00188	30.66	30.66	0.00	PERIOD	ALL
00008760							
399530.00000	3270320.00000	0.00154	27.50	27.50	0.00	PERIOD	ALL
00008760							
399530.00000	3269820.00000	0.00133	31.50	31.50	0.00	PERIOD	ALL
00008760							
399030.00000	3271320.00000	0.00247	26.82	26.82	0.00	PERIOD	ALL
00008760							
399030.00000	3270820.00000	0.00193	26.82	26.82	0.00	PERIOD	ALL
00008760							
399030.00000	3270320.00000	0.00157	26.82	26.82	0.00	PERIOD	ALL
00008760							

		HAFLBMAC.P05				
399030.00000	3269820.00000	0.00134	33.83	33.83	0.00	PERIOD ALL
00008760						
398530.00000	3271320.00000	0.00241	26.82	26.82	0.00	PERIOD ALL
00008760						
398530.00000	3270820.00000	0.00196	31.09	31.09	0.00	PERIOD ALL
00008760						
398530.00000	3270320.00000	0.00160	31.56	31.56	0.00	PERIOD ALL
00008760						
398530.00000	3269820.00000	0.00134	30.48	30.48	0.00	PERIOD ALL
00008760						
398030.00000	3271320.00000	0.00214	30.78	30.78	0.00	PERIOD ALL
00008760						
398030.00000	3270820.00000	0.00185	31.35	31.35	0.00	PERIOD ALL
00008760						
398030.00000	3270320.00000	0.00155	26.82	26.82	0.00	PERIOD ALL
00008760						
398030.00000	3269820.00000	0.00133	27.84	27.84	0.00	PERIOD ALL
00008760						
397530.00000	3271320.00000	0.00174	28.04	28.04	0.00	PERIOD ALL
00008760						
397530.00000	3270820.00000	0.00158	27.33	27.33	0.00	PERIOD ALL
00008760						
397530.00000	3270320.00000	0.00144	26.82	26.82	0.00	PERIOD ALL
00008760						
397530.00000	3269820.00000	0.00130	29.57	29.57	0.00	PERIOD ALL
00008760						
397030.00000	3271320.00000	0.00146	26.82	26.82	0.00	PERIOD ALL
00008760						
397030.00000	3270820.00000	0.00133	26.82	26.82	0.00	PERIOD ALL
00008760						
397030.00000	3270320.00000	0.00126	31.27	31.27	0.00	PERIOD ALL
00008760						
397030.00000	3269820.00000	0.00119	31.39	31.39	0.00	PERIOD ALL
00008760						
396530.00000	3271320.00000	0.00130	29.57	29.57	0.00	PERIOD ALL
00008760						
396530.00000	3270820.00000	0.00118	29.87	29.87	0.00	PERIOD ALL
00008760						
396530.00000	3270320.00000	0.00109	30.54	30.54	0.00	PERIOD ALL
00008760						
396530.00000	3269820.00000	0.00102	27.13	27.13	0.00	PERIOD ALL
00008760						
396030.00000	3271320.00000	0.00116	28.35	28.35	0.00	PERIOD ALL
00008760						
396030.00000	3270820.00000	0.00106	26.82	26.82	0.00	PERIOD ALL
00008760						
396030.00000	3270320.00000	0.00099	31.60	31.60	0.00	PERIOD ALL
00008760						
396030.00000	3269820.00000	0.00091	26.82	26.82	0.00	PERIOD ALL
00008760						
395530.00000	3271320.00000	0.00107	32.21	32.21	0.00	PERIOD ALL
00008760						
395530.00000	3270820.00000	0.00098	28.43	28.43	0.00	PERIOD ALL
00008760						
395530.00000	3270320.00000	0.00091	29.25	29.25	0.00	PERIOD ALL
00008760						
395530.00000	3269820.00000	0.00085	31.90	31.90	0.00	PERIOD ALL
00008760						
397030.00000	3271820.00000	0.00162	26.82	26.82	0.00	PERIOD ALL
00008760						
397030.00000	3272320.00000	0.00174	26.82	26.82	0.00	PERIOD ALL
00008760						
397030.00000	3272820.00000	0.00181	36.47	36.47	0.00	PERIOD ALL

HAFLBMAC.P05

00008760							
397030.00000	3273320.00000	0.00185	37.55	37.55	0.00	PERIOD	ALL
00008760							
397030.00000	3273820.00000	0.00175	40.23	40.23	0.00	PERIOD	ALL
00008760							
397030.00000	3274320.00000	0.00144	41.35	41.35	0.00	PERIOD	ALL
00008760							
397030.00000	3274820.00000	0.00122	38.60	38.60	0.00	PERIOD	ALL
00008760							
397030.00000	3275320.00000	0.00117	29.87	29.87	0.00	PERIOD	ALL
00008760							
397030.00000	3275820.00000	0.00111	29.87	29.87	0.00	PERIOD	ALL
00008760							
397030.00000	3276320.00000	0.00096	29.87	29.87	0.00	PERIOD	ALL
00008760							
397030.00000	3276820.00000	0.00081	29.87	29.87	0.00	PERIOD	ALL
00008760							
397030.00000	3277320.00000	0.00068	29.87	29.87	0.00	PERIOD	ALL
00008760							
397030.00000	3277820.00000	0.00061	40.41	40.41	0.00	PERIOD	ALL
00008760							
396530.00000	3271820.00000	0.00141	29.77	29.77	0.00	PERIOD	ALL
00008760							
396530.00000	3272320.00000	0.00143	26.82	26.82	0.00	PERIOD	ALL
00008760							
396530.00000	3272820.00000	0.00143	29.87	29.87	0.00	PERIOD	ALL
00008760							
396530.00000	3273320.00000	0.00147	33.29	33.29	0.00	PERIOD	ALL
00008760							
396530.00000	3273820.00000	0.00142	36.44	36.44	0.00	PERIOD	ALL
00008760							
396530.00000	3274320.00000	0.00119	29.87	29.87	0.00	PERIOD	ALL
00008760							
396530.00000	3274820.00000	0.00100	29.87	29.87	0.00	PERIOD	ALL
00008760							
396530.00000	3275320.00000	0.00101	39.57	39.57	0.00	PERIOD	ALL
00008760							
396530.00000	3275820.00000	0.00098	35.86	35.86	0.00	PERIOD	ALL
00008760							
396530.00000	3276320.00000	0.00089	31.46	31.46	0.00	PERIOD	ALL
00008760							
396530.00000	3276820.00000	0.00078	29.87	29.87	0.00	PERIOD	ALL
00008760							
396530.00000	3277320.00000	0.00071	40.94	40.94	0.00	PERIOD	ALL
00008760							
396530.00000	3277820.00000	0.00061	42.67	42.67	0.00	PERIOD	ALL
00008760							
396030.00000	3271820.00000	0.00123	30.99	30.99	0.00	PERIOD	ALL
00008760							
396030.00000	3272320.00000	0.00122	32.31	32.31	0.00	PERIOD	ALL
00008760							
396030.00000	3272820.00000	0.00125	35.97	35.97	0.00	PERIOD	ALL
00008760							
396030.00000	3273320.00000	0.00126	43.69	43.69	0.00	PERIOD	ALL
00008760							
396030.00000	3273820.00000	0.00121	44.20	44.20	0.00	PERIOD	ALL
00008760							
396030.00000	3274320.00000	0.00109	44.20	44.20	0.00	PERIOD	ALL
00008760							
396030.00000	3274820.00000	0.00091	44.20	44.20	0.00	PERIOD	ALL
00008760							
396030.00000	3275320.00000	0.00085	38.51	38.51	0.00	PERIOD	ALL
00008760							

		HAFLBMAC.P05					
396030.00000	3275820.00000	0.00083	29.87	29.87	0.00	PERIOD	ALL
00008760							
396030.00000	3276320.00000	0.00079	29.87	29.87	0.00	PERIOD	ALL
00008760							
396030.00000	3276820.00000	0.00074	29.87	29.87	0.00	PERIOD	ALL
00008760							
396030.00000	3277320.00000	0.00067	31.39	31.39	0.00	PERIOD	ALL
00008760							
396030.00000	3277820.00000	0.00062	40.03	40.03	0.00	PERIOD	ALL
00008760							
395530.00000	3271820.00000	0.00109	35.18	35.18	0.00	PERIOD	ALL
00008760							
395530.00000	3272320.00000	0.00107	36.15	36.15	0.00	PERIOD	ALL
00008760							
395530.00000	3272820.00000	0.00111	37.69	37.69	0.00	PERIOD	ALL
00008760							
395530.00000	3273320.00000	0.00110	42.42	42.42	0.00	PERIOD	ALL
00008760							
395530.00000	3273820.00000	0.00106	44.52	44.52	0.00	PERIOD	ALL
00008760							
395530.00000	3274320.00000	0.00097	46.74	46.74	0.00	PERIOD	ALL
00008760							
395530.00000	3274820.00000	0.00083	46.88	46.88	0.00	PERIOD	ALL
00008760							
395530.00000	3275320.00000	0.00076	39.75	39.75	0.00	PERIOD	ALL
00008760							
395530.00000	3275820.00000	0.00073	30.18	30.18	0.00	PERIOD	ALL
00008760							
395530.00000	3276320.00000	0.00072	29.87	29.87	0.00	PERIOD	ALL
00008760							
395530.00000	3276820.00000	0.00068	29.87	29.87	0.00	PERIOD	ALL
00008760							
395530.00000	3277320.00000	0.00064	32.00	32.00	0.00	PERIOD	ALL
00008760							
395530.00000	3277820.00000	0.00058	33.29	33.29	0.00	PERIOD	ALL
00008760							
399199.40625	3273888.75000	0.01845	41.94	41.94	0.00	PERIOD	ALL
00008760							
399235.34375	3273972.50000	0.01773	38.43	38.43	0.00	PERIOD	ALL
00008760							
399237.87500	3274073.25000	0.01536	34.04	34.04	0.00	PERIOD	ALL
00008760							
399450.65625	3274213.75000	0.01709	35.66	35.66	0.00	PERIOD	ALL
00008760							
399549.46875	3274263.25000	0.01509	35.53	35.53	0.00	PERIOD	ALL
00008760							
399672.43750	3274333.50000	0.01314	37.20	37.20	0.00	PERIOD	ALL
00008760							
399823.96875	3274378.75000	0.01160	36.98	36.98	0.00	PERIOD	ALL
00008760							
399721.15625	3273824.75000	0.02199	34.59	34.59	0.00	PERIOD	ALL
00008760							
399707.93750	3273566.50000	0.01829	34.18	34.18	0.00	PERIOD	ALL
00008760							
399611.34375	3273252.75000	0.01403	32.66	32.66	0.00	PERIOD	ALL
00008760							
399202.68750	3273265.50000	0.01735	33.61	33.61	0.00	PERIOD	ALL
00008760							
399217.37500	3273930.75000	0.01878	40.09	40.09	0.00	PERIOD	ALL
00008760							
399236.18750	3274006.25000	0.01668	36.63	36.63	0.00	PERIOD	ALL
00008760							
399237.03125	3274039.75000	0.01589	34.98	34.98	0.00	PERIOD	ALL

HAFLBMAC.P05

00008760							
399273.34375	3274096.75000	0.01613	34.43	34.43	0.00	PERIOD	ALL
00008760							
399308.81250	3274120.00000	0.01615	34.59	34.59	0.00	PERIOD	ALL
00008760							
399344.28125	3274143.50000	0.01600	35.39	35.39	0.00	PERIOD	ALL
00008760							
399379.71875	3274167.00000	0.01875	36.48	36.48	0.00	PERIOD	ALL
00008760							
399415.18750	3274190.25000	0.01801	36.48	36.48	0.00	PERIOD	ALL
00008760							
399483.62500	3274230.25000	0.01586	34.85	34.85	0.00	PERIOD	ALL
00008760							
399516.53125	3274246.75000	0.01568	35.39	35.39	0.00	PERIOD	ALL
00008760							
399590.46875	3274286.75000	0.01426	36.40	36.40	0.00	PERIOD	ALL
00008760							
399631.43750	3274310.00000	0.01355	37.43	37.43	0.00	PERIOD	ALL
00008760							
399710.34375	3274344.75000	0.01256	37.08	37.08	0.00	PERIOD	ALL
00008760							
399748.21875	3274356.25000	0.01190	36.64	36.64	0.00	PERIOD	ALL
00008760							
399786.09375	3274367.50000	0.01167	36.82	36.82	0.00	PERIOD	ALL
00008760							
399815.40625	3274332.75000	0.01308	37.41	37.41	0.00	PERIOD	ALL
00008760							
399806.84375	3274286.50000	0.01470	38.03	38.03	0.00	PERIOD	ALL
00008760							
399798.28125	3274240.25000	0.01599	38.07	38.07	0.00	PERIOD	ALL
00008760							
399789.71875	3274194.25000	0.01779	38.44	38.44	0.00	PERIOD	ALL
00008760							
399781.12500	3274148.00000	0.02052	38.67	38.67	0.00	PERIOD	ALL
00008760							
399772.56250	3274101.75000	0.02432	38.36	38.36	0.00	PERIOD	ALL
00008760							
399764.00000	3274055.75000	0.02932	38.24	38.24	0.00	PERIOD	ALL
00008760							
399755.43750	3274009.50000	0.03420	37.37	37.37	0.00	PERIOD	ALL
00008760							
399746.87500	3273963.25000	0.03725	36.43	36.43	0.00	PERIOD	ALL
00008760							
399738.31250	3273917.25000	0.03849	35.96	35.96	0.00	PERIOD	ALL
00008760							
399729.75000	3273871.00000	0.03368	35.56	35.56	0.00	PERIOD	ALL
00008760							
399718.96875	3273781.75000	0.01744	33.34	33.34	0.00	PERIOD	ALL
00008760							
399716.75000	3273738.75000	0.01723	31.65	31.65	0.00	PERIOD	ALL
00008760							
399714.56250	3273695.75000	0.01806	31.78	31.78	0.00	PERIOD	ALL
00008760							
399712.37500	3273652.75000	0.01900	33.89	33.89	0.00	PERIOD	ALL
00008760							
399710.15625	3273609.50000	0.01920	35.33	35.33	0.00	PERIOD	ALL
00008760							
399694.15625	3273521.75000	0.01749	33.95	33.95	0.00	PERIOD	ALL
00008760							
399680.34375	3273477.00000	0.01792	33.62	33.62	0.00	PERIOD	ALL
00008760							
399666.56250	3273432.00000	0.01710	33.47	33.47	0.00	PERIOD	ALL
00008760							

		HAFLBMAC.P05					
399652.75000	3273387.25000	0.01643	32.83	32.83	0.00	PERIOD	ALL
00008760							
399638.93750	3273342.50000	0.01604	32.51	32.51	0.00	PERIOD	ALL
00008760							
399625.15625	3273297.75000	0.01484	32.52	32.52	0.00	PERIOD	ALL
00008760							
399565.93750	3273254.25000	0.01623	34.19	34.19	0.00	PERIOD	ALL
00008760							
399520.53125	3273255.75000	0.01766	34.95	34.95	0.00	PERIOD	ALL
00008760							
399475.12500	3273257.00000	0.01933	36.02	36.02	0.00	PERIOD	ALL
00008760							
399429.71875	3273258.50000	0.02021	36.71	36.71	0.00	PERIOD	ALL
00008760							
399384.31250	3273260.00000	0.02087	37.20	37.20	0.00	PERIOD	ALL
00008760							
399338.90625	3273261.25000	0.02066	37.09	37.09	0.00	PERIOD	ALL
00008760							
399293.50000	3273262.75000	0.01996	36.17	36.17	0.00	PERIOD	ALL
00008760							
399248.12500	3273264.25000	0.01903	34.92	34.92	0.00	PERIOD	ALL
00008760							
399202.43750	3273313.50000	0.01864	36.55	36.55	0.00	PERIOD	ALL
00008760							
399202.18750	3273361.50000	0.02117	39.47	39.47	0.00	PERIOD	ALL
00008760							
399201.93750	3273409.50000	0.02317	41.75	41.75	0.00	PERIOD	ALL
00008760							
399201.68750	3273457.25000	0.02467	44.13	44.13	0.00	PERIOD	ALL
00008760							
399201.43750	3273505.25000	0.02712	44.41	44.41	0.00	PERIOD	ALL
00008760							
399201.18750	3273553.25000	0.02948	43.65	43.65	0.00	PERIOD	ALL
00008760							
399200.93750	3273601.00000	0.02905	43.97	43.97	0.00	PERIOD	ALL
00008760							
399200.68750	3273649.00000	0.02755	43.60	43.60	0.00	PERIOD	ALL
00008760							
399200.43750	3273697.00000	0.02711	41.99	41.99	0.00	PERIOD	ALL
00008760							
399200.18750	3273745.00000	0.02535	40.93	40.93	0.00	PERIOD	ALL
00008760							
399199.90625	3273792.75000	0.02203	41.06	41.06	0.00	PERIOD	ALL
00008760							
399199.65625	3273840.75000	0.01945	42.44	42.44	0.00	PERIOD	ALL
00008760							