



South Carolina Department of Health
and Environmental Control

Conditional Major Air Quality Permit

Hanson Aggregates Southeast (Sandy Flat Quarry)
5566 Mt. View Road
Taylors, SC 29687

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5) and 48-1-110(a), and the 1976 Code of Laws of South Carolina, as amended, Regulation 61-62, the above named permittee is hereby granted permission to discharge air contaminants into the ambient air. The Bureau of Air Quality authorizes the operation of this facility and its applicable equipment specified herein in accordance with the Conditional Major permit request submitted on April 1, 2008.

This permit is subject to and conditioned upon the terms, limitations, standards, and schedules contained in or specified on the 31 pages, with the accompanying attachments, of this permit.

Permit Number: CM-1200-0046
Issue Date: DRAFT

Effective Date: DRAFT
Expiration Date: DRAFT

Director, Engineering Services Division
Bureau of Air Quality

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PART 1.0 GENERAL INFORMATION

A. APPLICABLE PERMIT DATES

ISSUE DATE: DRAFT

EFFECTIVE DATE: DRAFT

EXPIRATION DATE: DRAFT

B. FACILITY INFORMATION

ENVIRONMENTAL CONTACT: Jim Zadorozny
CONTACT TELEPHONE NUMBER: (706) 548-4296
CONTACT FAX NUMBER: (706) 548-0525
INTERNET E-MAIL ADDRESS: Jim.Zadorozny@Hanson.com
FACILITY LOCATION: 5566 Mt. View Road - Taylors
COUNTY: Greenville
SIC CODE(S): 1423
NAICS CODE(S): 212313
AFS CODE: 4504500046

C. FACILITY MAILING ADDRESS

FACILITY NAME: Hanson Aggregates Southeast, LLC (Sandy Flat Quarry)
ADDRESS: PO Box 2657
CITY, STATE, ZIP: Greer, SC 29652

D. FACILITY BILLING ADDRESS

FACILITY BILLING NAME: Hanson Aggregates Southeast, LLC
ADDRESS: PO Box 2657
CITY, STATE, ZIP: Greer, SC 29652

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PART 2.0 APPLICABILITY

A. GENERAL APPLICABILITY

Condition Number	Condition
2.A.1	This permit applies to any major stationary source, as defined by SC Regulation 61-62.70.2(r), which requests and fulfills the conditions of SC Regulation 61-62.1, Section II(G) to obtain and adhere to federally enforceable permit conditions to limit the source's potential to emit less than applicable major source thresholds.

B. CRITERIA

Condition Number	Condition
2.B.1	All limitations and requirements listed as enforceable permit conditions shall be permanent, quantifiable, or otherwise enforceable in a practical manner.
2.B.2	All permit conditions that constrain the operation of a source in an effort to limit potential to emit shall be federally enforceable. Unless otherwise agreed by the SC Department of Health and Environmental Control (Department) and US Environmental Protection Agency (US EPA), the Department shall provide to US EPA on a timely basis a copy of all draft and final permits intended to be federally enforceable.
2.B.3	This facility may be required to obtain a Part 70 operating permit in accordance with SC Regulation 61-62.70 if at any time an applicable major source threshold is exceeded.

PART 3.0 GENERAL CONDITIONS

The following conditions are applicable unless superseded by specific permit condition(s):

Condition Number	Condition
3.1	The permittee must comply with all applicable statutes and regulations of the United States and the State of South Carolina and this permit does not relieve the permittee from compliance with applicable local laws, ordinances, and regulations.
3.2	This permit has been issued based on information submitted by the permittee in a Conditional Major permit application. Any false information or misrepresentation in the application may be grounds for permit revocation. This permit supersedes any other operating permit issued by the Bureau of Air Quality upon the permit's effective date.

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Condition Number	Condition
3.3	<p>In accordance with SC Regulation 61-62.1, Section II(H), the permittee shall submit an operating permit renewal request to the Department no later than 90 days prior to the operating permit expiration date. The source may be inspected by the Department in order to decide whether to renew the permit. Past records of compliance and future probability of compliance will be considered in making the decision regarding renewal.</p> <p>Submission of a request for renewal meeting the requirements in S.C. Regulation 61-62.1, Section II(H) shall allow the permittee to continue operating pursuant to the most recent conditional major operating permit, until such time as the Department has taken final action on the request for renewal. In addition to the minimum information required by S.C. Regulation 61-62.1, Section II(C), any facility requesting a conditional major operating permit must also provide the following:</p> <ul style="list-style-type: none">i. Potential emission calculations and proposed Federally enforceable emission limitations for each emission unit at the facility verifying that the total emissions at the facility will be below the major source (or facility) thresholds.ii. All proposed production and/or operational limitations that will constrain the operation of each emission unit that are to be identified as Federally enforceable.iii. All proposed monitoring parameters, recordkeeping and reporting requirements the source will use to determine and verify compliance with the requested Federally enforceable limitations on a continuous basis. The source shall also provide the compliance status of these proposed parameters and requirements at the time of the request submittal.
3.4	This permit expressly incorporates all the provisions of SC Regulation 61-62.1, Section II(J).
3.5	<p>In accordance with SC Regulation 61-62.1, Section II(J) for all sources not required to have continuous emissions monitors, in the event of any malfunction of air pollution control equipment or system, process upset or other equipment failure which results in discharges of air contaminants lasting for one hour or more and which are greater than those discharges described for normal operation in the permit application shall be reported to the local Environmental Quality Control (EQC) Regional office within twenty-four (24) hours after the beginning of the occurrence. The permittee shall also submit a written report within thirty (30) days of the occurrence. This report shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality (BAQ). The report shall contain as a minimum, the following: the identity of the emission unit and associated equipment where excess emissions occurred, the magnitude of excess emissions, the time and duration of excess emissions, the steps taken to remedy the malfunction and to prevent a recurrence, documentation that control equipment and processes were at all times maintained and operated, to the maximum extent practicable, in a manner that was consistent with good practice for minimizing emissions. Such a report shall in no way serve to excuse, otherwise justify, or in any manner affect any potential liability or enforcement action resulting from the occurrence.</p>
3.6	This permit only covers emission units and control equipment while physically present at the indicated facility. Unless the permit specifically provides for the equipment relocation, this permit is void for an item of equipment on the day it is removed from the permitted facility, notwithstanding the expiration date specified on the permit.
3.7	<p>In accordance with SC Regulation 61-62.1, Section II(M) within thirty (30) days of the transfer of ownership/operation of a facility, the current permit holder and prospective new owner/operator shall submit to the Department a written request for transfer of the source operating or construction permits. The written request for transfer of the source operating or construction permit shall include any changes pertaining to the company name and mailing address; the facility name and mailing address (if different from that of the company); the name, mailing address, and telephone number of the owner or agent for the company; and any proposed changes to the permitted activities of the source. Transfer of the operating or construction permits will be effective upon written approval by the Department.</p>

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Condition Number	Condition
3.8	<p>Any permittee who plans to construct, alter, or add to a source of air contaminants, including the installation of any device for the control of air contaminant discharges shall submit a complete construction permit application package as described in SC Regulation 61-62.1, Section II(C)</p> <p>A construction permit application package for a federally-enforceable construction permit will be required if any of the emissions changes described above will affect a pollutant limited under SC Regulation 61-62.1, Section II(G). The Department may grant permission to proceed with minor alterations or additions without issuance of a permit when the Department determines that the alteration or addition will not increase the quantity and will not alter the character of the source's emissions.</p>
3.9	<p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:</p> <ol style="list-style-type: none">1. Enter the facility where emissions-related activity is conducted, or where records must be kept under the conditions of the permit.2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.4. As authorized by the Act and/or the SC Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.
3.10	<p>This permit may be reopened by the Department for cause or to include any new standard or regulation which becomes applicable to a source during the life of the permit.</p>
3.11	<p>The permittee shall pay fees in accordance with SC Regulation 61-30, SC Environmental Protection Fees.</p>
3.12	<p>In the event of an emergency situation, as defined by SC Regulation 61-62.1, Section II(L), an affirmative defense to any action brought for noncompliance with an emission limitation shall be demonstrated by the facility if all of the conditions of SC Regulation 61-62.1, Section II(L) are met.</p>

PART 4.0 FACILITY WIDE REQUIREMENTS

Condition Number	Condition
4.1	<p>Air dispersion modeling (or other method) has demonstrated that this facility's operation will not interfere with the attainment and maintenance of any state or federal ambient air standard. Any changes in the parameters used in the air dispersion modeling may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. The emission rates used in the determination are listed in Attachment A of this permit. Higher emission rates may be administratively incorporated into Attachment A of this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal ambient air quality standard or with any other applicable requirement. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded. This is a State Only enforceable requirement.</p>

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Condition Number	Condition
4.2	The owner/operator shall maintain this facility at or below the emission rates as listed in Attachment A, not to exceed the pollutant limitations of this Conditional Major operating permit. Should the facility wish to increase the emission rates listed in Attachment A, not to exceed the pollutant limitations in the body of this permit, it may do so by the administrative process specified in condition 4.B.1. This is a State Only enforceable requirement.
4.3	The permittee shall comply with SC Regulation 61-62.4 "Hazardous Air Pollution Conditions".
4.4	The permittee shall comply with SC Regulation 61-62.2 "Prohibition of Open Burning".
4.5	The permittee shall comply with SC Regulation 61-62.6 "Control of Fugitive Particulate Matter", Section III "Control of Fugitive Particulate Matter Statewide".
4.6	<p>In order to comply with SC Regulation 61-62.5 Standard No. 2, the owner/operator shall not operate the quarry for more than 4,380 hours per year (12-month rolling sum). Operating hours are accumulated if any piece of equipment is operating. The owner/operator shall record the actual operating hours monthly. The owner/operator shall also maintain operating hour records on-site and all records shall be kept for a calendar period of five(5) years from the initial recording date and made available to Department personnel upon request.</p> <p>Also in order to comply with SC Regulation 61-62.5, Standard No. 2, the Primary Plant, Secondary Plant and Finishing Plant are each limited to a maximum material throughput of 4,818,000 tpy. The owner/operator shall record the actual material throughput (tons) with regard to each plant monthly. The owner/operator shall also maintain throughput records on-site and all records shall be kept for a calendar period of five(5) years from the initial recording date and made available to Department personnel upon request.</p> <p>Annual reports including all recorded parameters and calculated values shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality postmarked no later than 30 calendar days after the end of the reporting period. Any increase in an allowable emission rate must be approved by the Bureau of Air Quality and may require revised air dispersion modeling be submitted to demonstrate compliance with the SC Regulation 61-62.5 Standard No. 2.</p>
4.7	This facility is subject to SC Regulation 61-62.1, Section II(G) for particulate matter less than 10 microns (PM ₁₀) emissions. The facility has agreed to federally enforceable operating limitations to limit its potential to emit to less than 100 tons per 12-month rolling period for PM ₁₀ emissions.

PART 5.0 EMISSION UNIT REQUIREMENTS

A. EMISSION UNIT DESCRIPTION

TABLE 5.1 EMISSION UNITS		
Unit ID	Unit Description	Control Device
01	1,100 tph Primary Plant	Wet Suppression
02	1,100 tph Secondary Plant	Wet Suppression
03	1,100 tph Finishing Plant	Wet Process

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TABLE 5.2 CONTROL DEVICES			
Control Device ID	Control Device Description	Install date	Pollutant(s) Controlled
WS	Wet Suppression	N/A	PM
WP	Wet Process	N/A	PM
WCO	Water carryover from upstream water sprays	N/A	PM

B. GENERIC CONDITIONS

GENERIC CONDITIONS			
Condition Number	Unit ID	Equipment ID	Condition
GC1	01 02 03	N/A	Unless elsewhere specified within this permit, all records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least five (5) years from the date generated and shall be made available to a Department representative upon request.
GC2	01 02 03	N/A	Unless elsewhere specified within this permit, all reports required under this permit including all recorded parameters and calculated values shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality, at the address listed below, postmarked no later than thirty (30) calendar days after the end of the reporting period. SC DHEC - BAQ Technical Management Section 2600 Bull Street Columbia, SC 29201

C. EMISSION UNIT – LIMITATIONS, MONITORING AND REPORTING

TABLE 5.3 UNIT ID 01 (1,100 tph PRIMARY PLANT)						
Equip ID	Equipment Description	Capacity	Install Date	40CFR60 Subpart OOO	Control Device ID	Stack ID
GZ-1	Grizzly Feeder	1,100 tph	1994	Applicable	WS	GZ-1
PC-1	Primary Crusher	1,100 tph	1994	Applicable	WS	PC-1
C-1	42" Conveyor No.1	1,100 tph	1994	Applicable	WS	C-1
C-2	42" Conveyor No.2	1,100 tph	1994	Applicable	WCO	C-2

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TABLE 5.4 CONTROL DEVICES FOR UNIT ID 01 (1,100 tph PRIMARY PLANT)			
Control Device ID	Control Device Description	Install date	Pollutant(s) Controlled
WS	Wet Suppression	N/A	PM
WCO	Water carryover from upstream water sprays	N/A	PM

CONDITIONS FOR UNIT ID 01 (1,100 tph PRIMARY PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
01.1	PC-1	Opacity	<p>Limits/Standards: In accordance with 40CFR60.672(b) and Table 3 to Subpart OOO, the Primary Crusher shall not exhibit any fugitive emissions which exhibit greater than 15% opacity. In accordance with 40CFR60.11(b), this standard applies at all times except during periods of startup, shutdown and malfunction.</p> <p>Testing: 40CFR60.675 and 40CFR60.8(a) only required an initial performance test for opacity which has already been completed.</p> <p>Monitoring/Record Keeping/Reporting/Other:</p> <p>(A) In accordance with 40CFR60.7(b), the owner/operator shall maintain records of the occurrence and duration of any startup, shutdown or malfunction of the Primary Crusher and any malfunction of its associated air pollution control equipment.</p> <p>In accordance with 40CFR60.2, malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. In accordance with 40CFR60.2, shutdown means the cessation of operation of an affected facility for any purpose. In accordance with 40CFR60.2, startup means the setting in operation of an affected facility for any purpose.</p> <p>(B) The owner/operator shall operate its wet suppression system at all times when emission sources controlled by it are in operation in order to minimize undesirable levels of fugitive dust emissions. The owner/operator may adjust the water sprays as necessary to accommodate weather conditions or elevated material moisture content.</p> <p>(C) In case the wet suppression system is not operating properly, then a portable water spray system shall be used until the permanent water spray system is back in proper operation.</p>

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CONDITIONS FOR UNIT ID 01 (1,100 tph PRIMARY PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
01.1	PC-1	Opacity (Continued)	<p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(D) When wet suppression equipment malfunctions cause excessive emissions from an immediately adjacent and/or downstream process unit and/or process equipment (up to the next operable wet suppression site) for a period longer than one (1) hour, the owner/operator shall shut down the underlying adjacent and downstream process units and process equipment that the malfunctioning wet suppression equipment was designed to control until such time that a repair can be completed to remedy the malfunctioning wet suppression equipment For purposes of this condition, “excessive emission” shall mean visible emissions and/or mass rate emissions in excess of the applicable limits.</p> <p>(E) The owner/operator shall perform daily visual emission checks on the crusher.</p> <p>(F) The owner/operator shall perform weekly inspections of all wet suppression system related equipment. Inspections shall be recorded in a log and this log shall include a dated record of all problems, corrective actions and maintenance activities.</p> <p>(G) Written guidelines shall be developed and maintained for plant operators on how to handle opacity problems. The written guidelines shall be maintained on-file and on-site and made available to Department personnel upon request.</p>
01.2	GF-1	Opacity	<p>Limits/Standards: In accordance with 40CFR60.672(b) and Table 3 to Subpart OOO, fugitive emissions from the Grizzly Feeder shall not exhibit an opacity that exceeds 10%. In accordance with 40CFR60.11(c), this standard applies at all times except during periods of startup, shutdown and malfunction.</p> <p>During startup, shutdown and malfunctions, in accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) from each conveyor transfer point shall not exhibit an opacity greater than 20%.</p> <p>Testing: 40CFR60.675 and 40CFR60.8(a) only required an initial performance test for opacity which has already been completed.</p>

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CONDITIONS FOR UNIT ID 01 (1,100 tph PRIMARY PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
01.2	GF-1	Opacity	<p>Limits/Standards: In accordance with 40CFR60.672(b) and Table 3 to Subpart OOO, fugitive emissions from the Grizzly Feeder shall not exhibit an opacity that exceeds 10%. In accordance with 40CFR60.11(c), this standard applies at all times except during periods of startup, shutdown and malfunction.</p> <p>During startup, shutdown and malfunctions, in accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) from each conveyor transfer point shall not exhibit an opacity greater than 20%.</p> <p>Testing: 40CFR60.675 and 40CFR60.8(a) only required an initial performance test for opacity which has already been completed.</p> <p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(A) In accordance with 40CFR60.7(b), the owner/operator shall maintain records of the occurrence and duration of any startup, shutdown or malfunction of the Grizzly Feeder and any malfunction of its associated air pollution control equipment.</p> <p>In accordance with 40CFR60.2, malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. In accordance with 40CFR60.2, shutdown means the cessation of operation of an affected facility for any purpose. In accordance with 40CFR60.2, startup means the setting in operation of an affected facility for any purpose.</p> <p>(B) The owner/operator shall operate its wet suppression system at all times when emission sources controlled by it are in operation in order to minimize undesirable levels of fugitive dust emissions. The owner/operator may adjust the water sprays as necessary to accommodate weather conditions or elevated material moisture content.</p> <p>(C) In case the wet suppression system is not operating properly, then a portable water spray system shall be used until the permanent water spray system is back in proper operation.</p>

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CONDITIONS FOR UNIT ID 01 (1,100 tph PRIMARY PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
01.2	GF-1	Opacity (Continued)	<p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(D) When wet suppression equipment malfunctions cause excessive emissions from an immediately adjacent and/or downstream process unit and/or process equipment (up to the next operable wet suppression site) for a period longer than one (1) hour, the owner/operator shall shut down the underlying adjacent and downstream process units and process equipment that the malfunctioning wet suppression equipment was designed to control until such time that a repair can be completed to remedy the malfunctioning wet suppression equipment For purposes of this condition, “excessive emission” shall mean visible emissions and/or mass rate emissions in excess of the applicable limits.</p> <p>(E) The owner/operator shall perform daily visual emission checks on the feeder.</p> <p>(F) The owner/operator shall perform weekly inspections of all wet suppression system related equipment. Inspections shall be recorded in a log and this log shall include a dated record of all problems, corrective actions and maintenance activities.</p> <p>(G) Written guidelines shall be developed and maintained for plant operators on how to handle opacity problems. The written guidelines shall be maintained on-file and on-site and made available to Department personnel upon request.</p>
01.3	C-1 C-2	Transfer Point Opacity	<p>Limits/Standards: In accordance with 40CFR60.672(b) and Table 3 to Subpart OOO, fugitive emissions from each transfer point of 42” Conveyor No.1 and 42” Conveyor No.2 shall not exhibit an opacity that exceeds 10%. In accordance with 40CFR60.11(c), this standard applies at all times except during periods of startup, shutdown and malfunction.</p> <p>During startup, shutdown and malfunctions, in accordance with SC Regulation 61-62.5, Standard No. 4 – Emissions from Process Industries, Section IX – Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) from each transfer point shall not exhibit an opacity greater than 20%.</p> <p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(A) In accordance with 40CFR60.7(b), the owner/operator shall maintain records of the occurrence and duration of any startup, shutdown or malfunction of each conveyor and any malfunction of their associated air pollution control equipment.</p>

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CONDITIONS FOR UNIT ID 01 (1,100 tph PRIMARY PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
01.3	C-1 C-2	Transfer Point Opacity (Continued)	<p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>In accordance with 40CFR60.2, malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. In accordance with 40CFR60.2, shutdown means the cessation of operation of an affected facility for any purpose. In accordance with 40CFR60.2, startup means the setting in operation of an affected facility for any purpose.</p> <p>(B) The owner/operator shall operate its wet suppression system at all times when emission sources controlled by it are in operation in order to minimize undesirable levels of fugitive dust emissions. The owner/operator may adjust the water sprays as necessary to accommodate weather conditions or elevated material moisture content.</p> <p>(C) In case the wet suppression system is not operating properly, then a portable water spray system shall be used until the permanent water spray system is back in proper operation.</p> <p>(D) When wet suppression equipment malfunctions cause excessive emissions from an immediately adjacent and/or downstream process unit and/or process equipment (up to the next operable wet suppression site) for a period longer than one (1) hour, the owner/operator shall shut down the underlying adjacent and downstream process units and process equipment that the malfunctioning wet suppression equipment was designed to control until such time that a repair can be completed to remedy the malfunctioning wet suppression equipment. For purposes of this condition, "excessive emission" shall mean visible emissions and/or mass rate emissions in excess of the applicable limits.</p> <p>(E) The owner/operator shall perform daily visual emission checks on each conveyor.</p> <p>(F) The owner/operator shall perform weekly inspections of all wet suppression system related equipment. Inspections shall be recorded in a log and this log shall include a dated record of all problems, corrective actions and maintenance activities.</p> <p>(G) Written guidelines shall be developed and maintained for plant operators on how to handle opacity problems. The written guidelines shall be maintained on-file and on-site and made available to Department personnel upon request.</p>

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CONDITIONS FOR UNIT ID 01 (1,100 tph PRIMARY PLANT)									
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions						
01.4	GF-1	Aggregate Processing PM	<p>Limits/Standards: In accordance with SC Regulation 61-62.5, Standard No. 4 – Emissions from Process Industries, Section VIII – Other Manufacturing, particulate matter emissions shall be limited to the rate specified by use of the following equations: for process weight rates less than or equal to 30 tons per hour ($E = 4.10P^{0.67}$) and for process weight rates greater than 30 tons per hour ($E = 55.0P^{0.11} - 40$) where E = the allowable emission rate in pounds per hour and P = process weight rate in tons per hour. As such, each process's allowable particulate matter emission limit is limited to the amount shown in the table below at its nominal production rating:</p> <table border="1"> <thead> <tr> <th>Process</th> <th>Emission Limit (lb/hr)</th> <th>Process Weight Rate (tph)</th> </tr> </thead> <tbody> <tr> <td>Aggregate Processing</td> <td>78.83</td> <td>1,100</td> </tr> </tbody> </table> <p>Testing: Not Required</p> <p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(A) The owner/operator shall operate its wet suppression system at all times when emission sources controlled by it are in operation in order to minimize undesirable levels of fugitive dust emissions. The owner/operator may adjust the water sprays as necessary to accommodate weather conditions or elevated material moisture content.</p> <p>(B) In case the wet suppression system is not operating properly, then a portable water spray system shall be used until the permanent water spray system is back in proper operation.</p> <p>(C) When wet suppression equipment malfunctions cause excessive emissions from an immediately adjacent and/or downstream process unit and/or process equipment (up to the next operable wet suppression site) for a period longer than one (1) hour, the owner/operator shall shut down the underlying adjacent and downstream process units and process equipment that the malfunctioning wet suppression equipment was designed to control until such time that a repair can be completed to remedy the malfunctioning wet suppression equipment. For purposes of this condition, "excessive emission" shall mean visible emissions and/or mass rate emissions in excess of the applicable limits.</p> <p>(D) The owner/operator shall perform weekly inspections of all wet suppression system related equipment. Inspections shall be recorded in a log and this log shall include a dated record of all problems, corrective actions and maintenance activities.</p>	Process	Emission Limit (lb/hr)	Process Weight Rate (tph)	Aggregate Processing	78.83	1,100
Process	Emission Limit (lb/hr)	Process Weight Rate (tph)							
Aggregate Processing	78.83	1,100							

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TABLE 5.5 UNIT ID 02 (1,100 tph SECONDARY PLANT)

Equip ID	Equipment Description	Capacity	Install Date	40CFR60 Subpart OOO	Control Device ID	Stack ID
C-3	42" Conveyor No.3	900 tph	1994	Applicable	WS	C-3
C-4A	36" Conveyor No.4A	350 tph	1996	Applicable	WS	C-4A
C-4	42" Conveyor No.4	900 tph	1994	Applicable	WS	C-4
CC-1	Cone Crusher No.1	900 tph	1994	Applicable	WS	CC-1
SCR-1	8' x 16' Screen No.1	1,100 tph	1994	Applicable	WS	SCR-1
SCR-1A	6' x 16' 3D Screen No.1A	1,100 tph	2002	N/A (40CFR60.670(d) like for like replacement previously granted in 2002)	WS	SCR-1A
C-5	30" Conveyor No.5	300 tph	1994	Applicable	WS	C-5
C-6	36" Conveyor No.6	1,100 tph	1994	Applicable	WCO	C-6
C-7	36" Conveyor No.7	700 tph	1994	Applicable	WCO	C-7
C-8	36" Conveyor No.8	1,100 tph	1994	Applicable	WS	C-8
SCR-2	8' x 20' Screen No.2	1,100 tph	1994	Applicable	WS	SCR-2
CC-2	Cone Crusher No.2	400 tph	1994	Applicable	WS	CC-2
SB-1	Surge Bin No.1	400 tph	1994	Applicable	WS	SB-1
CC-3	Cone Crusher No.3	400 tph	1994	Applicable	WS	CC-3
C-9	30" Conveyor No.9	400 tph	1994	Applicable	WS	C-9
C-10	30" Conveyor No.10	400 tph	1994	Applicable	WS	C-10
C-11A	30" Conveyor No.11A	200 tph	1994	N/A (Manufacture date of conveyor was in 1978 which is before 1983 and so not subject to 40CFR60 Subpart OOO)	WCO	C-11A
C-11	30" Conveyor No.11	200 tph	1994	Applicable	WS	C-11
C-12	24" Conveyor No.12	60 tph	1994	Applicable	WS	C-12
C-13	30" Conveyor No.13	400 tph	1994	Applicable	WS	C-13
C-14	24" Conveyor No.14	100 tph	1994	Applicable	WS	C-14
C-15	30" Conveyor No.15	172 tph	1994	Applicable	WS	C-15

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TABLE 5.5 UNIT ID 02 (1,100 tph SECONDARY PLANT)						
Equip ID	Equipment Description	Capacity	Install Date	40CFR60 Subpart OOO	Control Device ID	Stack ID
C-16	30" Conveyor No.16	250 tpy	1994	Applicable	WS	C-16
C-16A	30" Conveyor No.16A	172 tph	1994	Applicable	WCO	C-16A
C-17	30" Conveyor No.17	250 tph	1994	Applicable	WCO	C-17
C-18	30" Conveyor No.18	250 tph	1994	N/A (Manufacture date of conveyor was in 1979 which is before 1983 and so not subject to 40CFR60 Subpart OOO)	WS	C-18
C-19	30" Conveyor No.19	400 tph	1994	N/A (Manufacture date of conveyor was in 1979 which is before 1983 and so not subject to 40CFR60 Subpart OOO)	WS	C-19
C-20	30" Conveyor No.20	250 tph	1994	Applicable	WS	C-20
SCR-3	8' x 20' Screen No.3	1,100 tph	1994	Applicable	WS	SCR-3
S-5	6' x 16' Hi-Vibe Screen No.5	300 tph	2004	Applicable	WCO	S-5
C-22	36" Conveyor No.22	600 tph	2004	Applicable	WCO	C-22
C-23	30" Conveyor No.23	600 tph	1994	Applicable	WCO	C-23
C-26	36" Conveyor No.26	300 tph	2004	Applicable	WS	C-26
C-27	24" Conveyor No.27	300 tph	2004	Applicable	WS	C-27

TABLE 5.8 CONTROL DEVICES FOR UNIT ID 02 (1,100 tph SECONDARY PLANT)			
Control Device ID	Control Device Description	Install date	Pollutant(s) Controlled
WS	Wet Suppression	N/A	PM
WCO	Water carryover from upstream water sprays	N/A	PM

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CONDITIONS FOR UNIT ID 02 (1,100 tph SECONDARY PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
02.1	SCR-1 SCR-2 SB-1 SCR-3 S-5	Opacity	<p>Limits/Standards: In accordance with 40CFR60.672(b) and Table 3 to Subpart OOO, fugitive emissions from 8' x 16' Screen No.1, 8' x 20' Screen No.2, Surge Bin No.1, 8' x 20' Screen No.3 and 6' x 16' Hi-Vibe Screen No.5 shall each not exhibit an opacity that exceeds 10%. In accordance with 40CFR60.11(c), this standard applies at all times except during periods of startup, shutdown and malfunction.</p> <p>During startup, shutdown and malfunctions, in accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) from each shall not exhibit an opacity greater than 20%.</p> <p>Testing: 40CFR60.675 and 40CFR60.8(a) only required an initial performance test for opacity which has already been completed.</p> <p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(A) In accordance with 40CFR60.7(b), the owner/operator shall maintain records of the occurrence and duration of any startup, shutdown or malfunction of the 8' x 16' Screen No.1, 8' x 20' Screen No.2, Surge Bin No.1, 8' x 20' Screen No.3 and 6' x 16' Hi-Vibe Screen No.5 and any malfunction of their associated air pollution control equipment.</p> <p>In accordance with 40CFR60.2, malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. In accordance with 40CFR60.2, shutdown means the cessation of operation of an affected facility for any purpose. In accordance with 40CFR60.2, startup means the setting in operation of an affected facility for any purpose.</p> <p>(B) The owner/operator shall operate its wet suppression system at all times when emission sources controlled by it are in operation in order to minimize undesirable levels of fugitive dust emissions. The owner/operator may adjust the water sprays as necessary to accommodate weather conditions or elevated material moisture content.</p> <p>(C) In case the wet suppression system is not operating properly, then a portable water spray system shall be used until the permanent water spray system is back in proper operation.</p>

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CONDITIONS FOR UNIT ID 02 (1,100 tph SECONDARY PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
02.1	SCR-1 SCR-2 SB-1 SCR-3 S-5	Opacity (Continued)	<p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(D) When wet suppression equipment malfunctions cause excessive emissions from an immediately adjacent and/or downstream process unit and/or process equipment (up to the next operable wet suppression site) for a period longer than one (1) hour, the owner/operator shall shut down the underlying adjacent and downstream process units and process equipment that the malfunctioning wet suppression equipment was designed to control until such time that a repair can be completed to remedy the malfunctioning wet suppression equipment For purposes of this condition, “excessive emission” shall mean visible emissions and/or mass rate emissions in excess of the applicable limits.</p> <p>(E) The owner/operator shall perform daily visual emission checks on each screen and surge bin.</p> <p>(F) The owner/operator shall perform weekly inspections of all wet suppression system related equipment. Inspections shall be recorded in a log and this log shall include a dated record of all problems, corrective actions and maintenance activities.</p> <p>(G) Written guidelines shall be developed and maintained for plant operators on how to handle opacity problems. The written guidelines shall be maintained on-file and on-site and made available to Department personnel upon request.</p>

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CONDITIONS FOR UNIT ID 02 (1,100 tph SECONDARY PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
02.2	C-3 C-4A C-4 C-5 C-6 C-7 C-8 C-9 C-10 C-11 C-12 C-13 C-14 C-15 C-16 C-16A C-17 C-20 C-22 C-23 C-26 C-27	Conveyor Transfer Point Opacity	<p>Limits/Standards: In accordance with 40CFR60.672(b) and Table 3 to Subpart OOO, fugitive emissions from each conveyor transfer point of 42" Conveyor No.3, 36" Conveyor No.4A, 42" Conveyor No.4, 30" Conveyor No.5, 36" Conveyor No.6, 36" Conveyor No.7, 36" Conveyor No.8, 30" Conveyor No.9, 30" Conveyor No.10, 30" Conveyor No.11, 24" Conveyor No.12, 30" Conveyor No.13, 24" Conveyor No.14, 30" Conveyor No.15, 30" Conveyor No.16, 30" Conveyor No.16A, 30" Conveyor No.17, 30" Conveyor No.20, 36" Conveyor No.22, 30" Conveyor No.23, 36" Conveyor No.26 and 24" Conveyor No.27 shall not exhibit an opacity greater than 10%. In accordance with 40CFR60.11(c), this standard applies at all times except during periods of startup, shutdown and malfunction.</p> <p>During startup, shutdown and malfunctions, in accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) from each conveyor transfer point shall not exhibit an opacity greater than 20%.</p> <p>(A) In accordance with 40CFR60.7(b), the owner/operator shall maintain records of the occurrence and duration of any startup, shutdown or malfunction of each conveyor and any malfunction of their associated air pollution control equipment.</p> <p>In accordance with 40CFR60.2, malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. In accordance with 40CFR60.2, shutdown means the cessation of operation of an affected facility for any purpose. In accordance with 40CFR60.2, startup means the setting in operation of an affected facility for any purpose.</p> <p>(B) The owner/operator shall operate its wet suppression system at all times when emission sources controlled by it are in operation in order to minimize undesirable levels of fugitive dust emissions. The owner/operator may adjust the water sprays as necessary to accommodate weather conditions or elevated material moisture content.</p> <p>(C) In case the wet suppression system is not operating properly, then a portable water spray system shall be used until the permanent water spray system is back in proper operation.</p>

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CONDITIONS FOR UNIT ID 02 (1,100 tph SECONDARY PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
02.2	C-3	Conveyor Transfer Point Opacity (Continued)	<p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(D) When wet suppression equipment malfunctions cause excessive emissions from an immediately adjacent and/or downstream process unit and/or process equipment (up to the next operable wet suppression site) for a period longer than one (1) hour, the owner/operator shall shut down the underlying adjacent and downstream process units and process equipment that the malfunctioning wet suppression equipment was designed to control until such time that a repair can be completed to remedy the malfunctioning wet suppression equipment For purposes of this condition, “excessive emission” shall mean visible emissions and/or mass rate emissions in excess of the applicable limits.</p> <p>(E) The owner/operator shall perform daily visual emission checks on each conveyor.</p> <p>(F) The owner/operator shall perform weekly inspections of all wet suppression system related equipment. Inspections shall be recorded in a log and this log shall include a dated record of all problems, corrective actions and maintenance activities.</p> <p>(G) Written guidelines shall be developed and maintained for plant operators on how to handle opacity problems. The written guidelines shall be maintained on-file and on-site and made available to Department personnel upon request.</p>
	C-4A		
	C-4		
	C-5		
	C-6		
	C-7		
	C-8		
	C-9		
	C-10		
	C-11		
	C-12		
	C-13		
	C-14		
	C-15		
	C-16		
	C-16A		
	C-17		
	C-20		
C-22			
C-23			
C-26			
C-27			

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CONDITIONS FOR UNIT ID 02 (1,100 tph SECONDARY PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
02.3	CC-1 CC-2 CC-3	Opacity	<p>Limits/Standards: In accordance with 40CFR60.672(b) and Table 3 to Subpart OOO, Cone Crusher No.1, Cone Crusher No.2 and Cone Crusher No.3 shall each not exhibit any fugitive emissions which exhibit greater than 15% opacity. In accordance with 40CFR60.11(c), this standard applies at all times except during periods of startup, shutdown and malfunction.</p> <p>During startup, shutdown and malfunctions, in accordance with SC Regulation 61-62.5, Standard No. 4 – Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) from the crusher shall not exhibit an opacity greater than 20%.</p> <p>Testing: 40CFR60.675 and 40CFR60.8(a) only required an initial performance test for opacity which has already been completed.</p> <p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(A) In accordance with 40CFR60.7(b), the owner/operator shall maintain records of the occurrence and duration of any startup, shutdown or malfunction of each crusher and any malfunction of their associated air pollution control equipment.</p> <p>In accordance with 40CFR60.2, malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. In accordance with 40CFR60.2, shutdown means the cessation of operation of an affected facility for any purpose. In accordance with 40CFR60.2, startup means the setting in operation of an affected facility for any purpose.</p> <p>(B) The owner/operator shall operate its wet suppression system at all times when emission sources controlled by it are in operation in order to minimize undesirable levels of fugitive dust emissions. The owner/operator may adjust the water sprays as necessary to accommodate weather conditions or elevated material moisture content.</p> <p>(C) In case the wet suppression system is not operating properly, then a portable water spray system shall be used until the permanent water spray system is back in proper operation.</p>

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CONDITIONS FOR UNIT ID 02 (1,100 tph SECONDARY PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
02.3	CC-1 CC-2 CC-3	Opacity (Continued)	<p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(D) When wet suppression equipment malfunctions cause excessive emissions from an immediately adjacent and/or downstream process unit and/or process equipment (up to the next operable wet suppression site) for a period longer than one (1) hour, the owner/operator shall shut down the underlying adjacent and downstream process units and process equipment that the malfunctioning wet suppression equipment was designed to control until such time that a repair can be completed to remedy the malfunctioning wet suppression equipment For purposes of this condition, “excessive emission” shall mean visible emissions and/or mass rate emissions in excess of the applicable limits.</p> <p>(E) The owner/operator shall perform daily visual emission checks on each crusher.</p> <p>(F) The owner/operator shall perform weekly inspections of all wet suppression system related equipment. Inspections shall be recorded in a log and this log shall include a dated record of all problems, corrective actions and maintenance activities.</p> <p>(G) Written guidelines shall be developed and maintained for plant operators on how to handle opacity problems. The written guidelines shall be maintained on-file and on-site and made available to Department personnel upon request.</p>

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CONDITIONS FOR UNIT ID 02 (1,100 tph SECONDARY PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
02.4	C-11A C-18 C-19	Conveyor Transfer Point Opacity	<p>Limits/Standards: In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) from each transfer point of 30" Conveyor No.11A, 30" Conveyor No.18 and 30" Conveyor No.19 shall not exhibit an opacity greater than 20%.</p> <p>Testing: Not Required</p> <p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(A) The owner/operator shall operate its wet suppression system at all times when emission sources controlled by it are in operation in order to minimize undesirable levels of fugitive dust emissions. The owner/operator may adjust the water sprays as necessary to accommodate weather conditions or elevated material moisture content.</p> <p>(B) In case the wet suppression system is not operating properly, then a portable water spray system shall be used until the permanent water spray system is back in proper operation.</p> <p>(C) When wet suppression equipment malfunctions cause excessive emissions from an immediately adjacent and/or downstream process unit and/or process equipment (up to the next operable wet suppression site) for a period longer than one (1) hour, the owner/operator shall shut down the underlying adjacent and downstream process units and process equipment that the malfunctioning wet suppression equipment was designed to control until such time that a repair can be completed to remedy the malfunctioning wet suppression equipment. For purposes of this condition, "excessive emission" shall mean visible emissions and/or mass rate emissions in excess of the applicable limits.</p> <p>(D) The owner/operator shall perform daily visual emission checks on each conveyor.</p> <p>(E) The owner/operator shall perform weekly inspections of all wet suppression system related equipment. Inspections shall be recorded in a log and this log shall include a dated record of all problems, corrective actions and maintenance activities.</p> <p>(F) Written guidelines shall be developed and maintained for plant operators on how to handle opacity problems. The written guidelines shall be maintained on-file and on-site and made available to Department personnel upon request.</p>

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CONDITIONS FOR UNIT ID 02 (1,100 tph SECONDARY PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
02.5	SCR-1A	Opacity	<p>Limits/Standards: In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) from 6' x 16' 3D Screen No.1A shall not exhibit an opacity greater than 20%.</p> <p>Testing: Not Required</p> <p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(A) The owner/operator shall operate its wet suppression system at all times when emission sources controlled by it are in operation in order to minimize undesirable levels of fugitive dust emissions. The owner/operator may adjust the water sprays as necessary to accommodate weather conditions or elevated material moisture content.</p> <p>(B) In case the wet suppression system is not operating properly, then a portable water spray system shall be used until the permanent water spray system is back in proper operation.</p> <p>(C) When wet suppression equipment malfunctions cause excessive emissions from an immediately adjacent and/or downstream process unit and/or process equipment (up to the next operable wet suppression site) for a period longer than one (1) hour, the owner/operator shall shut down the underlying adjacent and downstream process units and process equipment that the malfunctioning wet suppression equipment was designed to control until such time that a repair can be completed to remedy the malfunctioning wet suppression equipment. For purposes of this condition, "excessive emission" shall mean visible emissions and/or mass rate emissions in excess of the applicable limits.</p> <p>(D) The owner/operator shall perform daily visual emission checks on the screen.</p> <p>(E) The owner/operator shall perform weekly inspections of all wet suppression system related equipment. Inspections shall be recorded in a log and this log shall include a dated record of all problems, corrective actions and maintenance activities.</p> <p>(F) Written guidelines shall be developed and maintained for plant operators on how to handle opacity problems. The written guidelines shall be maintained on-file and on-site and made available to Department personnel upon request.</p>

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TABLE 5.9 UNIT ID 03 (1,100 tph FINISHING PLANT)						
Equip ID	Equipment Description	Capacity	Install Date	40CFR60 Subpart OOO	Control Device ID	Stack ID
C-28	30" Conveyor No.28	100 tph	2009	Applicable	WCO	C-28
C-21A	30" Conveyor No.21A	200 tph	1988	N/A	WP	C-21A
C-21	30" Conveyor No.21	200 tph	1994	N/A	WP	C-21
WSCR-4	6' x 16' Wash Screen No.4	600 tph	1994	N/A	WP	WSCR-4
C-25	30" Conveyor No.25	640 tph	1994	N/A	WP	C-25
C-24	30" Conveyor No.24	640 tph	1994	Applicable	WCO	C-24
Bin-1	Truck Loadout Bin No.1	200 tph	1994	N/A	WP	Bin-1
Bin-2	Truck Loadout Bin No.2	200 tph	1994	N/A	WP	Bin-2
Bin-3	Truck Loadout Bin No.3	200 tph	1994	N/A	WP	Bin-2
Bin-4	Truck Loadout Bin No.4	200 tph	1994	N/A	WP	Bin-2

TABLE 5.10 CONTROL DEVICES FOR UNIT ID 03 (1,100 tph FINISHING PLANT)			
Control Device ID	Control Device Description	Install date	Pollutant(s) Controlled
WP	Wet Process	N/A	PM
WCO	Water carryover from upstream water sprays	N/A	PM

CONDITIONS FOR UNIT ID 03 (1,100 tph FINISHING PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
04.1	WSCR-4 Bin-1 Bin-2 Bin-3 Bin-4	Opacity	<p>Limits/Standards: In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) from the 6' x 16' Wash Screen No.4, Truck Loadout Bin No.1, Truck Loadout Bin No.2, Truck Loadout Bin No.3 and Truck Loadout Bin No.4 shall not exhibit an opacity greater than 20%.</p> <p>Testing: Not Required</p> <p>Monitoring/Recordkeeping/Reporting/Other: The equipment above processes saturated material that will not produce any visible emissions.</p>

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CONDITIONS FOR UNIT ID 03 (1,100 tph FINISHING PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
04.2	C-21A C-21 C-25	Conveyor Transfer Point Opacity	<p>Limits/Standards: In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) from each transfer point of 30" Conveyor No.11A, 30" Conveyor No.18, 30" Conveyor No.19, 30" Conveyor No.24 and 30" Conveyor No.25 shall not exhibit an opacity greater than 20%.</p> <p>Testing: Not Required</p> <p>Monitoring/Recordkeeping/Reporting/Other: The equipment above processes saturated material that will not produce any visible emissions.</p>
04.3	C-24	Conveyor Transfer Point Opacity	<p>Limits/Standards: In accordance with 40CFR60.672(b) and Table 3 to Subpart OOO, fugitive emissions from each conveyor transfer point of 30" Conveyor No.24 shall not exhibit an opacity greater than 10%. In accordance with 40CFR60.11(c), this standard applies at all times except during periods of startup, shutdown and malfunction.</p> <p>During startup, shutdown and malfunctions, in accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) from each conveyor transfer point shall not exhibit an opacity greater than 20%.</p> <p>(A) In accordance with 40CFR60.7(b), the owner/operator shall maintain records of the occurrence and duration of any startup, shutdown or malfunction of each conveyor and any malfunction of their associated air pollution control equipment.</p> <p>In accordance with 40CFR60.2, malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. In accordance with 40CFR60.2, shutdown means the cessation of operation of an affected facility for any purpose. In accordance with 40CFR60.2, startup means the setting in operation of an affected facility for any purpose.</p> <p>(B) The owner/operator shall operate its wet suppression system at all times when emission sources controlled by it are in operation in order to minimize undesirable levels of fugitive dust emissions. The owner/operator may adjust the water sprays as necessary to accommodate weather conditions or elevated material moisture content.</p> <p>(C) In case the wet suppression system is not operating properly, then a portable water spray system shall be used until the permanent water spray system is back in proper operation.</p>

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CONDITIONS FOR UNIT ID 03 (1,100 tph FINISHING PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
04.3	C-24	Conveyor Transfer Point Opacity (Continued)	<p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(D) When wet suppression equipment malfunctions cause excessive emissions from an immediately adjacent and/or downstream process unit and/or process equipment (up to the next operable wet suppression site) for a period longer than one (1) hour, the owner/operator shall shut down the underlying adjacent and downstream process units and process equipment that the malfunctioning wet suppression equipment was designed to control until such time that a repair can be completed to remedy the malfunctioning wet suppression equipment. For purposes of this condition, “excessive emission” shall mean visible emissions and/or mass rate emissions in excess of the applicable limits.</p> <p>(E) The owner/operator shall perform daily visual emission checks on each conveyor.</p> <p>(F) The owner/operator shall perform weekly inspections of all wet suppression system related equipment. Inspections shall be recorded in a log and this log shall include a dated record of all problems, corrective actions and maintenance activities.</p> <p>(G) Written guidelines shall be developed and maintained for plant operators on how to handle opacity problems. The written guidelines shall be maintained on-file and on-site and made available to Department personnel upon request.</p>

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CONDITIONS FOR UNIT ID 03 (1,100 tph FINISHING PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
04.4	C-28	Conveyor Transfer Point Opacity	<p>Limits/Standards: In accordance with 40CFR60.672(b) and Table 3 to Subpart OOO, fugitive emissions from each conveyor transfer point of 30" Conveyor No.28 shall not exhibit an opacity greater than 7%. In accordance with 40CFR60.11(c), this standard applies at all times except during periods of startup, shutdown and malfunction.</p> <p>During startup, shutdown and malfunctions, in accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) from each conveyor transfer point shall not exhibit an opacity greater than 20%.</p> <p>(A) In accordance with 40CFR60.7(b), the owner/operator shall maintain records of the occurrence and duration of any startup, shutdown or malfunction of each conveyor and any malfunction of their associated air pollution control equipment.</p> <p>In accordance with 40CFR60.2, malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. In accordance with 40CFR60.2, shutdown means the cessation of operation of an affected facility for any purpose. In accordance with 40CFR60.2, startup means the setting in operation of an affected facility for any purpose.</p> <p>(B) The owner/operator shall operate its wet suppression system at all times when emission sources controlled by it are in operation in order to minimize undesirable levels of fugitive dust emissions. The owner/operator may adjust the water sprays as necessary to accommodate weather conditions or elevated material moisture content.</p> <p>(C) In case the wet suppression system is not operating properly, then a portable water spray system shall be used until the permanent water spray system is back in proper operation.</p>

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CONDITIONS FOR UNIT ID 03 (1,100 tph FINISHING PLANT)			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
04.4	C-28	Conveyor Transfer Point Opacity (Continued)	<p>Monitoring/Recordkeeping/Reporting/Other:</p> <p>(D) When wet suppression equipment malfunctions cause excessive emissions from an immediately adjacent and/or downstream process unit and/or process equipment (up to the next operable wet suppression site) for a period longer than one (1) hour, the owner/operator shall shut down the underlying adjacent and downstream process units and process equipment that the malfunctioning wet suppression equipment was designed to control until such time that a repair can be completed to remedy the malfunctioning wet suppression equipment For purposes of this condition, “excessive emission” shall mean visible emissions and/or mass rate emissions in excess of the applicable limits.</p> <p>(E) The owner/operator shall perform daily visual emission checks on the conveyor.</p> <p>(F) In accordance with 40CFR60.674(b), to be exempt from the five(5) year repeat testing requirement specified in Table 3 of 40CFR60 Subpart OOO for Conveyor No.28, the owner/operator must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles of the upstream water spray(s) that are responsible for controlling fugitive emissions from Conveyor No.28.</p> <p>The owner/operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner/operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner/operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40CFR60.676(b).</p> <p>(G) In accordance with 40CFR60.674(b)(1), the owner/operator must record each periodic inspection required under 40CFR60.674(b), including dates and any corrective actions taken, in a logbook (in written or electronic format). The owner/operator must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the Department upon request.</p> <p>(H) In accordance with 40CFR60.674(b)(2), if an affected source that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under 60.676(b) must specify the control mechanism being used instead of the water sprays.</p> <p>(I) Written guidelines shall be developed and maintained for plant operators on how to handle opacity problems. The written guidelines shall be maintained on-file and on-site and made available to Department personnel upon request.</p>

PART 6.0 REPORTING REQUIREMENTS

TABLE 6.1 PERIODIC REPORTING SCHEDULE

Compliance Monitoring Report Submittal Frequency	Reporting Period (Begins on the effective date of the permit)	Report Due Date
Quarterly	January-March April-June July-September October-December	April 30 th July 30 th October 30 th January 30 th
Semiannual	January-June April-September July-December October-March	July 30 th October 30 th January 30 th April 30 th
Annual	January-December April-March July-June October-September	January 30 th April 30 th July 30 th October 30 th

Note: This reporting schedule does not supercede any Federal reporting requirements including but not limited to 40 CFR 60, 61, and 63. All Federal reports must meet the reporting time frames specified in the Federal standard unless the Department or EPA approves a change.

PART 7.0 ADDITIONAL CONDITIONS

A. SPECIFIC CONDITIONS

Condition Number	Conditions
7.A.1	In accordance with SC Regulation 61-62.5 Standard 4 Section X and SC Regulation 61-62.6 Section III, all non-enclosed operations shall be conducted in such a manner that a minimum of particulate matter becomes airborne. Emissions of fugitive particulate matter emitted from this source shall also be controlled in such a manner and to the degree that it does not create an undesirable level of air pollution. In no case shall established ambient air quality standards be exceeded at or beyond the property line. The owner/operator shall maintain dust control of the premises and any roadway it owns or controls by paving, or other suitable measures. Volatile organic compounds shall not be used for dust control purposes and oil treatment is also prohibited. Any method of materials handling which will generate fugitive particulate matter that is not fully described in the permit application shall not be used.
7.A.2	In accordance with 40CFR60.672(d), truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher that is subject to 40CFR60 Subpart OOO is exempt from the requirements of 40CFR60.672.
7.A.3	In accordance with 40CFR60.11(d), at all times, including periods of startup, shutdown, and malfunction, the owner/operator shall, to the extent practicable, maintain and operate its facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

Hanson Aggregates Southeast, LLC (Sandy Flat Quarry)

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Condition Number	Conditions
7.A.4	<p>In accordance with 40CFR60.670(d)(1), when an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in 40CFR60.671, having the same function as the existing facility, and there is no increase in the amount of emissions, the new facility is exempt from the provisions of 40CFR60.672, 40CFR60.674 and 40CFR60.675 except as provided for in 40CFR60.670(d)(3).</p> <p>In accordance with 40CFR60.670(d)(3), an owner/operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption described in 40CFR60.670(d)(1) and must comply with the provisions of 40CFR60.672, 40CFR60.674 and 40CFR60.675.</p> <p>In accordance with 40CFR60.670(d)(3), an owner/operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption described in 40CFR60.670(d)(1) and must comply with the provisions of 40CFR60.672, 40CFR60.674 and 40CFR60.675.</p> <p>In accordance with 40CFR60.671, size means the rated capacity in tons per hour of a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station; the total surface area of the top screen of a screening operation; the width of a conveyer belt; and the rated capacity in tons of a storage bin.</p> <p>In accordance with 40CFR60.671, production line means all affected facilities (crushers, grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins, and enclosed truck and railcar loading stations) which are directly connected or are connected together by a conveying system.</p> <p>In accordance with 40CFR60.670(d)(2), an owner/operator complying with 40CFR60.671(d)(1) shall submit the information required in 40CFR60.676(a). In accordance with 40CFR60.676(a), each owner or operator seeking to comply with 40CFR60.670(d) shall submit to the Department the following information in paragraphs (a) through (d) about the existing facility being replaced and the replacement piece of equipment.</p> <p>(a) In accordance with 40CFR60.676(a)(1), for a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station the rated capacity in megagrams or tons per hour of the existing facility being replaced and the rated capacity in tons per hour of the replacement equipment.</p> <p>(b) In accordance with 40CFR60.672(a)(2), for a screening operation the total surface area of the top screen of the existing screening operation being replaced and the total surface area of the top screen of the replacement screening operation.</p> <p>(c) In accordance with 40CFR60.672(a)(3), for a conveyor belt the width of the existing belt being replaced and the width of the replacement conveyor belt.</p> <p>(d) In accordance with 40CFR60.672(a)(4) For a storage bin, the rated capacity in megagrams or tons of the existing storage bin being replaced and the rated capacity in megagrams or tons of replacement storage bins.</p>
7.A.5	<p>In accordance with 40CFR60.7(a)(4), the owner/operator shall submit a notification of any physical or operational change to the Department which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40CFR60.14(e). This notice shall be postmarked within 60 days or as soon as practicable before the change is commenced and include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Department may request additional relevant information subsequent to this notice.</p>

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Condition Number	Conditions
7.A.6	In accordance with 40CFR60.676(g), the owner or operator of any wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limit in 40CFR60.672(b) and the emission test requirements of 40CFR60.11.

B. EXEMPT SOURCES

Equip ID	Exempt Source Description	Capacity	Exemption Date	Basis
SF-1	Surge Feeders	1,100 tph	1998	SC Regulation 61-62.1, Section II(B)(2)(h)
SS-1	Sand Screw Classifier	80 tph	1998	SC Regulation 61-62.1, Section II(B)(2)(h)
BTF-1	Blending Tunnel	600 tph	1998	SC Regulation 61-62.1, Section II(B)(2)(h)
Cyclone-1	15" Cyclone	35 tph	1998	SC Regulation 61-62.1, Section II(B)(2)(h)
Cyclone-2	15" Cyclone	35 tph	1998	SC Regulation 61-62.1, Section II(B)(2)(h)
Cyclone-3	15" Cyclone	35 tph	1998	SC Regulation 61-62.1, Section II(B)(2)(h)
Cyclone-4	15" Cyclone	35 tph	1998	SC Regulation 61-62.1, Section II(B)(2)(h)
Cyclone-5	15" Cyclone	35 tph	1998	SC Regulation 61-62.1, Section II(B)(2)(h)
Cyclone-6	15" Cyclone	35 tph	1998	SC Regulation 61-62.1, Section II(B)(2)(h)

ATTACHMENT A

**Modeled Emission Rates
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NAAQS EMISSION RATES		
SOURCE IDENTIFICATION	TSP (lb/hr)	PM ₁₀ (lb/hr)
HO-1 Feed Hopper	0.0370	0.0176
F1-Vibratory Grizzly Feeder	2.42	0.814
CR-1 Hewitt Robins Jaw Crusher	1.02	0.459
C1-Conveyor (Transfer Point 1)	0.154	0.0506
C2-Conveyor (Transfer Point 2)	0.231	0.110
S-1A Double Deck Screen	2.42	0.814
CR-2 Symons Cone Crusher	0.9	0.405
TP-3 Screen	0.049	0.0161
C4A Conveyor (Transfer Point 4)	0.049	0.0161
S-1 Triple Deck Screen	2.42	0.814
TP-5 (Screen)	0.0350	0.0115
C5-Conveyor (Transfer Point 6)	0.035	0.0115
TP-7 (Screen)	0.091	0.0299
TP-8 (Screen)	0.028	0.0092
C6-Conveyor (Transfer Point 9)	0.0273	0.0090
C7-Conveyor (Transfer Point 11)	0.04095	0.0195
C6-Conveyor (Transfer Point 10)	0.0035	0.0012
S-2 Triple Deck Screen	2.035	0.6845
TP-12 (Screen)	0.035	0.0115
C10-Conveyor (Transfer Point 14)	0.035	0.0015
CR-3 Omincone SH Cone Crusher	0.300	0.135
C9-Conveyor (Transfer Point 15)	0.035	0.0115
TP-16 (Screen)	0.0105	0.00345

ATTACHMENT A

**Modeled Emission Rates
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NAAQS EMISSION RATES		
SOURCE IDENTIFICATION	TSP (lb/hr)	PM ₁₀ (lb/hr)
C12-Conveyor (Transfer Point 18)	0.01575	0.00075
TP-20 (Screen)	0.014	0.0046
C14-Conveyor (Transfer Point 23)	0.021	0.0048
TP-13A (Screen)	0.0014	0.0005
C11A-Conveyor (Transfer Point 24)	0.0014	0.00046
C11-Conveyor (Transfer Point 25)	0.0021	0.0001
TP-13 (Screen)	0.0056	0.00184
TP-17 (Screen)	0.014	0.0046
TP-19 (Screen)	0.014	0.0046
TP-44 (Screen)	0.035	0.0115
S-5 Hi-Vibe Screen	0.550	0.185
S-5 (Transfer Point 47)	0.0112	0.00368
C13-Triple Deck Screen	0.924	0.3108
CR-4 Omnicone SH Cone Crusher	0.216	0.0972
C19-Conveyor (Transfer Point 34)	0.0252	0.00828
TP-26 (Screen)	0.0126	0.00414
C15-Conveyor (Transfer Point 29)	0.037	0.018
TP-27 (Screen)	0.013	0.004
C16A-Conveyor (Transfer Point 30)	0.0245	0.00805
C16-Conveyor (Transfer Point 31)	0.03675	0.0175
TP-28 (Screen)	0.0084	0.0028
C17-Conveyor (Transfer Point 32)	0.0196	0.0064
C18-Conveyor (Transfer Point 33)	0.0294	0.0140

ATTACHMENT A

**Modeled Emission Rates
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NAAQS EMISSION RATES		
SOURCE IDENTIFICATION	TSP (lb/hr)	PM₁₀ (lb/hr)
C22-Conveyor (Transfer Point 35)	0.0924	0.03036
C23-Conveyor (Transfer Point 36)	0.014	0.0046
C24-Conveyor (Transfer Point 37)	0.0896	0.0294
C25-Conveyor (Transfer Point 38)	0.0896	0.0294
C20-Conveyor (Transfer Point 39)	0.014	0.0046
S-4 Double Deck Screen (Transfer Point 45)	0.035	0.0115
C24-Conveyor (Transfer Point 46)	0.0119	0.00391
FACILITY TOTAL	14.78965	5.28302

EXEMPT NAAQS EMISSION RATES		
SOURCE IDENTIFICATION	TSP (lb/hr)	PM₁₀ (lb/hr)
S-5 Screen	0.53	0.25
C26 Conveyor	0.03	0.014
C27 Conveyor	0.02	0.01
C28-Conveyor 28 from C20 to Sand Screw (Transfer Point 47)	0.300	0.11
FACILITY TOTAL	0.88	0.384

DRAFT

Hanson Aggregates Southeast, LLC (Sandy Flat Quarry)
5566 Mountain View Road
Taylors, SC 29687

ATTENTION: Mr. Jim Zadorozny

Dear Mr. Zadorozny:

Enclosed with this letter is Permit No. CM-1200-0046 that takes effect on [DATE]. This conditional major operating permit will limit the facility's potential to emit to below Title V Major Source thresholds, thereby restricting it from Title V Major Source status as defined in SC Regulation 61-62.70, "Title V Operating Permit Program." Please note the conditions and limitations imposed. This permit will be valid through EXPIRATION DATE. Pursuant to the South Carolina Administrative Procedures Act, this permit decision may be appealed in accordance with applicable state law. Please see the enclosed Notice of Appeal Procedure, effective July 01, 2006, for guidelines on appeal submittals.

Please be advised that the effective date of this permit begins the facility's reporting period under the terms and conditions of this permit. Abbreviated periodic reports shall be completed and submitted in accordance with the previous permit's conditions and shall cover the interim period between the previous permit reporting period and the new permit reporting period.

Please examine this new permit carefully for errors or omissions and notify the appropriate staff member, Kirk Schneider, (803-898-4023) or e-mail at Schneikg@dhec.sc.gov promptly if any are discovered. Thank you for your cooperation.

Sincerely,

Elizabeth J. Basil, Director
Engineering Services Division
Bureau of Air Quality

RBT:KGS:<TYPIST'S INITIALS>

Enclosures

cc: Bill Williamson, Region 2, Greenville EQC Office
CM Permit File: 1200-0046

Notice of Appeal Procedure

The following procedures are in effect beginning July 1, 2006, pursuant to 2006 Act No. 387:

1. This decision of the S.C. Department of Health and Environmental Control (Department) becomes the final agency decision 15 days after notice of the decision has been mailed to the applicant or respondent, unless a written request for final review is filed with the Department by the applicant, permittee, licensee, or affected person.
2. An applicant, permittee, licensee, or affected person who wishes to appeal this decision must file a written request for final review with the Clerk of the Board at the following address or by facsimile at 803-898-3393.

Clerk of the Board
SC DHEC
2600 Bull Street
Columbia, SC 29201
3. The request for final review should include the following:
 - a. the grounds on which the Department's decision is challenged and the specific changes sought in the decision
 - b. a statement of any significant issues or factors the Board should consider in deciding how to handle the matter
 - c. a copy of the Department's decision or action under review
4. In order to be timely, a request for final review must be received by the Clerk of the Board within 15 days after notice of the decision has been mailed to the applicant or respondent. If the 15th day occurs on a weekend or State holiday, the request is due to be received by the Clerk of the Board on the next working day. The request for final review must be received by the Clerk of the Board by 5:00 p.m. on the date it is due.
5. If a timely request for final review is filed with the Clerk of the Board, the Clerk will provide additional information regarding procedures.
6. The Board of Health and Environmental Control has 60 days from the date of receipt of a request for final review to conduct a final review conference. The conference may be conducted by the Board, its designee, or a committee of three members of the Board appointed by the chair.
7. If a final review conference is not conducted within 60 days, the Department decision becomes the final agency decision, and a party may request a contested case hearing before the Administrative Law Court within 30 days after the deadline for the final review conference.

The above information is provided as a courtesy; parties are responsible for complying with all applicable legal requirements.