

# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

David B. Struhs  
Secretary

March 8, 2001

Mr. Don Kelly  
Plant Manager  
Southdown, Inc.  
P.O. Box 6  
Brooksville, FL 34605-0006

Re: Construction Permit Modification: 0530010-003-AC/PSD-FL-233; AC27-258567; AC27-191616;  
AC27-258566; AC27-258568; AC27-258575; AC27-258576; 0530010-004-AC; AC27-258574  
DRAFT Revision to Title V Permit No.: 0530010-002-AV  
DEP Project Nos.: 0530010-005-AC and 0530010-006-AV  
Brooksville Plant

Dear Mr. Kelly:

One copy of the combined DRAFT Construction Permit Modification/DRAFT Revision to the Title V Air Operation Permit for the Brooksville Plant located at 1630 Ponce De Leon Blvd., Brooksville, Hernando County is enclosed. The permitting authority's "INTENT TO ISSUE PERMIT MODIFICATION/REVISION TO TITLE V AIR OPERATION PERMIT" and the "PUBLIC NOTICE OF INTENT TO ISSUE PERMIT MODIFICATION/REVISION TO TITLE V AIR OPERATION PERMIT" are also included.

An electronic version of the above documents is posted on the Division of Air Resources Management's web site for the U.S. Environmental Protection Agency (US EPA) Region 4 office's review. The web site is <http://www.dep.state.fl.us/air>.

The "PUBLIC NOTICE OF INTENT TO ISSUE PERMIT MODIFICATION/REVISION TO TITLE V AIR OPERATION PERMIT" must be published as soon as possible upon receipt of this letter, in the legal advertisement section of a newspaper of general circulation in the area affected, pursuant to the requirements of Chapter 50, Florida Statutes. Proof of publication, i.e., newspaper affidavit, must be provided to the permitting authority's office within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

Please submit any written comments you wish to have considered concerning the permitting authority's proposed action to Gerald Kissel, P.E. at the above letterhead address. If you have any other questions, please contact Ann Quillian, P.E. at (813) 744-6100 x117.

**RECEIVED**

MAR 12 2001

BUREAU OF AIR REGULATION

Sincerely,

W.C. Thomas, P.E.  
District Air Program Administrator  
Southwest District

/aq

Enclosures

[electronic filename: 0530010i.rsv]

Protect, Conserve and Manage Florida's Environment and Natural Resources"

In the Matter of an  
Application for Permit Revision by:

Mr. Don Kelly  
Plant Manager  
Southdown, Inc.  
P.O. Box 6  
Brooksville, FL 34605-0006

Permit Modification to 0530010-003-AC/PSD-FL-233,  
AC27-258567, AC27-191616, AC27-258566,  
AC27-258568, AC27-258575, AC27-258576,  
0530010-004-AC, AC27-258574  
(DEP Project No. -005) and  
DRAFT Revision to Title V Permit No.:  
0530010-002-AV  
(DEP Project No. -006)

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**INTENT TO ISSUE PERMIT MODIFICATION/REVISION TO TITLE V AIR  
OPERATION PERMIT**

The Florida Department of Environmental Protection (permitting authority) gives notice of its intent to issue a combined Construction Permit Modification/Revision to the Title V air operation permit (copy of DRAFT Revision to Title V Permit attached) for the Title V source detailed in the application specified above, for the reasons stated below.

The applicant, Southdown, Inc., applied on September 14, 2000, to the permitting authority to modify several construction permits as well as revise the Title V air operation permit, 0530010-002-AV, for the Brooksville Plant located at 1630 Ponce De Leon Blvd., Brooksville, Hernando County. This construction permit modification/Title V permit revision (DEP Project Nos. 0530010-005-AC and 0530010-006-AV) changes the operating rates and operating hours of various emission units to be equivalent to the existing operating rates and hours of the two kilns.

The permitting authority has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-213. The above action is not exempt from permitting procedures. The permitting authority has determined that a construction permit modification/revision to the Title V air operation permit is required.

The permitting authority intends to issue this permit modification/revision to the Title V air operation permit based on the belief that reasonable assurances have been provided to indicate that this proposed project and operation of the source will not adversely impact air quality, and the source will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-256, 62-257, 62-281, 62-296, and 62-297, F.A.C and 40 CFR 52.21.

Pursuant to Sections 403.815 and 403.087, F.S., and Rules 62-110.106 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed "**PUBLIC NOTICE OF INTENT TO ISSUE PERMIT MODIFICATION/REVISION TO TITLE V AIR OPERATION PERMIT.**" The notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.016(7)(b), F.A.C., requires that the applicant cause the notice to be published as soon as possible after notification by the permitting authority of its intended action.

Permit Modification to  
0530010-003-AC/PSD-FL-233,AC27-258567, AC27-191616, AC27-258566,AC27-258568,  
AC27-258575, AC27-258576, 0530010-004-AC, AC27-258574  
(DEP Project No. -005) and  
DRAFT Revision to Title V Permit No.: 0530010-002-AV  
(DEP Project No. -006)

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For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the permitting authority at the address or telephone number listed below. The applicant shall provide proof of publication to the permitting authority's office, Florida Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, FL 33619, Telephone: 813/744-6100; Fax: 813/744-6458, within 7 (seven) days of publication, pursuant to Rule 62-110.106(5), F.A.C. No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in Section 50.051, F.S. to the office of the permitting authority issuing the permit. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit pursuant to Rule 62-110.106, F.A.C.

The permitting authority will issue the FINAL Construction Permit Modification/PROPOSED Revision to the Title V Permit, and subsequent FINAL Revision to the Title V Permit, in accordance with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed construction permit modification issuance action for a period of 14 (fourteen) days and the Draft Revision to the Title V Permit for a period of 30 (thirty) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE REVISION TO TITLE V AIR OPERATION PERMIT." Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the permitting authority shall issue a Revised DRAFT Construction Permit Modification/DRAFT Revision to the Title V Permit and require, if applicable, another Public Notice.

The permitting authority will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, FL 32399-3000, Telephone 850/488-9730, Fax:

Permit Modification to  
0530010-003-AC/PSD-FL-233, AC27-258567, AC27-191616, AC27-258566, AC27-258568,  
AC27-258575, AC27-258576, 0530010-004-AC, AC27-258574  
(DEP Project No. -005) and  
DRAFT Revision to Title V Permit No.: 0530010-002-AV  
(DEP Project No. -006)

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850/487-4938. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

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

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

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

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be

Permit Modification to  
0530010-003-AC/PSD-FL-233,AC27-258567, AC27-191616, AC27-258566,AC27-258568,  
AC27-258575, AC27-258576, 0530010-004-AC, AC27-258574  
(DEP Project No. -005) and  
DRAFT Revision to Title V Permit No.: 0530010-002-AV  
(DEP Project No. -006)

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affected by any such final decision of the permitting authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation will not be available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

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

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

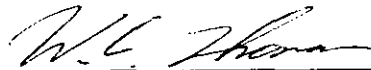
Permit Modification to  
0530010-003-AC/PSD-FL-233, AC27-258567, AC27-191616, AC27-258566, AC27-258568,  
AC27-258575, AC27-258576, 0530010-004-AC, AC27-258574  
(DEP Project No. -005) and  
DRAFT Revision to Title V Permit No.: 0530010-002-AV  
(DEP Project No. -006)

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Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



W.C. Thomas, P.E.

Director Air Program Administrator  
Southwest District

Permit Modification to  
0530010-003-AC/PSD-FL-233, AC27-258567, AC27-191616, AC27-258566, AC27-258568,  
AC27-258575, AC27-258576, 0530010-004-AC, AC27-258574  
(DEP Project No. -005) and  
DRAFT Revision to Title V Permit No.: 0530010-002-AV  
(DEP Project No. -006)

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**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE PERMIT MODIFICATION/REVISION TO TITLE V AIR OPERATION PERMIT (including the PUBLIC NOTICE and the DRAFT Permit Modification/Title V. Revision) was sent by certified mail (\*) before the close of business on MAR 08 2001 to the person(s) listed:

Mr. Don Kelly, Plant Manager \*

In addition, the undersigned duly designated deputy agency clerk hereby certifies that copies of this INTENT TO ISSUE PERMIT MODIFICATION/REVISION TO TITLE V AIR OPERATION PERMIT (including the PUBLIC NOTICE and the DRAFT permit) were sent by U.S. mail or by electronic mail on the same date to the person(s) listed or as otherwise noted:

Mr. Steven C. Cullen, P.E., Koogler & Associates  
Mr. A.A. Linero, P.E., Bureau of Air Regulation, NSR  
Mr. Gregg Worley, USEPA, Region 4 (INTERNET E-mail Memorandum)  
Ms. Gracy Danois, U.S. EPA, Region 4 (INTERNET E-mail Memorandum)  
Ms. Barbara Boutwell, Bureau of Air Regulation (e-mailed by permit engineer)  
Ms. Mary Fillingim, Bureau of Air Regulation (e-mailed by permit engineer)

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency Clerk, receipt of which is hereby acknowledged.

  
(Clerk)

MAR 08 2001  
(Date)

**PUBLIC NOTICE OF INTENT TO ISSUE PERMIT MODIFICATION/REVISION TO TITLE V AIR  
OPERATION PERMIT**

Florida Department of Environmental Protection

Permit Modification to Permit Nos.: 0530010-003-AC/PSD-FL-233, AC27-258567,  
AC27-191616, AC27-258566, AC27-258568, AC27-258575,  
AC27-258576, 0530010-004-AC, AC27-258574  
(DEP Project No. -005)

and

DRAFT Revision to Title V Permit No.: 0530010-002-AV  
(DEP Project No. -006)

The Florida Department of Environmental Protection (permitting authority) gives notice of its intent to issue a Construction Permit Modification/Revision to Title V air operation permit for the Brooksville Plant located at 1630 Ponce De Leon Blvd., Brooksville, Hernando County. This construction permit modification/Title V permit revision changes the operating rates and operating hours of various emissions units to be equivalent to the existing operating rates and hours of the two kilns. The applicant's name and address are: Southdown, Inc., P.O. Box 6, Brooksville, FL 34605-0006, Attn: Mr. Don Kelly, Plant Manager.

The permitting authority will issue the Final Construction Permit Modification/PROPOSED Revision to the Title V Permit, and subsequent FINAL Revision to the Title V Permit, with the proposed changes to the permit conditions and in accordance with the conditions of the DRAFT Revision to the Title V Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days for the construction permit modifications and for a period of 30 (thirty) days for the DRAFT Revision to the Title V Permit issuance action from the date of publication of this Public Notice of Intent to Issue Permit Modification/Revision to Title V Air Operation Permit. Written comments should be provided to the permitting authority's office, Florida Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, FL 33619. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this proposed agency action and DRAFT Revision to the Title V Permit, the permitting authority shall revise the proposed permits and require, if applicable, another Public Notice.

The permitting authority will issue the permits with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below. Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Sections 120.569 and 120.57 of the Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, FL 32399-3000, Telephone 850/488-9730, Fax: 850/487-4938. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of the notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the applicable time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code (F.A.C.).

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



(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address and telephone number of the petitioner; name address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how petitioner's substantial rights will be affected by the agency determination;

(c) A statement of how and when the petitioner received notice of the agency action or proposed action;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so state;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's action, as well as the rules and statutes which entitle the petitioner to relief;

(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and,

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

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

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

Mediation is not available for this proceeding.

The following paragraph applies to the Revised Title V Air Operation Permit:

In addition to the above, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Permitting Authority:

Florida Department of Environmental Protection  
Southwest District  
8407 Laurel Fair Circle  
Tampa, FL 33610  
Telephone: 813/ 744-6100  
Fax: 813/744-6458

The complete project file includes the Draft Construction Permit Modification/DRAFT Revision to the Title V Permit, the application, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Gerald Kissel, P.E., at the above address, or call 813/744-6100, for additional information.



# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

David B. Struhs  
Secretary

**DRAFT**

PERMITTEE:  
Southdown, Inc.  
P.O. Box 6  
Brooksville, FL 34605-0006

Permit No.: 0530010-005-AC  
County: Hernando  
Effective Date:  
Expiration Date:  
Project: Increase Operating Rates and  
Times to be Equivalent with Kilns

This Construction Permit Modification (DEP Project No. 0530010-005-AC) affects permits: 0530010-003-AC/PSD-FL-233; AC27-258567; AC27-191616; AC27-258566; AC27-258568; AC27-258575; AC27-258576; 0530010-004-AC; AC27-258574. This copy of the Construction Permit Modification includes only the conditions changed. All other conditions of these permits still apply.

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

For the increase in operating hours and rates for various emissions units to be equivalent to the current operating hours and rates of Kilns No. 1 and No. 2. This construction permit modification also address the moisture content regarding unconfined particulate matter.

Location: 1630 Ponce DeLeon Blvd., Brooksville, Hernando

UTM: 17-356.9E 3169.0N

Facility ID: 0530010

Emission Unit IDs : -002 No. 1 Kiln Feed System  
-003 Cement Kiln No. 1  
-004 Cement Kiln Clinker Cooler No. 1  
-006 Clinker Storage Silo Nos. 1 and 2  
-012 Kiln No.2 Blending Silo [No. 5 Blending Silo]  
-013 No. 2 Kiln Feed System

[0530010-005.pmt]

"More Protection, Less Process"

Printed on recycled paper.

Permit Modification to

0530010-003-AC/PSD-FL-233, AC27-258567, AC27-191616, AC27-258566, AC27-258568, AC27-258575, AC27-258576, 0530010-004-AC, AC27-258574

(DEP Project No. 0530010-005-AC)

Southdown, Inc.

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**DRAFT**

- 014 Cement Kiln No. 2
- 015 Cement Kiln Clinker Cooler No. 2
- 016 Clinker silo No. 3
- 017 Clinker/Gypsum Transfer Belt
- 018 Finish Mill No. 3 Clinker/Gypsum Day Tank
- 019 Finish Mill No. 3
- 021 Cement Silos Nos. 7 & 8
- 022 Masonry Silo .
- 023 Truck Loadout System
- 024 Raw Material Pre-Mix Bin

NOTE: Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.

Modifies Permit Nos.: 0530010-003-AC/PSD-FL-233; AC27-258567; AC27-191616; AC27-258566; AC27-258568; AC27-258575; AC27-258576; 0530010-004-AC; AC27-258574.

Changes to these permits are indicated below in underline and ~~striketrough~~ format.

Permit Modification to  
0530010-003-AC/PSD-FL-233, AC27-258567, AC27-191616, AC27-258566, AC27-258568, AC27-  
258575, AC27-258576, 0530010-004-AC, AC27-258574  
(DEP Project No. 0530010-005-AC)  
Southdown, Inc.  
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**DRAFT**

**PERMIT No.: 0530010-003-AC/PSD-FL-233**

**Emission Unit Nos.:** -003 Cement Kiln No. 1  
-004 Cement Kiln Clinker Cooler No. 1  
-014 Cement Kiln No. 2  
-015 Cement Kiln Clinker Cooler No. 2

Specific Condition 2.2 is hereby changed to remove the specific moisture content. The permittee is still required to comply with requirements to prevent emissions of unconfined particulate matter.

**2.2 Unconfined Emissions of Particulate Matter [Rule 62-296.320(4)(c), F.A.C.]**

(a.) The owner or operators shall not cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any source whatsoever, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrially related activities such as loading, unloading, storing or handling, without taking reasonable precautions to prevent such emission.

(b.) Reasonable precautions shall include as a minimum the following:

- All permanent haul roads shall be paved.
- Temporary haul roads shall be watered or treated with chemical dust suppressants at regular intervals.
- Dry materials (~~moisture content < 14%~~) shall be stored below grade, in silos, or in enclosed structures.
- Coal or other material stored at or above natural grade shall be compacted, turned and/or watered as necessary to prevent wind-borne fugitive emissions ~~maintain a minimum 8% moisture content in the surface layer~~, and shall be aligned with the predominant wind direction to minimize wind erosion.
- Abandoned haul roads and other disturbed areas shall be revegetated within 60 days of the date that active service of the road ends.
- All cement products shall be transferred to transport trucks with a sealed pneumatic conveying system that is either a closed system or exhausted through a bag filter.

***NOTE:** Facilities that cause frequent, valid complaints may be required by the Southwest District office in Tampa to take these or other reasonable precautions. In determining what constitutes reasonable precautions for a particular source, the Department shall consider the cost of the control technique or work practice, the environmental impacts of the technique or practice, and the degree of reduction of emissions expected from a particular technique or practice.*

Permit Modification to  
0530010-003-AC/PSD-FL-233, AC27-258567, AC27-191616, AC27-258566, AC27-258568, AC27-  
258575, AC27-258576, 0530010-004-AC, AC27-258574  
(DEP Project No. 0530010-005-AC)  
Southdown, Inc.  
Page 4 of 7

**DRAFT**

**PERMIT No.: AC27-258567**  
**Emission Unit No.: -002 No. 1 Kiln Feed System**

Specific Condition 3 is hereby changed to reflect the maximum hourly feed rate similar to Kiln Nos. 1 and 2:

3. The total rate of transfer of kiln feed material from the No. 1 Kiln Feed Silos to the No. 1 Kiln Feed Surge Bin shall not exceed 150 ~~145~~ tons per hour, based upon a 30 ~~operational~~ calendar-day rolling average. Maximum hourly material transfer rate is 165 tons/hour. [Construction Permit Modification Application dated July 24, 2000, Construction Permit No. AC27-191612, Amendment Request of September 26, 1994, and Dr. John Koogler's letter of November 22, 1994]

**PERMIT No.: AC27-191616**  
**Emission Unit No.: -006 Clinker Storage Silo Nos. 1 and 2**

Specific Condition 2 is hereby changed to reflect the maximum hourly feed rate equivalent to the BACT analysis indicated in permit 0530010-003-AC/PSD-FL-233.

2. The F-31/Clinker Storage Silo feed rate shall not exceed 90 ~~84~~ tons/hour. [Construction permit modification application dated July 24, 2000]

**PERMIT No.: AC27-258566**  
**Emission Unit No.: -012 Kiln No.2 Blending Silo [No. 5 Blending Silo]**

Specific Conditions 2 and 3 are hereby changed to reflect the maximum hourly feed rate equivalent to maximum for Kilns Nos. 1 and 2.

2. The rate of transfer of raw material to the No. 5 Blending Silo (Kiln No. 2 Blending Silo) shall not exceed 165 ~~160~~ tons per hour [Construction permit modification application dated July 24, 2000 Permit No. AC27-185902]
3. The operation of No. 5 Blending Silo (Kiln No. 2 Blending Silo) shall not exceed 8,760 ~~8,200~~ hours per year. [Construction permit modification application dated July 24, 2000 Permit No. AC27-185902]

Permit Modification to  
0530010-003-AC/PSD-FL-233, AC27-258567, AC27-191616, AC27-258566, AC27-258568, AC27-  
258575, AC27-258576, 0530010-004-AC, AC27-258574  
(DEP Project No. 0530010-005-AC)  
Southdown, Inc.  
Page 5 of 7

**DRAFT**

**PERMIT No.: AC27-258568**  
**Emission Unit No.: -013 No. 2 Kiln Feed System**

Specific Conditions 3 and 4 are hereby changed to reflect the maximum hourly feed rate equivalent to maximum for Kilns Nos. 1 and 2.

3. The rate of transfer of kiln feed material from the No. 2 Kiln Feed Silo shall not exceed 150 ~~145~~ tons per hour based upon a rolling 30 ~~operational~~ calendar-day average. Maximum hourly rate is 165 tons per hour. [Construction permit modification application dated July 24, 2000; Permit No. AO27-194667, Amendment Request of September 26, 1994, and Dr. John Koogler's letter of November 22, 1994]
4. The operation of the No. 2 Kiln Feed System shall not exceed 8,760 ~~8,200~~ hours per year. [Construction permit modification application dated July 24, 2000; Permit No. AO27-194667]

**PERMIT No.: AC27-258575**  
**Emission Unit No.:** -016 Clinker silo No. 3  
-017 Clinker/Gypsum Transfer Belt  
-018 Finish Mill No. 3 Clinker/Gypsum Day Tank

Specific Condition 2 is hereby changed to reflect the maximum hourly feed rate equivalent to the BACT analysis indicated in permit 0530010-003-AC/PSD-FL-233. Specific Condition 3 is hereby changed to reflect the operating hours equivalent to those of Kilns Nos. 1 and 2.

2. The hourly clinker silo loading rate shall not exceed 90 ~~84~~ tons per hour. The 30 day rolling average for the clinker/gypsum handling system transfer rate shall not exceed 112 tons per hour, and shall be calculated using operating days only. The clinker hourly transfer rate is never to exceed 150 tons per hour and the gypsum hourly transfer rate is never to exceed 60 tons per hour. [Construction permit modification application dated July 24, 2000; Permit No. AC27-185898]
3. The operation of the clinker silo, clinker transfer system, and No. 3 Finish Mill Day Tank shall not exceed 8,760 ~~8,200~~ hours per year. [Construction permit modification application dated July 24, 2000; Amendment request of September 29, 1994]

Permit Modification to  
0530010-003-AC/PSD-FL-233, AC27-258567, AC27-191616, AC27-258566, AC27-258568, AC27-  
258575, AC27-258576, 0530010-004-AC, AC27-258574  
(DEP Project No. 0530010-005-AC)  
Southdown, Inc.  
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**DRAFT**

**PERMIT No.: AC27-258576**  
**Emission Unit No.: -019 Finish Mill No. 3**

Specific Condition 3 is hereby changed to reflect the operating hours equivalent to those of Kilns Nos. 1 and 2.

3. The operation of the Finish Mill No. 3 shall not exceed 8,760 ~~8,200~~ hours per year.  
[Construction permit modification application dated July 24, 2000 Amendment request of September 29, 1994]

**PERMIT No.: 0530010-004-AC**  
**Emission Unit No.:** -021 Cement Silos Nos. 7 & 8  
-022 Masonry Silo  
-023 Truck Loadout System

Specific Condition 5 is hereby changed to reflect the operating hours equivalent to those of Kilns Nos. 1 and 2.

5. Hours of Operation.

- ~~A. The maximum combined total cement loading time for Cement Storage Silo Nos. 7 & 8, shall not exceed 8,200 hours per calendar year.~~  
~~B. The maximum cement loading time for the Masonry Cement Storage silo shall not exceed 7,500 hours per calendar year.~~  
~~C. The maximum combined total cement loading time for all the activities associated with the Side No. 2 Truck Loadout System shall not exceed 7,500 hours per calendar year. (This requirement is equivalent to maximum total time of 7,500 hours per calendar year that the baghouse is controlling emissions when loading cement.)~~

The maximum combined total cement loading time for Cement Storage Silo Nos. 7 and 8, maximum cement loading time for the Masonry Cement Storage Silo, and the maximum combined total cement loading time for all the activities associated with the Side No. 2 Truck Loadout System shall not exceed 8,760 hours per year.

[Construction permit modification application dated July 24, 2000 AC27-258577]

Permit Modification to  
0530010-003-AC/PSD-FL-233, AC27-258567, AC27-191616, AC27-258566, AC27-258568, AC27-  
258575, AC27-258576, 0530010-004-AC, AC27-258574  
(DEP Project No. 0530010-005-AC)  
Southdown, Inc.  
Page 7 of 7

**DRAFT**

**PERMIT No.: AC27-258574**  
**Emission Unit No.: -024 Raw Material Pre-Mix Bin**

Specific Condition 2 is hereby changed to reflect the operating rates as associated with the Kilns Nos. 1 and 2 in permit 0530010-003-AC/PSD-FL-233.

2. The rate of transfer of raw material to the Raw Material Pre-Mix Bins and material handling system shall not exceed ~~330~~ ~~290~~ tons per hour (one-hour maximum) nor 300 tons per hour (rolling 30-calendar day average). [Construction permit modification application dated July 24, 2000 Permit No. AC27-185905]

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

\_\_\_\_\_  
W.C. Thomas, P.E.  
District Air Program Administrator



**DRAFT**

ATTACHMENT - GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes (F.S.). The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. Not applicable to Air Permits.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
  - a. Have access to and copy any records that must be kept under conditions of the permit;

**DRAFT**

GENERAL CONDITIONS:

- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonable necessary to assure compliance with this permit or Department rules.

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

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

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to educe, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

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

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

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

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

**DRAFT**

GENERAL CONDITIONS:

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the dates analyses were performed;
4. the person responsible for performing the analyses;
5. the analytical techniques or methods used;
6. the results of such analyses.

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

16. Not applicable to Air Permits.

17. Not applicable to Air Permits.

Southdown, Inc.  
Brooksville Plant  
**Facility ID No.:** 0530010  
Hernando County

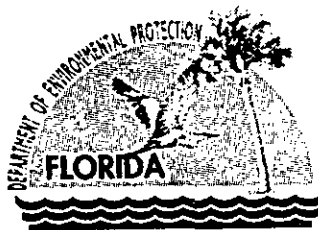
Initial Title V Air Operation Permit  
**Title V Permit No.:** 0530010-002-AV  
**DRAFT Revision to Title V Permit**  
**(DEP Project No. -006)**

Permitting Authority:  
Florida Department of Environmental Protection  
Southwest District  
3804 Coconut Palm Drive  
Tampa, FL 33619  
Telephone: 813/744-6100  
Fax: 813/744-6458

Initial Title V Air Operation Permit  
Title V Permit No.: 0530010-002-AV  
DRAFT Revision to Title V Permit  
(DEP Project No. -006)

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Jeb Bush  
Governor

# Department of Environmental Protection

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

David B. Struhs  
Secretary

**Permittee:**  
Southdown, Inc.

**Title V Permit No.:** 0530010-002-AV  
**DEP Project No.:** -006  
**Facility ID No.:** 0530010  
**SIC Nos.:** 32, 3241  
**Project:** Revision to Title V Air Operation Permit

**Note:** This DRAFT Revision to the Title V Operation Permit (DEP Project No. 006) is for the increase in operating hours and rates for various emissions units to be equivalent to the current operating hours and rates of Kilns No. 1 and No. 2. Also, this permit revision addresses the moisture content regarding unconfined particulate matter.

This copy of the DRAFT Revision to the Title V Permit only includes the conditions changed. All other conditions in the Title V Permit, 0530010-002-AV, as well as any administrative corrections or Title V permit revisions prior to this effective date still apply.

This DRAFT Revision to the Title V Permit is for the operation of the Brooksville Cement Manufacturing Plant. This facility is located at 1630 Ponce De Leon Blvd., Brooksville, Hernando County; UTM Coordinates: Zone 17, 356.90 km East and 3169.00 km North; Latitude: 28° 38' 34" North and Longitude: 82° 28' 25" West.

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

**Effective Date of Revision:**

**Effective Date:** September 14, 2000

**Renewal Application Due Date:** March 18, 2005

**Expiration Date:** September 14, 2005

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

---

W.C. Thomas, P.E.  
District Air Program Administrator  
Southwest District

/aq

"More Protection, Less Process"

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## Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

6. a. The owner or operators shall not cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any source whatsoever, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrially related activities such as loading, unloading, storing or handling, without taking reasonable precautions to prevent such emission.

b. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility shall include as a minimum the following:

- 1) All permanent haul roads shall be paved.
- 2) Temporary haul roads shall be watered or treated with chemical dust suppressants at regular intervals.
- 3) Dry materials (~~moisture content < 14%~~) shall be stored below grade, in silos, or in enclosed structures.
- 4) Coal or other material stored at or above natural grade shall be compacted, turned and/or watered as necessary to prevent wind-borne fugitive emissions ~~maintain a minimum 8% moisture content in the surface layer~~, and shall be aligned with the predominant wind direction to minimize wind erosion.
- 5) Abandoned haul roads and other disturbed areas shall be revegetated within 60 days of the date that active service of the road ends.
- 6) All cement products shall be transferred to transport trucks with a sealed pneumatic conveying system which is either a closed system or exhausted through a bag filter.

[Rule 62-296.320(4)(c), F.A.C.; Proposed by applicant in the initial Title V permit application received June 13, 1996; Construction permit modification/Title V permit revision application dated July 24, 2000 (DEP Project Nos. 0530010-005-AC/0530010-006-AV)]

~~{Permitting Note: See Condition 29 regarding any recordkeeping requirements.}~~

~~29. The moisture content of each load of dry material and coal received at this facility shall be measured and recorded to ensure that the conditions 6.b.3. and 6.b.4. are met. If the moisture content is below the minimum moisture content, then the permittee shall take corrective action to bring the moisture content above the minimum. Records of the moisture content for each load of dry material and coal shall be maintained at the facility and be available for Department inspection. These records shall include at a minimum the load identifier, material (e.g. coal or fly ash) stored, moisture content, date load received, date moisture content measured, corrective action if below minimum, and moisture content measured after corrective action has been taken.~~

~~[Rule 62-4.070(3), F.A.C.]~~

## Section III. Emissions Unit(s) and Conditions.

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

### E.U.

<u>ID No.</u>	<u>Brief Description</u>
-002	No. 1 Kiln Feed System

**Essential Potential to Emit (PTE) Parameters**

**A.1 Capacity.** The total rate of transfer of kiln feed material from the No. 1 Kiln Feed Silos to the No. 1 Kiln Feed Surge Bin shall not exceed ~~150~~ ~~145~~ tons per hour, based upon a 30 ~~calendar~~ ~~operational~~-day rolling average. Maximum hourly material transfer rate is 165 tons/hour. [Air Construction Permit AC27-191612, Amendment Request of September 26, 1994, and Dr. John Koogler's letter of November 22, 1994, Construction permit modification/Title V permit revision application dated July 24, 2000 (DEP Project Nos. 0530010-005-AC/0530010-006-AV)]

**A.9.** Testing of emissions must be conducted within 90-100% of the maximum hourly throughput attained within the 30 ~~calendar~~ ~~operational~~-days prior to the test date, or ~~150~~ ~~145~~ tons/hour, whichever is greater. A compliance test submitted at a rate less than 90% of ~~150~~ ~~145~~ tons/hour will automatically constitute an amended permit rate at that lesser rate plus 10%. (Reference Condition No. 16, pg. 7 of 10) The test results shall be submitted to the Southwest District Office of the Department within 45 days of testing. Acceptance of the test by the Department will automatically constitute an amended permit at the higher tested rate plus 10%, but in no case shall the maximum permitted rate of ~~150~~ ~~145~~ tons/hour, based upon a 30 ~~calendar~~ ~~operational~~-rolling average, be exceeded. Failure to submit records of the production rate during the test period, and for the 30 ~~calendar~~ ~~operational~~-days prior to the test period, along with the test report may invalidate the test and fail to provide reasonable assurance of compliance. [Rule 62-297.310(2), F.A.C.]

**A.12.** In order to document compliance with the rate limitation of Condition A.1, the permittee shall maintain daily records of the amount of product processed and the total hours of process operations. These records shall also include the transfer rate in tons per hour on a 30 ~~calendar~~ ~~operational~~-day rolling average as well as the maximum tons per hour for the day. Documentation as to how daily production rates were calculated shall be included as part of the records. [Rule 62-213.440(1), F.A.C.]

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

**E.U.**

**ID No.    Brief Description**

-006      Clinker Storage Silo Nos. 1 and 2 (Baghouse F-31)

Clinker Storage Silo Nos. 1 and 2 are used to store clinker from No. 1 Clinker Cooler. Clinker is transferred by an inclined bucket elevator from No. 1 Clinker Cooler to Clinker Silos Nos. 1 and 2 at a maximum silo loading rate of ~~90~~ ~~84~~ tons per hour. Particulate emissions are controlled by the following baghouse:

**Baghouse Description**

Western Precipitation Pulse Flow Baghouse

**Baghouse ID**

F-31



{Permitting note(s): This emissions unit is regulated under NSPS – 40 CFR 60, Subpart F, Standards of Performance for Portland Cement Plants, adopted and incorporated by reference in Rule 62-204.800(7)(b)9., F.A.C.; Rule 62-296.407, F.A.C., Portland Cement Plants; Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards.}

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

**Essential Potential to Emit (PTE) Parameters**

**D.1. Capacity.** The clinker silo loading rate shall not exceed 90 84 tons per hour (daily average basis).

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Air Construction Permit AC27-191616; Construction permit modification/Title V permit revision application dated July 24, 2000 (DEP Project Nos. 0530010-005-AC/0530010-006-AV)]

**Recordkeeping and Reporting Requirements**

**D.10.** The permittee shall maintain a daily record of the ~~Clinker production~~ and Clinker Silo loading rates. This daily log shall be maintained at the facility and shall be made available to the Department upon request. Documentation as to how daily material transfer rates were calculated shall be included as part of the records.

[Rules 62-204.800(7)(b)9 and 62-4.070(3), F.A.C.]

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

**E.U.**

**ID No. Brief Description**

-012 Kiln No. 2 Blending Silo [No. 5 Blending Silo] (Baghouse G-11)

The No. 5 Blending Silo blends raw materials to be used in the No. 2 cement kiln. The No. 5 Blending Silo can also be fed from No. 1 (North and & South) Kiln Feed Silos controlled by baghouses F-17 and E-36. Raw material is transferred pneumatically from the No. 2 Raw Mill to the No. 5 Blending Silo at a maximum transfer rate of 165 160 tons per hour. Particulate emissions are controlled by the following baghouse:

<u>Source</u>	<u>Baghouse Description</u>	<u>Baghouse ID</u>	<u>Design ACFM</u>
No. 5 Blending Silo	Flex Kleen Model 100 WMW-300	G-11	23,000

{Permitting note(s): This emissions unit is regulated under NSPS – 40 CFR 60, Subpart F, Standards of Performance for Portland Cement Plants, adopted and incorporated by reference in Rule 62-204.800(7)(b)9., F.A.C.; Rule 62-296.407, F.A.C., Portland Cement Plants; Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards.}

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

**Essential Potential to Emit (PTE) Parameters**

**H.1. Capacity.** The rate of transfer of raw material to the No. 5 Blending Silo shall not exceed 165 ~~160~~ tons per hour (daily average basis).

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; ~~Air Construction Permit AC27-258566~~  
Construction permit modification/Title V permit revision application dated July 24, 2000 (DEP Project Nos. 0530010-005-AC/0530010-006-AV)]

**H.2. Hours of Operation.** The operation of the No. 5 Blending Silo shall not exceed 8,760 ~~8,200~~ hours per year.

[~~Air Construction Permit AC27-258566~~ Construction permit modification/Title V permit revision application dated July 24, 2000 (DEP Project Nos. 0530010-005-AC/0530010-006-AV)]

**H.10.** Testing of emissions must be conducted within 90-100% of the maximum permitted transfer rate of 165 ~~160~~ tons/hour. A compliance test submitted at an operating rate less than 90% of maximum permitted rate will automatically constitute an amended permit at the lesser rate plus 10% until another test showing compliance at a higher rate is submitted. (See Facility-wide condition No. 16, pg. 7 of 10) Failure to submit the operating rate and actual operating conditions may invalidate the test.

[Rule 62-4.070(3), F.A.C.]

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

**E.U.**

**ID No. Brief Description**

-013 No. 2 Kiln Feed System (Baghouse H-13)

**Essential Potential to Emit (PTE) Parameters**

**I.1. Capacity.** The total rate of transfer of kiln feed material from the No. 2 Kiln Feed Silo shall not exceed 150 ~~145~~ tons per hour, based upon a 30 calendar ~~operational~~-day rolling average. Maximum hourly material transfer rate is 165 tons/hour.

[Permit No. AO27-194667, Amendment Request of September 26, 1994, and Dr. John Koogler's letter of November 22, 1994; Construction permit modification/Title V permit revision application dated July 24, 2000 (DEP Project Nos. 0530010-005-AC/0530010-006-AV)]

**I.2. Hours of Operation.** The operation of the No. 2 Kiln Feed System shall not exceed 8,760 ~~8,200~~ hours per year.

[~~Air Construction Permit AC27-258568~~ Construction permit modification/Title V permit revision application dated July 24, 2000 (DEP Project Nos. 0530010-005-AC/0530010-006-AV)]

**I.10.** Testing of emissions must be conducted within 90-100% of the maximum hourly throughput attained within the 30 calendar ~~operational~~-days prior to the test date, or 150 ~~145~~ tons/hour, whichever is greater. A compliance test submitted at a rate less than 90% of 150 ~~145~~ tons/hour will automatically constitute an amended permit rate at that lesser rate plus 10%. (See Facility-wide condition No. 16, pg. 7 of 10) The test results shall be submitted to the Southwest

District Office of the Department within 45 days of testing. Acceptance of the test by the Department will automatically constitute an amended permit at the higher tested rate plus 10%, but in no case shall the maximum permitted rate of 150 ~~145~~ tons/hour, based upon a 30 calendar ~~operational~~-day rolling average, be exceeded. Failure to submit records of the production rate during the test period, and for the 30 calendar ~~operational~~ days prior to the test period, along with the test report may invalidate the test and fail to provide reasonable assurance of compliance. [Rule 62-4.070(3), F.A.C.]

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

**E.U.**

**ID No.    Brief Description**

- 016    Clinker Silo No. 3
- 017    Clinker/Gypsum Transfer Belt
- 018    Finish Mill No. 3 Clinker/Gypsum Day Tank

Clinker Silo No. 3 and associated clinker/gypsum handling system is used to store and handle clinker from No. 2 Clinker Cooler. Clinker is transferred by an inclined bucket elevator from No. 2 Clinker Cooler to Clinker Silo No. 3 at a maximum silo loading rate of 90 ~~84~~ tons/hr. The clinker/gypsum handling system includes a belt conveyor to transfer clinker or gypsum to Finish Mill No.3, a gypsum hopper and feed system, and a clinker day (surge) tank for Finish Mill No. 3. Clinker is transferred from the clinker silo to the Finish Mill No. 3 day tank by the clinker/gypsum transfer belt at a 30-day rolling average not to exceed 112 tons per hour, with a maximum hourly rate of 150 tons per hour. Gypsum is transferred from the gypsum silo to the Finish Mill No. 3 day tank by the clinker/gypsum transfer belt at a maximum hourly rate of 60 tons per hour. Particulate emissions are controlled by the following baghouses:

<u>Source</u>	<u>Baghouse Description</u>	<u>Baghouse ID</u>
Clinker Silo	Flex Kleen Model 100 WRW-112	L-07
Transfer Belt/ Gypsum Hopper	Flex Kleen Model 100 BVT-36	M-09
Day Tank	Flex Kleen Model 100 WRW-112	M-10

{Permitting note(s): This emissions unit is regulated under NSPS – 40 CFR 60, Subpart F, Standards of Performance for Portland Cement Plants, adopted and incorporated by reference in Rule 62-204.800(7)(b)9., F.A.C.; Rule 62-296.407, F.A.C., Portland Cement Plants; Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards.}

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

**Essential Potential to Emit (PTE) Parameters**

**K.1. Capacity.** The hourly clinker silo loading rate shall not exceed ~~90~~ 84 tons per hour. The 30 day rolling average for the clinker/gypsum handling system transfer rate shall not exceed 112 tons per hour, and shall be calculated using operating days only. The clinker hourly transfer rate is never to exceed 150 tons per hour and the gypsum hourly transfer rate is never to exceed 60 tons per hour.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Air Construction Permit AC27-258575; Construction permit modification/Title V permit revision application dated July 24, 2000 (DEP Project Nos. 0530010-005-AC/0530010-006-AV)]

**K.2. Hours of Operation.** The operation of the clinker silo, clinker transfer system, and No. 3 Finish Mill Day Tank shall not exceed ~~8,760~~ 8,200 hours per year.

[~~Amendment request of September 26, 1994, Air Construction Permit AC27-258575~~  
Construction permit modification/Title V permit revision application dated July 24, 2000 (DEP Project Nos. 0530010-005-AC/0530010-006-AV)]

**K.10. Testing of the Clinker Silo emissions** must be conducted within 90-100% of the maximum hourly throughput of ~~90~~ 84 tons per hour. Testing of the clinker/gypsum transfer system and day tank emissions must be conducted within 90-100% of the maximum hourly throughput attained within the period 30 days prior to the test date, or 112 tons/hour, whichever is greater. A compliance test submitted at a rate less than 90% of the above rates will automatically constitute an amended permit rate at that lesser rate plus 10%. Within 30 days of that lower amended permitted rate being exceeded by more than 10%, a new compliance test shall be conducted at the higher rate. The test results shall be submitted to the Southwest District Office of the Department within 45 days of testing. Acceptance of the test by the Department will automatically constitute an amended permit at the higher tested rate plus 10%, but in no case shall the maximum permitted rate be exceeded. Failure to submit records of the production rate during the test period, and for the 30 days prior to the test period, along with the test report, may invalidate the test and fail to provide reasonable assurance of compliance.

[Rule 62-4.070(3), F.A.C.]

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

**E.U.**

**ID No.    Brief Description**

-019      Finish Mill No. 3 (Baghouse N-23)

**L.2. Hours of Operation.** The operation of Finish Mill No. 3 shall not exceed ~~8,760~~ 8,200 hours per year.

[~~Amendment request of October 26, 1994, Air Construction Permit AC27-258576~~  
Construction permit modification/Title V permit revision application dated July 24, 2000 (DEP Project Nos. 0530010-005-AC/0530010-006-AV)]

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

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
-021	Cement Silos Nos. 7 and 8
-022	Masonry Silo
-023	Truck Loadout System

**M.2. Hours of Operation.**

- A. ~~The maximum combined total cement loading time for Cement Storage Silo Nos. 7 & 8 shall not exceed 8,200 hours per calendar year.~~
- B. ~~The maximum cement loading time for the Masonry Cement Storage Silo shall not exceed 7,500 hours per calendar year.~~
- C. ~~The maximum combined total cement loading time for all the activities associated with the Side No. 2 Truck Loadout System shall not exceed 7,500 hours per calendar year. (This requirement is equivalent to the maximum total time of 7,500 hours per calendar year that the baghouse is controlling emissions when loading cement.)~~

The maximum combined total cement loading time for Cement Storage Silo Nos. 7 and 8, maximum cement loading time for the Masonry Cement Storage Silo, and the maximum combined total cement loading time for all the activities associated with the Side No. 2 Truck Loadout System shall not exceed 8,760 hours per year.

[Air Construction Permit 0530010-004-AC Construction permit modification/Title V permit revision application dated July 24, 2000 (DEP Project Nos. 0530010-005-AC/0530010-006-AV)]

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

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
-024	Raw Material Pre-Mix Bin (Baghouse M-2280)

The Raw Material Pre-mix Bins are loaded with limestone, sand and flyash for use in the No. 1 and the No. 2 Raw Mills. Raw material is transferred by belt conveyor from the raw material storage silos to the Pre-Mix Bin at a maximum transfer rate of 330 ~~290~~ tons/hr. Particulate emissions are controlled by the following baghouse:

<u>Baghouse Description</u>	<u>Baghouse ID</u>
American Air Filter Fabri-Pulse 12-96	M-2280

{Permitting note(s): This emissions unit is regulated under NSPS – 40 CFR 60, Subpart F, Standards of Performance for Portland Cement Plants, adopted and incorporated by reference in

Rule 62-204.800(7)(b)9., F.A.C.; Rule 62-296.407, F.A.C., Portland Cement Plants; Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards.}

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

**Essential Potential to Emit (PTE) Parameters**

**N.1. Capacity.** The rate of transfer of raw material to the Raw Material Pre-Mix Bins and material handling system shall not exceed 330 ~~290~~ tons per hour (daily average basis).

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; ~~Air Construction Permit AC27-258574~~

Construction permit modification/Title V permit revision application dated July 24, 2000 (DEP Project Nos. 0530010-005-AC/0530010-006-AV)]

**N.9.** Testing of emissions must be conducted within 90-100% of the maximum permitted capacity of 330 ~~290~~ tons/hour of raw materials on an as-is basis. A compliance test submitted at a rate less than 90% of the maximum permitted rate will automatically constitute an amended permit rate at that lesser rate plus 10%. (See Facility-wide Condition No. 16, pg. 7 of 10) The test results shall be submitted to the Southwest District Office of the Department within 45 days of testing. Acceptance of the test by the Department will automatically constitute an amended permit at the higher tested rate plus 10%, but in no case shall the maximum permitted rate of 330 ~~290~~ tons/hr be exceeded. Failure to submit material handling rates with the test report may invalidate the tests and fail to provide reasonable assurance of compliance.

[Rules 62-4.070(3) and 62-297.310(2), F.A.C.]