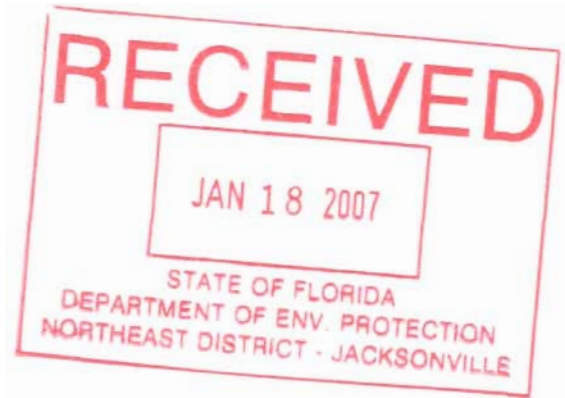


January 17, 2007

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.

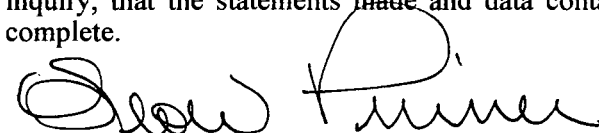
Response: 80' was the original design height of the stack and that value was used through the years in reports. The plant Environmental Coordinator, Sam Barket, measured the stack height and determined it was actually 82'.

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

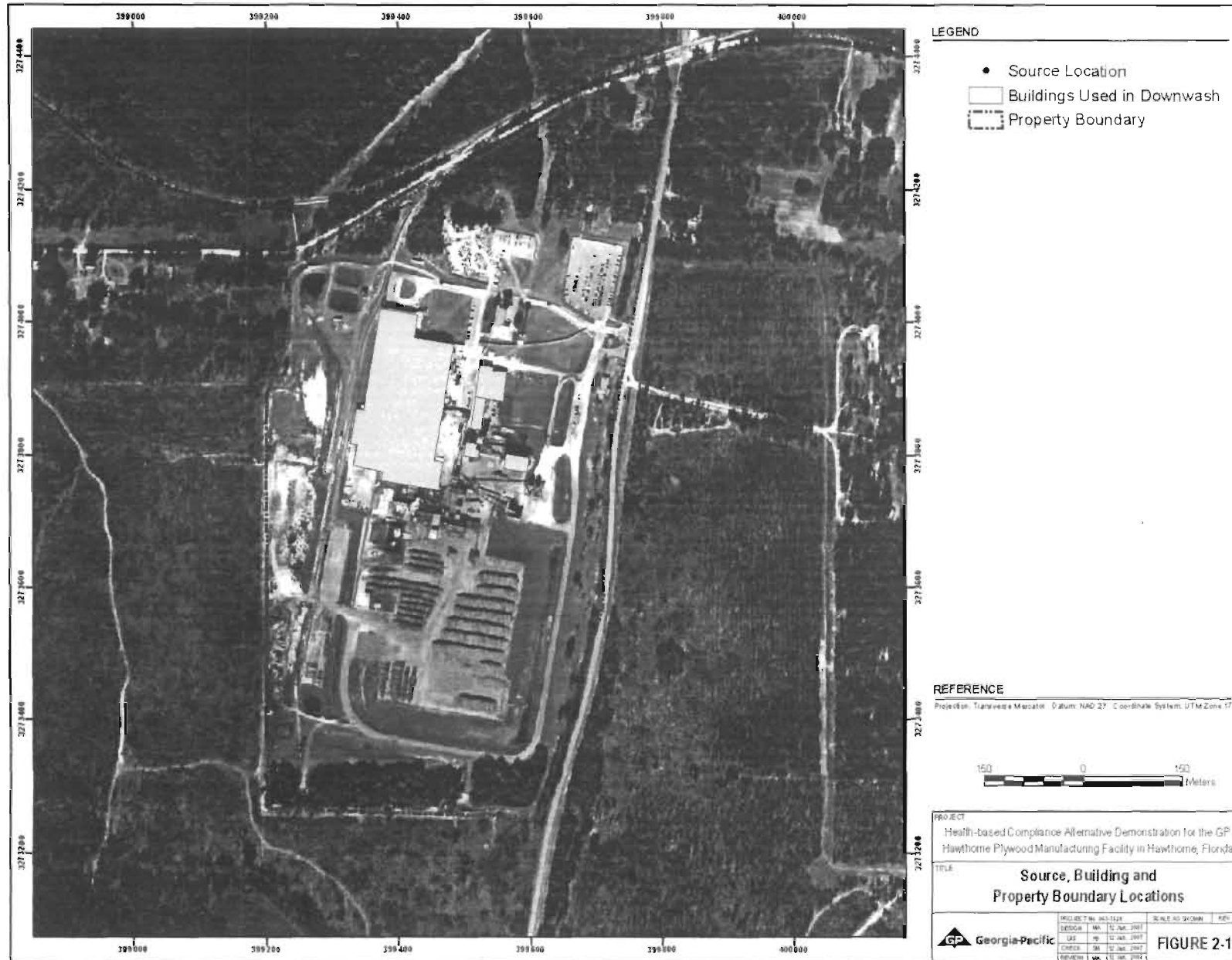
2.2 Boiler or Process Heater Characterization

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 (BPIPPRM) Version 04274 was used to develop wind direction-specific building dimensions for input to AERMOD. The output of the BPIPPRM 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

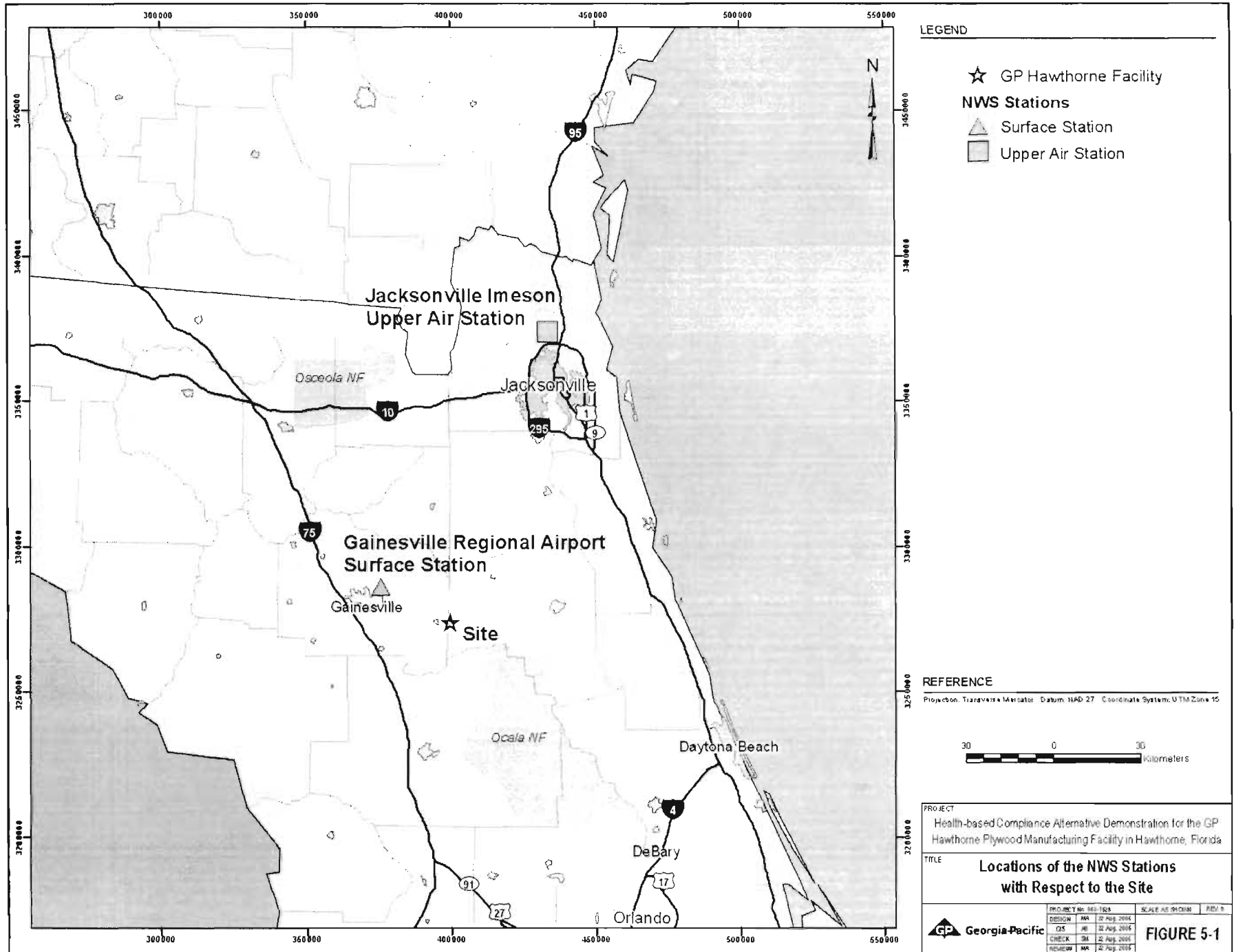
Site-specific dispersion models require a sequential hourly record of dispersion meteorology representative of the region within which the modeled sources are located. In the absence of site-specific measurements, the U.S. EPA Guidelines recommend the use of readily available data from the closest and 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.

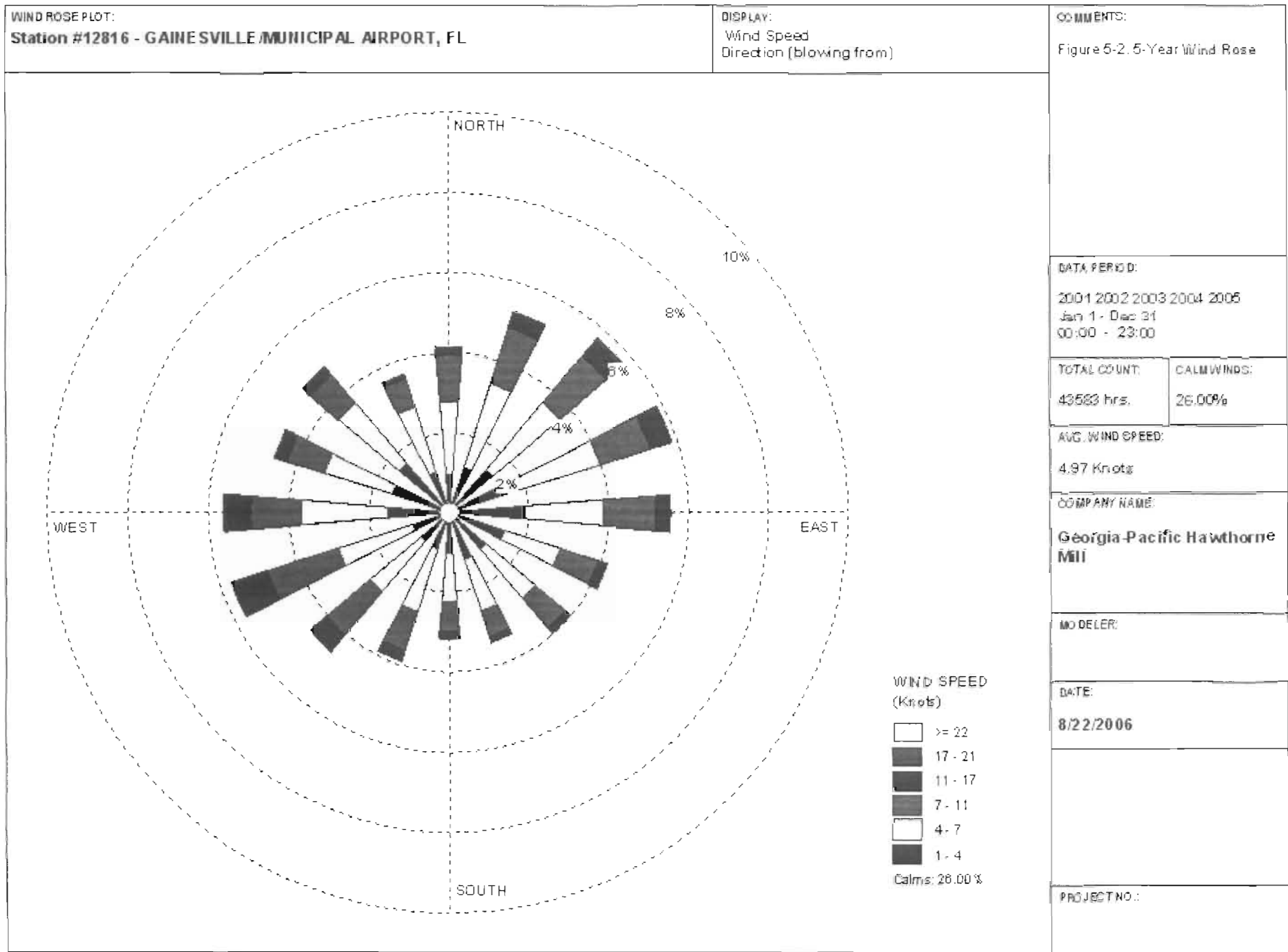
The NWS data were processed into a format that can be input to the AERMOD model using the meteorological preprocessor program AERMET. The data were processed using the Lakes Environmental graphical interface using the latest version of AERMET (04300). The hourly surface data from 2001 through 2005 were 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



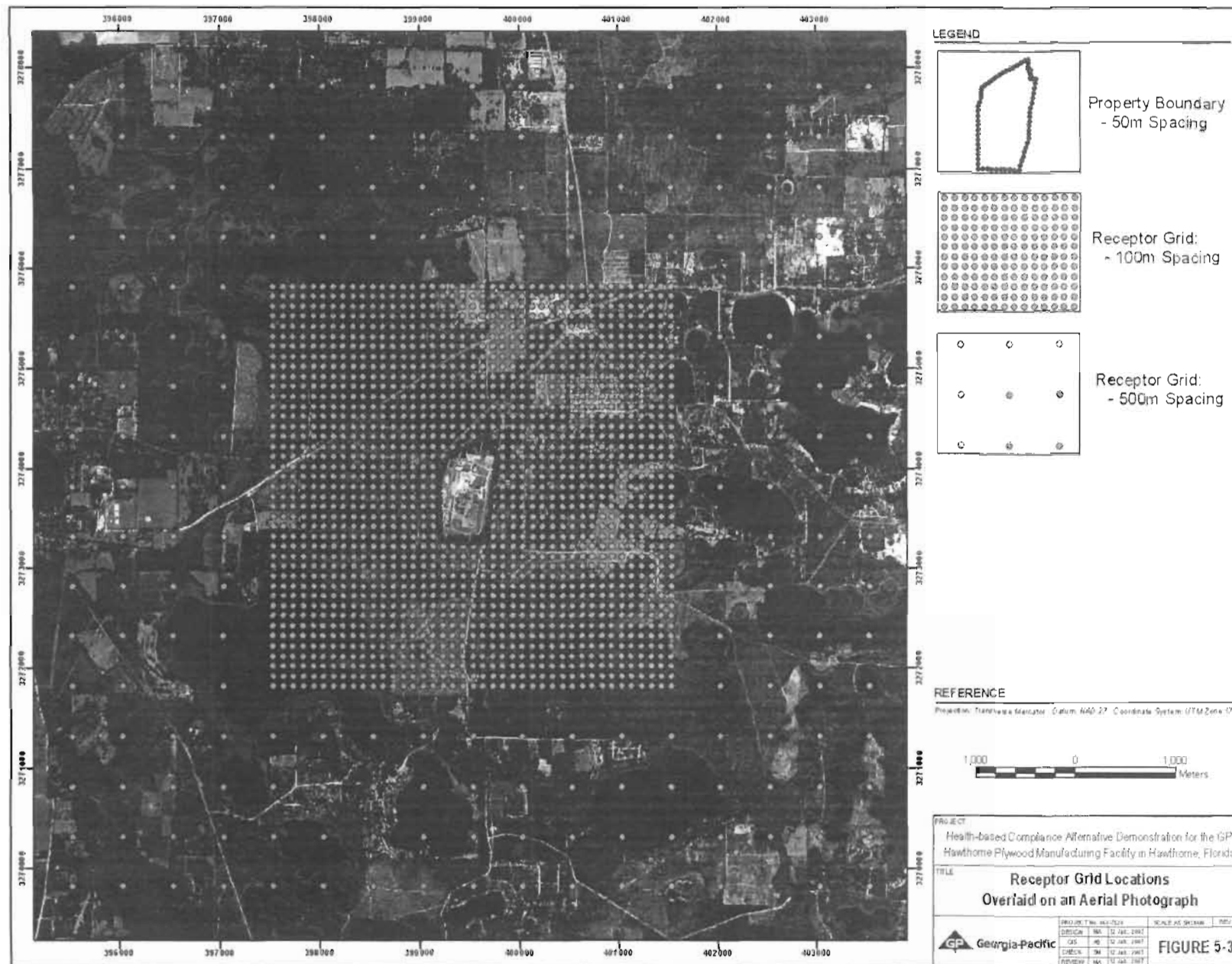


5.5 Model Receptor Grid

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.



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

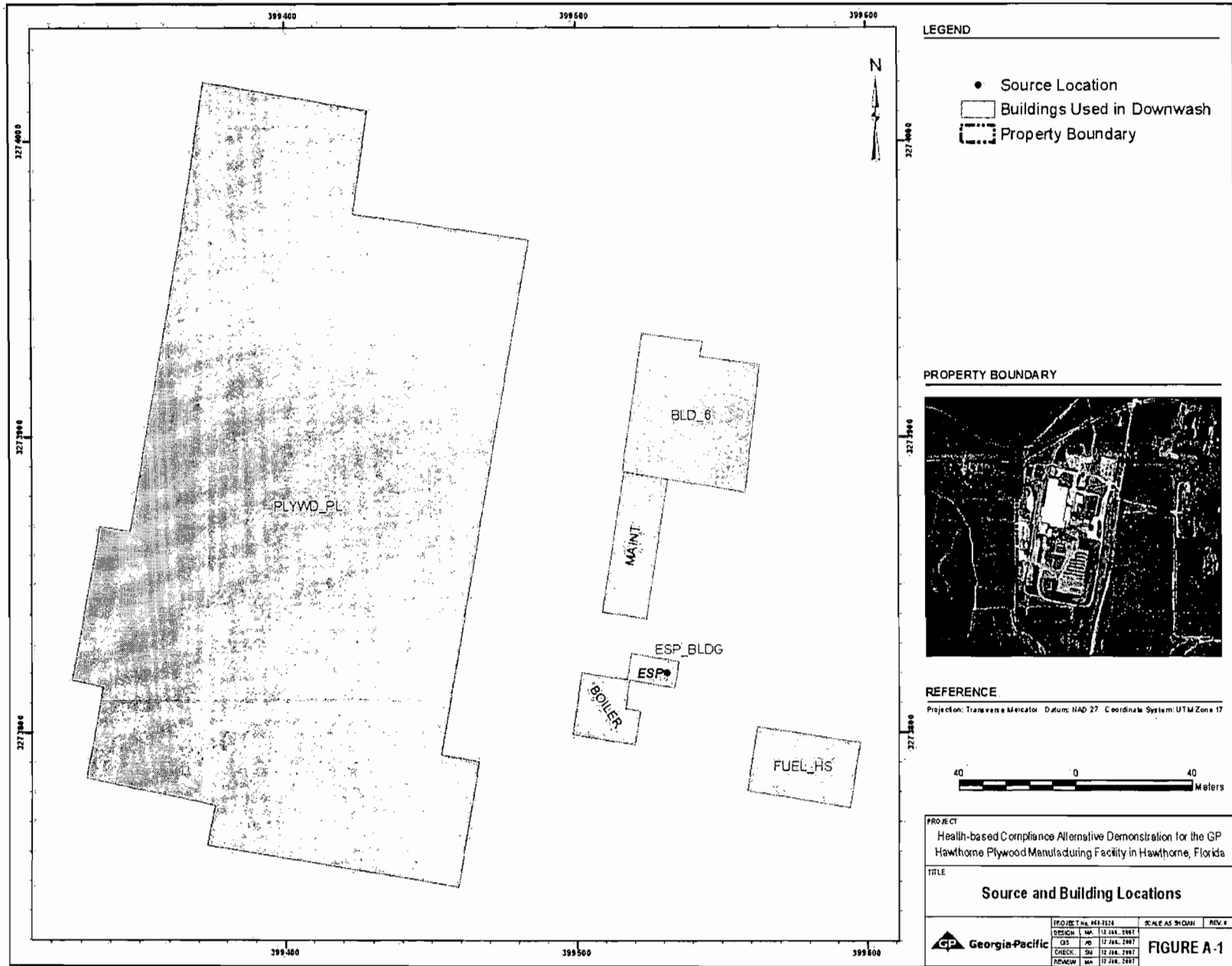


Table A-1 BPIPPRM Summary

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

=====

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.

=====

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 COORDINATES
 STACK 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 BUILDING TIER
 NAME NO. NAME NO. 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

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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

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

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

*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

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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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

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
BldNo: 2 Bld 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
BldNo: 2 Bld 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: -70.86 YADJ: -25.03

*adjusted for a Stack-Building elevation difference of 1.75
BldNo: 2 Bld 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
BldNo: 1 Bld 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
BldNo: 1 Bld 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
BldNo: 1 Bld 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: 32.69 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

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Drctn: 20.00

*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: 32.10 PBL: 35.75 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -30.73 YADJ: 11.73

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: 30.00

*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: 39.78 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -34.38 YADJ: 10.38

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: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -25.65 YADJ: -14.49

Drctn: 40.00

*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: -36.99 YADJ: 7.77

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: 50.00

*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: -38.47 YADJ: 3.80

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: 60.00

*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: 30.46 PBL: 44.33 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -38.79 YADJ: -0.28

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: 70.00

*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: 29.40 PBL: 43.17 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -37.93 YADJ: -4.33

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: -16.34

Drctn: 80.00

*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: 30.53 PBL: 40.70 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -35.91 YADJ: -6.69

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: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -8.57 YADJ: -15.56

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: 180.00

*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: 36.99 PBL: 30.74 *WE Ht: 46.18
 Relative Coordinates of Projected Width Mid-point: XADJ: -6.51 YADJ: -14.31

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

StkNo: 1 Stk Name:ESP Stack Ht: 24.99

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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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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

Drctn: 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 BPIPRM 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 26.82 26.82
 DISCCART 397530.00 3273120.00 26.82 26.82
 DISCCART 397530.00 3273220.00 27.07 27.07
 DISCCART 397530.00 3273320.00 29.57 29.57
 DISCCART 397530.00 3273420.00 30.58 30.58
 DISCCART 397530.00 3273520.00 31.09 31.09
 DISCCART 397530.00 3273620.00 30.19 30.19
 DISCCART 397530.00 3273720.00 29.67 29.67
 DISCCART 397530.00 3273820.00 33.06 33.06
 DISCCART 397530.00 3273920.00 35.11 35.11
 DISCCART 397530.00 3274020.00 35.36 35.36
 DISCCART 397530.00 3274120.00 35.33 35.33

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

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DISCCART	397730.00	3274220.00	35.41	35.41	DISCCART	397930.00	3275520.00	29.87	29.87
DISCCART	397730.00	3274320.00	36.68	36.68	DISCCART	397930.00	3275620.00	29.87	29.87
DISCCART	397730.00	3274420.00	37.73	37.73	DISCCART	397930.00	3275720.00	29.87	29.87
DISCCART	397730.00	3274520.00	37.60	37.60	DISCCART	397930.00	3275820.00	29.87	29.87
DISCCART	397730.00	3274620.00	39.73	39.73	DISCCART	398030.00	3271820.00	26.82	26.82
DISCCART	397730.00	3274720.00	41.19	41.19	DISCCART	398030.00	3271920.00	26.82	26.82
DISCCART	397730.00	3274820.00	40.79	40.79	DISCCART	398030.00	3272020.00	26.82	26.82
DISCCART	397730.00	3274920.00	37.39	37.39	DISCCART	398030.00	3272120.00	26.82	26.82
DISCCART	397730.00	3275020.00	34.19	34.19	DISCCART	398030.00	3272220.00	26.82	26.82
DISCCART	397730.00	3275120.00	32.31	32.31	DISCCART	398030.00	3272320.00	26.82	26.82
DISCCART	397730.00	3275220.00	29.87	29.87	DISCCART	398030.00	3272420.00	26.75	26.75
DISCCART	397730.00	3275320.00	30.78	30.78	DISCCART	398030.00	3272520.00	26.82	26.82
DISCCART	397730.00	3275420.00	29.87	29.87	DISCCART	398030.00	3272620.00	26.82	26.82
DISCCART	397730.00	3275520.00	29.87	29.87	DISCCART	398030.00	3272720.00	26.82	26.82
DISCCART	397730.00	3275620.00	29.87	29.87	DISCCART	398030.00	3272820.00	26.82	26.82
DISCCART	397730.00	3275720.00	29.80	29.80	DISCCART	398030.00	3272920.00	26.82	26.82
DISCCART	397730.00	3275820.00	29.87	29.87	DISCCART	398030.00	3273020.00	26.82	26.82
DISCCART	397830.00	3271820.00	26.82	26.82	DISCCART	398030.00	3273120.00	27.64	27.64
DISCCART	397830.00	3271920.00	26.52	26.52	DISCCART	398030.00	3273220.00	27.03	27.03
DISCCART	397830.00	3272020.00	26.72	26.72	DISCCART	398030.00	3273320.00	26.82	26.82
DISCCART	397830.00	3272120.00	26.72	26.72	DISCCART	398030.00	3273420.00	27.23	27.23
DISCCART	397830.00	3272220.00	26.82	26.82	DISCCART	398030.00	3273520.00	27.88	27.88
DISCCART	397830.00	3272320.00	26.82	26.82	DISCCART	398030.00	3273620.00	27.03	27.03
DISCCART	397830.00	3272420.00	26.82	26.82	DISCCART	398030.00	3273720.00	26.82	26.82
DISCCART	397830.00	3272520.00	26.82	26.82	DISCCART	398030.00	3273820.00	26.82	26.82
DISCCART	397830.00	3272620.00	26.82	26.82	DISCCART	398030.00	3273920.00	27.27	27.27
DISCCART	397830.00	3272720.00	26.82	26.82	DISCCART	398030.00	3274020.00	27.94	27.94
DISCCART	397830.00	3272820.00	26.82	26.82	DISCCART	398030.00	3274120.00	31.89	31.89
DISCCART	397830.00	3272920.00	26.82	26.82	DISCCART	398030.00	3274220.00	35.08	35.08
DISCCART	397830.00	3273020.00	26.82	26.82	DISCCART	398030.00	3274320.00	37.69	37.69
DISCCART	397830.00	3273120.00	26.82	26.82	DISCCART	398030.00	3274420.00	39.64	39.64
DISCCART	397830.00	3273220.00	26.82	26.82	DISCCART	398030.00	3274520.00	41.02	41.02
DISCCART	397830.00	3273320.00	29.16	29.16	DISCCART	398030.00	3274620.00	41.86	41.86
DISCCART	397830.00	3273420.00	29.87	29.87	DISCCART	398030.00	3274720.00	40.66	40.66
DISCCART	397830.00	3273520.00	30.78	30.78	DISCCART	398030.00	3274820.00	37.92	37.92
DISCCART	397830.00	3273620.00	30.68	30.68	DISCCART	398030.00	3274920.00	33.73	33.73
DISCCART	397830.00	3273720.00	28.65	28.65	DISCCART	398030.00	3275020.00	30.66	30.66
DISCCART	397830.00	3273820.00	31.39	31.39	DISCCART	398030.00	3275120.00	29.87	29.87
DISCCART	397830.00	3273920.00	34.04	34.04	DISCCART	398030.00	3275220.00	29.87	29.87
DISCCART	397830.00	3274020.00	34.44	34.44	DISCCART	398030.00	3275320.00	29.87	29.87
DISCCART	397830.00	3274120.00	35.56	35.56	DISCCART	398030.00	3275420.00	29.87	29.87
DISCCART	397830.00	3274220.00	36.17	36.17	DISCCART	398030.00	3275520.00	29.87	29.87
DISCCART	397830.00	3274320.00	38.40	38.40	DISCCART	398030.00	3275620.00	29.87	29.87
DISCCART	397830.00	3274420.00	40.03	40.03	DISCCART	398030.00	3275720.00	29.87	29.87
DISCCART	397830.00	3274520.00	40.84	40.84	DISCCART	398030.00	3275820.00	29.87	29.87
DISCCART	397830.00	3274620.00	41.76	41.76	DISCCART	398130.00	3271820.00	26.82	26.82
DISCCART	397830.00	3274720.00	41.96	41.96	DISCCART	398130.00	3271920.00	26.82	26.82
DISCCART	397830.00	3274820.00	39.01	39.01	DISCCART	398130.00	3272020.00	26.82	26.82
DISCCART	397830.00	3274920.00	35.36	35.36	DISCCART	398130.00	3272120.00	26.82	26.82
DISCCART	397830.00	3275020.00	35.56	35.56	DISCCART	398130.00	3272220.00	26.82	26.82
DISCCART	397830.00	3275120.00	32.31	32.31	DISCCART	398130.00	3272320.00	26.62	26.62
DISCCART	397830.00	3275220.00	30.18	30.18	DISCCART	398130.00	3272420.00	26.82	26.82
DISCCART	397830.00	3275320.00	29.87	29.87	DISCCART	398130.00	3272520.00	26.82	26.82
DISCCART	397830.00	3275420.00	29.87	29.87	DISCCART	398130.00	3272620.00	26.82	26.82
DISCCART	397830.00	3275520.00	29.87	29.87	DISCCART	398130.00	3272720.00	26.82	26.82
DISCCART	397830.00	3275620.00	29.87	29.87	DISCCART	398130.00	3272820.00	26.82	26.82
DISCCART	397830.00	3275720.00	29.87	29.87	DISCCART	398130.00	3272920.00	26.82	26.82
DISCCART	397830.00	3275820.00	26.82	26.82	DISCCART	398130.00	3273020.00	26.82	26.82
DISCCART	397930.00	3271820.00	26.82	26.82	DISCCART	398130.00	3273120.00	28.65	28.65
DISCCART	397930.00	3271920.00	26.72	26.72	DISCCART	398130.00	3273220.00	27.53	27.53
DISCCART	397930.00	3272020.00	26.64	26.64	DISCCART	398130.00	3273320.00	26.82	26.82
DISCCART	397930.00	3272120.00	26.82	26.82	DISCCART	398130.00	3273420.00	26.82	26.82
DISCCART	397930.00	3272220.00	26.72	26.72	DISCCART	398130.00	3273520.00	26.82	26.82
DISCCART	397930.00	3272320.00	26.66	26.66	DISCCART	398130.00	3273620.00	26.82	26.82
DISCCART	397930.00	3272420.00	26.82	26.82	DISCCART	398130.00	3273720.00	26.82	26.82
DISCCART	397930.00	3272520.00	26.82	26.82	DISCCART	398130.00	3273820.00	26.82	26.82
DISCCART	397930.00	3272620.00	26.77	26.77	DISCCART	398130.00	3273920.00	26.82	26.82
DISCCART	397930.00	3272720.00	26.77	26.77	DISCCART	398130.00	3274020.00	26.82	26.82
DISCCART	397930.00	3272820.00	26.82	26.82	DISCCART	398130.00	3274120.00	28.75	28.75
DISCCART	397930.00	3272920.00	26.82	26.82	DISCCART	398130.00	3274220.00	32.31	32.31
DISCCART	397930.00	3273020.00	26.82	26.82	DISCCART	398130.00	3274320.00	35.36	35.36
DISCCART	397930.00	3273120.00	26.82	26.82	DISCCART	398130.00	3274420.00	36.07	36.07
DISCCART	397930.00	3273220.00	26.96	26.96	DISCCART	398130.00	3274520.00	38.20	38.20
DISCCART	397930.00	3273320.00	27.14	27.14	DISCCART	398130.00	3274620.00	38.40	38.40
DISCCART	397930.00	3273420.00	30.58	30.58	DISCCART	398130.00	3274720.00	36.68	36.68
DISCCART	397930.00	3273520.00	30.24	30.24	DISCCART	398130.00	3274820.00	34.44	34.44
DISCCART	397930.00	3273620.00	29.87	29.87	DISCCART	398130.00	3274920.00	31.09	31.09
DISCCART	397930.00	3273720.00	27.43	27.43	DISCCART	398130.00	3275020.00	29.87	29.87
DISCCART	397930.00	3273820.00	28.65	28.65	DISCCART	398130.00	3275120.00	29.87	29.87
DISCCART	397930.00	3273920.00	30.29	30.29	DISCCART	398130.00	3275220.00	29.87	29.87
DISCCART	397930.00	3274020.00	30.78	30.78	DISCCART	398130.00	3275320.00	29.87	29.87
DISCCART	397930.00	3274120.00	33.97	33.97	DISCCART	398130.00	3275420.00	29.87	29.87
DISCCART	397930.00	3274220.00	36.59	36.59	DISCCART	398130.00	3275520.00	29.87	29.87
DISCCART	397930.00	3274320.00	38.71	38.71	DISCCART	398130.00	3275620.00	29.87	29.87
DISCCART	397930.00	3274420.00	40.91	40.91	DISCCART	398130.00	3275720.00	29.87	29.87
DISCCART	397930.00	3274520.00	42.96	42.96	DISCCART	398130.00	3275820.00	29.87	29.87
DISCCART	397930.00	3274620.00	43.08	43.08	DISCCART	398230.00	3271820.00	26.82	26.82
DISCCART	397930.00	3274720.00	42.12	42.12	DISCCART	398230.00	3271920.00	26.82	26.82
DISCCART	397930.00	3274820.00	39.28	39.28	DISCCART	398230.00	3272020.00	26.75	26.75
DISCCART	397930.00	3274920.00	33.83	33.83	DISCCART	398230.00	3272120.00	26.82	26.82
DISCCART	397930.00	3275020.00	32.54	32.54	DISCCART	398230.00	3272220.00	26.82	26.82
DISCCART	397930.00	3275120.00	31.57	31.57	DISCCART	398230.00	3272320.00	26.75	26.75
DISCCART	397930.00	3275220.00	29.87	29.87	DISCCART	398230.00	3272420.00	26.75	26.75
DISCCART	397930.00	3275320.00	29.87	29.87	DISCCART	398230.00	3272520.00	26.72	26.72
DISCCART	397930.00	3275420.00	29.87	29.87	DISCCART	398230.00	3272620.00	26.77	26.77

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

DISCCART	398630.00	3275220.00	29.87	29.87	DISCCART	398930.00	3272420.00	33.21	33.21
DISCCART	398630.00	3275320.00	29.87	29.87	DISCCART	398930.00	3272520.00	34.44	34.44
DISCCART	398630.00	3275420.00	29.87	29.87	DISCCART	398930.00	3272620.00	30.55	32.00
DISCCART	398630.00	3275520.00	29.87	29.87	DISCCART	398930.00	3272720.00	27.00	27.00
DISCCART	398630.00	3275620.00	29.76	29.76	DISCCART	398930.00	3272820.00	30.48	30.48
DISCCART	398630.00	3275720.00	29.87	29.87	DISCCART	398930.00	3272920.00	34.10	34.10
DISCCART	398630.00	3275820.00	29.87	29.87	DISCCART	398930.00	3273020.00	30.58	30.58
DISCCART	398730.00	3271820.00	31.60	31.60	DISCCART	398930.00	3273120.00	28.35	28.35
DISCCART	398730.00	3271920.00	29.57	29.57	DISCCART	398930.00	3273220.00	28.85	28.85
DISCCART	398730.00	3272020.00	27.84	27.84	DISCCART	398930.00	3273320.00	32.47	32.47
DISCCART	398730.00	3272120.00	29.36	29.36	DISCCART	398930.00	3273420.00	35.66	35.66
DISCCART	398730.00	3272220.00	29.57	29.57	DISCCART	398930.00	3273520.00	36.01	36.01
DISCCART	398730.00	3272320.00	27.74	27.74					
DISCCART	398730.00	3272420.00	26.82	26.82	DISCCART	398930.00	3273620.00	33.89	33.89
DISCCART	398730.00	3272520.00	26.82	26.82	DISCCART	398930.00	3273720.00	31.80	31.80
DISCCART	398730.00	3272620.00	26.82	26.82	DISCCART	398930.00	3273820.00	30.52	30.52
DISCCART	398730.00	3272720.00	26.82	26.82	DISCCART	398930.00	3273920.00	32.90	32.90
DISCCART	398730.00	3272820.00	26.82	26.82	DISCCART	398930.00	3274020.00	37.59	37.59
DISCCART	398730.00	3272920.00	29.06	29.06	DISCCART	398930.00	3274120.00	37.82	37.82
DISCCART	398730.00	3273020.00	31.90	31.90	DISCCART	398930.00	3274220.00	33.35	33.35
DISCCART	398730.00	3273120.00	29.26	29.26	DISCCART	398930.00	3274320.00	29.97	29.97
DISCCART	398730.00	3273220.00	26.82	26.82	DISCCART	398930.00	3274420.00	29.87	29.87
DISCCART	398730.00	3273320.00	27.53	27.53	DISCCART	398930.00	3274520.00	29.87	29.87
DISCCART	398730.00	3273420.00	26.82	26.82	DISCCART	398930.00	3274620.00	29.87	29.87
DISCCART	398730.00	3273520.00	27.13	27.13	DISCCART	398930.00	3274720.00	29.87	29.87
DISCCART	398730.00	3273620.00	28.55	28.55	DISCCART	398930.00	3274820.00	30.42	30.42
DISCCART	398730.00	3273720.00	31.70	31.70	DISCCART	398930.00	3274920.00	29.87	29.87
DISCCART	398730.00	3273820.00	33.22	33.22	DISCCART	398930.00	3275020.00	29.87	29.87
DISCCART	398730.00	3273920.00	35.66	35.66	DISCCART	398930.00	3275120.00	29.87	29.87
DISCCART	398730.00	3274020.00	38.40	38.40	DISCCART	398930.00	3275220.00	29.87	29.87
DISCCART	398730.00	3274120.00	39.73	39.73	DISCCART	398930.00	3275320.00	29.94	29.94
DISCCART	398730.00	3274220.00	40.13	40.13	DISCCART	398930.00	3275420.00	29.87	29.87
DISCCART	398730.00	3274320.00	35.97	35.97	DISCCART	398930.00	3275520.00	29.87	29.87
DISCCART	398730.00	3274420.00	29.87	29.87	DISCCART	398930.00	3275620.00	29.87	29.87
DISCCART	398730.00	3274520.00	29.87	29.87	DISCCART	398930.00	3275720.00	29.87	29.87
DISCCART	398730.00	3274620.00	29.87	29.87	DISCCART	398930.00	3275820.00	29.87	29.87
DISCCART	398730.00	3274720.00	30.58	30.58	DISCCART	399030.00	3271820.00	34.34	34.34
DISCCART	398730.00	3274820.00	29.87	29.87	DISCCART	399030.00	3271920.00	31.39	31.39
DISCCART	398730.00	3274920.00	29.87	29.87	DISCCART	399030.00	3272020.00	29.46	29.46
DISCCART	398730.00	3275020.00	29.87	29.87	DISCCART	399030.00	3272120.00	25.70	25.70
DISCCART	398730.00	3275120.00	29.87	29.87	DISCCART	399030.00	3272220.00	28.04	28.04
DISCCART	398730.00	3275220.00	29.87	29.87	DISCCART	399030.00	3272320.00	32.00	32.00
DISCCART	398730.00	3275320.00	29.87	29.87	DISCCART	399030.00	3272420.00	34.54	34.54
DISCCART	398730.00	3275420.00	29.87	29.87	DISCCART	399030.00	3272520.00	35.66	35.66
DISCCART	398730.00	3275520.00	29.87	29.87	DISCCART	399030.00	3272620.00	31.80	31.80
DISCCART	398730.00	3275620.00	29.87	29.87	DISCCART	399030.00	3272720.00	29.46	29.46
DISCCART	398730.00	3275720.00	29.87	29.87	DISCCART	399030.00	3272820.00	27.13	27.13
DISCCART	398730.00	3275820.00	29.87	29.87	DISCCART	399030.00	3272920.00	31.50	31.50
DISCCART	398830.00	3271820.00	36.43	36.43	DISCCART	399030.00	3273020.00	28.14	30.18
DISCCART	398830.00	3271920.00	32.31	32.31	DISCCART	399030.00	3273120.00	27.74	27.74
DISCCART	398830.00	3272020.00	31.16	31.16	DISCCART	399030.00	3273220.00	30.38	30.38
DISCCART	398830.00	3272120.00	29.89	29.89	DISCCART	399030.00	3273320.00	33.22	33.22
DISCCART	398830.00	3272220.00	30.78	30.78	DISCCART	399030.00	3273420.00	38.40	38.40
DISCCART	398830.00	3272320.00	30.22	30.22	DISCCART	399030.00	3273520.00	38.20	38.20
DISCCART	398830.00	3272420.00	30.15	30.15	DISCCART	399030.00	3273620.00	36.58	36.58
DISCCART	398830.00	3272520.00	27.94	27.94	DISCCART	399030.00	3273720.00	35.66	35.66
DISCCART	398830.00	3272620.00	26.82	26.82	DISCCART	399030.00	3273820.00	34.34	34.34
DISCCART	398830.00	3272720.00	26.82	26.82	DISCCART	399030.00	3273920.00	32.82	32.82
DISCCART	398830.00	3272820.00	27.64	27.64	DISCCART	399030.00	3274020.00	35.05	35.05
DISCCART	398830.00	3272920.00	31.89	31.89	DISCCART	399030.00	3274120.00	34.85	34.85
DISCCART	398830.00	3273020.00	31.45	31.45	DISCCART	399030.00	3274220.00	30.28	30.28
DISCCART	398830.00	3273120.00	29.26	29.26	DISCCART	399030.00	3274320.00	29.87	29.87
DISCCART	398830.00	3273220.00	27.43	27.43	DISCCART	399030.00	3274420.00	29.87	29.87
DISCCART	398830.00	3273320.00	29.76	29.76	DISCCART	399030.00	3274520.00	29.87	29.87
DISCCART	398830.00	3273420.00	31.29	31.29	DISCCART	399030.00	3274620.00	29.87	29.87
DISCCART	398830.00	3273520.00	31.91	31.91	DISCCART	399030.00	3274720.00	29.87	29.87
DISCCART	398830.00	3273620.00	30.01	30.01	DISCCART	399030.00	3274820.00	29.87	29.87
DISCCART	398830.00	3273720.00	28.45	28.45	DISCCART	399030.00	3274920.00	30.48	30.48
DISCCART	398830.00	3273820.00	31.53	31.53	DISCCART	399030.00	3275020.00	29.87	29.87
DISCCART	398830.00	3273920.00	34.36	34.36	DISCCART	399030.00	3275120.00	29.87	29.87
DISCCART	398830.00	3274020.00	36.37	36.37	DISCCART	399030.00	3275220.00	31.09	31.09
DISCCART	398830.00	3274120.00	38.60	38.60	DISCCART	399030.00	3275320.00	31.50	31.50
DISCCART	398830.00	3274220.00	37.96	37.96	DISCCART	399030.00	3275420.00	31.50	31.50
DISCCART	398830.00	3274320.00	33.93	33.93	DISCCART	399030.00	3275520.00	31.39	31.39
DISCCART	398830.00	3274420.00	29.87	29.87	DISCCART	399030.00	3275620.00	30.38	30.38
DISCCART	398830.00	3274520.00	29.87	29.87	DISCCART	399030.00	3275720.00	30.68	30.68
DISCCART	398830.00	3274620.00	29.87	29.87	DISCCART	399030.00	3275820.00	30.48	30.48
DISCCART	398830.00	3274720.00	29.94	29.94	DISCCART	399130.00	3271820.00	34.94	34.94
DISCCART	398830.00	3274820.00	30.05	30.05	DISCCART	399130.00	3271920.00	32.51	32.51
DISCCART	398830.00	3274920.00	29.87	29.87	DISCCART	399130.00	3272020.00	29.68	29.68
DISCCART	398830.00	3275020.00	29.87	29.87	DISCCART	399130.00	3272120.00	28.18	28.18
DISCCART	398830.00	3275120.00	29.87	29.87	DISCCART	399130.00	3272220.00	30.38	30.38
DISCCART	398830.00	3275220.00	29.87	29.87	DISCCART	399130.00	3272320.00	31.91	31.91
DISCCART	398830.00	3275320.00	29.87	29.87	DISCCART	399130.00	3272420.00	32.14	32.14
DISCCART	398830.00	3275420.00	29.87	29.87	DISCCART	399130.00	3272520.00	35.26	35.26
DISCCART	398830.00	3275520.00	29.87	29.87	DISCCART	399130.00	3272620.00	32.89	32.89
DISCCART	398830.00	3275620.00	29.87	29.87	DISCCART	399130.00	3272720.00	29.14	29.14
DISCCART	398830.00	3275720.00	29.87	29.87	DISCCART	399130.00	3272820.00	26.82	26.82
DISCCART	398830.00	3275820.00	29.87	29.87	DISCCART	399130.00	3272920.00	27.00	27.00
DISCCART	398930.00	3271820.00	36.67	36.67	DISCCART	399130.00	3273020.00	26.82	26.82
DISCCART	398930.00	3271920.00	31.50	31.50	DISCCART	399130.00	3273120.00	26.82	26.82
DISCCART	398930.00	3272020.00	29.25	29.25	DISCCART	399130.00	3273220.00	29.71	29.71
DISCCART	398930.00	3272120.00	25.77	25.77	DISCCART	399130.00	3273320.00	34.86	34.86
DISCCART	398930.00	3272220.00	28.96	28.96	DISCCART	399130.00	3273420.00	40.64	40.64
DISCCART	398930.00	3272320.00	30.91	30.91	DISCCART	399130.00	3273520.00	40.91	40.91

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

DISCCART	399130.00	3273620.00	40.73	40.73	DISCCART	399430.00	3272420.00	31.77	31.77
DISCCART	399130.00	3273720.00	39.62	39.62	DISCCART	399430.00	3272520.00	33.02	33.02
DISCCART	399130.00	3273820.00	38.97	38.97	DISCCART	399430.00	3272620.00	35.37	35.37
DISCCART	399130.00	3273920.00	38.14	38.14	DISCCART	399430.00	3272720.00	34.28	34.28
DISCCART	399130.00	3274020.00	32.72	32.72	DISCCART	399430.00	3272820.00	30.48	30.48
DISCCART	399130.00	3274120.00	30.31	30.31	DISCCART	399430.00	3272920.00	27.31	27.31
DISCCART	399130.00	3274220.00	29.87	29.87	DISCCART	399430.00	3273020.00	29.68	29.68
DISCCART	399130.00	3274320.00	29.87	29.87	DISCCART	399430.00	3273120.00	31.90	31.90
DISCCART	399130.00	3274420.00	29.87	29.87	DISCCART	399430.00	3273220.00	35.37	35.37
DISCCART	399130.00	3274520.00	29.87	29.87	DISCCART	399430.00	3274220.00	35.44	35.44
DISCCART	399130.00	3274620.00	29.87	29.87	DISCCART	399430.00	3274320.00	31.90	31.90
DISCCART	399130.00	3274720.00	29.87	29.87	DISCCART	399430.00	3274420.00	29.87	29.87
DISCCART	399130.00	3274820.00	29.87	29.87	DISCCART	399430.00	3274520.00	29.87	29.87
DISCCART	399130.00	3274920.00	30.99	30.99	DISCCART	399430.00	3274620.00	29.87	29.87
DISCCART	399130.00	3275020.00	31.82	31.82	DISCCART	399430.00	3274720.00	29.87	29.87
DISCCART	399130.00	3275120.00	32.70	32.70	DISCCART	399430.00	3274820.00	31.05	31.05
DISCCART	399130.00	3275220.00	34.85	34.85	DISCCART	399430.00	3274920.00	35.97	35.97
DISCCART	399130.00	3275320.00	36.05	36.05	DISCCART	399430.00	3275020.00	38.47	38.47
DISCCART	399130.00	3275420.00	34.87	34.87	DISCCART	399430.00	3275120.00	39.86	39.86
DISCCART	399130.00	3275520.00	33.73	33.73	DISCCART	399430.00	3275220.00	41.66	41.66
DISCCART	399130.00	3275620.00	32.61	32.61	DISCCART	399430.00	3275320.00	41.09	41.09
DISCCART	399130.00	3275720.00	32.36	32.36	DISCCART	399430.00	3275420.00	41.54	41.54
DISCCART	399130.00	3275820.00	32.41	32.41	DISCCART	399430.00	3275520.00	40.34	40.34
DISCCART	399230.00	3271820.00	34.33	34.33	DISCCART	399430.00	3275620.00	39.51	39.51
DISCCART	399230.00	3271920.00	33.53	33.53	DISCCART	399430.00	3275720.00	39.44	39.44
DISCCART	399230.00	3272020.00	29.86	29.86	DISCCART	399430.00	3275820.00	37.08	37.08
DISCCART	399230.00	3272120.00	28.96	28.96	DISCCART	399530.00	3271820.00	32.15	32.15
DISCCART	399230.00	3272220.00	32.21	32.21	DISCCART	399530.00	3271920.00	31.50	31.50
DISCCART	399230.00	3272320.00	33.72	33.72	DISCCART	399530.00	3272020.00	33.47	33.47
DISCCART	399230.00	3272420.00	32.90	32.90	DISCCART	399530.00	3272120.00	33.04	33.04
DISCCART	399230.00	3272520.00	33.93	33.93	DISCCART	399530.00	3272220.00	32.41	32.41
DISCCART	399230.00	3272620.00	31.64	31.64	DISCCART	399530.00	3272320.00	32.02	32.02
DISCCART	399230.00	3272720.00	28.92	28.92	DISCCART	399530.00	3272420.00	31.37	31.37
DISCCART	399230.00	3272820.00	26.82	26.82	DISCCART	399530.00	3272520.00	33.93	33.93
DISCCART	399230.00	3272920.00	26.82	26.82	DISCCART	399530.00	3272620.00	35.40	35.40
DISCCART	399230.00	3273020.00	26.82	26.82	DISCCART	399530.00	3272720.00	33.43	33.43
DISCCART	399230.00	3273120.00	28.45	28.45	DISCCART	399530.00	3272820.00	28.24	28.24
DISCCART	399230.00	3273220.00	32.95	32.95	DISCCART	399530.00	3272920.00	28.29	28.29
DISCCART	399230.00	3274020.00	35.76	35.76	DISCCART	399530.00	3273020.00	30.41	30.41
DISCCART	399230.00	3274120.00	32.72	32.72	DISCCART	399530.00	3273120.00	31.90	31.90
DISCCART	399230.00	3274220.00	30.01	30.01	DISCCART	399530.00	3273220.00	34.21	34.21
DISCCART	399230.00	3274320.00	29.87	29.87	DISCCART	399530.00	3274320.00	34.54	34.54
DISCCART	399230.00	3274420.00	29.87	29.87	DISCCART	399530.00	3274420.00	32.90	32.90
DISCCART	399230.00	3274520.00	29.87	29.87	DISCCART	399530.00	3274520.00	30.38	30.38
DISCCART	399230.00	3274620.00	29.87	29.87	DISCCART	399530.00	3274620.00	29.87	29.87
DISCCART	399230.00	3274720.00	29.87	29.87	DISCCART	399530.00	3274720.00	29.87	29.87
DISCCART	399230.00	3274820.00	29.87	29.87	DISCCART	399530.00	3274820.00	31.93	31.93
DISCCART	399230.00	3274920.00	32.82	32.82	DISCCART	399530.00	3274920.00	37.49	37.49
DISCCART	399230.00	3275020.00	33.22	33.22	DISCCART	399530.00	3275020.00	40.23	40.23
DISCCART	399230.00	3275120.00	35.63	35.63	DISCCART	399530.00	3275120.00	41.81	41.81
DISCCART	399230.00	3275220.00	36.98	36.98	DISCCART	399530.00	3275220.00	43.38	43.38
DISCCART	399230.00	3275320.00	39.57	39.57	DISCCART	399530.00	3275320.00	44.50	44.50
DISCCART	399230.00	3275420.00	36.90	36.90	DISCCART	399530.00	3275420.00	45.96	45.96
DISCCART	399230.00	3275520.00	34.85	34.85	DISCCART	399530.00	3275520.00	44.09	44.09
DISCCART	399230.00	3275620.00	34.19	34.19	DISCCART	399530.00	3275620.00	41.94	41.94
DISCCART	399230.00	3275720.00	34.30	34.30	DISCCART	399530.00	3275720.00	41.76	41.76
DISCCART	399230.00	3275820.00	34.04	34.04	DISCCART	399530.00	3275820.00	39.73	39.73
DISCCART	399330.00	3271820.00	34.14	34.14	DISCCART	399630.00	3271820.00	30.07	30.07
DISCCART	399330.00	3271920.00	32.61	32.61	DISCCART	399630.00	3271920.00	31.09	31.09
DISCCART	399330.00	3272020.00	31.50	31.50	DISCCART	399630.00	3272020.00	32.41	32.41
DISCCART	399330.00	3272120.00	29.67	29.67	DISCCART	399630.00	3272120.00	32.41	32.41
DISCCART	399330.00	3272220.00	32.31	32.31	DISCCART	399630.00	3272220.00	30.48	30.48
DISCCART	399330.00	3272320.00	34.04	34.04	DISCCART	399630.00	3272320.00	31.09	31.09
DISCCART	399330.00	3272420.00	33.53	33.53	DISCCART	399630.00	3272420.00	32.51	32.51
DISCCART	399330.00	3272520.00	32.92	32.92	DISCCART	399630.00	3272520.00	33.22	33.22
DISCCART	399330.00	3272620.00	32.41	32.41	DISCCART	399630.00	3272620.00	33.02	33.02
DISCCART	399330.00	3272720.00	32.41	32.41	DISCCART	399630.00	3272720.00	30.48	30.48
DISCCART	399330.00	3272820.00	29.87	29.87	DISCCART	399630.00	3272820.00	26.21	26.21
DISCCART	399330.00	3272920.00	26.92	26.92	DISCCART	399630.00	3272920.00	28.96	28.96
DISCCART	399330.00	3273020.00	28.55	28.55	DISCCART	399630.00	3273020.00	30.99	30.99
DISCCART	399330.00	3273120.00	31.39	31.39	DISCCART	399630.00	3273120.00	31.70	31.70
DISCCART	399330.00	3273220.00	35.46	35.46	DISCCART	399630.00	3273220.00	31.19	31.19
DISCCART	399330.00	3274220.00	31.90	31.90	DISCCART	399630.00	3274320.00	37.19	37.19
DISCCART	399330.00	3274320.00	29.87	29.87	DISCCART	399630.00	3274420.00	34.75	34.75
DISCCART	399330.00	3274420.00	29.87	29.87	DISCCART	399630.00	3274520.00	31.39	31.39
DISCCART	399330.00	3274520.00	29.87	29.87	DISCCART	399630.00	3274620.00	30.48	30.48
DISCCART	399330.00	3274620.00	29.87	29.87	DISCCART	399630.00	3274720.00	30.18	30.18
DISCCART	399330.00	3274720.00	29.87	29.87	DISCCART	399630.00	3274820.00	30.18	30.18
DISCCART	399330.00	3274820.00	29.87	29.87	DISCCART	399630.00	3274920.00	35.97	35.97
DISCCART	399330.00	3274920.00	34.14	34.14					
DISCCART	399330.00	3275020.00	36.07	36.07	DISCCART	399630.00	3275020.00	40.03	40.03
DISCCART	399330.00	3275120.00	37.19	37.19	DISCCART	399630.00	3275120.00	42.47	42.47
DISCCART	399330.00	3275220.00	39.01	39.01	DISCCART	399630.00	3275220.00	46.63	46.63
DISCCART	399330.00	3275320.00	40.03	40.03	DISCCART	399630.00	3275320.00	47.65	47.65
DISCCART	399330.00	3275420.00	37.08	37.08	DISCCART	399630.00	3275420.00	48.87	48.87
DISCCART	399330.00	3275520.00	35.66	35.66	DISCCART	399630.00	3275520.00	46.63	46.63
DISCCART	399330.00	3275620.00	36.17	36.17	DISCCART	399630.00	3275620.00	44.70	44.70
DISCCART	399330.00	3275720.00	36.98	36.98	DISCCART	399630.00	3275720.00	44.81	44.81
DISCCART	399330.00	3275820.00	33.83	33.83	DISCCART	399630.00	3275820.00	44.50	44.50
DISCCART	399430.00	3271820.00	33.72	33.72	DISCCART	399730.00	3271820.00	32.42	32.42
DISCCART	399430.00	3271920.00	32.00	32.00	DISCCART	399730.00	3271920.00	30.78	30.78
DISCCART	399430.00	3272020.00	33.03	33.03	DISCCART	399730.00	3272020.00	32.43	32.43
DISCCART	399430.00	3272120.00	32.06	32.06	DISCCART	399730.00	3272120.00	32.18	32.18
DISCCART	399430.00	3272220.00	32.82	32.82	DISCCART	399730.00	3272220.00	29.87	29.87
DISCCART	399430.00	3272320.00	32.97	32.97	DISCCART	399730.00	3272320.00	31.03	31.03

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

DISCCART	399730.00	3272420.00	32.36	32.36	DISCCART	399930.00	3274020.00	39.32	39.32
DISCCART	399730.00	3272520.00	29.77	29.77	DISCCART	399930.00	3274120.00	38.81	38.81
DISCCART	399730.00	3272620.00	28.10	28.10	DISCCART	399930.00	3274220.00	40.84	40.84
DISCCART	399730.00	3272720.00	26.17	26.17	DISCCART	399930.00	3274320.00	38.10	38.10
DISCCART	399730.00	3272820.00	27.74	27.74	DISCCART	399930.00	3274420.00	35.66	35.66
DISCCART	399730.00	3272920.00	29.94	29.94	DISCCART	399930.00	3274520.00	34.34	34.34
DISCCART	399730.00	3273020.00	30.04	30.04	DISCCART	399930.00	3274620.00	35.05	35.05
DISCCART	399730.00	3273120.00	29.87	29.87	DISCCART	399930.00	3274720.00	32.72	32.72
DISCCART	399730.00	3273220.00	29.29	29.29	DISCCART	399930.00	3274820.00	30.18	30.18
DISCCART	399730.00	3273320.00	30.76	30.76	DISCCART	399930.00	3274920.00	32.92	32.92
DISCCART	399730.00	3273420.00	32.61	32.61	DISCCART	399930.00	3275020.00	35.46	35.46
DISCCART	399730.00	3273520.00	34.04	34.04	DISCCART	399930.00	3275120.00	38.00	38.00
DISCCART	399730.00	3273620.00	35.07	35.07	DISCCART	399930.00	3275220.00	40.54	40.54
DISCCART	399730.00	3273720.00	29.97	29.97	DISCCART	399930.00	3275320.00	44.70	44.70
DISCCART	399730.00	3273820.00	34.51	34.51	DISCCART	399930.00	3275420.00	45.82	45.82
DISCCART	399730.00	3274220.00	38.71	38.71	DISCCART	399930.00	3275520.00	47.55	47.55
DISCCART	399730.00	3274320.00	37.08	37.08	DISCCART	399930.00	3275620.00	49.68	49.68
DISCCART	399730.00	3274420.00	34.05	34.05	DISCCART	399930.00	3275720.00	52.73	52.73
DISCCART	399730.00	3274520.00	32.92	32.92	DISCCART	399930.00	3275820.00	55.17	55.17
DISCCART	399730.00	3274620.00	31.39	31.39	DISCCART	400030.00	3271820.00	25.30	25.30
DISCCART	399730.00	3274720.00	29.87	29.87	DISCCART	400030.00	3271920.00	25.30	25.30
DISCCART	399730.00	3274820.00	29.94	29.94	DISCCART	400030.00	3272020.00	26.31	26.31
DISCCART	399730.00	3274920.00	34.95	34.95	DISCCART	400030.00	3272120.00	28.11	28.11
DISCCART	399730.00	3275020.00	38.65	38.65	DISCCART	400030.00	3272220.00	25.30	25.30
DISCCART	399730.00	3275120.00	41.44	41.44	DISCCART	400030.00	3272320.00	25.30	25.30
DISCCART	399730.00	3275220.00	45.92	45.92	DISCCART	400030.00	3272420.00	25.30	25.30
DISCCART	399730.00	3275320.00	48.46	48.46	DISCCART	400030.00	3272520.00	25.30	25.30
DISCCART	399730.00	3275420.00	50.78	50.78	DISCCART	400030.00	3272620.00	25.30	25.30
DISCCART	399730.00	3275520.00	48.77	48.77	DISCCART	400030.00	3272720.00	25.30	25.30
DISCCART	399730.00	3275620.00	45.97	45.97	DISCCART	400030.00	3272820.00	25.30	25.30
DISCCART	399730.00	3275720.00	47.30	47.30	DISCCART	400030.00	3272920.00	28.71	28.71
DISCCART	399730.00	3275820.00	49.38	49.38	DISCCART	400030.00	3273020.00	32.96	32.96
DISCCART	399830.00	3271820.00	31.19	31.19	DISCCART	400030.00	3273120.00	37.29	37.29
DISCCART	399830.00	3271920.00	32.00	32.00	DISCCART	400030.00	3273220.00	40.12	40.12
DISCCART	399830.00	3272020.00	32.49	32.49	DISCCART	400030.00	3273320.00	38.45	38.45
DISCCART	399830.00	3272120.00	32.02	32.02	DISCCART	400030.00	3273420.00	36.88	36.88
DISCCART	399830.00	3272220.00	29.77	29.77	DISCCART	400030.00	3273520.00	39.07	39.07
DISCCART	399830.00	3272320.00	31.20	31.20	DISCCART	400030.00	3273620.00	39.19	39.19
DISCCART	399830.00	3272420.00	31.21	31.21	DISCCART	400030.00	3273720.00	37.39	37.39
DISCCART	399830.00	3272520.00	29.36	29.36	DISCCART	400030.00	3273820.00	36.62	36.62
DISCCART	399830.00	3272620.00	27.61	27.61	DISCCART	400030.00	3273920.00	37.35	37.35
DISCCART	399830.00	3272720.00	25.41	25.41	DISCCART	400030.00	3274020.00	37.19	37.19
DISCCART	399830.00	3272820.00	29.26	29.26	DISCCART	400030.00	3274120.00	38.90	38.90
DISCCART	399830.00	3272920.00	31.52	31.52	DISCCART	400030.00	3274220.00	38.34	38.34
DISCCART	399830.00	3273020.00	31.92	31.92	DISCCART	400030.00	3274320.00	40.94	40.94
DISCCART	399830.00	3273120.00	29.77	29.77	DISCCART	400030.00	3274420.00	38.64	38.64
DISCCART	399830.00	3273220.00	31.14	31.14	DISCCART	400030.00	3274520.00	37.44	37.44
DISCCART	399830.00	3273320.00	33.15	33.15	DISCCART	400030.00	3274620.00	35.15	35.15
DISCCART	399830.00	3273420.00	35.05	35.05	DISCCART	400030.00	3274720.00	31.57	31.57
DISCCART	399830.00	3273520.00	36.76	36.76	DISCCART	400030.00	3274820.00	32.40	32.40
DISCCART	399830.00	3273620.00	36.22	36.22	DISCCART	400030.00	3274920.00	34.54	34.54
DISCCART	399830.00	3273720.00	33.53	33.53	DISCCART	400030.00	3275020.00	33.90	33.90
DISCCART	399830.00	3273820.00	35.34	35.34	DISCCART	400030.00	3275120.00	38.58	38.58
DISCCART	399830.00	3273920.00	37.35	37.35	DISCCART	400030.00	3275220.00	40.64	40.64
DISCCART	399830.00	3274020.00	35.46	35.46	DISCCART	400030.00	3275320.00	43.59	43.59
DISCCART	399830.00	3274120.00	38.34	38.34	DISCCART	400030.00	3275420.00	45.10	45.10
DISCCART	399830.00	3274220.00	38.39	38.39	DISCCART	400030.00	3275520.00	48.06	48.06
DISCCART	399830.00	3274320.00	37.39	37.39	DISCCART	400030.00	3275620.00	51.21	51.21
DISCCART	399830.00	3274420.00	36.01	36.01	DISCCART	400030.00	3275720.00	54.06	54.06
DISCCART	399830.00	3274520.00	32.35	32.35	DISCCART	400030.00	3275820.00	55.47	55.47
DISCCART	399830.00	3274620.00	31.70	31.70	DISCCART	400130.00	3271820.00	25.30	25.30
DISCCART	399830.00	3274720.00	30.05	30.05	DISCCART	400130.00	3271920.00	25.30	25.30
DISCCART	399830.00	3274820.00	29.87	29.87	DISCCART	400130.00	3272020.00	25.30	25.30
DISCCART	399830.00	3274920.00	34.24	34.24	DISCCART	400130.00	3272120.00	25.46	25.46
DISCCART	399830.00	3275020.00	37.38	37.38	DISCCART	400130.00	3272220.00	25.30	25.30
DISCCART	399830.00	3275120.00	40.29	40.29	DISCCART	400130.00	3272320.00	25.30	25.30
DISCCART	399830.00	3275220.00	43.89	43.89	DISCCART	400130.00	3272420.00	25.30	25.30
DISCCART	399830.00	3275320.00	46.83	46.83	DISCCART	400130.00	3272520.00	25.30	25.30
DISCCART	399830.00	3275420.00	48.55	48.55	DISCCART	400130.00	3272620.00	25.30	25.30
DISCCART	399830.00	3275520.00	48.36	48.36	DISCCART	400130.00	3272720.00	25.30	25.30
DISCCART	399830.00	3275620.00	47.38	47.38	DISCCART	400130.00	3272820.00	25.30	25.30
DISCCART	399830.00	3275720.00	49.36	49.36	DISCCART	400130.00	3272920.00	25.96	25.96
DISCCART	399830.00	3275820.00	52.53	52.53	DISCCART	400130.00	3273020.00	30.96	30.96
DISCCART	399930.00	3271820.00	29.06	29.06	DISCCART	400130.00	3273120.00	35.46	35.46
DISCCART	399930.00	3271920.00	27.13	27.13	DISCCART	400130.00	3273220.00	39.80	39.80
DISCCART	399930.00	3272020.00	30.38	30.38	DISCCART	400130.00	3273320.00	34.04	34.04
DISCCART	399930.00	3272120.00	30.89	30.89	DISCCART	400130.00	3273420.00	29.67	29.67
DISCCART	399930.00	3272220.00	28.04	28.04	DISCCART	400130.00	3273520.00	32.84	32.84
DISCCART	399930.00	3272320.00	25.81	25.81	DISCCART	400130.00	3273620.00	34.51	34.51
DISCCART	399930.00	3272420.00	26.01	26.01	DISCCART	400130.00	3273720.00	34.65	34.65
DISCCART	399930.00	3272520.00	25.30	25.30	DISCCART	400130.00	3273820.00	34.08	34.08
DISCCART	399930.00	3272620.00	25.30	25.30	DISCCART	400130.00	3273920.00	35.36	35.36
DISCCART	399930.00	3272720.00	25.30	25.30	DISCCART	400130.00	3274020.00	38.20	38.20
DISCCART	399930.00	3272820.00	28.04	28.04	DISCCART	400130.00	3274120.00	37.99	37.99
DISCCART	399930.00	3272920.00	31.50	31.50	DISCCART	400130.00	3274220.00	37.91	37.91
DISCCART	399930.00	3273020.00	34.24	34.24	DISCCART	400130.00	3274320.00	40.13	40.13
DISCCART	399930.00	3273120.00	34.75	34.75	DISCCART	400130.00	3274420.00	37.49	37.49
DISCCART	399930.00	3273220.00	36.07	36.07	DISCCART	400130.00	3274520.00	34.87	34.87
DISCCART	399930.00	3273320.00	36.68	36.68	DISCCART	400130.00	3274620.00	36.37	36.37
DISCCART	399930.00	3273420.00	37.19	37.19	DISCCART	400130.00	3274720.00	32.54	32.54
DISCCART	399930.00	3273520.00	39.42	39.42	DISCCART	400130.00	3274820.00	33.58	33.58
DISCCART	399930.00	3273620.00	38.71	38.71	DISCCART	400130.00	3274920.00	37.29	37.29
DISCCART	399930.00	3273720.00	38.40	38.40	DISCCART	400130.00	3275020.00	37.52	37.52
DISCCART	399930.00	3273820.00	39.01	39.01	DISCCART	400130.00	3275120.00	38.81	38.81
DISCCART	399930.00	3273920.00	39.93	39.93	DISCCART	400130.00	3275220.00	40.74	40.74

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

DISCCART	400130.00	3275320.00	43.23	43.23	DISCCART	400430.00	3272420.00	25.30	25.30
DISCCART	400130.00	3275420.00	45.35	45.35	DISCCART	400430.00	3272520.00	25.30	25.30
DISCCART	400130.00	3275520.00	46.94	46.94	DISCCART	400430.00	3272620.00	25.30	25.30
DISCCART	400130.00	3275620.00	49.93	49.93	DISCCART	400430.00	3272720.00	25.30	25.30
DISCCART	400130.00	3275720.00	52.98	52.98	DISCCART	400430.00	3272820.00	25.40	25.40
DISCCART	400130.00	3275820.00	54.36	54.36	DISCCART	400430.00	3272920.00	27.81	27.81
DISCCART	400230.00	3271820.00	25.30	25.30	DISCCART	400430.00	3273020.00	29.33	29.33
DISCCART	400230.00	3271920.00	25.30	25.30	DISCCART	400430.00	3273120.00	31.09	31.09
DISCCART	400230.00	3272020.00	25.30	25.30	DISCCART	400430.00	3273220.00	32.09	32.09
DISCCART	400230.00	3272120.00	25.30	25.30	DISCCART	400430.00	3273320.00	33.08	33.08
DISCCART	400230.00	3272220.00	25.30	25.30	DISCCART	400430.00	3273420.00	35.66	35.66
DISCCART	400230.00	3272320.00	25.30	25.30	DISCCART	400430.00	3273520.00	38.16	38.16
DISCCART	400230.00	3272420.00	25.30	25.30	DISCCART	400430.00	3273620.00	35.73	35.73
DISCCART	400230.00	3272520.00	25.30	25.30	DISCCART	400430.00	3273720.00	31.09	31.09
DISCCART	400230.00	3272620.00	25.30	25.30	DISCCART	400430.00	3273820.00	26.82	26.82
DISCCART	400230.00	3272720.00	25.30	25.30	DISCCART	400430.00	3273920.00	29.15	29.15
DISCCART	400230.00	3272820.00	25.30	25.30	DISCCART	400430.00	3274020.00	29.87	29.87
DISCCART	400230.00	3272920.00	25.81	25.81	DISCCART	400430.00	3274120.00	31.81	31.81
DISCCART	400230.00	3273020.00	30.99	30.99	DISCCART	400430.00	3274220.00	32.92	32.92
DISCCART	400230.00	3273120.00	34.75	34.75	DISCCART	400430.00	3274320.00	35.36	35.36
DISCCART	400230.00	3273220.00	38.40	38.40	DISCCART	400430.00	3274420.00	39.53	39.53
DISCCART	400230.00	3273320.00	34.54	34.54	DISCCART	400430.00	3274520.00	36.92	41.15
DISCCART	400230.00	3273420.00	30.48	30.48	DISCCART	400430.00	3274620.00	40.23	40.23
DISCCART	400230.00	3273520.00	28.55	28.55	DISCCART	400430.00	3274720.00	37.01	37.01
DISCCART	400230.00	3273620.00	29.36	29.36	DISCCART	400430.00	3274820.00	43.45	43.45
DISCCART	400230.00	3273720.00	32.31	32.31	DISCCART	400430.00	3274920.00	46.94	46.94
DISCCART	400230.00	3273820.00	29.57	29.57	DISCCART	400430.00	3275020.00	46.07	46.07
DISCCART	400230.00	3273920.00	33.53	33.53	DISCCART	400430.00	3275120.00	44.83	44.83
DISCCART	400230.00	3274020.00	31.39	37.49	DISCCART	400430.00	3275220.00	46.43	46.43
DISCCART	400230.00	3274120.00	35.36	35.36	DISCCART	400430.00	3275320.00	47.85	47.85
DISCCART	400230.00	3274220.00	37.59	37.59	DISCCART	400430.00	3275420.00	48.89	48.89
DISCCART	400230.00	3274320.00	39.93	39.93	DISCCART	400430.00	3275520.00	48.87	48.87
DISCCART	400230.00	3274420.00	28.55	39.93	DISCCART	400430.00	3275620.00	50.85	50.85
DISCCART	400230.00	3274520.00	30.68	41.45	DISCCART	400430.00	3275720.00	50.11	50.11
DISCCART	400230.00	3274620.00	40.54	40.54	DISCCART	400430.00	3275820.00	52.22	52.22
DISCCART	400230.00	3274720.00	36.88	36.88	DISCCART	400530.00	3271820.00	25.30	25.30
DISCCART	400230.00	3274820.00	37.90	37.90	DISCCART	400530.00	3271920.00	25.30	25.30
DISCCART	400230.00	3274920.00	39.62	39.62	DISCCART	400530.00	3272020.00	26.52	26.52
DISCCART	400230.00	3275020.00	41.25	41.25	DISCCART	400530.00	3272120.00	25.30	25.30
DISCCART	400230.00	3275120.00	40.13	40.13	DISCCART	400530.00	3272220.00	25.30	25.30
DISCCART	400230.00	3275220.00	41.15	41.15	DISCCART	400530.00	3272320.00	25.10	25.10
DISCCART	400230.00	3275320.00	43.89	43.89	DISCCART	400530.00	3272420.00	25.30	25.30
DISCCART	400230.00	3275420.00	46.53	46.53	DISCCART	400530.00	3272520.00	25.30	25.30
DISCCART	400230.00	3275520.00	48.77	48.77	DISCCART	400530.00	3272620.00	25.30	25.30
DISCCART	400230.00	3275620.00	51.10	51.10	DISCCART	400530.00	3272720.00	25.30	25.30
DISCCART	400230.00	3275720.00	52.32	52.32	DISCCART	400530.00	3272820.00	25.30	25.30
DISCCART	400230.00	3275820.00	53.64	53.64	DISCCART	400530.00	3272920.00	26.62	26.62
DISCCART	400330.00	3271820.00	25.92	25.92	DISCCART	400530.00	3273020.00	28.35	28.35
DISCCART	400330.00	3271920.00	25.70	25.70	DISCCART	400530.00	3273120.00	31.39	31.39
DISCCART	400330.00	3272020.00	25.85	25.85	DISCCART	400530.00	3273220.00	34.65	34.65
DISCCART	400330.00	3272120.00	25.42	25.42	DISCCART	400530.00	3273320.00	36.37	36.37
DISCCART	400330.00	3272220.00	25.30	25.30	DISCCART	400530.00	3273420.00	39.01	39.01
DISCCART	400330.00	3272320.00	25.30	25.30	DISCCART	400530.00	3273520.00	41.35	41.35
DISCCART	400330.00	3272420.00	25.30	25.30	DISCCART	400530.00	3273620.00	38.30	38.30
DISCCART	400330.00	3272520.00	25.30	25.30	DISCCART	400530.00	3273720.00	32.61	32.61
DISCCART	400330.00	3272620.00	25.30	25.30	DISCCART	400530.00	3273820.00	27.03	27.03
DISCCART	400330.00	3272720.00	25.30	25.30	DISCCART	400530.00	3273920.00	26.82	26.82
DISCCART	400330.00	3272820.00	25.30	25.30	DISCCART	400530.00	3274020.00	28.96	28.96
DISCCART	400330.00	3272920.00	28.00	28.00	DISCCART	400530.00	3274120.00	29.67	29.67
DISCCART	400330.00	3273020.00	30.59	30.59	DISCCART	400530.00	3274220.00	31.50	31.50
DISCCART	400330.00	3273120.00	33.63	33.63	DISCCART	400530.00	3274320.00	33.83	33.83
DISCCART	400330.00	3273220.00	35.90	35.90	DISCCART	400530.00	3274420.00	38.81	38.81
DISCCART	400330.00	3273320.00	34.51	34.51	DISCCART	400530.00	3274520.00	42.47	42.47
DISCCART	400330.00	3273420.00	33.73	33.73	DISCCART	400530.00	3274620.00	40.84	40.84
DISCCART	400330.00	3273520.00	33.74	33.74	DISCCART	400530.00	3274720.00	43.48	43.48
DISCCART	400330.00	3273620.00	33.17	33.17	DISCCART	400530.00	3274820.00	45.31	45.31
DISCCART	400330.00	3273720.00	28.85	28.85	DISCCART	400530.00	3274920.00	48.77	48.77
DISCCART	400330.00	3273820.00	27.56	27.56	DISCCART	400530.00	3275020.00	48.46	48.46
DISCCART	400330.00	3273920.00	31.14	31.14	DISCCART	400530.00	3275120.00	46.84	46.84
DISCCART	400330.00	3274020.00	26.82	26.82	DISCCART	400530.00	3275220.00	48.77	48.77
DISCCART	400330.00	3274120.00	30.76	30.76	DISCCART	400530.00	3275320.00	47.96	47.96
DISCCART	400330.00	3274220.00	35.88	35.88	DISCCART	400530.00	3275420.00	47.35	47.35
DISCCART	400330.00	3274320.00	35.56	35.56	DISCCART	400530.00	3275520.00	49.07	49.07
DISCCART	400330.00	3274420.00	36.79	39.93	DISCCART	400530.00	3275620.00	50.60	50.60
DISCCART	400330.00	3274520.00	32.92	42.06	DISCCART	400530.00	3275720.00	49.38	49.38
DISCCART	400330.00	3274620.00	42.57	42.57	DISCCART	400530.00	3275820.00	51.82	51.82
DISCCART	400330.00	3274720.00	38.25	38.25	DISCCART	400630.00	3271820.00	25.30	25.30
DISCCART	400330.00	3274820.00	41.40	41.40	DISCCART	400630.00	3271920.00	25.30	25.30
DISCCART	400330.00	3274920.00	43.48	43.48	DISCCART	400630.00	3272020.00	25.51	25.51
DISCCART	400330.00	3275020.00	43.39	43.39	DISCCART	400630.00	3272120.00	25.30	25.30
DISCCART	400330.00	3275120.00	43.35	43.35	DISCCART	400630.00	3272220.00	25.30	25.30
DISCCART	400330.00	3275220.00	44.70	44.70	DISCCART	400630.00	3272320.00	25.30	25.30
DISCCART	400330.00	3275320.00	46.04	46.04	DISCCART	400630.00	3272420.00	25.30	25.30
DISCCART	400330.00	3275420.00	46.81	46.81	DISCCART	400630.00	3272520.00	25.30	25.30
DISCCART	400330.00	3275520.00	48.26	48.26	DISCCART	400630.00	3272620.00	25.30	25.30
DISCCART	400330.00	3275620.00	50.96	50.96	DISCCART	400630.00	3272720.00	25.30	25.30
DISCCART	400330.00	3275720.00	52.30	52.30	DISCCART	400630.00	3272820.00	25.30	25.30
DISCCART	400330.00	3275820.00	53.04	53.04	DISCCART	400630.00	3272920.00	25.48	25.48
DISCCART	400430.00	3271820.00	25.66	25.66	DISCCART	400630.00	3273020.00	26.10	26.10
DISCCART	400430.00	3271920.00	25.30	25.30	DISCCART	400630.00	3273120.00	30.99	30.99
DISCCART	400430.00	3272020.00	25.91	25.91	DISCCART	400630.00	3273220.00	36.40	36.40
DISCCART	400430.00	3272120.00	25.80	25.80	DISCCART	400630.00	3273320.00	38.96	38.96
DISCCART	400430.00	3272220.00	25.30	25.30	DISCCART	400630.00	3273420.00	41.25	41.25
DISCCART	400430.00	3272320.00	25.12	25.12	DISCCART	400630.00	3273520.00	42.63	42.63
DISCCART	400430.00	3272420.00	25.30	25.30	DISCCART	400630.00	3273620.00	39.64	39.64

DISCCART	400630.00	3273720.00	34.24	34.24	DISCCART	400830.00	3275020.00	51.31	51.31
DISCCART	400630.00	3273820.00	29.30	29.30	DISCCART	400830.00	3275120.00	51.71	51.71
DISCCART	400630.00	3273920.00	26.82	26.82	DISCCART	400830.00	3275220.00	50.29	50.29
DISCCART	400630.00	3274020.00	26.82	26.82	DISCCART	400830.00	3275320.00	46.53	46.53
DISCCART	400630.00	3274120.00	28.18	28.18	DISCCART	400830.00	3275420.00	46.84	46.84
DISCCART	400630.00	3274220.00	30.49	30.49	DISCCART	400830.00	3275520.00	50.29	50.29
DISCCART	400630.00	3274320.00	34.44	34.44	DISCCART	400830.00	3275620.00	46.94	46.94
DISCCART	400630.00	3274420.00	39.76	39.76	DISCCART	400830.00	3275720.00	45.11	45.11
DISCCART	400630.00	3274520.00	42.37	42.37	DISCCART	400830.00	3275820.00	47.55	47.55
DISCCART	400630.00	3274620.00	42.47	42.47	DISCCART	400930.00	3271820.00	25.30	25.30
DISCCART	400630.00	3274720.00	45.00	45.00	DISCCART	400930.00	3271920.00	25.30	25.30
DISCCART	400630.00	3274820.00	49.20	49.20	DISCCART	400930.00	3272020.00	25.30	25.30
DISCCART	400630.00	3274920.00	49.78	49.78	DISCCART	400930.00	3272120.00	25.30	25.30
DISCCART	400630.00	3275020.00	48.77	48.77	DISCCART	400930.00	3272220.00	25.30	25.30
DISCCART	400630.00	3275120.00	50.17	50.17	DISCCART	400930.00	3272320.00	25.30	25.30
DISCCART	400630.00	3275220.00	49.38	49.38	DISCCART	400930.00	3272420.00	25.30	25.30
DISCCART	400630.00	3275320.00	47.98	47.98	DISCCART	400930.00	3272520.00	25.30	25.30
DISCCART	400630.00	3275420.00	48.30	48.30	DISCCART	400930.00	3272620.00	25.30	25.30
DISCCART	400630.00	3275520.00	49.28	49.28	DISCCART	400930.00	3272720.00	25.30	25.30
DISCCART	400630.00	3275620.00	49.20	49.20	DISCCART	400930.00	3272820.00	25.30	25.30
DISCCART	400630.00	3275720.00	47.98	47.98	DISCCART	400930.00	3272920.00	25.30	25.30
DISCCART	400630.00	3275820.00	48.97	48.97	DISCCART	400930.00	3273020.00	26.02	26.02
DISCCART	400730.00	3271820.00	25.30	25.30	DISCCART	400930.00	3273120.00	31.80	31.80
DISCCART	400730.00	3271920.00	25.30	25.30					
DISCCART	400730.00	3272020.00	25.30	25.30	DISCCART	400930.00	3273220.00	36.27	36.27
DISCCART	400730.00	3272120.00	25.30	25.30	DISCCART	400930.00	3273320.00	39.30	39.30
DISCCART	400730.00	3272220.00	25.30	25.30	DISCCART	400930.00	3273420.00	42.77	42.77
DISCCART	400730.00	3272320.00	25.30	25.30	DISCCART	400930.00	3273520.00	43.75	43.75
DISCCART	400730.00	3272420.00	25.30	25.30	DISCCART	400930.00	3273620.00	41.33	41.33
DISCCART	400730.00	3272520.00	25.30	25.30	DISCCART	400930.00	3273720.00	40.84	40.84
DISCCART	400730.00	3272620.00	25.30	25.30	DISCCART	400930.00	3273820.00	40.04	40.04
DISCCART	400730.00	3272720.00	25.30	25.30	DISCCART	400930.00	3273920.00	37.33	37.33
DISCCART	400730.00	3272820.00	25.30	25.30	DISCCART	400930.00	3274020.00	33.63	33.63
DISCCART	400730.00	3272920.00	25.30	25.30	DISCCART	400930.00	3274120.00	29.55	29.55
DISCCART	400730.00	3273020.00	28.58	28.58	DISCCART	400930.00	3274220.00	30.87	32.31
DISCCART	400730.00	3273120.00	33.73	33.73	DISCCART	400930.00	3274320.00	32.82	33.83
DISCCART	400730.00	3273220.00	37.01	37.01	DISCCART	400930.00	3274420.00	37.23	37.23
DISCCART	400730.00	3273320.00	39.86	39.86	DISCCART	400930.00	3274520.00	40.76	40.76
DISCCART	400730.00	3273420.00	43.48	43.48	DISCCART	400930.00	3274620.00	43.89	43.89
DISCCART	400730.00	3273520.00	44.49	44.49	DISCCART	400930.00	3274720.00	45.29	45.29
DISCCART	400730.00	3273620.00	41.58	41.58	DISCCART	400930.00	3274820.00	46.14	46.14
DISCCART	400730.00	3273720.00	38.00	38.00	DISCCART	400930.00	3274920.00	46.94	46.94
DISCCART	400730.00	3273820.00	33.93	33.93	DISCCART	400930.00	3275020.00	47.73	47.73
DISCCART	400730.00	3273920.00	30.96	30.96	DISCCART	400930.00	3275120.00	48.39	48.39
DISCCART	400730.00	3274020.00	29.26	29.26	DISCCART	400930.00	3275220.00	47.96	47.96
DISCCART	400730.00	3274120.00	30.36	30.36	DISCCART	400930.00	3275320.00	45.21	45.21
DISCCART	400730.00	3274220.00	33.07	33.07	DISCCART	400930.00	3275420.00	44.36	44.36
DISCCART	400730.00	3274320.00	38.20	38.20	DISCCART	400930.00	3275520.00	45.52	45.52
DISCCART	400730.00	3274420.00	40.59	40.59	DISCCART	400930.00	3275620.00	43.77	43.77
DISCCART	400730.00	3274520.00	42.84	42.84	DISCCART	400930.00	3275720.00	45.04	45.04
DISCCART	400730.00	3274620.00	45.21	45.21	DISCCART	400930.00	3275820.00	48.67	48.67
DISCCART	400730.00	3274720.00	47.10	47.10	DISCCART	401030.00	3271820.00	25.17	25.17
DISCCART	400730.00	3274820.00	49.74	49.74	DISCCART	401030.00	3271920.00	25.30	25.30
DISCCART	400730.00	3274920.00	51.82	51.82	DISCCART	401030.00	3272020.00	25.30	25.30
DISCCART	400730.00	3275020.00	51.51	51.51	DISCCART	401030.00	3272120.00	25.30	25.30
DISCCART	400730.00	3275120.00	51.15	51.15	DISCCART	401030.00	3272220.00	25.30	25.30
DISCCART	400730.00	3275220.00	49.38	49.38	DISCCART	401030.00	3272320.00	25.30	25.30
DISCCART	400730.00	3275320.00	47.05	47.05	DISCCART	401030.00	3272420.00	25.30	25.30
DISCCART	400730.00	3275420.00	48.46	48.46	DISCCART	401030.00	3272520.00	25.30	25.30
DISCCART	400730.00	3275520.00	48.56	48.56	DISCCART	401030.00	3272620.00	25.30	25.30
DISCCART	400730.00	3275620.00	48.03	48.03	DISCCART	401030.00	3272720.00	25.30	25.30
DISCCART	400730.00	3275720.00	46.90	46.90	DISCCART	401030.00	3272820.00	25.30	25.30
DISCCART	400730.00	3275820.00	47.55	47.55	DISCCART	401030.00	3272920.00	25.30	25.30
DISCCART	400830.00	3271820.00	25.30	25.30	DISCCART	401030.00	3273020.00	25.48	25.48
DISCCART	400830.00	3271920.00	25.30	25.30	DISCCART	401030.00	3273120.00	30.18	30.18
DISCCART	400830.00	3272020.00	25.30	25.30	DISCCART	401030.00	3273220.00	35.19	35.19
DISCCART	400830.00	3272120.00	25.30	25.30	DISCCART	401030.00	3273320.00	38.04	38.04
DISCCART	400830.00	3272220.00	25.30	25.30	DISCCART	401030.00	3273420.00	40.74	40.74
DISCCART	400830.00	3272320.00	25.30	25.30	DISCCART	401030.00	3273520.00	40.66	40.66
DISCCART	400830.00	3272420.00	25.30	25.30	DISCCART	401030.00	3273620.00	38.31	38.31
DISCCART	400830.00	3272520.00	25.30	25.30	DISCCART	401030.00	3273720.00	37.59	37.59
DISCCART	400830.00	3272620.00	25.30	25.30	DISCCART	401030.00	3273820.00	37.77	37.77
DISCCART	400830.00	3272720.00	25.30	25.30	DISCCART	401030.00	3273920.00	37.68	37.68
DISCCART	400830.00	3272820.00	25.30	25.30	DISCCART	401030.00	3274020.00	33.43	33.43
DISCCART	400830.00	3272920.00	25.30	25.30	DISCCART	401030.00	3274120.00	28.42	28.42
DISCCART	400830.00	3273020.00	28.55	28.55	DISCCART	401030.00	3274220.00	28.35	28.35
DISCCART	400830.00	3273120.00	32.00	32.00	DISCCART	401030.00	3274320.00	28.35	28.35
DISCCART	400830.00	3273220.00	35.15	35.15	DISCCART	401030.00	3274420.00	29.80	29.80
DISCCART	400830.00	3273320.00	38.91	38.91	DISCCART	401030.00	3274520.00	36.65	36.65
DISCCART	400830.00	3273420.00	42.98	42.98	DISCCART	401030.00	3274620.00	40.13	40.13
DISCCART	400830.00	3273520.00	46.02	46.02	DISCCART	401030.00	3274720.00	42.08	42.08
DISCCART	400830.00	3273620.00	43.48	43.48	DISCCART	401030.00	3274820.00	43.05	43.05
DISCCART	400830.00	3273720.00	41.15	41.15	DISCCART	401030.00	3274920.00	44.91	44.91
DISCCART	400830.00	3273820.00	38.00	38.00	DISCCART	401030.00	3275020.00	45.42	45.42
DISCCART	400830.00	3273920.00	34.75	34.75	DISCCART	401030.00	3275120.00	45.13	45.13
DISCCART	400830.00	3274020.00	32.00	32.00	DISCCART	401030.00	3275220.00	44.40	44.40
DISCCART	400830.00	3274120.00	32.41	32.41	DISCCART	401030.00	3275320.00	42.91	42.91
DISCCART	400830.00	3274220.00	36.27	36.27	DISCCART	401030.00	3275420.00	41.11	41.11
DISCCART	400830.00	3274320.00	39.32	39.32	DISCCART	401030.00	3275520.00	40.44	40.44
DISCCART	400830.00	3274420.00	40.34	40.34	DISCCART	401030.00	3275620.00	40.82	40.82
DISCCART	400830.00	3274520.00	42.67	42.67	DISCCART	401030.00	3275720.00	44.85	44.85
DISCCART	400830.00	3274620.00	45.72	45.72	DISCCART	401030.00	3275820.00	48.87	48.87
DISCCART	400830.00	3274720.00	47.65	47.65	DISCCART	401130.00	3271820.00	25.30	25.30
DISCCART	400830.00	3274820.00	48.67	48.67	DISCCART	401130.00	3271920.00	25.30	25.30
DISCCART	400830.00	3274920.00	49.99	49.99	DISCCART	401130.00	3272020.00	25.30	25.30

Hawthorne, FL Plywood Facility - Modeling Report for HBCA Demonstration

DISCCART	401130.00	3272120.00	25.30	25.30
DISCCART	401130.00	3272220.00	25.30	25.30
DISCCART	401130.00	3272320.00	25.30	25.30
DISCCART	401130.00	3272420.00	25.30	25.30
DISCCART	401130.00	3272520.00	25.30	25.30
DISCCART	401130.00	3272620.00	25.30	25.30
DISCCART	401130.00	3272720.00	25.30	25.30
DISCCART	401130.00	3272820.00	25.30	25.30
DISCCART	401130.00	3272920.00	25.30	25.30
DISCCART	401130.00	3273020.00	25.30	25.30
DISCCART	401130.00	3273120.00	27.74	27.74
DISCCART	401130.00	3273220.00	33.43	33.43
DISCCART	401130.00	3273320.00	37.19	37.19
DISCCART	401130.00	3273420.00	38.40	38.40
DISCCART	401130.00	3273520.00	37.39	37.39
DISCCART	401130.00	3273620.00	35.15	35.15
DISCCART	401130.00	3273720.00	33.22	33.22
DISCCART	401130.00	3273820.00	33.32	33.32
DISCCART	401130.00	3273920.00	34.54	34.54
DISCCART	401130.00	3274020.00	32.31	32.31
DISCCART	401130.00	3274120.00	28.35	28.35
DISCCART	401130.00	3274220.00	28.35	28.35
DISCCART	401130.00	3274320.00	28.35	28.35
DISCCART	401130.00	3274420.00	28.45	28.45
DISCCART	401130.00	3274520.00	31.39	31.39
DISCCART	401130.00	3274620.00	34.44	34.44
DISCCART	401130.00	3274720.00	38.10	38.10
DISCCART	401130.00	3274820.00	42.27	42.27
DISCCART	401130.00	3274920.00	46.02	46.02
DISCCART	401130.00	3275020.00	44.09	44.09
DISCCART	401130.00	3275120.00	40.64	40.64
DISCCART	401130.00	3275220.00	39.62	39.62
DISCCART	401130.00	3275320.00	36.98	36.98
DISCCART	401130.00	3275420.00	35.56	35.56
DISCCART	401130.00	3275520.00	35.97	35.97
DISCCART	401130.00	3275620.00	39.52	39.52
DISCCART	401130.00	3275720.00	43.38	43.38
DISCCART	401130.00	3275820.00	46.33	46.33
DISCCART	401230.00	3271820.00	25.30	25.30
DISCCART	401230.00	3271920.00	25.30	25.30
DISCCART	401230.00	3272020.00	25.30	25.30
DISCCART	401230.00	3272120.00	25.30	25.30
DISCCART	401230.00	3272220.00	25.30	25.30
DISCCART	401230.00	3272320.00	25.30	25.30
DISCCART	401230.00	3272420.00	25.89	25.89
DISCCART	401230.00	3272520.00	27.43	27.43
DISCCART	401230.00	3272620.00	26.28	26.28
DISCCART	401230.00	3272720.00	26.28	26.28
DISCCART	401230.00	3272820.00	26.01	26.01
DISCCART	401230.00	3272920.00	25.30	25.30
DISCCART	401230.00	3273020.00	25.30	25.30
DISCCART	401230.00	3273120.00	26.21	26.21
DISCCART	401230.00	3273220.00	32.45	32.45
DISCCART	401230.00	3273320.00	36.08	36.08
DISCCART	401230.00	3273420.00	36.68	36.68
DISCCART	401230.00	3273520.00	33.58	33.58
DISCCART	401230.00	3273620.00	31.81	31.81
DISCCART	401230.00	3273720.00	30.07	30.07
DISCCART	401230.00	3273820.00	29.75	29.75
DISCCART	401230.00	3273920.00	31.95	31.95
DISCCART	401230.00	3274020.00	32.92	32.92
DISCCART	401230.00	3274120.00	28.35	28.35
DISCCART	401230.00	3274220.00	28.35	28.35
DISCCART	401230.00	3274320.00	28.35	28.35
DISCCART	401230.00	3274420.00	28.35	28.35
DISCCART	401230.00	3274520.00	29.83	29.83
DISCCART	401230.00	3274620.00	36.07	36.07
DISCCART	401230.00	3274720.00	40.50	40.50
DISCCART	401230.00	3274820.00	42.77	42.77
DISCCART	401230.00	3274920.00	44.60	44.60
DISCCART	401230.00	3275020.00	44.97	44.97
DISCCART	401230.00	3275120.00	41.04	41.04
DISCCART	401230.00	3275220.00	34.04	34.04
DISCCART	401230.00	3275320.00	32.92	32.92
DISCCART	401230.00	3275420.00	32.92	32.92
DISCCART	401230.00	3275520.00	32.92	32.92
DISCCART	401230.00	3275620.00	37.67	37.67
DISCCART	401230.00	3275720.00	39.98	39.98
DISCCART	401230.00	3275820.00	41.55	41.55
DISCCART	401330.00	3271820.00	25.30	25.30
DISCCART	401330.00	3271920.00	25.30	25.30
DISCCART	401330.00	3272020.00	25.30	25.30
DISCCART	401330.00	3272120.00	25.30	25.30
DISCCART	401330.00	3272220.00	25.30	25.30
DISCCART	401330.00	3272320.00	25.30	25.30
DISCCART	401330.00	3272420.00	25.42	25.42
DISCCART	401330.00	3272520.00	26.72	26.72
DISCCART	401330.00	3272620.00	26.12	26.12
DISCCART	401330.00	3272720.00	28.39	28.39
DISCCART	401330.00	3272820.00	27.94	27.94
DISCCART	401330.00	3272920.00	26.21	26.21
DISCCART	401330.00	3273020.00	26.10	26.10
DISCCART	401330.00	3273120.00	31.29	31.29
DISCCART	401330.00	3273220.00	33.64	33.64
DISCCART	401330.00	3273320.00	34.53	34.53

DISCCART	401330.00	3273420.00	34.14	34.14
DISCCART	401330.00	3273520.00	31.03	31.03
DISCCART	401330.00	3273620.00	27.95	27.95
DISCCART	401330.00	3273720.00	26.82	26.82
DISCCART	401330.00	3273820.00	26.93	26.93
DISCCART	401330.00	3273920.00	28.94	28.94
DISCCART	401330.00	3274020.00	30.99	30.99
DISCCART	401330.00	3274120.00	29.65	29.65
DISCCART	401330.00	3274220.00	28.35	28.35
DISCCART	401330.00	3274320.00	28.35	28.35
DISCCART	401330.00	3274420.00	28.35	28.35
DISCCART	401330.00	3274520.00	30.19	30.19
DISCCART	401330.00	3274620.00	35.05	35.05
DISCCART	401330.00	3274720.00	38.79	38.79
DISCCART	401330.00	3274820.00	38.75	38.75
DISCCART	401330.00	3274920.00	37.19	42.37
DISCCART	401330.00	3275020.00	39.99	39.99
DISCCART	401330.00	3275120.00	38.22	38.22
DISCCART	401330.00	3275220.00	34.34	34.34
DISCCART	401330.00	3275320.00	32.92	32.92
DISCCART	401330.00	3275420.00	32.92	32.92
DISCCART	401330.00	3275520.00	32.92	32.92
DISCCART	401330.00	3275620.00	33.51	33.51
DISCCART	401330.00	3275720.00	36.13	36.13
DISCCART	401330.00	3275820.00	38.30	38.30
DISCCART	401430.00	3271820.00	25.20	25.20
DISCCART	401430.00	3271920.00	25.30	25.30
DISCCART	401430.00	3272020.00	25.30	25.30
DISCCART	401430.00	3272120.00	25.30	25.30
DISCCART	401430.00	3272220.00	25.30	25.30
DISCCART	401430.00	3272320.00	25.30	25.30
DISCCART	401430.00	3272420.00	27.53	27.53
DISCCART	401430.00	3272520.00	27.43	27.43
DISCCART	401430.00	3272620.00	27.84	27.84
DISCCART	401430.00	3272720.00	27.94	27.94
DISCCART	401430.00	3272820.00	26.21	26.21
DISCCART	401430.00	3272920.00	28.65	28.65
DISCCART	401430.00	3273020.00	32.00	32.00
DISCCART	401430.00	3273120.00	34.14	34.14
DISCCART	401430.00	3273220.00	36.58	36.58
DISCCART	401430.00	3273320.00	36.07	36.07
DISCCART	401430.00	3273420.00	32.31	32.31
DISCCART	401430.00	3273520.00	29.16	29.16
DISCCART	401430.00	3273620.00	26.82	26.82
DISCCART	401430.00	3273720.00	26.82	26.82
DISCCART	401430.00	3273820.00	26.82	26.82
DISCCART	401430.00	3273920.00	26.82	26.82
DISCCART	401430.00	3274020.00	30.48	30.48
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


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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
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** AERMOD Meteorology Pathway
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PROFFILE ..AERMET\GNVJAX01.PFL
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UAIRDATA 13889 2001 JACKSONVILLE/INTL_ARPT
PROFBASE 123 FEET
** FINISHED
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** AERMOD Output Pathway
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** STARTING
PLOTFILE PERIOD ALL HAFLBMAC.P01
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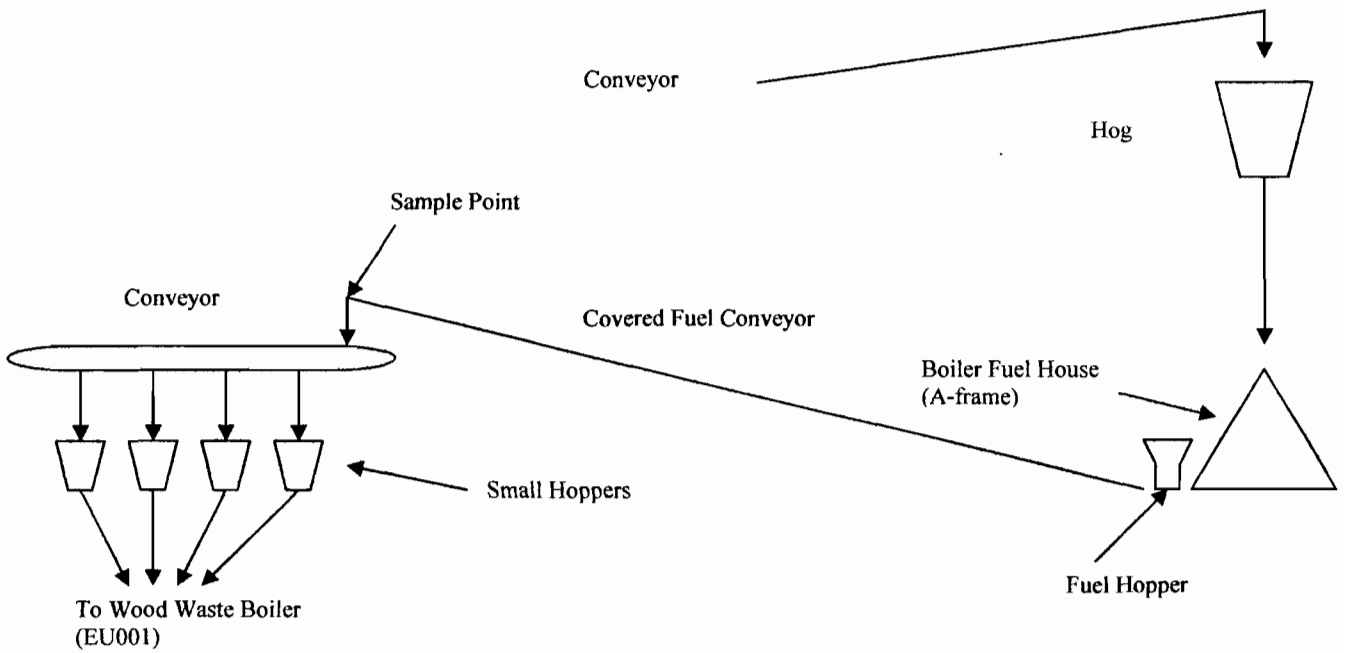
ATTACHMENT 2

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
 from Carmine Perri location/facility code GA029-17
 Mike Rehwinkel GA029-17
 subject 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:

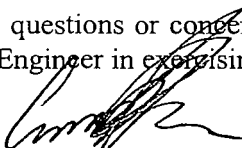
(1) For a corporation: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a ***duly authorized representative of such person if the representative 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.

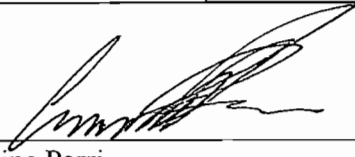
To be signed by a "responsible official" or "duly authorized representative". As responsible official or duly authorized representative, the Plant Manager and other members of my staff listed herein, are expected to consult with the assigned Division/Group Environmental Manager and/or the assigned corporate 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)

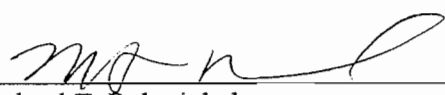
FACILITY	LOCATION	PLANT MANAGER
Jarratt, VA	116 S. Allen Road, Jarratt, VA 23687	Mike Jones
Monticello, GA	791 Georgia-Pacific Road, Monticello, GA 31064	Tim Mackinem
Phillips, WI	Highway 13, Phillips, WI 54555	Dean Grube
Savannah, GA	Old Louisville Road, Savannah, GA 31498	Dade Pendergraft

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	ACIB	NA

Application Processing Fee

Check one: Attached - Amount: \$ _____ Not Applicable

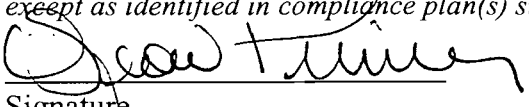
Owner/Authorized Representative Statement

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 <u>1-17-07</u> 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, the undersigned, 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 , 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 , 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 , 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 , 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.

Margarete M. Vest _____
Signature #42794 / 1-17-07
Georgia-Pacific LLC
(see) PO Box 919, Palatka, FL

_____ 1-17-07
Date