



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

VIA CERTIFIED MAIL
91 7199 9991 7030 0479 5381

April 17, 2013

Mr. Ralph Bryant
AVX Corporation
PO Box 867
Myrtle Beach SC 29578-0867

Re: Renewed Air Quality Title V Operating Permit No. TV-1340-0002

Dear Mr. Bryant:

Enclosed is a renewed Air Quality Title V Operating Permit No. TV-1340-0002 that will become effective on July 1, 2013. Please note the conditions and limitations imposed. This permit will be valid through June 30, 2018, unless otherwise provided for by S.C. Regulation 61-62.70.7(c)(1)(ii).

Please be advised that a new periodic reporting period begins upon the effective date of this renewed permit. Abbreviated periodic reports and abbreviated Title V Annual Compliance Certifications 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. This renewed Title V Operating Permit may include several periodic reporting requirements with varying submittal frequencies and due dates. Reports required under the terms and conditions of this renewed permit must be completed and submitted in a timely manner in accordance with the periodic reporting schedule found in Part 8 of this permit.

It is important for you and/or an authorized representative responsible for the overall operation of this facility to read this issued permit carefully and to understand all requirements. If any errors or omissions are discovered, please notify Fatina A Washburn Clark of my staff, via e-mail at clarkfaw@dhec.sc.gov, or call 803-898-4072, prior to the effective date of this Title V Operating Permit.

Pursuant to the South Carolina Administrative Procedures Act, any Department decision involving the issuance, denial, suspension, or revocation of a permit or certification may be appealed by the applicant, permittee, licensee, or affected person. Please see the enclosed "Notice of Appeal Procedure" for guidelines on filing an appeal.

Sincerely,

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

EJB:fac:kal
Enclosure

cc: Title V File: 1340-0002
ec: Rayna King, BEHS
James Purvis, EPA Region 4
Michael Shroup, Source Evaluation Section Manager

South Carolina Board of Health and Environmental Control
Guide to Board Review
Pursuant to S.C. Code Ann. § 44-1-60
Effective April 1, 2013

The decision of the South Carolina Department of Health and Environmental Control (Department) becomes the final agency decision fifteen (15) calendar days after notice of the decision has been mailed to the applicant, permittee, licensee and affected persons who have requested in writing to be notified, unless a written request for final review accompanied by a filing fee in the amount of \$100 is filed with Department by the applicant, permittee, licensee or affected person.

Applicants, permittees, licensees, and affected parties are encouraged to engage in mediation during the final review process.

If the Board declines in writing to schedule a final review conference, the Department's decision becomes the final agency decision and an applicant, permittee, licensee, or affected person may request a contested case hearing before the Administrative Law Court within thirty (30) calendar days after notice is mailed that the Board declined to hold a final review conference.

I. Filing of Request for Final Review

1. A written Request for Final Review (RFR) and the required filing fee of one hundred dollars (\$100) must be received by Clerk of the Board within fifteen (15) calendar days after notice of the staff decision has been mailed to the applicant, permittee, licensee, or affected persons. If the 15th day occurs on a weekend or State holiday, the RFR must be received by the Clerk on the next working day. RFRs will not be accepted after 5:00 p.m.
2. RFRs shall be in writing and should include, at a minimum, the following information:
 - The grounds for amending, modifying, or rescinding the staff decision;
 - a statement of any significant issues or factors the Board should consider in deciding how to handle the matter;
 - the relief requested; and
 - a copy of the decision for which review is requested.
3. RFRs should be filed in person or by mail at the following address:

South Carolina Board of Health and Environmental Control
Attention: Clerk of the Board
2600 Bull Street
Columbia, South Carolina 29201

Alternatively, RFR's may be filed with the Clerk by facsimile (803-898-3393) or by electronic mail (boardclerk@dhec.sc.gov).

4. The filing fee may be paid by cash, certified check or credit card. If a RFR is filed by facsimile or electronic mail, the filing fee may be mailed to the Clerk of the Board and the envelope must be postmarked within the time allowed for filing a RFR.
5. If there is any perceived discrepancy in compliance with this RFR filing procedure, the Clerk should consult with the Chairman or, if the Chairman is unavailable, the Vice-Chairman. The Chairman or the Vice-Chairman will determine whether the RFR is timely and properly filed and direct the Clerk to (1) process the RFR for consideration by the Board or (2) return the RFR and filing fee to the requestor with a cover letter explaining why the RFR was not timely or properly filed. Processing an RFR for consideration by the Board shall not be interpreted as a waiver of any claim or defense by the agency in subsequent proceedings concerning the RFR.
6. If the RFR will be processed for Board consideration, the Clerk will send an Acknowledgement of RFR to the Requestor and the applicant, permittee, or licensee, if other than the Requestor.
7. The Clerk will email the RFR to all Board members for review, and all Board members will confirm receipt of the RFR to the Clerk by email. If a Board member does not confirm receipt of the RFR within twenty-four (24) hour period, the Clerk will contact the Board member and confirm receipt. If a Board member believes the RFR should be considered by the RFR Committee, he or she will respond to the Clerk's email within forty-eight (48) hours and will request further review. If no Board member requests further review of the RFR within the forty-eight (48) hour period, the Clerk will send a letter by certified mail to the Requestor, with copy by regular mail to the applicant, permittee, or licensee, if not the Requestor, stating the Board will not hold a Final Review Conference. A copy of the Notice of Appeal Procedure will be included with the letter.

NOTE: If the time periods described above end on a weekend or State holiday, the time is automatically extended to 5:00 p.m. on the next business day.

8. If the RFR is to be considered by the RFR Committee, the Clerk will forward a copy of the RFR to Department staff and Office of General Counsel. A Department response to the RFR should be provided by Department staff to the Clerk within eight (8) working days after the RFR is forwarded.

II. Final Review Conference Scheduling

1. If a Conference will be held, the Clerk will send a letter by certified mail to the Requestor, with copy by regular mail to the applicant, permittee, or licensee, if not the Requestor, informing the Requestor of the determination.
2. The Clerk will request Department staff provide the Administrative Record.
3. The Clerk will send Notice of Final Review Conference to the parties at least ten (10) days before the Conference. The Conference will be publically noticed and should:
 - include the place, date and time of the Conference;
 - state the presentation times allowed in the Conference;
 - state evidence may be presented at the Conference;
 - if the conference will be held by committee, include a copy of the Chairman's order appointing the committee; and
 - inform the Requestor of his or her right to request a transcript of the proceedings of the Conference prepared at Requestor's expense.
4. If a party requests a transcript of the proceedings of the Conference and agrees to pay all related costs in writing, including costs for the transcript, the Clerk will schedule a court reporter for the Conference.

III. Final Review Conference and Decision

1. The order of presentation in the Conference will, subject to the presiding officer's discretion, be as follows:
 - Department staff will provide an overview of the staff decision and the applicable law to include [10 minutes]:
 - Type of decision (permit, enforcement, etc.) and description of the program.
 - Parties
 - Description of facility/site
 - Applicable statutes and regulations
 - Decision and materials relied upon in the administrative record to support the staff decision.
 - Requestor(s) will state the reasons for protesting the staff decision and may provide evidence to support amending, modifying, or rescinding the staff decision. [15 minutes] *NOTE: The burden of proof is on the Requestor(s)*
 - Rebuttal by Department staff [15 minutes]
 - Rebuttal by Requestor(s) [10 minutes]

Note: Times noted in brackets are for information only and are superseded by times stated in the Notice of Final Review Conference or by the presiding officer.
2. Parties may present evidence during the conference; however, the rules of evidence do not apply.
3. At any time during the conference, the officers conducting the conference may request additional information and may question the Requestor, the staff, and anyone else providing information at the conference.
4. The presiding officer, in his or her sole discretion, may allow additional time for presentations and may impose time limits on the Conference.
5. All Conferences are open to the public.
6. The officers may deliberate in closed session.
7. The officers may announce the decision at conclusion of the Conference or it may be reserved for consideration.
8. The Clerk will mail the written final agency decision (FAD) to parties within 30 days after the Conference. The written decision must explain the basis for the decision and inform the parties of their right to request a contested case hearing before the Administrative Law Court. The FAD will be sent by certified mail, return receipt requested.
9. Communications may also be sent by electronic mail, in addition to the forms stated herein, when electronic mail addresses are provided to the Clerk.

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



Office of Environmental Quality Control

Bureau of Air Quality

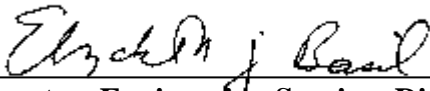
Title V Operating Permit

AVX CORPORATION
801 17th Ave S
Myrtle Beach, SC 29577

In accordance with the provisions of the *Pollution Control Act*, Sections 48-1-50(5) and 48-1-110(a), the 1976 *Code of Laws of South Carolina*, as amended, and *South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards*, the Bureau of Air Quality authorizes the operation of this facility and the equipment specified herein in accordance with valid construction permits, and the plans, specifications, and other information submitted in the Title V permit application received on , as amended.

The operation of this facility is subject to and conditioned upon the terms, limitations, standards, and schedules contained herein or as specified by this permit and its accompanying attachments.

Permit Number:	TV-1340-0002	Effective Date:	July 1, 2013
Issue Date:	April 17, 2013	Expiration Date:	June 30, 2018



Director, Engineering Services Division
Bureau of Air Quality

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RECORD OF REVISIONS			
Revision Number	Final Revision Date	Type of Revision (AA, MM, SM)	Description of Change (Specific Parts, Sections, and Tables Revised or Added)

AA = Administrative Amendment
MM = Minor Modification
SM = Significant Modification

Send copies of all revisions to Title V File, Regional EQC Office, US EPA, and Environmental Contact.

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PART 1 - GENERAL INFORMATION

PART 1.A - APPLICABLE PERMIT DATES

ISSUED DATE:	April 17, 2013
EFFECTIVE DATE:	July 1, 2013
EXPIRATION DATE:	June 30, 2018
RENEWAL APPLICATION DUE:	December 31, 2017

PART 1.B - FACILITY INFORMATION

FEDERAL TAX IDENTIFICATION NO.:	33-0379007
SIC CODE(S):	3675
NAICS CODE(S):	334414
EPA (AIRS) FACILITY ID NUMBER:	4505100002

PART 1.C - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS:	801 17th Ave S
CITY, STATE, ZIP FACILITY IS LOCATED IN:	Myrtle Beach, SC 29577
COUNTY FACILITY IS LOCATED IN:	Horry

PART 1.D - FACILITY ENVIRONMENTAL CONTACT INFORMATION

ENVIRONMENTAL CONTACT NAME:	Ralph Bryant
CONTACT MAILING ADDRESS:	PO Box 867
CONTACT CITY, STATE, ZIP:	Myrtle Beach SC 29578-0867
CONTACT TELEPHONE NUMBER:	843-946-0326
CONTACT INTERNET E-MAIL ADDRESS:	ralph.bryant@avx.com

PART 1.E - FACILITY BILLING ADDRESS

BILLING CONTACT NAME:	Ralph Bryant
BILLING CONTACT ADDRESS:	PO Box 867
BILLING CONTACT CITY, STATE, ZIP:	Myrtle Beach SC 29578-0867

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PART 2 - APPLICABILITY [S.C. Regulation 61-62.70.3(a)]

Condition Number	Condition
2.1	The following sources are subject to permitting requirements of Part 70: 1. Any major source; 2. Any source, including any area source, subject to a standard, limitation, or other requirement under Section 111 of the Clean Air Act (Act); 3. Any source, including any area source, subject to a standard or other requirement under Section 112 of the Act, except that a source is not required to obtain a permit solely because it is subject to regulations or requirements under Section 112(r) of the Act; 4. Any affected source under the Title IV Acid Rain Program; 5. Any source in a source category designated by the Administrator of the US Environmental Protection Agency (US EPA) (Administrator) pursuant to this Section; and 6. Any source listed in S.C. Regulation 61-62.70.3(a) that is exempt from the requirement to obtain a permit under S.C. Regulation 61-62.70.3(b) may opt to apply for a permit under this Part 70 program.
2.2	The following source categories are exempted from the obligation to obtain a Part 70 permit, but are not exempted from other S.C. Department of Health and Environmental Control (Department) and US EPA requirements [S.C. Regulation 61-62.70.3(b)(4)]: 1. All sources and source categories that would be required to obtain a permit solely because they are subject to 40 CFR 60, Subpart AAA - Standards of Performance for New Residential Wood Heaters; and 2. All sources and source categories that would be required to obtain a permit solely because they are subject to 40 CFR 61, Subpart M - National Emission Standard for Hazardous Air Pollutants for Asbestos, Section 61.145, Standard for Demolition and Renovation.
2.3	Any person that operates or proposes to operate a particular source or installation may submit a request in writing that the Department make a determination as to whether a particular source or installation is subject to the permit requirements of Part 70. The request must contain such information as is believed sufficient for the Department to make the requested determination. The Department may request any additional information that it needs for purposes of making the determination. [S.C. Regulation 61-62.70.3(e)]

PART 3 - GENERAL REQUIREMENTS

This part describes conditions and provisions applicable to all Part 70 sources. Specific source category conditions and requirements are contained in Part 5 of this permit.

PART 3.A - PERMIT ISSUANCE [S.C. Regulation 61-62.70.7(a)(1)]

Condition Number	Condition
3.A.1	A Title V operating permit does not excuse any facility from the preconstruction permitting requirements under S.C. Regulation 61-62.1.
3.A.2	A permit, permit modification, or renewal may be issued only if the following conditions have been met: 1. The Department has received a complete application for a permit, permit modification, or permit renewal; 2. Except for modifications qualifying for minor permit modification procedures under S.C. Regulation 61-62.70.7(e)(2) and (3) the Department has complied with the requirements for public participation under S.C. Regulation 61-62.70.7(h); 3. The Department has complied with the requirements for notifying and responding to affected States under S.C. Regulation 61-62.70.8(b); 4. The conditions of the permit provide for compliance with all applicable requirements and the requirements of

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PART 3.A - PERMIT ISSUANCE [S.C. Regulation 61-62.70.7(a)(1)]

Condition Number	Condition
5.	Part 70; and The Administrator has received a copy of the proposed permit and any notices required under S.C. Regulation 61-62.70.8(a) and (b), and has not objected to issuance of the permit under S.C. Regulation 61-62.70.8(c) within the required time frame.

PART 3.B - PERMIT RENEWAL AND EXPIRATION [S.C. Regulation 61-62.70.7(c)]

Condition Number	Condition
3.B.1	Permits being renewed are subject to the same procedural requirements, including those for public participation, affected State and US EPA review, that apply to initial permit issuance; and
3.B.2	Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with S.C. Regulation 61-62.70.5(a)(1)(iii), 62.70.5(a)(2)(iv), and 62.70.7(b). In this case, the permit shall not expire until the renewal permit has been issued or denied. All terms and conditions of the permit including any permit shield that may be granted pursuant to S.C. Regulation 61-62.70.6(f) shall remain in effect until the renewal permit has been issued or denied.

PART 3.C - SEVERABILITY [S.C. Regulation 61-62.70.6(a)(5)]

Condition Number	Condition
3.C.1	The provisions of this permit are severable, and if any provision of this permit, or application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

PART 3.D - FEE ASSESSMENT AND PAYMENT [S.C. Regulation 61-62.70.6(a)(7)]

Condition Number	Condition
3.D.1	The owners or operators of Part 70 sources shall pay fees to the Department consistent with the fee schedule approved pursuant to S.C. Regulation 61-62.70.9.

PART 3.E - SUBMITTAL OF INFORMATION [S.C. Regulation 61-62.70.6(a)(6)(v)]

Condition Number	Condition
3.E.1	The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request, in writing, to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. The Department may also request that the permittee furnish such records directly to the Administrator along with a claim of confidentiality.

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PART 3.F - PUBLIC PARTICIPATION [S.C. Regulation 61-62.70.7(h)]

Condition Number	Condition
3.F.1	Except for modifications qualifying for minor permit modification procedure, all permit proceedings, including initial permit issuance, significant modifications, and renewals, shall provide adequate procedures for public notice including offering an opportunity for public comment and hearing on the draft permit. These procedures shall meet all requirements of S.C. Regulation 61-62.70.7(h).

PART 3.G - PERMIT REOPENING [S.C. Regulation 61-62.70.7(f)]

Condition Number	Condition
3.G.1	The permit may be modified, revoked, reopened and reissued, or terminated for cause by the Department. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [S.C. Regulation 61-62.70.6(a)(6)(iii)].
3.G.2	This permit shall be reopened and revised under any of the following circumstances: <ol style="list-style-type: none"> 1. Additional applicable requirements under the Act become applicable to a major Part 70 source with a remaining permit term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement unless the regulation specifically provides for a longer compliance period. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to S.C. Regulation 61-62.70.7(c)(1)(ii). 2. Additional requirements, including excess emission requirements, become applicable to an affected source under the acid rain program. Excess emissions offset plans shall be deemed to be incorporated into this permit upon approval by the Administrator. 3. The Department or US EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit. 4. The Administrator or the Department determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
3.G.3	Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be as expeditious as practicable. Reopenings shall not be initiated before a notice of such intent is provided to the Part 70 source by the Department at least thirty (30) days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

PART 3.H - TEMPORARY SOURCES [S.C. Regulation 61-62.70.6(e)]

Condition Number	Condition
3.H.1	The Department may issue a single permit authorizing emissions from similar operations by the same source owner or operator at multiple temporary locations. The operation must be temporary and involve at least one change in location during the term of the permit. No sources subject to Title IV of the Act shall be permitted as a temporary source. Permits for temporary sources shall include all requirements of S.C. Regulation 61-62.70.6(e).

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PART 3.I - EMERGENCY PROVISIONS [S.C. Regulation 61-62.70.6(g)(3)]

Condition Number	Condition
3.I.1	In the case of an emergency, as defined in S.C. Regulation 61-62.70.6(g), the permittee shall demonstrate an affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that: <ol style="list-style-type: none"> 1. An emergency occurred and that the permittee can identify the cause(s) of the emergency; 2. The permitted facility was at the time being properly operated; and 3. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.
3.I.2	Additionally, the permittee shall submit verbal notification of the emergency to the Department within twenty-four (24) hours of the time when emission limitations were exceeded, followed by written notifications within thirty (30) days. This notice fulfills the requirement of S.C. Regulation 61-62.70.6(a)(3)(iii)(B). This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
3.I.3	This provision is in addition to any emergency or upset provision contained in any applicable requirement. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

PART 3.J - PROPERTY RIGHTS [S.C. Regulation 61-62.70.6(a)(6)(iv)]

Condition Number	Condition
3.J.1	This permit does not convey any property rights of any sort, or any exclusive privilege.

PART 3.K - ECONOMIC INCENTIVES, MARKETABLE PERMITS, EMISSION TRADING
[S.C. Regulation 61-62.70.6(a)(8)]

Condition Number	Condition
3.K.1	No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

PART 3.L - TITLE IV SOURCES [S.C. Regulation 61-62.70.6(a)(4)]

Condition Number	Condition
3.L.1	Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator. [S.C. Regulation 61-62.70.6(a)(1)(ii)]
3.L.2	The permittee is prohibited from emissions exceeding any allowances that the source lawfully holds under Title IV of the Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by a source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowances shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Act.

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PART 3.M - ADMINISTRATIVE PERMIT AMENDMENTS [S.C. Regulation 61-62.70.7(d)(3)]

Condition Number	Condition
3.M.1	An administrative permit amendment as defined in S.C. Regulation 61-62.70.7(d) can be made by the Department consistent with the following: <ol style="list-style-type: none"> 1. The Department shall take no more than sixty (60) days from receipt of a request for an administrative permit amendment to take final action on such request, and may incorporate such changes without providing notice to the public or affected States provided that it designates any such permit revisions as having been made pursuant to this paragraph. 2. The Department shall submit a copy of the revised permit to the Administrator. 3. The source may implement the changes addressed in the request for an administrative permit amendment immediately upon submittal of the request, except transfer of ownership/operation which must comply with S.C. Regulation 61-62.1, Section II(M).
3.M.2	Requests for an administrative permit amendment shall be submitted on a Department approved Title V Administrative Amendment Modification Form and a Department approved Title V Permit Application Facility Profile Form.

PART 3.N - MINOR PERMIT MODIFICATIONS [S.C. Regulation 61-62.70.7(e)(2)]

Condition Number	Condition
3.N.1	Minor permit modifications can be made by the Department in accordance with S.C. Regulation 61-62.70.7(e)(2)(i). An application requesting the use of minor permit modification procedures shall meet the requirements of S.C. Regulation 61-62.70.5(c) and shall include items as specified in S.C. Regulation 61-62.70.7(e)(2)(ii).
3.N.2	The Department may modify the procedure outlined in S.C. Regulation 61-62.70.7(e)(2) to process groups of a source's applications for certain modifications eligible for minor permit modification processing. Group processing of minor permit applications will proceed as outlined in S.C. Regulation 61-62.70.7(e)(3).
3.N.3	Requests for a minor permit modification shall be submitted on a Department approved Title V Minor Modification Form and a Department approved Title V Permit Application Facility Profile Form.

PART 3.O - SIGNIFICANT PERMIT MODIFICATION PROCEDURES [S.C. Regulation 61-62.70.7(e)(4)]

Condition Number	Condition
3.O.1	Significant permit modification procedures shall be used for applications requesting permit modifications listed in S.C. Regulation 61-62.70.7(e)(4)(i). Significant permit modifications shall meet all requirements of Part 70, including those for applications, public participation, review by affected States, and review by US EPA, as they apply to permit issuance and permit renewal.

PART 3.P - DUTY TO COMPLY [S.C. Regulation 61-62.70.6(a)(6)(i)]

Condition Number	Condition
3.P.1	The permittee must comply with all of the conditions of this permit. Any permit noncompliance constitutes a violation of the S.C. Pollution Control Act and/or the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of permit renewal application.

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PART 3.Q - INSPECTION AND ENTRY [S.C. Regulation 61-62.70.6(c)(2)]

Condition Number	Condition
3.Q.1	<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 upon the permittee's premises where a Part 70 source is located or 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 S.C. Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

PART 3.R - COMPLIANCE REQUIREMENTS [S.C. Regulation 61-62.70.6(c)(5)]

Condition Number	Condition
3.R.1	<p>Consistent with S.C. Regulations 61-62.70.6(a)(3), 61-62.70.6(a)(3)(iii)(A), and 61-62.70.6(c)(5), this permit contains compliance certification, testing, monitoring, reporting, and record keeping requirements sufficient to assure compliance with the terms and conditions of this permit. In accordance with the requirements of S.C. Regulation 61-62.70.5(d), any application form, report, or compliance certification submitted pursuant to these regulations shall contain certification by a responsible official (as defined by S.C. Regulation 61-62.70.2(cc)) of truth, accuracy and completeness.</p>
3.R.2	<p>The responsible official shall certify, annually, compliance with the conditions of this permit as required under S.C. Regulation 61-62.70.6(c). The compliance certification shall include the following:</p> <ol style="list-style-type: none"> 1. The identification of each term or condition of the permit that is the basis of the certification. 2. The identification of the method(s) or means used for determining the status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in S.C. Regulation 61-62.70.6(c)(5)(iii)(B). The certification shall identify each deviation and take it into account in the compliance certification. 3. The status of compliance with the terms and conditions of the permit for the period covered by the certification. 4. Such other facts as the Department may require to determine the compliance status of the source.

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PART 3.S - RECORD KEEPING REQUIREMENTS [S.C. Regulation 61-62.70.6(a)(3)(ii)]

Condition Number	Condition
3.S.1	<p>The permittee shall comply, where applicable, with the following monitoring/support information collection and retention record keeping requirements:</p> <ol style="list-style-type: none"> 1. Records of required monitoring information shall include the following: <ol style="list-style-type: none"> a. The date, place as defined in the permit, and time of sampling or measurements; b. The date(s) analyses were performed; c. The company or entity that performed the analyses; d. The analytical techniques or methods used; e. The results of such analyses; and f. The operating conditions as existing at the time of sampling or measurement; 2. Records of all required monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

PART 3.T - SCHEDULE OF COMPLIANCE [S.C. Regulation 61-62.70.5(c)(8)]

Condition Number	Condition
3.T.1	<p>The permittee shall submit a compliance schedule that contains the following for all Part 70 sources that are not in compliance with all applicable rules:</p> <ol style="list-style-type: none"> 1. A description of the source's compliance status and where appropriate a compliance schedule with respect to all applicable requirements as follows: <ol style="list-style-type: none"> a. For applicable requirements with which the source is in compliance, a statement that during the permit term the source will continue to comply with such requirements. b. For applicable requirements that will become effective during the permit term, a statement that the source will meet such requirements on a timely basis, unless a more detailed schedule is expressly required by the applicable requirement. c. A schedule of compliance for sources that are not in compliance with all applicable requirements at the time of permit issuance. This schedule shall include a narrative description of how the source will achieve compliance with such requirements, a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with all applicable requirements for which the source will be in noncompliance at the time of permit issuance. This compliance schedule shall be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. Any such schedule of compliance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. 2. A schedule for submission of certified progress reports no less frequently than every six (6) months for sources required to have a schedule of compliance to remedy a violation. Progress reports shall meet the requirements of S.C. Regulation 61-62.70.6(c)(4)(i) and (ii). 3. The compliance plan content requirements specified in this paragraph shall apply and be included in the acid rain portion of a compliance plan for an affected source, except as specifically superseded by regulations promulgated under Title IV of the Act with regard to the schedule and method(s) the source will use to achieve compliance with acid rain emissions limitations.

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PART 3.U - NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE [S.C. Regulation 61-62.70.6(a)(6)(ii)]

Condition Number	Condition
3.U.1	It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

PART 3.V - OPERATIONAL FLEXIBILITY [S.C. Regulation 61-62.70.7(e)(5)]

Condition Number	Condition
3.V.1	Changes under the Clean Air Act, Section 502(b)(10), are changes that contravene an express permit term. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. A permitted facility is authorized to make section 502(b)(10) changes within its facility without requiring a permit revision, if the changes are not modifications under any provision of Title I of the Act and the changes do not exceed the emissions allowable under this permit. The permitted facility shall provide the Administrator and the Department written notification as required by S.C. Regulation 61-62.70.7(e)(5) at least seven (7) days prior to such changes.
3.V.2	Requests for operational flexibility shall be submitted on a Department approved Title V Operational Flexibility Form and a Department approved Title V Permit Application Facility Profile Form.

PART 4 - FACILITY WIDE GENERAL REQUIREMENTS

This part describes conditions and provisions applicable to all Part 70 sources. Specific source category conditions and requirements are contained in Part 5 of this permit.

Condition Number	Condition
4.1	In accordance with S.C. Regulation 61-62.1, Section II, the permittee must comply with all applicable Air Quality statutes and regulations of the United States and the State of South Carolina. This permit does not relieve the permittee from compliance with applicable local laws, ordinances, and regulations such as, but not exclusive to zoning, building permits and other programs regulated by entities other than the Bureau of Air Quality.

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PART 4 - FACILITY WIDE GENERAL REQUIREMENTS

This part describes conditions and provisions applicable to all Part 70 sources. Specific source category conditions and requirements are contained in Part 5 of this permit.

Condition Number	Condition
4.2	<p>In accordance with S.C. Regulation 61-62.1, Section II(J), for sources not required to have continuous emissions monitors, 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 Department's local Environmental Quality Control (EQC) Regional office within twenty-four (24) hours after the beginning of the occurrence. The contact information for the local EQC Regional office can be found at http://www.scdhec.gov/environment/envserv/regions.htm.</p> <p>The owner or operator 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) and shall include as a minimum, the following:</p> <ol style="list-style-type: none"> 1. The identity of the stack and/or emission point where the excess emissions occurred; 2. The magnitude of excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the excess emissions; 3. The time and duration of excess emissions; 4. The identity of the equipment causing the excess emissions; 5. The nature and cause of such excess emissions; 6. The steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction; 7. The steps taken to limit the excess emissions; and, 8. Documentation that the air pollution control equipment, process equipment, or processes were at all times maintained and operated, to the maximum extent practicable, in a manner consistent with good practice for minimizing emissions. <p>This defines the Department's definition of prompt in its relation to the degree of reporting as specified by S.C. Regulation 61-62.70.6(a)(3)(iii)(B).</p>
4.3	<p>The owners or operators of Part 70 sources shall complete and submit a new updated emissions inventory consistent with the schedule approved pursuant to S.C. Regulation 61-62.1, Section III. These Emissions Inventory Reports shall be submitted to the Manager of the Emissions Inventory Section of the Bureau of Air Quality (BAQ).</p> <p style="text-align: center;">SCDHEC - BAQ Emissions Inventory Section 2600 Bull Street Columbia, SC 29201</p> <p>This requirement notwithstanding, an emissions inventory may be required at any time in order to determine the compliance status of any facility.</p>
4.4	The permittee shall comply with S.C. Regulation 61-62.2 "Prohibition of Open Burning."
4.5	The permittee shall comply with S.C. Regulation 61-62.4 "Hazardous Air Pollution Conditions."
4.6	The permittee shall comply with S.C. Regulation 61-62.6 "Control of Fugitive Particulate Matter", Section III "Control of Fugitive Particulate Matter Statewide."
4.7	The permittee shall comply with the standards of performance for asbestos abatement operations pursuant to 40 CFR Part 61.145, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.
4.8	The permittee shall comply with the standards of performance for asbestos abatement operations pursuant to S.C. Regulation 61-86.1, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.

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PART 4 - FACILITY WIDE GENERAL REQUIREMENTS

This part describes conditions and provisions applicable to all Part 70 sources. Specific source category conditions and requirements are contained in Part 5 of this permit.

Condition Number	Condition
4.9	The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, Protection of Stratospheric Ozone, Recycling and Emissions Reduction, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. If the permittee performs a service on motor (fleet) vehicles that involves ozone-depleting substance refrigerant in MVACs, the permittee is subject to all applicable requirements of 40 CFR Part 82, Subpart B, Servicing of MVACs.
4.10	A list of equipment which are considered insignificant pursuant to S.C. Regulation 61-62.70.5(c) has been submitted with your Title V application and reviewed by the Bureau. The list, including source descriptions and citation for insignificant status, is summarized in Attachment B of this permit. Attachment B excludes those activities identified in Section A of the Insignificant Activities List for S.C. Regulation 61-62.70 "Title V Operating Permit Program." Written notification to the Bureau of Air Quality is required for the addition of any new equipment which may meet the definition of insignificant or exempt, excluding those sources listed in Section A of the Insignificant Activities List for S.C. Regulation 61-62.70 "Title V Operating Permit Program."
4.11	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 quality 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.
4.12	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 Part 70 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 4.11. This is a State Only enforceable requirement.

PART 5 - EMISSION UNIT REQUIREMENTS

PART 5.A - EMISSION UNIT DESCRIPTION

Emission Unit ID	Emission Unit Description	Control Device ID	Control Device Type (Generic Description)
01-13	VOID	VOID	VOID
014	Raw Materials Manufacturing	CD-DC-A CD-DC-B CD-DC-C	Baghouse
015	Slip Manufacturing	None	N/A
016	Metals Department	None	N/A

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PART 5 - EMISSION UNIT REQUIREMENTS

PART 5.A - EMISSION UNIT DESCRIPTION

Emission Unit ID	Emission Unit Description	Control Device ID	Control Device Type (Generic Description)
017	CMAP Buildup	CD-AD-1 CD-AD-2 CD-AD-3 CD-TO-1	Adsorber/Desorber, Thermal Oxidizer
018	CMAP Support	CD-MB2-BH	Baghouse
019	Metallization Department	None	N/A
020	Thin Film Process	CD-TFS	Scrubber
021	Miscellaneous Support	None	N/A

N/A = Not Applicable

PART 5.B - GENERIC EMISSION UNIT CONDITIONS

Condition Number	Emission Unit ID	Equipment/Control Device ID	Condition
5.B.1	014 017 018 020	CD-DC-A CD-DC-B CD-DC-C CD-AD-1 CD-AD-2 CD-AD-3 CD-TO-1 CD-MB2-BH CD-TFS	<p>All gauges shall be readily accessible and easily read by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Monitoring parameter readings (i.e., pressure drop readings, etc.) and inspection checks shall be maintained in logs (written or electronic), along with any corrective action taken when deviations occur. Each incidence of operation outside the operational ranges, including date and time, cause, and corrective action taken, shall be recorded and kept on site.</p> <p>Exceedance of operational range shall not be considered a violation of an emission limit of this permit, unless the exceedance is also accompanied by other information demonstrating that a violation of an emission limit has taken place. Reports of these incidences shall be submitted semiannually. If no incidences occurred during the reporting period then a letter shall indicate such.</p> <p>Any alternative method for monitoring control device performance must be preapproved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7.</p>
5.B.2	017 020	CD-AD-1 CD-AD-2 CD-AD-3 CD-TO-1 CD-TFS	<p>Unless otherwise specified in a condition, the owner or operator shall submit a site-specific test plan or a letter which amends a previously approved test plan to the Department at least 45 days prior to the proposed test date.</p> <p>Prior to conducting a source test, the owner or operator shall ensure that written notification is submitted to the Department at least two weeks prior to the test date. All source test reports shall be submitted to the Department no later than 30 days after the completion of the on-site testing.</p> <p>Site-specific test plans and amendments, notifications, and source test reports shall be submitted to the Manager of the Source Evaluation Section, Bureau of Air Quality (BAQ).</p> <p style="text-align: right;">SCDHEC - BAQ Source Evaluation Section</p>

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PART 5.B - GENERIC EMISSION UNIT CONDITIONS

Condition Number	Emission Unit ID	Equipment/Control Device ID	Condition
			2600 Bull Street Columbia, SC 29201
5.B.3	All Sources	All Sources	The owner/operator shall maintain on file all measurements including continuous monitoring system or monitoring device performance measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required in a permanent form suitable for inspection by Department personnel.
5.B.4	All Sources	All Sources	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.
5.B.5	All Sources	All Sources	Equipment capacities provided under the Equipment Description column of the Equipment Tables in Part 5.C are not intended to be permit limits unless otherwise specified within the Table of Conditions for the particular equipment. However, this condition does not exempt the facility from the construction permitting process, from PSD review, nor from any other applicable requirements that must be addressed prior to increasing production rates.

PART 5.C - EMISSION UNIT - LIMITATIONS, MONITORING AND REPORTING
[S.C. Regulation 61-62.1, Section II]; [S.C. Regulation 61-62.70.6(a)(3)(i)(B)]

PART 5.C.01a - EQUIPMENT FOR EMISSION UNIT ID 014 - Raw Materials Manufacturing

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
RMMPG	4 Machines for Grinding Ceramic Prills	1983-1989	CD-DC-A CD-DC-B CD-DC-C	15A-1 15B-1 15C-1
RMMPSC	6 Prep Devices for Adding Dry Material to Slurry	1993-1997	CD-DC-A CD-DC-B CD-DC-C	15A-1 15B-1 15C-1
RMMRPILL	7 Machines for Making Ceramic Prills	1983-1989	CD-DC-A CD-DC-B CD-DC-C	15A-1 15B-1 15C-1

PART 5.C.01b - CONTROL DEVICE(S) FOR EMISSION UNIT ID 014 - Raw Materials Manufacturing

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
CD-DC-A	Baghouse	1987	PM; PM ₁₀ ; PM _{2.5}
CD-DC-B	Baghouse	1987	PM; PM ₁₀ ; PM _{2.5}

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PART 5.C.01b - CONTROL DEVICE(S) FOR EMISSION UNIT ID 014 - Raw Materials Manufacturing

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
CD-DC-C	Baghouse	1985	PM; PM ₁₀ ; PM _{2.5}

PART 5.C.01c - CONDITIONS FOR EMISSION UNIT ID 014 - Raw Materials Manufacturing

Condition Number	Equipment/Control Device ID	Regulated Pollutant/Standard	Conditions						
014.1	All Sources	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) shall not exhibit an opacity greater than 20%, each.</p> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The permittee shall perform a visual inspection during source operation on a daily basis. Visual Inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal emissions. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports.</p>						
014.2	All Sources	PM	<p>Limits/Standards: In accordance with S.C. 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" data-bbox="652 1583 1443 1713"> <thead> <tr> <th>Process</th> <th>Emission Limit (lbs/hr)</th> <th>Process Weight Rate (tons/hr)</th> </tr> </thead> <tbody> <tr> <td>Raw Materials Manufacturing</td> <td>3.22</td> <td>0.7</td> </tr> </tbody> </table> <p>State Only: No</p> <p>Testing: Not Required.</p>	Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)	Raw Materials Manufacturing	3.22	0.7
Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)							
Raw Materials Manufacturing	3.22	0.7							

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PART 5.C.01c - CONDITIONS FOR EMISSION UNIT ID 014 - Raw Materials Manufacturing

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions
			<p>Monitoring/Record Keeping/Reporting/Other: The owner/operator shall continue to operate and maintain pressure drop gauge(s) on each module of the baghouse(s). Pressure drop readings shall be recorded daily during source operation and shall be within the ranges specified in Attachment D. The baghouse(s) shall be in place and operational whenever processes controlled by the baghouse(s) are running, except during periods of baghouse malfunction or mechanical failure.</p> <p>The owner/operator shall maintain an adequate supply of bags on hand to replace any defective bags in each dust collector or baghouse, and ruptured or inoperative bags will be replaced promptly. Any baghouse with an excess of bags unserviceable will be isolated until the situation is corrected. A log will be kept of bag maintenance, specifically the time and date bags are replaced. These records will be readily made available to Department personnel upon request.</p>

PART 5.C.02a - EQUIPMENT FOR EMISSION UNIT ID 015 - Slip Manufacturing

Equipment ID	Equipment Description	Installation Date/ Modification Date	Control Device ID	Emission Point ID
SMILL	19 Machines to Mill Ceramic Material	1997	None	FUGITIVE
SMIX	35 Machines to Mix Ceramic Slurry	1980-1997	None	FUGITIVE

PART 5.C.02b - CONTROL DEVICE(S) FOR EMISSION UNIT ID 015 - Slip Manufacturing

Control Device ID	Control Device Description	Installation Date/ Modification Date	Pollutant(s) Controlled
None	None	None	None

PART 5.C.02c - CONDITIONS FOR EMISSION UNIT ID 015 - Slip Manufacturing

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions
015.1	All Sources	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) shall not exhibit an opacity greater than 20%, each.</p> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The permittee shall perform a visual inspection during source operation on a weekly basis. Visual Inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause and corrective action taken</p>

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PART 5.C.02c - CONDITIONS FOR EMISSION UNIT ID 015 - Slip Manufacturing

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions
			for any abnormal emissions. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports.

PART 5.C.03a - EQUIPMENT FOR EMISSION UNIT ID 016 - Metals Department

Equipment ID	Equipment Description	Installation Date/ Modification Date	Control Device ID	Emission Point ID
MMILL	8 Machines to Mill Electrode Inks and Termination Pastes	1980-1999	None	MD1C-1 MD2C-1 MD3C-1
MMIX	27 Machines to Mix Electrode Inks and Termination Pastes	1980-2000	None	MD3C-1

PART 5.C.03b - CONTROL DEVICE(S) FOR EMISSION UNIT ID 016 - Metals Department

Control Device ID	Control Device Description	Installation Date/ Modification Date	Pollutant(s) Controlled
None	None	None	None

PART 5.C.03c - CONDITIONS FOR EMISSION UNIT ID 016 - Metals Department

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions
016.1	All Sources	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) shall not exhibit an opacity greater than 20%.</p> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The permittee shall perform a visual inspection during source operation on a weekly basis. Visual Inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal emissions. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of</p>

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PART 5.C.03c - CONDITIONS FOR EMISSION UNIT ID 016 - Metals Department

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions						
			uncombined water. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports.						
016.2	All Sources	PM	<p>Limits/Standards: In accordance with S.C. 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" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Process</th> <th style="text-align: center;">Emission Limit (lbs/hr)</th> <th style="text-align: center;">Process Weight Rate (tons/hr)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Metals Department</td> <td style="text-align: center;">2.91</td> <td style="text-align: center;">0.6</td> </tr> </tbody> </table> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The facility shall maintain production records, material purchases and any other records necessary to determining the process weight rate. The process weight rate shall be calculated on a monthly basis and a twelve month rolling average shall be calculated for the total process weight rate. The twelve month rolling average shall not exceed 0.6 tons per hour. The owner/operator must record the actual production rates monthly. Reports of the calculated values and the twelve-month rolling average shall be submitted semiannually.</p> <p>An algorithm, including example calculations, explaining the method used to determine the actual process weight rate shall be included in the initial report. Subsequent submittals of the algorithm and example calculations are unnecessary, unless the method of calculation is found to be unacceptable by the Bureau or if the facility changes the method of calculating emissions and/or changes emission factors.</p>	Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)	Metals Department	2.91	0.6
Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)							
Metals Department	2.91	0.6							

PART 5.C.04a - EQUIPMENT FOR EMISSION UNIT ID 017 - CMAP Buildup

Equipment ID	Equipment Description	Installation Date/ Modification Date	Control Device ID	Emission Point ID
CMAP	24 CMAP Machines	1998-2001	CD-AD-1 CD-AD-2 CD-AD-3 CD-TO-1	NMFS-F1 NMFS-F2
CMAPCLN	CMAP Cleaning Operations (Fugitive)	1998-2001	None	FUGITIVE
CMAPFUG	Fugitive Emissions from CMAP	1998-2001	None	FUGITIVE

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PART 5.C.04b - CONTROL DEVICE(S) FOR EMISSION UNIT ID 017 - CMAP Buildup

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
CD-AD-1	Fluisorb Adsorber/Desorber System	1998	N/A
CD-AD-2	Fluisorb Adsorber/Desorber System	2000	N/A
CD-AD-3	Fluisorb Adsorber/Desorber System	2001	N/A
CD-TO-1	Thermal Oxidizer	1999	VOC

PART 5.C.04c - CONDITIONS FOR EMISSION UNIT ID 017 - CMAP Buildup

Condition Number	Equipment/Control Device ID	Regulated Pollutant/Standard	Conditions
017.1	All Sources	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) shall not exhibit an opacity greater than 20%, each.</p> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The permittee shall perform a visual inspection during source operation on a weekly basis. Visual Inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal emissions. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports.</p>
017.2	CD-TO-1	Opacity	<p>Limits/Standards: In accordance with SC Regulation 61 62.5, Standard No. 3 - Waste Combustion And Reduction, Section III(I) - Industrial Incinerators, emissions from the thermal oxidizer shall not exhibit an opacity greater than 20%.</p> <p>State Only: Yes</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The permittee shall perform a visual inspection during source operation on a daily basis. Visual Inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal emissions. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water. Logs shall be kept to record all visual inspections, including cause and corrective action</p>

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PART 5.C.04c - CONDITIONS FOR EMISSION UNIT ID 017 - CMAP Buildup

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions
			taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports.
017.3	CD-TO-1	PM	<p>Limits/Standards: In accordance with SC Regulation 61 62.5, Standard No. 3 - Waste Combustion And Reduction, Section III(I) - Industrial Incinerators, emissions from the thermal oxidizer shall not exhibit particulate matter greater than 0.5 lb/million BTU.</p> <p>State Only: Yes</p> <p>Testing: Not required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The owner/operator shall continue to operate and maintain a pressure drop indicator on each absorber/desorber unit, a temperature gauge on each adsorber/desorber unit, and a continuous temperature gauge on the thermal oxidizer. The owner/operator shall continue to operate and maintain the continuous monitoring system on the adsorber/desorber/thermal oxidizer system.</p> <p>Temperature and pressure readings on the adsorber/desorber units shall be recorded daily during source operation. The adsorber/desorber units shall be in place and operational whenever processes controlled by the adsorber/desorber units are running, except during periods of regenerative adsorber/desorber unit malfunction or mechanical failure.</p> <p>The owner/operator shall also continue to operate and maintain the alarm feature in the continuous monitoring system (as proposed in the January 14, 2000 letter to the Bureau of Air Quality) to provide notification if the combustion zone temperature deviates from the prescribed range. The Bureau also requests that a hard copy (such as a chart) of the time & date when the alarm is triggered be maintained and kept on site. Likewise, the Bureau requests that a logbook be kept to record any corrective action taken as a result of such temperature deviation.</p> <p>All pressure and temperature readings shall be within the ranges specified in Appendix D. The readings shall be maintained in logs, along with any corrective action taken when exceedances occur, and these logs shall be maintained on site. This log shall include, but not be limited to, the following:</p> <ol style="list-style-type: none"> a. The date, time, and duration of each adsorber/desorber or thermal oxidizer malfunction/failure or for any other reason such as the performance of planned maintenance on the units; b. The nature of such malfunction or failure; and c. The corrective action taken. <p>The owner or operator of any source subject to any of the provisions of this standard shall record the daily waste(s) charge rates and hours of operation.</p> <p>Reports of any exceedance incidences of the the above recorded parameters and calculated values shall be submitted semiannually. If no incidences occurred during the reporting period then a statement indicating such shall be included in the seminannual report</p>

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PART 5.C.04c - CONDITIONS FOR EMISSION UNIT ID 017 - CMAP Buildup

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions																																								
			<p>Reports 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.</p>																																								
017.4	All Sources	VOC	<p>Limits/Standards: These sources are subject to 40 CFR 64, Compliance Assurance Monitoring and shall comply with all applicable provisions.</p> <p>To meet the requirements of 40 CFR 64 the owner/operator shall continue to operate and maintain the indicators shown below as the measurement approach:</p> <table border="1" data-bbox="605 753 1492 1329"> <thead> <tr> <th data-bbox="605 753 773 848">Emission Unit</th> <th data-bbox="773 753 997 848">Equipment Name and ID</th> <th data-bbox="997 753 1235 848">Applicable Requirement</th> <th data-bbox="1235 753 1492 848">Indicator and Measurement Approach</th> </tr> </thead> <tbody> <tr> <td data-bbox="605 848 773 911">017</td> <td data-bbox="773 848 997 911">CMAP</td> <td data-bbox="997 848 1235 911">SC Reg. 61-62.1, Sect. II(E)</td> <td data-bbox="1235 848 1492 911">Adsorber ΔP</td> </tr> <tr> <td data-bbox="605 911 773 974">017</td> <td data-bbox="773 911 997 974">CMAP</td> <td data-bbox="997 911 1235 974">SC Reg. 61-62.1, Sect. II(E)</td> <td data-bbox="1235 911 1492 974">Desorber Temperature</td> </tr> <tr> <td data-bbox="605 974 773 1037">017</td> <td data-bbox="773 974 997 1037">CMAP</td> <td data-bbox="997 974 1235 1037">SC Reg. 61-62.1, Sect. II(E)</td> <td data-bbox="1235 974 1492 1037">Thermal Oxidizer Temperature</td> </tr> <tr> <td data-bbox="605 1037 773 1100">017</td> <td data-bbox="773 1037 997 1100">CMAP</td> <td data-bbox="997 1037 1235 1100">SC Reg. 61-62.1, Sect. II(E)</td> <td data-bbox="1235 1037 1492 1100">Bead Activated Carbon Density</td> </tr> <tr> <th data-bbox="605 1100 773 1163">Monitoring Frequency</th> <th data-bbox="773 1100 997 1163">Range</th> <th data-bbox="997 1100 1235 1163">Excursion</th> <th data-bbox="1235 1100 1492 1163">Averaging Period</th> </tr> <tr> <td data-bbox="605 1163 773 1205">Daily</td> <td data-bbox="773 1163 997 1205">1"-5" H₂O</td> <td data-bbox="997 1163 1235 1205">Outside of Range</td> <td data-bbox="1235 1163 1492 1205">N/A</td> </tr> <tr> <td data-bbox="605 1205 773 1247">Daily</td> <td data-bbox="773 1205 997 1247">350 – 650 deg F</td> <td data-bbox="997 1205 1235 1247">Outside of Range</td> <td data-bbox="1235 1205 1492 1247">N/A</td> </tr> <tr> <td data-bbox="605 1247 773 1289">Continuous</td> <td data-bbox="773 1247 997 1289">1400-1800 deg F</td> <td data-bbox="997 1247 1235 1289">Outside of Range</td> <td data-bbox="1235 1247 1492 1289">6 minute</td> </tr> <tr> <td data-bbox="605 1289 773 1329">Quarterly</td> <td data-bbox="773 1289 997 1329">0.52-0.86 mg/100 mL</td> <td data-bbox="997 1289 1235 1329">Above Range</td> <td data-bbox="1235 1289 1492 1329">N/A</td> </tr> </tbody> </table> <p>The indicators shown shall be used to provide assurance of compliance with each applicable requirement.</p> <p>These operational ranges for the monitored parameters were derived from data, which demonstrate a reasonable assurance of compliance.</p> <p>State Only: No</p> <p>Testing: An initial source test for VOC emissions shall be conducted within 180 days after the effective date of this permit and every 3 year(s) thereafter.</p> <p>Monitoring/Record Keeping/Reporting/Other: QA/QC practices, etc. shall consist of routine inspection and repair in accordance with manufacturer recommendations as outlined in the CAM plan.</p> <p>An excursion is defined as any operating condition where the indicator is outside of the</p>	Emission Unit	Equipment Name and ID	Applicable Requirement	Indicator and Measurement Approach	017	CMAP	SC Reg. 61-62.1, Sect. II(E)	Adsorber ΔP	017	CMAP	SC Reg. 61-62.1, Sect. II(E)	Desorber Temperature	017	CMAP	SC Reg. 61-62.1, Sect. II(E)	Thermal Oxidizer Temperature	017	CMAP	SC Reg. 61-62.1, Sect. II(E)	Bead Activated Carbon Density	Monitoring Frequency	Range	Excursion	Averaging Period	Daily	1"-5" H ₂ O	Outside of Range	N/A	Daily	350 – 650 deg F	Outside of Range	N/A	Continuous	1400-1800 deg F	Outside of Range	6 minute	Quarterly	0.52-0.86 mg/100 mL	Above Range	N/A
Emission Unit	Equipment Name and ID	Applicable Requirement	Indicator and Measurement Approach																																								
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PART 5.C.04c - CONDITIONS FOR EMISSION UNIT ID 017 - CMAP Buildup

Condition Number	Equipment/Control Device ID	Regulated Pollutant/Standard	Conditions
			approved range for the specified averaging period. Upon detecting an excursion, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing any startup, shutdown or malfunction period and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion (other than those caused by excused startup and shutdown conditions).

PART 5.C.05a - EQUIPMENT FOR EMISSION UNIT ID 018 - CMAP Support

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
DD	5 Dry Dicing Machines	2000	CD-MB2-BH	NMFS-BH

PART 5.C.05b - CONTROL DEVICE(S) FOR EMISSION UNIT ID 018 - CMAP Support

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
CD-MB2-BH	Baghouse	1998	PM; PM ₁₀ ; PM _{2.5}

PART 5.C.05c - CONDITIONS FOR EMISSION UNIT ID 018 - CMAP Support

Condition Number	Equipment/Control Device ID	Regulated Pollutant/Standard	Conditions
018.1	All Sources	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) shall not exhibit an opacity greater than 20%, each.</p> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The permittee shall perform a visual inspection during source operation on a daily basis. Visual Inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal emissions. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting,</p>

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PART 5.C.05c - CONDITIONS FOR EMISSION UNIT ID 018 - CMAP Support

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions						
			<p>and observer position relative to lighting, wind, and the presence of uncombined water. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports.</p>						
018.2	All Sources	PM	<p>Limits/Standards: In accordance with S.C. 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" data-bbox="652 861 1445 961"> <thead> <tr> <th>Process</th> <th>Emission Limit (lbs/hr)</th> <th>Process Weight Rate (tons/hr)</th> </tr> </thead> <tbody> <tr> <td>CMAP Support</td> <td>0.2</td> <td>0.011</td> </tr> </tbody> </table> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The owner/operator shall continue to operate and maintain pressure drop gauge(s) on each module of the baghouse(s). Pressure drop readings shall be recorded daily during source operation and shall be within the ranges specified in Attachment D. The baghouse(s) shall be in place and operational whenever processes controlled by the baghouse(s) are running, except during periods of baghouse malfunction or mechanical failure.</p> <p>The owner/operator shall maintain an adequate supply of bags on hand to replace any defective bags in each dust collector or baghouse, and ruptured or inoperative bags will be replaced promptly. Any baghouse with an excess of bags unserviceable will be isolated until the situation is corrected. A log will be kept of bag maintenance, specifically the time and date bags are replaced. These records will be readily made available to Department personnel upon request.</p> <p>The owner/operator shall conduct and log maintenance inspections of all baghouses to ensure proper operation. The inspection log shall be made available to Department personnel upon request.</p> <p>Pressure drop readings shall be required for Dicer baghouses (Control Device ID #CD-MB2-BH) only when the dicers are operating in "dry mode." When the Dicers are operating in "wet mode," the requirement for pressure drop readings shall be suspended until such time as the dicers are again operated in "dry mode." On the days when the dicers are operating in "wet mode," a clear notation shall be made in the baghouse log indicating such.</p>	Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)	CMAP Support	0.2	0.011
Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)							
CMAP Support	0.2	0.011							

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PART 5.C.05c - CONDITIONS FOR EMISSION UNIT ID 018 - CMAP Support

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions

PART 5.C.06a - EQUIPMENT FOR EMISSION UNIT ID 019 - Metallization Department

Equipment ID	Equipment Description	Installation Date/ Modification Date	Control Device ID	Emission Point ID
PBSBE	3 Nickel/Tin/Lead Plating Lines	2007-2008	None	7C-2A 7C-2B
TOVEN	9 Termination Ovens to Cure Termination Paste	1993-2000	None	FUGITIVE
TTOOL	20 Machines that Apply Termination Paste to Capacitor Chips	1981-2000	None	FUGITIVE

PART 5.C.06b - CONTROL DEVICE(S) FOR EMISSION UNIT ID 019 - Metallization Department

Control Device ID	Control Device Description	Installation Date/ Modification Date	Pollutant(s) Controlled
None	None	None	None

PART 5.C.06c - CONDITIONS FOR EMISSION UNIT ID 019 - Metallization Department

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions
019.1	All Sources	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) shall not exhibit an opacity greater than 20%, each.</p> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The permittee shall perform a visual inspection during source operation on a weekly basis. Visual Inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal emissions. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports.</p>
019.2	All Sources	PM	<p>Limits/Standards: In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter</p>

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PART 5.C.06c - CONDITIONS FOR EMISSION UNIT ID 019 - Metallization Department

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions						
			<p>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" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Process</th> <th style="text-align: center;">Emission Limit (lbs/hr)</th> <th style="text-align: center;">Process Weight Rate (tons/hr)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Metalization Department</td> <td style="text-align: center;">2.97</td> <td style="text-align: center;">0.62</td> </tr> </tbody> </table> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The facility shall maintain production records, material purchases and any other records necessary to determining the process weight rate. The process weight rate shall be calculated on a monthly basis and a twelve month rolling average shall be calculated for the total process weight rate. The twelve month rolling average shall not exceed 0.62 tons per hour. The owner/operator must record the actual production rates monthly. Reports of the calculated values and the twelve-month rolling average shall be submitted semiannually.</p> <p>An algorithm, including example calculations, explaining the method used to determine the actual process weight rate shall be included in the initial report. Subsequent submittals of the algorithm and example calculations are unnecessary, unless the method of calculation is found to be unacceptable by the Bureau or if the facility changes the method of calculating emissions and/or changes emission factors.</p>	Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)	Metalization Department	2.97	0.62
Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)							
Metalization Department	2.97	0.62							

PART 5.C.07a - EQUIPMENT FOR EMISSION UNIT ID 020 - Thin Film Process

Equipment ID	Equipment Description	Installation Date/ Modification Date	Control Device ID	Emission Point ID
TFP	Thin Film Process	2002	CD-TFS	NMFS-TFS

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PART 5.C.07b - CONTROL DEVICE(S) FOR EMISSION UNIT ID 020 - Thin Film Process

Control Device ID	Control Device Description	Installation Date/ Modification Date	Pollutant(s) Controlled
CD-TFS	2 Fluidized Bed Scrubbers	2002	PM; PM ₁₀ ; PM _{2.5} ; 2-Ethanolamine; Hydrochloric Acid; Hydrogen Fluoride; Lead; Nitric Acid; Phosphoric Acid; Sulfuric Acid; VOC

PART 5.C.07c - CONDITIONS FOR EMISSION UNIT ID 020 - Thin Film Process

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions
020.1	All Sources	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) shall not exhibit an opacity greater than 20%, each.</p> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The permittee shall perform a visual inspection during source operation on a weekly basis. Visual Inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal emissions. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports.</p>
020.2	All sources	PM	<p>In accordance with S.C. 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>

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PART 5.C.07c - CONDITIONS FOR EMISSION UNIT ID 020 - Thin Film Process

Condition Number	Equipment/Control Device ID	Regulated Pollutant/Standard	Conditions		
			Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)
			Thin Film Process	0.318	0.022
			<p>State Only: No</p> <p>Testing: In accordance with SC Regulation 61-62.5, Standard 4, an initial source test for PM emissions shall be conducted within 180 days after the effective date of this permit and every 3 year(s) thereafter.</p> <p>Monitoring/Record Keeping/Reporting/Other: The facility AVX shall continue to operate, calibrate and maintain pressure drop indicators & pH meters on the fluidized bed scrubber (Thin Film Scrubber). Both parameters shall be recorded during source operation daily. All monitoring devices shall be readily accessible to operating personnel and Department inspectors and shall be calibrated annually according to manufacturer's specifications. Operational ranges for the monitored parameters shall be established to provide a reasonable assurance of compliance. These operational ranges for the monitored parameters shall be derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment in compliance. The facility shall maintain previously established operational ranges for these monitored parameters. The operating ranges may be updated using this procedure, following Bureau approval. Pressure drops & pH readings shall be recorded and records maintained on site for a period of at least five (5) years and shall be made available to Department personnel upon request.</p> <p>The facility shall conduct and log maintenance inspections of all scrubbers to ensure proper operation in accordance with the preventative maintenance (PM) plan for these units. The log shall be maintained on site for a period of at least five (5) years from the date generated and shall be made available to Department personnel upon request, and shall further include, but be not limited to, the following:</p> <ol style="list-style-type: none"> a. The date, time, and duration of each scrubber malfunction/failure or for any other reason such as the performance of planned maintenance on the scrubber; b. The nature of such malfunction/failure (i.e. leaks in pipes/manifolds/pumps/valves, clogged nozzles, corrosion, etc.); and, c. Records of calibration of all gauges or meters. 		

PART 5.C.08a - EQUIPMENT FOR EMISSION UNIT ID 021 - Miscellaneous Support

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
B201	16.738 MMBtu/hr Natural Gas Fired Boiler	1999	None	NMFS-B1
SS	4 Soldering Stations	2010	None	NMF-S
ST	Groundwater Air Stripping Tower	2009	None	ST-1

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PART 5.C.08b - CONTROL DEVICE(S) FOR EMISSION UNIT ID 021 - Miscellaneous Support

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
None	None	None	None

PART 5.C.08c - CONDITIONS FOR EMISSION UNIT ID 021 - Miscellaneous Support

Condition Number	Equipment/Control Device ID	Regulated Pollutant/Standard	Conditions						
021.1	SS	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) shall not exhibit an opacity greater than 20%, each.</p> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The permittee shall perform a visual inspection during source operation on a weekly basis. Visual Inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal emissions. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports.</p>						
021.2	SS	PM	<p>Limits/Standards: In accordance with S.C. 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" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Process</th> <th style="text-align: center;">Emission Limit (lbs/hr)</th> <th style="text-align: center;">Process Weight Rate (tons/hr)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Soldering Stations</td> <td style="text-align: center;">1.83</td> <td style="text-align: center;">0.3</td> </tr> </tbody> </table> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The facility shall maintain production records, material purchases and any other records necessary to determining the process weight rate. The process weight rate shall be calculated on a monthly basis and a twelve</p>	Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)	Soldering Stations	1.83	0.3
Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)							
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PART 5.C.08c - CONDITIONS FOR EMISSION UNIT ID 021 - Miscellaneous Support

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions
			<p>month rolling average shall be calculated for the total process weight rate. The twelve month rolling average shall not exceed 0.3 tons per hour. The owner/operator must record the actual production rates monthly. Reports of the calculated values and the twelve-month rolling average shall be submitted semiannually.</p> <p>An algorithm, including example calculations, explaining the method used to determine the actual process weight rate shall be included in the initial report. Subsequent submittals of the algorithm and example calculations are unnecessary, unless the method of calculation is found to be unacceptable by the Bureau or if the facility changes the method of calculating emissions and/or changes emission factors.</p>
021.3	B201	Opacity	<p>Limits/Standards: In accordance with S.C. Regulation 61-62.5, Standard No. 1, Emissions from Fuel Burning Operations, the boiler shall not discharge into the ambient air smoke which exceeds an opacity of 20%. The opacity standards set forth above apply at all times. The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions.</p> <p>State Only: No</p> <p>Testing: Not required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The permittee shall perform a visual inspection during source operation on a daily basis. Visual Inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal emissions. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports.</p>
021.4	B201	PM	<p>Limits/Standards: In accordance with SC Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section II - Particulate Matter Emissions, the allowable discharge of particulate matter resulting from the fuel burning operations is 0.6 pounds per million BTU input.</p> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The facility has demonstrated by engineering calculation that the uncontrolled emissions from this boiler are 0.009 pounds per million BTU which is less than the limit of 0.6 pounds per million BTU.</p>
021.5	B201	SO ₂	<p>Limits/Standards: In accordance with SC Regulation 61-62.5, Standard No. 1 - Emissions</p>

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PART 5.C.08c - CONDITIONS FOR EMISSION UNIT ID 021 - Miscellaneous Support

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions
			<p>from Fuel Burning Operations, Section III - Sulfur Dioxide Emissions, the maximum allowable discharge of sulfur dioxide (SO₂) resulting from the fuel burning operations is 3.5 pounds per million BTU input.</p> <p>State Only: No</p> <p>Testing: Not Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The facility has demonstrated by engineering calculation that the uncontrolled emissions from this boiler are 0.0006 pounds per million BTU which is less than the limit of 3.5 pounds per million BTU.</p>
021.6	B201	N/A	<p>Limits/Standards: The boiler is subject to New Source Performance Standards (NSPS), 40 CFR 60 subparts A and Dc, Small Industrial-Commercial-Institutional Steam Generating Units and South Carolina Regulation 61-62.60, Subparts A and Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, as applicable.</p> <p>State Only: No</p> <p>Testing: Not required.</p> <p>Monitoring/Record Keeping/Reporting/Other: Compliance with the regulation will be by burning only natural gas for fuel. The use of other fuels will subject this source to additional emission limitations and is prohibited without prior written approval from the Bureau of Air Quality. The owner/operator shall record and maintain records of the amounts and types of each fuel combusted by the boiler. The amount and type of fuel combusted shall be recorded monthly.</p>

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PART 5.D. - CONDITIONS FOR FACILITY WIDE - LIMITATIONS, MONITORING AND REPORTING
[S.C. Regulation 61-62.1, Section II]; [S.C. Regulation 61-62.70.6(a)(3)(i)(B)]

Condition Number	Regulated Pollutant/ Standard	Conditions
5.D.1	Volatile Organic Compounds	<p>Limits/Standards: This facility is a potential major source for VOC emissions. The facility has agreed to federally enforceable operating limitations to limit its potential to emit to less than 250 tons per year for VOC emissions to avoid SC Regulation, 61-62.5, Standard 7, Prevention of Significant Deterioration or PSD.</p> <p>State Only: No</p> <p>Testing: In accordance with SC Regulation 61-62.1, Section II(J)(2), an initial source test for VOC emissions shall be conducted within 180 days after the effective date of this permit and every 3 year(s) thereafter.</p> <p>Monitoring/Record Keeping/Reporting/Other: The owner/operator shall maintain records of all volatile organic compounds (VOC). These records shall include the total amount of each material used, the VOC content in percent by weight of each material, and any other records necessary to determine facility wide VOC emissions. VOC emissions shall be calculated on a monthly basis, and a twelve-month rolling sum shall be calculated for total VOC emissions. The twelve-month rolling sum shall be less than 250 tons. Reports of the calculated values and the twelve-month rolling sum shall be submitted quarterly.</p> <p>The facility shall maintain all records, including material purchase orders, invoices, and material safety data sheets, etc. for a period of at least five (5) years and shall make these records available to Department personnel upon request.</p> <p>An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates shall be included in each report.</p>

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PART 6.A - OPERATIONAL FLEXIBILITY

Condition Number	Conditions
6.A.1	<p>The following activities shall be allowed, without a construction permit, or without revising or reopening the operating permit unless otherwise specified by S.C. Regulation 61-62.70 or any other State or Federal requirement. The activity will not result in emissions that will exceed any limit in this permit or the facility's potential to emit; the activity itself is not considered a modification under 40 CFR Part 60, 61 or 63 and compliance with South Carolina Regulation 61-62.5 Standards 2 (Ambient Air Quality Standards), 7 (PSD) and 8 (Toxic Air Pollutants) is not affected. 40CFR63 (MACT) related activities are not covered under this permitting flexibility condition.</p> <p>As part of this permit flexibility procedure the facility shall keep an on-site implementation log (OSIL) to document all changes made under the procedure. The OSIL shall provide detailed contemporaneous information supporting the changes made under this procedure. The OSIL shall be readily available to the Bureau and submitted quarterly to the Director of the Engineering Services Division. If no changes to the OSIL occurred during the reporting period then a letter shall</p>

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PART 6 - ADDITIONAL CONDITIONS

PART 6.A - OPERATIONAL FLEXIBILITY

Condition Number	Conditions																																		
	<p>indicate such.</p> <p>The owner/operator must cease implementation of any modification if it is found to be inconsistent with the permit flexibility conditions, and may also be subject to possible enforcement action(s). The permittee assumes the risk of any financial loss resulting from implementing the modification(s). Implementation of the modification(s) may be resumed upon receipt of written approval.</p>																																		
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Condition Number	Conditions
iii.	Identification of what equipment/emissions units the modification(s) will affect. (Include Operating Permit unit identification, equipment identification, stack identification, etc.)
iv	The schedule for the implementation of the modification(s).
v.	An applicability determination showing the proposed physical or operational change will not be a modification under 40CFR60, 40CFR61, or 40CFR63. An applicability determination showing the proposed physical or operational change will not be cause the facility or activity to be subject to South Carolina Regulation 61-62.5, Standard 5.1, or South Carolina Regulation 61-62.5, Standard 7.
vi	Emissions calculations for all regulated air pollutants resulting from the activity and demonstration that when added to the existing emissions all permit limits will be met. This should include the increase and the facility-wide PTE emissions totals from the modification(s).
vii.	An applicability determination showing the proposed physical or operational change will not change the previous air dispersion modeling for the facility, in accordance with South Carolina 61-62.5, Standards 2, 7 and/or 8. Any changes in the parameters used in the air dispersion modeling may require a review by the Department 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.

N/A = Not Applicable

PART 6.B - COMPLIANCE SCHEDULE [S.C. Regulation 61-62.70.5(c)(8)]

Condition Number	Conditions
N/A	N/A

N/A = Not Applicable

PART 6.C - PERMIT SHIELD [S.C. Regulation 61-62.70.6(f)]

A copy of the "applicability determination" submitted with the Part 70 permit application is included as Attachment C. Compliance with the terms and conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance. The permittee shall also be shielded from any non-applicable requirements as agreed upon by the Department as specified in Attachment C with the exception of the following.

Part 6.C - Permit Shield Exceptions
40 CFR 60 Subpart A, General Provisions
40 CFR 60 Subpart B, Adoption and Submittal of State Plans for Designated Facilities
40 CFR 60 Subpart C, Emission Guidelines and Compliance Times
40 CFR 61 Subpart A, General Provisions
40 CFR 61 Subpart M, National Emission Standard for Asbestos
40 CFR 63 Subpart A, General Provisions

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Part 6.C - Permit Shield Exceptions
40 CFR 63 Subpart B, Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Sections 112 (g) and 112 (j)
40 CFR 63 Subpart C, List of Hazardous Pollutants, Petition Process, Lesser Quantity Designations, Source Category List
40 CFR 63 Subpart D, Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants
40 CFR 63 Subpart E, Approval of State Programs and Delegation of Federal Authorities
40 CFR 63 Subpart F, National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry
40 CFR 63 Subpart G, National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations and Wastewater
40 CFR 63 Subpart H, National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks
40 CFR 63 Subpart I, National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks
40 CFR 63 Subpart J, National Emission Standards For Hazardous Air Pollutants for Polyvinyl Chloride and Copolymers Production
40 CFR 63 Subpart K, Reserved
40 CFR 63 Subpart L, National Emission Standards for Coke Oven Batteries
40 CFR 63 Subpart M, National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities
40 CFR 63 Subpart N, National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks
40 CFR 63 Subpart O, Ethylene Oxide Emissions Standards for Sterilization Facilities
40 CFR 63 Subpart P, Reserved
40 CFR 63 Subpart Q, National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers
40 CFR 63 Subpart R, National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)
40 CFR 63 Subpart S, National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry
40 CFR 63 Subpart T, National Emission Standards of Halogenated Solvent Cleaning
40 CFR 63 Subpart U, National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins
40 CFR 63 Subpart V, Reserved
40 CFR 63 Subpart W, National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-Nylon Polyamides Production
40 CFR 63 Subpart X, National Emission Standards for Hazardous Air Pollutants From Secondary Lead Smelting
40 CFR 63 Subpart Y, National Emission Standards for Marine Tank Vessel Loading Operations
40 CFR 63 Subpart Z, Reserved
40 CFR 63 Subpart AA, National Emission Standards for Hazardous Air Pollutants from Phosphoric Acid Manufacturing Plants
40 CFR 63 Subpart BB, National Emission Standards for Hazardous Air Pollutants from Phosphate Fertilizers Production Plants
40 CFR 63 Subpart CC, National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries
40 CFR 63 Subpart DD, National Emission Standards for Hazardous Air Pollutants from Off-site Waste and Recovery Operations
40 CFR 63 Subpart EE, National Emission Standards for Magnetic Tape Manufacturing Operations
40 CFR 63 Subpart FF, Reserved
40 CFR 63 Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities
40 CFR 63 Subpart HH, National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities
40 CFR 63 Subpart II, National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)
40 CFR 63 Subpart JJ, National Emission Standards for Wood Furniture Manufacturing Operations
40 CFR 63 Subpart KK, National Emission Standards for the Printing and Publishing Industry
40 CFR 63 Subpart LL, National Emission Standards for Hazardous Air Pollutants for Primary Aluminum Reduction Plants
40 CFR 63 Subpart MM, National Emission Standards for Hazardous Air Pollutants for Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mills
40 CFR 63 Subpart NN, Reserved
40 CFR 63 Subpart OO, National Emission Standards for Tanks - Level 1
40 CFR 63 Subpart PP, National Emission Standards for Containers

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Part 6.C - Permit Shield Exceptions
40 CFR 63 Subpart QQ, National Emission Standards for Surface Impoundments
40 CFR 63 Subpart RR, National Emission Standards for Individual Drain Systems
40 CFR 63 Subpart SS, National Emission Standards for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process
40 CFR 63 Subpart TT, National Emission Standards for Equipment Leaks-Control Level 1
40 CFR 63 Subpart UU, National Emission Standards for Equipment Leaks-Control Level 2 Standards
40 CFR 63 Subpart VV, National Emission Standards of Oil-Water Separators and Organic-Water Separators
40 CFR 63 Subpart WW, National Emission Standards for Storage Vessels (Tanks) - Control Level 2
40 CFR 63 Subpart XX, National Emission Standards for Ethylene Manufacturing Process Units: Heat Exchange Systems and Waste Operations
40 CFR 63 Subpart YY, National Emission Standards for Hazardous Air Pollutants for Source Categories: Generic Maximum Achievable Control Technology Standards
40 CFR 63 Subpart CCC, National Emission Standards for Hazardous Air Pollutants for Steel Pickling--HCl Process Facilities and Hydrochloric Acid Regeneration Plants
40 CFR 63 Subpart DDD, National Emission Standards for Hazardous Air Pollutants for Mineral Wool Production
40 CFR 63 Subpart EEE, National Emission Standards for Hazardous Air Pollutants From Hazardous Waste Combustors
40 CFR 63 Subpart FFF, Reserved
40 CFR 63 Subpart GGG, National Emission Standards for Pharmaceuticals Production
40 CFR 63 Subpart HHH, National Emission Standards for Hazardous Air Pollutants from Natural Gas Transmission and Storage Facilities
40 CFR 63 Subpart III, National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production
40 CFR 63 Subpart JJJ, National Emission Standards for Hazardous Air Pollutants Emissions: Group IV Polymers and Resins
40 CFR 63 Subpart KKK, Reserved
40 CFR 63 Subpart LLL, National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry
40 CFR 63 Subpart MMM, National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production
40 CFR 63 Subpart NNN, National Emission Standards for Hazardous Air Pollutants for Wool Fiberglass Manufacturing
40 CFR 63 Subpart OOO, National Emission Standards for Hazardous Air Pollutant Emissions: Manufacture of Amino/Phenolic Resins
40 CFR 63 Subpart PPP, National Emission Standards for Hazardous Air Pollutant Emissions for Polyester Polyols Production
40 CFR 63 Subpart QQQ, National Emission Standards for Hazardous Air Pollutants for Primary Copper Smelting
40 CFR 63 Subpart RRR, National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production
40 CFR 63 Subpart SSS, Reserved
40 CFR 63 Subpart TTT, National Emission Standards for Hazardous Air Pollutants for Primary Lead Smelting
40 CFR 63 Subpart UUU, National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units
40 CFR 63 Subpart VVV, National Emission Standards for Hazardous Air Pollutants: Publicly Owned Treatment Works
40 CFR 63 Subpart WWW, Reserved
40 CFR 63 Subpart XXX, National Emission Standards for Hazardous Air Pollutants for Ferroalloys Production: Ferromanganese and Silicomanganese
40 CFR 63 Subpart AAAA, National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills
40 CFR 63 Subpart CCCC, National Emission Standards for Hazardous Air Pollutants: Manufacturing of Nutritional Yeast
40 CFR 63 Subpart DDDD, National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products
40 CFR 63 Subpart EEEE, National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
40 CFR 63 Subpart FFFF, National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing
40 CFR 63 Subpart GGGG, National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production
40 CFR 63 Subpart HHHH, National Emission Standards for Hazardous Air Pollutants for Wet-Formed Fiberglass Mat Production

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Part 6.C - Permit Shield Exceptions
40 CFR 63 Subpart IIII, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light-Duty Trucks
40 CFR 63 Subpart JJJJ, National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating
40 CFR 63 Subpart KKKK, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Cans
40 CFR 63 Subpart MMMM, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products
40 CFR 63 Subpart NNNN, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Large Appliances
40 CFR 63 Subpart OOOO, National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles
40 CFR 63 Subpart PPPP, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products
40 CFR 63 Subpart QQQQ, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products
40 CFR 63 Subpart RRRR, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Furniture
40 CFR 63 Subpart SSSS, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil
40 CFR 63 Subpart TTTT, National Emission Standards for Hazardous Air Pollutants for Leather Finishing Operations
40 CFR 63 Subpart UUUU, National Emission Standards for Hazardous Air Pollutants for Cellulose Product Manufacturing
40 CFR 63 Subpart VVVV, National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing
40 CFR 63 Subpart WWWW, National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production
40 CFR 63 Subpart XXXX, National Emission Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing
40 CFR 63 Subpart YYY, National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines
40 CFR 63 Subpart AAAAA, National Emission Standards for Hazardous Air Pollutants for Lime Manufacturing Plants
40 CFR 63 Subpart BBBB, National Emission Standards for Hazardous Air Pollutants for Semiconductor Manufacturing
40 CFR 63 Subpart CCCCC, National Emission Standards for Hazardous Air Pollutants for Coke Ovens: Pushing, Quenching, and Battery Stacks
40 CFR 63 Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters
40 CFR 63 Subpart EEEEE, National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries
40 CFR 63 Subpart FFFFF, National Emission Standards for Hazardous Air Pollutants for Integrated Iron and Steel Manufacturing Facilities
40 CFR 63 Subpart GGGGG, National Emission Standards for Hazardous Air Pollutants: Site Remediation
40 CFR 63 Subpart HHHHH, National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing
40 CFR 63 Subpart IIIII, National Emission Standards for Hazardous Air Pollutants: Mercury Emissions from Mercury Cell Chlor-Alkali Plants
40 CFR 63 Subpart JJJJJ, National Emission Standards for Hazardous Air Pollutants for Brick and Structural Clay Products Manufacturing
40 CFR 63 Subpart KKKKK, National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing
40 CFR 63 Subpart LLLLL, National Emission Standards for Hazardous Air Pollutants: Asphalt Processing and Asphalt Roofing Manufacturing
40 CFR 63 Subpart MMMMM, National Emission Standards for Hazardous Air Pollutants: Flexible Polyurethane Foam Fabrication Operations
40 CFR 63 Subpart NNNNN, National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production
40 CFR 63 Subpart OOOOO, Reserved
40 CFR 63 Subpart PPPPP, National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Stands
40 CFR 63 Subpart QQQQQ, National Emission Standards for Hazardous Air Pollutants for Friction Materials Manufacturing Facilities
40 CFR 63 Subpart RRRRR, National Emission Standards for Hazardous Air Pollutants: Taconite Iron Ore Processing
40 CFR 63 Subpart SSSSS, National Emission Standards for Hazardous Air Pollutants for Refractory Products Manufacturing
40 CFR 63 Subpart TTTTT, National Emission Standards for Hazardous Air Pollutants for Primary Magnesium Refining
40 CFR 63 Subpart WWWW, National Emission Standards For Hospital Ethylene Oxide Sterilizers

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Part 6.C - Permit Shield Exceptions
40 CFR 63 Subpart XXXXXX, Reserved
40 CFR 63 Subpart YYYYYY, National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities
40 CFR 63 Subpart ZZZZZZ, National Emission Standards for Hazardous Air Pollutants for Iron And Steel Foundries Area Sources
40 CFR 63 Subpart AAAAAA, Reserved
40 CFR 63 Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities
40 CFR 63 Subpart CCCCCC, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities
40 CFR 63 Subpart DDDDDD, National Emission Standards for Hazardous Air Pollutants for Polyvinyl Chloride and Copolymers Production Area Sources
40 CFR 63 Subpart EEEEEEE, National Emission Standards for Hazardous Air Pollutants for Primary Copper Smelting Area Sources
40 CFR 63 Subpart FFFFFFFF, National Emission Standards for Hazardous Air Pollutants for Secondary Copper Smelting Area Sources
40 CFR 63 Subpart GGGGGG, National Emission Standards for Hazardous Air Pollutants for Primary Nonferrous Metals Area Sources-Zinc, Cadmium, and Beryllium
40 CFR 63 Subpart HHHHHH, National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources
40 CFR 63 Subpart IIIIII, Reserved
40 CFR 63 Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
40 CFR 63 Subpart LLLLLL, National Emission Standards for Hazardous Air Pollutants for Acrylic and Modacrylic Fibers Production Area Sources
40 CFR 63 Subpart MMMMMM, National Emission Standards for Hazardous Air Pollutants for Carbon Black Production Area Sources
40 CFR 63 Subpart NNNNNN, National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources: Chromium Compounds
40 CFR 63 Subpart OOOOOO, National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production and Fabrication Area Sources
40 CFR 63 Subpart PPPPPP, National Emission Standards for Hazardous Air Pollutants for Lead Acid Battery Manufacturing Area Sources
40 CFR 63 Subpart QQQQQQ, National Emission Standards for Hazardous Air Pollutants for Wood Preserving Area Sources
40 CFR 63 Subpart RRRRRR, National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing Area Sources
40 CFR 63 Subpart SSSSSS, National Emission Standards for Hazardous Air Pollutants for Glass Manufacturing Area Sources
40 CFR 63 Subpart TTTTTT, National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources
40 CFR 63 Subpart UUUUUU, Reserved
40 CFR 63 Subpart VVVVVV, National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources
40 CFR 63 Subpart WWWWWW, National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations
40 CFR 63 Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories
40 CFR 63 Subpart YYYYYY, National Emission Standards for Hazardous Air Pollutants for Area Sources: Ferroalloys Production Facilities
40 CFR 63 Subpart ZZ-BBB, Reserved
40 CFR 63 Subpart ZZZZZZ, National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Aluminum, Copper, and Other Nonferrous Foundries

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40 CFR 63 Subpart AAAAAAA, National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing
40 CFR 63 Subpart BBBB BBB, National Emission Standards for Hazardous Air Pollutants for Area Sources: Chemical Preparations Industry
40 CFR 63 Subpart CCCCCC, National Emission Standards for Hazardous Air Pollutants for Area Sources: Paints and Allied Products Manufacturing
40 CFR 63 Subpart DDDDDDD, National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing
40 CFR 63 Subpart UUUUU-VVVVV, Reserved
SC Regulation 61-62.1, Definitions and General Requirements
SC Regulation 61-62.1, Section II(J), Permit Conditions
SC Regulation 61-62.2, Prohibition of Open Burning
SC Regulation 61-62.3, Air Pollution Episodes
SC Regulation 61-62.4, Hazardous Air Pollution Conditions
SC Regulation 61-62.5, Standard No. 2, Ambient Air Quality Standards
SC Regulation 61-62.5, Standard No. 7, Prevention of Significant Deterioration
SC Regulation 61-62.5, Standard No. 7.1, Nonattainment New Source Review
SC Regulation 61-62.6, Control of Fugitive Particulate Matter
SC Regulation 61-62.60, South Carolina Designated Facility Plan and New Source Performance Standards
SC Regulation 61-62.60 Subpart A, General Provisions
SC Regulation 61-62.60 Subpart B, Adoption and Submittal of State Plans for Designated Facilities
SC Regulation 61-62.60 Subpart C, Emission Guidelines and Compliance Times
SC Regulation 61-62.60 Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
SC Regulation 61-62.61 Subpart A, General Provisions
SC Regulation 61-62.61 Subpart M, National Emission Standard for Asbestos
SC Regulation 61-62.63 Subpart A, General Provisions
SC Regulation 61-62.63 Subpart B, Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Sections 112 (g) and 112 (j)
SC Regulation 61-62.63 Subpart JJJJJ, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
SC Regulation 61-62.7, Good Engineering Practice Stack Height
SC Regulation 61-62.70, Title V Operating Permit Program
40 CFR 79, Registration of Fuels and Fuel Additives
40 CFR 80, Regulation of Fuels and Fuel Additives
40 CFR 81, Designation of Areas for Air Quality Control Regions

N/A = Not Applicable

Nothing in the permit shield or in any Part 70 permit shall alter or affect the provisions of Section 303 of the Act, Emergency Orders, of the Clean Air Act; the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance; the applicable requirements of the Acid Rain Program, consistent with Section 408(a) of the Clean Air Act; or the ability of US EPA to obtain information from a source pursuant to Section 114 of the Clean Air Act. In addition, the permit shield shall not apply to emission units in noncompliance at the time of permit issuance, minor permit modifications (S.C. Regulation 61-62.70.7(e)(2)), group processing of minor permit modifications (S.C. Regulation 61-62.70.7(e)(3)), or operational flexibility (S.C. Regulation 61-62.70.7(e)(5)(i)), except as specified in S.C. Regulation 61-62.70.7(e)(5)(iii).

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PART 6.D - OTHER

Condition Number	Conditions
6.D.1	This facility has been granted an exemption from all of the Operator Training Requirements in SC Regulations 61-62.5, Standard No. 3, Section IX (C).

N/A = Not Applicable

PART 7 - NESHAP REQUIREMENTS

PART 7.A - NESHAP PERIODIC REPORTING SCHEDULE SUMMARY

NESHAP Part	NESHAP Subpart	Compliance Monitoring Report Submittal Frequency	Reporting Period	Report Due Date
63	B	Semi-Annual	January 1 through June 30 July 1 through December 31	July 31 January 31
63	ZZZZ	Semi-Annual Annual	January 1 through June 30 July 1 through December 31 January 1 through Dec 31	For semiannual reports, first report postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date. For annual reports, first report postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date.
63	WWWWWW	Annual (See notes 3 and 4)	January 1 through Dec 31	January 31

1. This table summarizes only the periodic compliance reporting schedule. Additional reports may be required. See specific NESHAP Subpart for additional reporting requirements and associated schedule.
2. This reporting schedule does not supersede any other reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, 40 CFR Part 63, and/or Title V. The MACT reporting schedule may be adjusted to coincide with the Title V reporting schedule with prior approval from the Department in accordance with §63.10(a)(5). This request may be made 1 year after the compliance date for the associated MACT standard.
3. Each annual compliance report must be prepared no later than January 31 of the year immediately following the reporting period and kept in a readily-accessible location for inspector review. If a deviation has occurred during the year, each annual compliance report must be submitted along with the deviation report, and postmarked or delivered no later than January 31 of the year immediately following the reporting period.
4. These reports do not need to be submitted unless a deviation from the requirements of this subpart has occurred during the reporting period.

PART 7.B - NESHAP - GENERAL REQUIREMENTS

Condition Number	Condition
7.B.1	All NESHAP notifications and reports shall be sent to the South Carolina Department of Health and Environmental Control - Bureau of Air Quality (SCDHEC - BAQ) at the following address:

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PART 7.B - NESHAP - GENERAL REQUIREMENTS

Condition Number	Condition
	SCDHEC - BAQ Air Toxics Section 2600 Bull Street Columbia, SC 29201
7.B.2	All NESHAP notifications and the cover letter to periodic reports shall be sent to the United States Environmental Protection Agency (US EPA) at the following address: US EPA, Region 4 Air, Pesticides and Toxics Management Division 61 Forsyth Street Atlanta, GA 30303

PART 7.C - NESHAP PART 63 SUBPART B - AFFECTED SOURCES

SUBPART B - Requirements For Control Technology Determinations For Major Sources In Accordance With Clean Air Act Sections, Sections 112(g) And 112(j)

Emission Unit ID	Equipment ID	Affected Source Description	MACT Control Device	Non-MACT Control Device
17	All Sources	CMAP Buildup	CD-AD-1 CD-AD-2 CD-AD-3 CD-TO-1	N/A

Part 7.C lists the affected sources as identified in the facility's Notice of Compliance Status and the permit application.
 N/A = Not Applicable

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PART 7.C - NESHAP PART 63 SUBPART B - CONDITIONS

SUBPART B - Requirements For Control Technology Determinations For Major Sources In Accordance With Clean Air Act Sections, Sections 112(g) And 112(j)

Condition Number	Emission Unit ID	Equipment/Control Device ID	Condition
7.C.1	017	CD-AD-1 CD-AD-2 CD-AD-3 CD-TO-1	<p>The owner/operator shall continue to operate and maintain a pressure drop indicator on each absorber/desorber unit, a temperature gauge on each adsorber/desorber unit , and a continuous temperature gauge on the thermal oxidizer.</p> <p>Temperature and pressure readings on the adsorber/desorber units shall be recorded daily during source operation. The adsorber/desorber units shall be in place and operational whenever processes controlled by the adsorber/desorber units are running, except during periods of regenerative adsorber/desorber unit malfunction or mechanical failure.</p> <p>The owner/operator shall also continue to operate and maintain the alarm feature in the continuous monitoring system (as proposed in the January 14, 2000 letter to the Bureau of Air Quality) to provide notification if the combustion zone temperature deviates from the prescribed range. The Bureau also requests that a hard copy (such as a chart) of the time & date when the alarm is triggered be maintained and kept on site. Likewise, the Bureau requests that a logbook be kept to record any corrective action taken as a result of such temperature deviation.</p> <p>All pressure and temperature readings shall be within the ranges specified in Appendix D. The readings shall be maintained in logs, along with any corrective action taken when exceedances occur, and these logs shall be maintained on site. This log shall include, but not be limited to, the following:</p> <ol style="list-style-type: none"> a. The date, time, and duration of each adsorber/desorber or thermal oxidizer malfunction/failure or for any other reason such as the performance of planned maintenance on the units; and b. The nature of such malfunction or failure. <p>The facility shall submit the above recorded parameters and calculated values on a monthly basis 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.</p>

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PART 7.C - NESHAP PART 63 SUBPART B - CONDITIONS

SUBPART B - Requirements For Control Technology Determinations For Major Sources In Accordance With Clean Air Act Sections, Sections 112(g) And 112(j)

Condition Number	Emission Unit ID	Equipment/ Control Device ID	Condition
7.C.2	017	All sources	<p>Solvent cleaning operations in the MB2 facility using solvents that meet any one or more of the following requirements are exempt from any additional work practice or housekeeping requirements:</p> <ul style="list-style-type: none"> a. Cleaning solvent solutions that are classified as an aqueous cleaning solvent, that is a solvent having a water content equal to or greater than 80% by weight. b. Hydrocarbon-based cleaning solvents with a maximum composite vapor pressure of 7 mmHg at 20 degrees C and that contain no Hazardous Air Pollutants (HAPs) or ozone depleting compounds as defined by 40 CFR 82. c. Cleaning solvents that are comprised of less than 1% by weight of VOCs or HAPs for non-carcinogens, and 0.1% by weight of VOCs or HAPs for carcinogens. d. Cleaning materials that are used exclusively for janitorial purposes. <p>For each cleaning solvent used in cleaning operations in the Manufacturing Building (formerly MB2) that is exempt according to one or more of the four criteria specified above or for any semi-aqueous cleaning solvents used for flush cleaning operations, the owner/operator shall maintain records including, but not limited to, the following:</p> <ul style="list-style-type: none"> a. The name of each cleaning solvent used; b. Data and/or calculations that demonstrate that the flush cleaning solvent is semi-aqueous or that the hand-wipe cleaning solvent complies with one of the four composition requirements in the above condition; and c. Annual records of the volume of each solvent used to be determined from facility purchase records, usage records, or any other records for which the Bureau grants approval. <p>For each cleaning solvent that does not conform to the composition/vapor pressure requirements above, the owner/operator shall retain records including, but not limited to, the following:</p> <ul style="list-style-type: none"> a. The identity and amount (in gallons) of each cleaning solvent used each month at the various MB2 processes for which use of conforming solvents is impractical; and, b. A list of the processes or operations for which use of conforming solvents is impractical.

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PART 7.C - NESHAP PART 63 SUBPART B - CONDITIONS

SUBPART B - Requirements For Control Technology Determinations For Major Sources In Accordance With Clean Air Act Sections, Sections 112(g) And 112(j)

Condition Number	Emission Unit ID	Equipment/Control Device ID	Condition
7.C.3	017	All sources	<p>The owner/operator, if utilizing hand-wipe cleaning operations in the Manufacturing Building (formerly MB2) shall, to the maximum extent practical, utilize cleaning solvent solutions that have a composite vapor pressure of 45 mmHg or less at 20 degrees C.</p> <p>For each cleaning solvent used for hand-wipe cleaning operations in the MB2 facility that does meet the 45 mmHg vapor pressure requirement, the owner/operator shall maintain records including, but not limited to, the following:</p> <ul style="list-style-type: none"> a. The name of each cleaning solvent used; b. The composite vapor pressure of each cleaning solvent used; c. Supporting documentation for the composite vapor pressure determination (such as vapor pressure test results, manufacturer provided data and/or calculations); and, d. The amount (in gallons) of each cleaning solvent used each month.

PART 7.D - NESHAP PART 63 SUBPART ZZZZ - AFFECTED SOURCES

SUBPART ZZZZ - National Emission Standards For Hazardous Air Pollutants For Stationary Reciprocating Internal Combustion Engines

Emission Unit ID	Equipment ID	Affected Source Description	MACT Control Device	Non-MACT Control Device
IA	IA-DFP	87 BHP Diesel Fire Pump (Unit 21)	N/A	N/A
IA	IA-E1	100 kW Emergency Generator	N/A	N/A
IA	IA-E5	260 kW Emergency Generator	N/A	N/A
IA	IA-E6	600 kW Emergency Generator	N/A	N/A
IA	IA-E7	565 kW Emergency Generator	N/A	N/A

Part 7.D lists the affected sources as identified in the facility's Notice of Compliance Status and the permit application.
N/A = Not Applicable

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PART 7.D - NESHAP PART 63 SUBPART ZZZZ - CONDITIONS

SUBPART ZZZZ - National Emission Standards For Hazardous Air Pollutants For Stationary Reciprocating Internal Combustion Engines

Condition Number	Emission Unit ID	Equipment/Control Device ID	Condition
7.D.1	IA	IA-DFP IA-E1 IA-E5 IA-E6 IA-E7	This facility is subject to the provisions of 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subpart A and Subpart ZZZZ - National Emission Standards For Hazardous Air Pollutants For Stationary Reciprocating Internal Combustion Engines. Existing affected sources shall comply with the applicable provisions by the compliance date specified in Subpart ZZZZ - National Emission Standards For Hazardous Air Pollutants For Stationary Reciprocating Internal Combustion Engines. Any new affected sources shall comply with the requirements of these Subparts upon initial start-up unless otherwise noted.

PART 7.E - NESHAP PART 63 SUBPART WWWW - AFFECTED SOURCES

SUBPART WWWW - National Emission Standards For Hazardous Air Pollutants: Area Source Standards For Plating And Polishing Operations

Emission Unit ID	Equipment ID	Affected Source Description	MACT Control Device	Non-MACT Control Device
019	PBSBE	3 Nickel/Tin/Lead Plating Line Tanks: SBE-1 (Nickel and Lead, Existing) SBE-2 (Nickel, Existing) SBE-3 (Nickel, Existing) SBE-4 (Nickel, Existing) SBE-5 (Nickel and Lead, Existing) SBE-6 (Nickel, New) SBE-7 (Nickel and Lead, New)	N/A	N/A

Part 7.E lists the affected sources as identified in the facility's Notice of Compliance Status and the permit application.
N/A = Not Applicable

PART 7.E - NESHAP PART 63 SUBPART WWWW - CONDITIONS

SUBPART WWWW - National Emission Standards For Hazardous Air Pollutants: Area Source Standards For Plating And Polishing Operations

Condition Number	Emission Unit ID	Equipment/Control Device ID	Condition
7.E.1	019	PBSBE	This facility is subject to the provisions of 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subpart A and Subpart WWWW—National Emission Standards For Hazardous Air Pollutants For Plating and Polishing Area Sources. Existing affected sources shall comply with the applicable provisions by the compliance date specified in Subpart WWWW—National Emission Standards For Hazardous Air Pollutants For Plating and Polishing Foundries Area Sources. Any new affected sources shall comply with the requirements of these Subparts upon initial start-up unless otherwise noted.

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PART 7.E - NESHAP PART 63 SUBPART WWWWWW - CONDITIONS

SUBPART WWWWWW - National Emission Standards For Hazardous Air Pollutants: Area Source Standards For Plating And Polishing Operations

Condition Number	Emission Unit ID	Equipment/Control Device ID	Condition
7.E.2	019	PBSBE	<p>In accordance with 40 CFR 63, Section 63.11507(g) and SC Regulation 61-62.63, the owner/operator an affected new or existing plating and polishing process unit that contains, applies, or emits one or more of the plating and polishing metal HAP, must implement the applicable management practices in paragraphs (1) through (11) of this condition, as practicable:</p> <p>(1) Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.</p> <p>(2) Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as practicable.</p> <p>(3) Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable.</p> <p>(4) Use tank covers, if already owned and available at the facility, whenever practicable.</p> <p>(5) Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).</p> <p>(6) Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable.</p> <p>(7) Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, and thorough rinsing of pre-treated parts to be plated, as practicable.</p> <p>(8) Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable.</p> <p>(9) Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic wash downs, as practicable.</p> <p>(10) Minimize spills and overflow of tanks, as practicable.</p> <p>(11) Perform regular inspections to identify leaks and other opportunities for pollution prevention.</p>
7.E.3	019	PBSBE	<p>In accordance with 40 CFR 63, Section 63.11508(b) and SC Regulation 61-62.63, the facility must be in compliance with the applicable management practices and equipment standards at all times.</p>

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PART 7.E - NESHAP PART 63 SUBPART WWWWWW - CONDITIONS

SUBPART WWWWWW - National Emission Standards For Hazardous Air Pollutants: Area Source Standards For Plating And Polishing Operations

Condition Number	Emission Unit ID	Equipment/ Control Device ID	Condition
7.E.4	019	PBSBE	<p>In accordance with 40 CFR 63, Section 63.11507(a) and SC Regulation 61-62.63, the owner/operator of an affected new or existing non-cyanide electroplating, electroforming, or electropolishing tank, as defined in §63.11511 that contains one or more of the plating and polishing metal HAP and operates at a pH of less than 12, must comply with the requirements in paragraph (1) or (2) of this condition.</p> <p>(1) Use a wetting agent/fume suppressant, as defined in §63.11511, in the bath of the affected tank according to paragraphs (1)(i) through (iii) of this condition.</p> <p style="padding-left: 40px;">(i) Initially add the wetting agent/fume suppressant in the amounts recommended by the manufacturer for the specific type of electrolytic process.</p> <p style="padding-left: 40px;">(ii) Add wetting agent/fume suppressant in proportion to the other bath chemistry ingredients that are added to replenish the tank bath, as in the original make-up of the tank.</p> <p style="padding-left: 40px;">(iii) If a wetting agent/fume suppressant is included in the electrolytic process bath chemicals used in the affected tank according to the manufacturer’s instructions, it is not necessary to add additional wetting agent/fume suppressants to the tank to comply with this rule.</p> <p>(2) Cover the tank surface according to paragraph (2)(i) or (ii) of this condition.</p> <p style="padding-left: 40px;">(i) For batch electrolytic process tanks, as defined in §63.11511, use a tank cover, as defined in §63.11511, over all of the effective surface area of the tank for at least 95 percent of the electrolytic process operating time.</p> <p style="padding-left: 40px;">(ii) For continuous electrolytic process tanks, as defined in §63.11511, cover at least 75 percent of the surface of the tank, as defined in §63.11511, whenever the electrolytic process tank is in operation.</p>
7.E.5	019	PBSBE	<p>In accordance with 40 CFR 63, Section 63.11508(c)(1) and SC Regulation 61-62.63, if the facility owns or operates an affected electroplating, electroforming, or electropolishing tank that contains one or more of the plating and polishing metal HAP, and uses a wetting agent/fume suppressant, the facility must demonstrate initial compliance according to paragraphs (i) and (ii) of this condition:</p> <p>(i) Add wetting agent/fume suppressant to the bath of each affected tank according to manufacturer’s specifications and instructions.</p> <p>(ii) Implement the applicable management practices specified in 40 CFR 63.11507(g), as practicable.</p>
7.E.6	019	PBSBE	<p>In accordance with 40 CFR 63, Section 63.11508(d)(1) and SC Regulation 61-62.63, the facility must always operate and maintain your affected source, including air pollution control equipment.</p>

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PART 7.E - NESHAP PART 63 SUBPART WWWWWW - CONDITIONS

SUBPART WWWWWW - National Emission Standards For Hazardous Air Pollutants: Area Source Standards For Plating And Polishing Operations

Condition Number	Emission Unit ID	Equipment/ Control Device ID	Condition
7.E.7	019	PBSBE	<p>In accordance with 40 CFR 63, Section 63.11508(d)(3) and SC Regulation 61-62.63, if the facility owns or operates an affected electroplating, electroforming, or electropolishing tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in §63.11507(a), and uses a wetting agent/fume suppressant, the facility must demonstrate continuous compliance according to paragraphs (i) through (iii) of this condition:</p> <p>(i) Record that the facility has added the wetting agent/fume suppressant to the tank bath in the original make-up of the tank.</p> <p>(ii) For tanks where the wetting agent/fume suppressant is a separate purchased ingredient from the other tank additives, the facility must demonstrate continuous compliance according to paragraphs (d)(3)(ii) (A) and (B) this condition:</p> <p style="padding-left: 40px;">(A) Add wetting agent/fume suppressant in proportion to the other bath chemistry ingredients that are added to replenish the tank bath, as in the original make-up of the tank.</p> <p style="padding-left: 40px;">(B) Record each addition of wetting agent/fume suppressant to the tank bath.</p> <p>(iii) The facility must state in your annual compliance certification that the wetting agent/fume suppressant have been added to the bath according to the manufacturer’s specifications and instructions.</p>
7.E.8	019	PBSBE	<p>In accordance with 40 CFR 63, Section 63.11508(d)(8) and SC Regulation 61-62.63, If the facility owns or operates an affected tank or other operation that is subject to the management practices specified in 40 CFR 63.11507(g), the facility must demonstrate continuous compliance according to paragraphs (i) and (ii) of this condition.</p> <p>(i) Implement the applicable management practices during all times that the affected tank or process is in operation.</p> <p>(ii) The facility must state in its annual certification that they have have implemented the applicable management practices, as practicable.</p>
7.E.9	019	PBSBE	<p>In accordance with 40 CFR 63, Section 63.11509(c)(1) and SC Regulation 61-62.63, if the facility owns or operates an affected electroplating, electroforming, or electropolishing tank that is subject to the requirements in 40 CFR 63.11507(a)(1), the facility must state in its annual certification that they have added wetting agent/fume suppressant to the bath according to the manufacturer’s specifications and instructions</p>
7.E.10	019	PBSBE	<p>In accordance with 40 CFR 63, Section 63.11509(c)(6) and SC Regulation 61-62.63, if the facility owns or operates an affected tank that is subject to the management practices specified in 40 CFR 63.11507(g), the facility must state in its annual certification that they have implemented the applicable management practices, as practicable.</p>

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PART 7.E - NESHAP PART 63 SUBPART WWWWWW - CONDITIONS

SUBPART WWWWWW - National Emission Standards For Hazardous Air Pollutants: Area Source Standards For Plating And Polishing Operations

Condition Number	Emission Unit ID	Equipment/ Control Device ID	Condition
7.E.11	019	PBSBE	In accordance with 40 CFR 63, Section 63.11509(d) and SC Regulation 61-62.63, any deviations from the compliance requirements that occurred during the year, must be reported, along with the corrective actions taken, and submitted to the delegated authority.
7.E.12	019	PBSBE	<p>In accordance with 40 CFR 63, Section 63.11509(e) and SC Regulation 61-62.63, the facility must keep the records specified in paragraphs (1) through (3) of this condition.</p> <p>(1) A copy of any Initial Notification and Notification of Compliance Status that the facility submitted and all documentation supporting those notifications.</p> <p>(2) The records specified in 40 CFR 63.10(b)(2)(i) through (iii) and (xiv) of the General Provisions.</p> <p>(3) The records required to show continuous compliance with each management practice and equipment standard that applies, as specified in 40 CFR 63.11508(d).</p>
7.E.13	019	PBSBE	In accordance with 40 CFR 63, Section 63.11509(f) and SC Regulation 61-62.63, the facility must keep each record for a minimum of 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The facility must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1) of the General Provisions. The facility may keep the records offsite for the remaining 3 years.
7.E.14	019	PBSBE	In accordance with 40 CFR 63, Section 63.9 and SC Regulation 61-62.63, any change in the information already provided under this section shall be provided to the Department in writing within 15 calendar days after the change.
7.E.15	019	PBSBE	In accordance with 40 CFR 63, Section 63.11508(d)(2) and SC Regulation 61-62.63, the facility must prepare an annual compliance certification according to the requirements in 40 CFR 63.11509(c).
7.E.16	019	PBSBE	<p>In accordance with 40 CFR 63, Section 63.11509(c) and SC Regulation 61-62.63, if the facility owns or operates an affected source, you must prepare an annual certification of compliance report according to paragraph (1) of this condition. These reports do not need to be submitted unless a deviation from the requirements has occurred during the reporting year, in which case, the annual compliance report must be submitted along with the deviation report.</p> <p>(1) Each annual compliance report must be prepared no later than January 31 of the year immediately following the reporting period and kept in a readily-accessible location for inspector review. If a deviation has occurred during the year, each annual compliance report must be submitted along with the deviation report, and postmarked or delivered no later than January 31 of the year immediately following the reporting period.</p>

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PART 8 - TITLE V REPORTING REQUIREMENTS

PART 8.A - TITLE V 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

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

PART 8.B - TITLE V COMPLIANCE CERTIFICATION REPORTING SCHEDULE

Title V Compliance Certification Submittal Frequency	Reporting Period (Begins on the effective date of the permit)	Report Due Date
Annual	January-December April-March July-June October-September	February 14 th May 15 th August 14 th November 14 th

PART 8.C - TITLE V REPORTING CONDITIONS

Condition Number	Condition		
8.C.1	Reporting required in this permit, shall be submitted in a timely manner as directed in Part 8.A and Part 8.B of this permit.		
8.C.2	Unless elsewhere specified within this permit, all reports required under this permit shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality, at the following address: <p style="text-align: center;">SCDHEC - BAQ Technical Management Section 2600 Bull Street Columbia, SC 29201</p>		
8.C.3	All Title V Annual Compliance Certifications shall be sent to the United States Environmental Protection Agency (US EPA) and the South Carolina Department of Health and Environmental Control - Bureau of Air Quality (SCDHEC - BAQ) at the following addresses: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; text-align: center; vertical-align: top;"> US EPA, Region 4 Air Enforcement Branch 61 Forsyth Street Atlanta, GA 30303 </td> <td style="width: 50%; text-align: center; vertical-align: top;"> SCDHEC - BAQ Technical Management Section 2600 Bull Street Columbia, SC 29201 </td> </tr> </table>	US EPA, Region 4 Air Enforcement Branch 61 Forsyth Street Atlanta, GA 30303	SCDHEC - BAQ Technical Management Section 2600 Bull Street Columbia, SC 29201
US EPA, Region 4 Air Enforcement Branch 61 Forsyth Street Atlanta, GA 30303	SCDHEC - BAQ Technical Management Section 2600 Bull Street Columbia, SC 29201		

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The emission rates listed herein are not considered federally enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards (see conditions 4.11 and 4.12).

STANDARD NO. 2 - MODELED AAQS EMISSION RATES (LBS/HR)							
STACK ID	PM₁₀	PM_{2.5}	SO₂	NO_x	CO	Lead	HF
NMFS_B1 (formerly Equip ID 03-C)	Exempt	Exempt	Exempt	1.674	Exempt	Exempt	--

STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (LBS/HR) TABLE 1				
STACK ID	Benzene	Bis (2-ethylehexyl) phthalate	Chromium Compounds	Ethanolamine
	71-43-2	117-81-7	+	141-43-5
CMAPFUG	--	2.98E-3	--	--
MB2F1	--	1.47E-3	--	--
MB2F2	--	1.47E-3	--	--
MB2_TFS ¹	--	--	--	5.18E-2
MD1C_1	--	3.71E-4	--	--
MD2C_1	--	3.71E-4	--	--
MD3C_1	--	3.71E-4	--	--
NMFS_B1	3.44E-5	--	--	--
SLIP	--	0.03	--	--
SOLDER1	--	--	1.71E-6	--

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Modeled Emission Rates

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STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (LBS/HR) TABLE 2				
STACK ID	Ethyl Benzene	Ethylidene Dichloride	Formaldehyde	Hexane
	100-41-4	75-34-3	50-00-0	110-54-3
CMAPFUG	2.98E-3	--	--	--
MB2F1	1.47E-3	--	--	--
MB2F2	1.47E-3	--	--	--
MD1C_1	2.19E-5	--	--	--
MD2C_1	2.19E-5	--	--	--
MD3C_1	2.19E-5	--	--	--
NMFS_B1	--	--	1.23E-3	2.94E-2
TOWER	--	0.11	--	--

STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (LBS/HR) TABLE 3				
STACK ID	Hydrochloric Acid	Manganese Compounds	Methanol	Methyl Chloroform
	7647-01-0	+	67-56-1	71-55-6
CMAPFUG	--	--	4.70E-2	--
MB2F1	--	--	1.06E-2	--
MB2F2	--	--	1.06E-2	--
MB2_TFS	9.21E-4	--	--	--
MD1C_1	--	--	1.08E-4	--
MD2C_1	--	--	1.08E-4	--
MD3C_1	--	--	1.08E-4	--
SLIP	--	--	1.76E-3	--
SOLDER1	--	1.11E-4	--	--
TERMFUG	--	--	1.69E-2	--
TOWER	--	--	--	0.30

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STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (LBS/HR) TABLE 4				
STACK ID	Methyl Isobutyl Ketone	Naphthalene	Nickel	Nitric Acid
	108-10-1	91-20-3	7440-02-0	7697-37-2
CMAPFUG	2.40E-2	--	--	--
EF8	--	--	2.29E-3	--
MB2F1	5.58E-3	--	--	--
MB2F2	5.58E-3	--	--	--
MB2_TFS	--	--	--	3.88E-3
MD1C_1	5.70E-5	--	--	--
MD2C_1	5.70E-5	--	--	--
MD3C_1	5.70E-5	--	--	--
NMFS_B1	--	1.00E-5	--	--
SLIP	9.29E-4	--	--	--
TERMFUG	8.89E-3	--	--	--

STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (LBS/HR) TABLE 5				
STACK ID	Phosphoric Acid	Sulfuric Acid	Toluene	Vinyl Chloride
	7664-38-2	7664-93-9	108-88-3	75-01-4
CMAPFUG	--	--	2.98E-3	--
MB2F1	--	--	1.47E-3	--
MB2F2	--	--	1.47E-3	--
MB2_TFS	1.595E-3	7.21E-4	--	--
MD1C_1	--	--	4.38E-5	--
MD2C_1	--	--	4.38E-5	--
MD3C_1	--	--	4.38E-5	--
NMFS_B1	--	--	5.57E-5	--
TOWER	--	--	--	0.09

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STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (LBS/HR) TABLE 6				
STACK ID	Xylene	N/A	N/A	N/A
	1330-20-7	--	--	--
CMA PFUG	2.98E-3	--	--	--
MB2F1	1.47E-3	--	--	--
MB2F2	1.47E-3	--	--	--
MD1C_1	3.80E-3	--	--	--
MD2C_1	3.80E-3	--	--	--
MD3C_1	3.80E-3	--	--	--
SLIP	5.28E-3	--	--	--

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Insignificant Activities

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The following table contains a list of activities which are considered insignificant pursuant to South Carolina Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

INSIGNIFICANT ACTIVITIES			
Equipment ID	Source Description	Installation Date/ Modification Date	Basis
IA-RMMDO	12 Drying Ovens to Remove Moisture and Detergent/Dispersant (Unit 14)	1987-1999	SC Regulation 61-62.70.5(c)
IA-RMMTS	2 Tape Shredders (Unit 14)	1990,1997	SC Regulation 61-62.70.5(c)
IA-RMMOV	1 Oven for Moisture Removal in Test & Development (Unit 14)	1987-1999	Insignificant Activities List, Section A(12)
IA-RMMRTF	2 Rapid Temperature Furnaces in Testing & Development	1988, 1992, 1994	Insignificant Activities List, Section A(12)
IA-RMMTDP	Testing and Development Priller	1983	Insignificant Activities List, Section A(12)
IA-RMMKILN	4 Small Rotary Kilns (Unit 14)	(2) 1983, (2) 1997	SC Regulation 61-62.70.5(c)
IA-RMMSPEX	3 Mixers in Testing and Development (Unit 14)	1985, 1988, 1989	Insignificant Activities List, Section A(12)
IA-RMMTG	Transguard Process (Unit 14)	2007	SC Regulation 61-62.70.5(c)
IA-BOACT	BioAct Cleaning System (Unit 15)	1996	SC Regulation 61-62.70.5(c)
IA-SFH	Fume Hood (Laboratory Hoods) (Unit 15)	1997	Insignificant Activities List, Section A(12)
IA-SO	QC Lab Oven (Unit 15)	1997	Insignificant Activities List, Section A(12)
IA-SBM	3 Bead Mixers (Unit 15)	2013	SC Regulation 61-62.70.5(c)
IA-MFP	2 Filter Presses (Unit 16)	1999	SC Regulation 61-62.70.5(c)
IA-MPS	Pot Storage Room Exhaust (Unit 16)	2008	SC Regulation 61-62.70.5(c)
IA-MFH	2 Fume Hoods (Laboratory Hoods) (Unit 16)	1980	Insignificant Activities List, Section A(12)
IA-MO	Lab Oven (Unit 16)	2000	Insignificant Activities List, Section A(12)
IA-MRTF	3 Repid Temperature Furnaces (Unit 16)	2013	Insignificant Activities List, Section A(12)
IA-CSR	Screen Room (Unit 17)	1997	SC Regulation 61-62.70.5(c)
IA-CSWS	3 Solvent Wash Stations (Unit 17)	1997	SC Regulation 61-62.70.5(c)
IA-BO	30 Ovens for Chip Binder Burnout	1995-2001	SC Regulation 61-62.70.5(c)
IA-CSO	11 Low Moisture Temperature Ovens for Moisture Removal (Unit 18)	1985	SC Regulation 61-62.70.5(c)
IA-CSTR	1 Thermal Release Oven for Paper Removal (Unit 18)	1998	SC Regulation 61-62.70.5(c)
IA-CSPA	2 Paper Applicator Machines (Unit 18)	1998	SC Regulation 61-62.70.5(c)
IA-CSCD	2 Low Temperature Chip Dryers (Unit 18)	1997	SC Regulation 61-62.70.5(c)
IA-CSCS	Blade Cleaning Station (Unit 18)	2000	SC Regulation 61-62.70.5(c)
IA-FK	20 Firing Kilns (Unit 18)	1983-2011	SC Regulation 61-62.70.5(c)
IA-CSGI	Gold Immersion Hood (Unit 18)	2013	SC Regulation 61-62.70.5(c)
IA-TL	5 Labeling Lasers (Unit 19)	1993-2000	SC Regulation 61-62.70.5(c)
IA-TSW	4 Solvent Wash Station (Unit 19)	1999	SC Regulation 61-62.70.5(c)
IA-SBE	4 Non-lead SBE Plating Lines (Unit 19)	(3) 2007, (1) 2010	SC Regulation 61-62.70.5(c)
IA-BCB	BCB Coating Process (Unit 19)	2005-2009	SC Regulation 61-62.70.5(c)

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INSIGNIFICANT ACTIVITIES			
Equipment ID	Source Description	Installation Date/ Modification Date	Basis
IA-CPS	Copper Plating System (Unit 19)	2011	SC Regulation 61-62.70.5(c)
IA-GPL	1 Manual Gold Plating Line (Unit 19)	1991	SC Regulation 61-62.70.5(c)
IA-PDD	6 Plating Dryers for Moisture Removal (Unit 19)	1990-1994	SC Regulation 61-62.70.5(c)
IA-PDO	1 Plate Drying Oven for Moisture Removal (Unit 19)	1994	SC Regulation 61-62.70.5(c)
IA-CO	1 Copper Coupon Oven (Unit 19)	1993	SC Regulation 61-62.70.5(c)
IA-TFCS	Chipstar Terminating Oven (Unit 20)	2011	SC Regulation 61-62.70.5(c)
IA-TFQS	Quicksilver Terminating Machine (Unit 20)	2013	SC Regulation 61-62.70.5(c)
IA-DFP	87 BHP Diesel Fire Pump (Unit 21)	1993	Insignificant Activities List, Section B(4)
IA-E1	100 kW Emergency Generator	1982	Insignificant Activities List, Section B(2)(a)
IA-E7	565 kW Emergency Generator	1997	Insignificant Activities List, Section B(2)(b)
IA-MB2A	Cooling Tower MB2A	1999	Insignificant Activities List, Section A(20)
IA-MB2B	Cooling Tower MB2B	1999	Insignificant Activities List, Section A(20)
IA-DPA	Lot Quality DPA Hood	2000	Insignificant Activities List, Section A(12)
IA-LQO	2 Lot Quality Drying Ovens	1985-1990	Insignificant Activities List, Section A(12)

ATTACHMENT C

Applicable and Non-Applicable Federal and State Regulations

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The following contains the Federal and South Carolina air pollution regulations, which were specified in the Part 70, permit application and determined as applicable and non-applicable by the Department as of the date of this permit issuance. This attachment may be revised by the Department in the event of a change in the nature or emission of pollutants at the source or promulgation of new or revised regulations.

APPLICABILITY DETERMINATION		
Citation	Regulation	Applicable (Yes / No)
SC Regulation 61-62.1	Definitions and General Requirements	Yes
SC Regulation 61-62.1, Section II(E)	Synthetic Minor Construction Permits	No
SC Regulation 61-62.1, Section II(G)	Conditional Major	No
SC Regulation 61-62.1, Section II(J)	Permit Conditions	No
SC Regulation 61-62.2	Prohibition of Open Burning	Yes
SC Regulation 61-62.3	Air Pollution Episodes	No
SC Regulation 61-62.4	Hazardous Air Pollution Conditions	Yes
SC Regulation 61-62.5, Standard No. 1	Emissions From Fuel Burning Operations	Yes
SC Regulation 61-62.5, Standard No. 2	Ambient Air Quality Standards	Yes
SC Regulation 61-62.5, Standard No. 3	Waste Combustion and Reduction	Yes
SC Regulation 61-62.5, Standard No. 3.1	Hospital, Medical, Infectious Waste Incinerators	No
SC Regulation 61-62.5, Standard No. 4	Emissions from Process Industries	Yes
SC Regulation 61-62.5, Standard No. 5	Volatile Organic Compounds	No
SC Regulation 61-62.5, Standard No. 5.1	BACT/LAER Applicable to Volatile Organic Compounds	No
SC Regulation 61-62.5, Standard No. 6	Alternative Emission Limitation Options	No
SC Regulation 61-62.5, Standard No. 7	Prevention of Significant Deterioration	No
SC Regulation 61-62.5, Standard No. 8	Toxic Air Pollutants	Yes
SC Regulation 61-62.6	Control of Fugitive Particulate Matter	Yes
SC Regulation 61-62.63	National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Categories	Yes
SC Regulation 61-62.63 Subpart JJJJJ	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources	No
SC Regulation 61-62.7	Good Engineering Practice Stack Height	Yes
SC Regulation 61-62.70	Title V Operating Permit Program	Yes

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Applicable and Non-Applicable Federal and State Regulations

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APPLICABILITY DETERMINATION		
Citation	Regulation	Applicable (Yes / No)
SC Regulation 61-62.72	Acid Rain	No
40 CFR 264 Subpart AA	Air Emission Standards For Process Vents	No
40 CFR 264 Subpart BB	Air Emission Standards For Equipment Leaks	No
40 CFR 264 Subpart CC	Air Emission Standards For Tanks, Surface Impoundments, And Containers	No
40 CFR 265 Subpart BB	Air Emission Standards For Equipment Leaks	No
40 CFR 265 Subpart CC	Air Emission Standards For Tanks, Surface Impoundments, And Containers	No
40 CFR 52.21	Prevention Of Significant Deterioration Of Air Quality	No
40 CFR 60 Subpart A	General Provisions	Yes
40 CFR 60 Subpart B	Adoption and Submittal of State Plans for Designated Facilities	No
40 CFR 60 Subpart C	Emission Guidelines and Compliance Times	No
40 CFR 60 Subpart Ca	Reserved	No
40 CFR 60 Subpart Cb	Emission Guidelines And Compliance Times for Large Municipal Waste Combustors that are Constructed on or Before September 20, 1994	No
40 CFR 60 Subpart Cc	Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills	No
40 CFR 60 Subpart Cd	Emission Guidelines and Compliance Times for Sulfuric Acid Production Units	No
40 CFR 60 Subpart Ce	Emission Guidelines and Compliance Times for Hospital/Medical/Infectious Waste Incinerators	No
40 CFR 60 Subpart D	Standards of Performance for Fossil-fuel Fired Steam Generators for which Construction is Commenced After August 17, 1971	No
40 CFR 60 Subpart Da	Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced after September 18, 1978	No
40 CFR 60 Subpart Db	Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	No
40 CFR 60 Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	Yes
40 CFR 60 Subpart E	Standards of Performance for Incinerators	No
40 CFR 60 Subpart Ea	Standards of Performance for Municipal Waste Combustors for which Construction is Commenced after December 20, 1989 and on or before September 20, 1994	No
40 CFR 60 Subpart Eb	Standards of Performance for Large Municipal Waste Combustors for which Construction is Commenced after September 20, 1994 or for which modification or reconstruction is commenced after June 19, 1996	No
40 CFR 60 Subpart Ec	Standards of Performance for Hospital/Medical/Infectious Waste Incinerators for which Construction is Commenced after June 20, 1996	No
40 CFR 60 Subpart F	Standards of Performance for Portland Cement Plants	No
40 CFR 60 Subpart G	Standards of Performance for Nitric Acid Plants	No
40 CFR 60 Subpart H	Standards of Performance for Sulfuric Acid Plants	No
40 CFR 60 Subpart I	Standards of Performance for Asphalt Concrete Plants	No
40 CFR 60 Subpart J	Standards of Performance for Petroleum Refineries	No
40 CFR 60 Subpart Ja	Standards of Performance for Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After May 14, 2007	No

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APPLICABILITY DETERMINATION		
Citation	Regulation	Applicable (Yes / No)
40 CFR 60 Subpart K	Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction or Modification Commenced After June 11, 1973, and Prior to May 19, 1978	No
40 CFR 60 Subpart Ka	Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction or Modification Commenced After May 18, 1978 and Prior to July 23, 1984	No
40 CFR 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction or Modification Commenced after July 23, 1984	No
40 CFR 60 Subpart L	Standards of Performance for Secondary Lead Smelters	No
40 CFR 60 Subpart M	Standards of Performance for Secondary Brass and Bronze Production Plants	No
40 CFR 60 Subpart N	Standards of Performance for Primary Emissions from Basic Oxygen Process Furnaces for which Construction is Commenced After June 11, 1973	No
40 CFR 60 Subpart Na	Standards of Performance for Secondary Emissions from Basic Oxygen Process Steelmaking Facilities for which Construction is Commenced After January 20, 1983	No
40 CFR 60 Subpart O	Standards of Performance for Sewage Treatment Plants	No
40 CFR 60 Subpart P	Standards of Performance for Primary Copper Smelters	No
40 CFR 60 Subpart Q	Standards of Performance for Primary Zinc Smelters	No
40 CFR 60 Subpart R	Standards of Performance for Primary Lead Smelters	No
40 CFR 60 Subpart S	Standards of Performance for Primary Aluminum Reduction Plants	No
40 CFR 60 Subpart T	Standards of Performance for the Phosphate Fertilizer Industry: Wet- Process Phosphoric Acid Plants	No
40 CFR 60 Subpart U	Standards of Performance for the Phosphate Fertilizer Industry: Superphosphoric Acid Plants	No
40 CFR 60 Subpart V	Standards of Performance for the Phosphate Fertilizer Industry: Diammonium Phosphate Plants	No
40 CFR 60 Subpart W	Standards of Performance for the Phosphate Fertilizer Industry: Triple Superphosphoric Plants	No
40 CFR 60 Subpart X	Standards of Performance for the Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities	No
40 CFR 60 Subpart Y	Standards of Performance for Coal Preparation and Processing Plants	No
40 CFR 60 Subpart Z	Standards of Performance for Ferroalloy Production Facilities	No
40 CFR 60 Subpart AA	Standards of Performance for Steel Plants: Electric Arc Furnaces Constructed After October 21, 1974 and on or Before August 17, 1983	No
40 CFR 60 Subpart AAa	Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983	No
40 CFR 60 Subpart BB	Standards of Performance for Kraft Pulp Mills	No
40 CFR 60 Subpart CC	Standards of Performance for Glass Manufacturing Plants	No
40 CFR 60 Subpart DD	Standards of Performance for Grain Elevators	No
40 CFR 60 Subpart EE	Standards of Performance for Surface Coating of Metal Furniture	No
40 CFR 60 Subpart FF	Reserved	No
40 CFR 60 Subpart GG	Standards of Performance for Stationary Gas Turbines	No

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Applicable and Non-Applicable Federal and State Regulations

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APPLICABILITY DETERMINATION		
Citation	Regulation	Applicable (Yes / No)
40 CFR 60 Subpart HH	Standards of Performance for Lime Manufacturing Plants	No
40 CFR 60 Subpart KK	Standards of Performance for Lead-Acid Battery Manufacturing Plants	No
40 CFR 60 Subpart LL	Standards of Performance for Metallic Mineral Processing Plants	No
40 CFR 60 Subpart MM	Standards of Performance for Automobile and Light-Duty Truck Surface Coating Operations	No
40 CFR 60 Subpart NN	Standards of Performance for Phosphate Rock Plants	No
40 CFR 60 Subpart PP	Standards of Performance for Ammonium Sulfate Manufacture	No
40 CFR 60 Subpart QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	No
40 CFR 60 Subpart RR	Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations	No
40 CFR 60 Subpart SS	Standards of Performance for Industrial Surface Coating: Large Appliances	No
40 CFR 60 Subpart TT	Standards of Performance for Metal Coil Surface Coating	No
40 CFR 60 Subpart UU	Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture	No
40 CFR 60 Subpart VV	Standards of Performance for Equipment Leaks of VOC in The Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006	No
40 CFR 60 Subpart VVa	Standards of Performance for Equipment Leaks of VOC in The Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After November 7, 2006	No
40 CFR 60 Subpart WW	Standards of Performance for the Beverage Can Surface Coating Industry	No
40 CFR 60 Subpart XX	Standards of Performance for Bulk Gasoline Terminals	No
40 CFR 60 Subpart AAA	Standards of Performance for New Residential Wood Heaters	No
40 CFR 60 Subpart BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	No
40 CFR 60 Subpart CCC	Reserved	No
40 CFR 60 Subpart DDD	Standards of Performance for Volatile Organic Compounds (VOC) Emissions from the Polymer Manufacturing Industry	No
40 CFR 60 Subpart EEE	Reserved	No
40 CFR 60 Subpart FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	No
40 CFR 60 Subpart GGG	Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After January 4, 1983, and on or Before November 7, 2006	No
40 CFR 60 Subpart GGGa	Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After November 7, 2006	No
40 CFR 60 Subpart HHH	Standards of Performance for Synthetic Fiber Production Facilities	No
40 CFR 60 Subpart III	Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes	No
40 CFR 60 Subpart JJJ	Standards of Performance for Petroleum Dry Cleaners	No
40 CFR 60 Subpart KKK	Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	No

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APPLICABILITY DETERMINATION		
Citation	Regulation	Applicable (Yes / No)
40 CFR 61 Subpart A	General Provisions	Yes
40 CFR 61 Subpart B	National Emission Standards for Radon Emissions from Underground Uranium Mines	No
40 CFR 61 Subpart C	National Emission Standard for Beryllium	No
40 CFR 61 Subpart D	National Emission Standard for Beryllium Rocket Motor Firing	No
40 CFR 61 Subpart E	National Emission Standard for Mercury	No
40 CFR 61 Subpart F	National Emission Standard for Vinyl Chloride	No
40 CFR 61 Subpart G	Reserved	No
40 CFR 61 Subpart H	National Emission Standards for Emissions of Radionuclides Other Than Radon from Department of Energy Facilities	No
40 CFR 61 Subpart I	National Emission Standards for Radionuclide Emissions From Federal Facilities Other Than Nuclear Regulatory Commission Licensees And Not Covered By Subpart H	No
40 CFR 61 Subpart J	National Emission Standard for Equipment Leaks (Fugitive Emission Sources) of Benzene	No
40 CFR 61 Subpart K	National Emission Standards for Radionuclide Emissions from Elemental Phosphorus Plants	No
40 CFR 61 Subpart L	National Emission Standards for Benzene Emissions from Coke By-Product Recovery Plants	No
40 CFR 61 Subpart M	National Emission Standard for Asbestos	Yes
40 CFR 61 Subpart N	National Emission Standard for Inorganic Arsenic Emissions from Gas Manufacturing Plants	No
40 CFR 61 Subpart O	National Emission Standard for Inorganic Arsenic Emissions from Primary Copper Smelters	No
40 CFR 61 Subpart P	National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities	No
40 CFR 61 Subpart Q	National Emission Standards for Radon Emissions from Department of Energy Facilities	No
40 CFR 61 Subpart R	National Emission Standards for Radon Emissions from Phosphogypsum Stacks	No
40 CFR 61 Subpart S	Reserved	No
40 CFR 61 Subpart T	National Emission Standards for Radon Emissions from the Disposal of Uranium Mill Tailings	No
40 CFR 61 Subpart U	Reserved	No
40 CFR 61 Subpart V	National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	No
40 CFR 61 Subpart W	National Emission Standards for Radon Emissions from Operating Mill Tailings	No
40 CFR 61 Subpart X	Reserved	No
40 CFR 61 Subpart Y	National Emission Standard for Benzene Emissions from Benzene Storage Vessels	No
40 CFR 61 Subpart Z	Reserved	No
40 CFR 61 Subpart AA	Reserved	No
40 CFR 61 Subpart BB	National Emission Standard for Benzene Emissions from Benzene Transfer Operations	No
40 CFR 61 Subpart CC	Reserved	No
40 CFR 61 Subpart DD	Reserved	No
40 CFR 61 Subpart EE	Reserved	No
40 CFR 61 Subpart FF	National Emission Standard for Benzene Waste Operations	No

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Citation	Regulation	Applicable (Yes / No)
40 CFR 63 Subpart A	General Provisions	Yes
40 CFR 63 Subpart B	Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Sections 112 (g) and 112 (j)	Yes
40 CFR 63 Subpart C	List of Hazardous Pollutants, Petition Process, Lesser Quantity Designations, Source Category List	Yes
40 CFR 63 Subpart D	Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants	Yes
40 CFR 63 Subpart E	Approval of State Programs and Delegation of Federal Authorities	Yes
40 CFR 63 Subpart F	National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry	Yes
40 CFR 63 Subpart G	National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations and Wastewater	Yes
40 CFR 63 Subpart H	National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks	Yes
40 CFR 63 Subpart I	National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks	Yes
40 CFR 63 Subpart J	National Emission Standards For Hazardous Air Pollutants for Polyvinyl Chloride and Copolymers Production	Yes
40 CFR 63 Subpart K	Reserved	Yes
40 CFR 63 Subpart L	National Emission Standards for Coke Oven Batteries	Yes
40 CFR 63 Subpart M	National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities	Yes
40 CFR 63 Subpart N	National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks	Yes
40 CFR 63 Subpart O	Ethylene Oxide Emissions Standards for Sterilization Facilities	Yes
40 CFR 63 Subpart P	Reserved	Yes
40 CFR 63 Subpart Q	National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers	Yes
40 CFR 63 Subpart R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	Yes
40 CFR 63 Subpart S	National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry	Yes
40 CFR 63 Subpart T	National Emission Standards of Halogenated Solvent Cleaning	Yes
40 CFR 63 Subpart U	National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	Yes
40 CFR 63 Subpart V	Reserved	Yes
40 CFR 63 Subpart W	National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-Nylon Polyamides Production	Yes
40 CFR 63 Subpart X	National Emission Standards for Hazardous Air Pollutants From Secondary Lead Smelting	Yes
40 CFR 63 Subpart Y	National Emission Standards for Marine Tank Vessel Loading Operations	Yes
40 CFR 63 Subpart Z	Reserved	Yes

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Citation	Regulation	Applicable (Yes / No)
40 CFR 63 Subpart AA	National Emission Standards for Hazardous Air Pollutants from Phosphoric Acid Manufacturing Plants	Yes
40 CFR 63 Subpart BB	National Emission Standards for Hazardous Air Pollutants from Phosphate Fertilizers Production Plants	Yes
40 CFR 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	Yes
40 CFR 63 Subpart DD	National Emission Standards for Hazardous Air Pollutants from Off-site Waste and Recovery Operations	Yes
40 CFR 63 Subpart EE	National Emission Standards for Magnetic Tape Manufacturing Operations	Yes
40 CFR 63 Subpart FF	Reserved	Yes
40 CFR 63 Subpart GG	National Emission Standards for Aerospace Manufacturing and Rework Facilities	Yes
40 CFR 63 Subpart HH	National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities	Yes
40 CFR 63 Subpart II	National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)	Yes
40 CFR 63 Subpart JJ	National Emission Standards for Wood Furniture Manufacturing Operations	Yes
40 CFR 63 Subpart KK	National Emission Standards for the Printing and Publishing Industry	Yes
40 CFR 63 Subpart LL	National Emission Standards for Hazardous Air Pollutants for Primary Aluminum Reduction Plants	Yes
40 CFR 63 Subpart MM	National Emission Standards for Hazardous Air Pollutants for Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semicemical Pulp Mills	Yes
40 CFR 63 Subpart NN	Reserved	Yes
40 CFR 63 Subpart OO	National Emission Standards for Tanks - Level 1	Yes
40 CFR 63 Subpart PP	National Emission Standards for Containers	Yes
40 CFR 63 Subpart QQ	National Emission Standards for Surface Impoundments	Yes
40 CFR 63 Subpart RR	National Emission Standards for Individual Drain Systems	Yes
40 CFR 63 Subpart SS	National Emission Standards for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process	Yes
40 CFR 63 Subpart TT	National Emission Standards for Equipment Leaks-Control Level 1	Yes
40 CFR 63 Subpart UU	National Emission Standards for Equipment Leaks-Control Level 2 Standards	Yes
40 CFR 63 Subpart VV	National Emission Standards of Oil-Water Separators and Organic-Water Separators	Yes
40 CFR 63 Subpart WW	National Emission Standards for Storage Vessels (Tanks) - Control Level 2	Yes
40 CFR 63 Subpart XX	National Emission Standards for Ethylene Manufacturing Process Units: Heat Exchange Systems and Waste Operations	Yes
40 CFR 63 Subpart YY	National Emission Standards for Hazardous Air Pollutants for Source Categories: Generic Maximum Achievable Control Technology Standards	Yes
40 CFR 63 Subpart CCC	National Emission Standards for Hazardous Air Pollutants for Steel Pickling--HCl Process Facilities and Hydrochloric Acid Regeneration Plants	Yes
40 CFR 63 Subpart DDD	National Emission Standards for Hazardous Air Pollutants for Mineral Wool Production	Yes
40 CFR 63 Subpart EEE	National Emission Standards for Hazardous Air Pollutants From Hazardous Waste Combustors	Yes
40 CFR 63 Subpart FFF	Reserved	Yes
40 CFR 63 Subpart GGG	National Emission Standards for Pharmaceuticals Production	Yes

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Citation	Regulation	Applicable (Yes / No)
40 CFR 63 Subpart HHH	National Emission Standards for Hazardous Air Pollutants from Natural Gas Transmission and Storage Facilities	Yes
40 CFR 63 Subpart III	National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production	Yes
40 CFR 63 Subpart JJJ	National Emission Standards for Hazardous Air Pollutants Emissions: Group IV Polymers and Resins	Yes
40 CFR 63 Subpart KKK	Reserved	Yes
40 CFR 63 Subpart LLL	National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry	Yes
40 CFR 63 Subpart MMM	National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production	Yes
40 CFR 63 Subpart NNN	National Emission Standards for Hazardous Air Pollutants for Wool Fiberglass Manufacturing	Yes
40 CFR 63 Subpart OOO	National Emission Standards for Hazardous Air Pollutant Emissions: Manufacture of Amino/Phenolic Resins	Yes
40 CFR 63 Subpart PPP	National Emission Standards for Hazardous Air Pollutant Emissions for Polyester Polyols Production	Yes
40 CFR 63 Subpart QQQ	National Emission Standards for Hazardous Air Pollutants for Primary Copper Smelting	Yes
40 CFR 63 Subpart RRR	National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production	Yes
40 CFR 63 Subpart SSS	Reserved	Yes
40 CFR 63 Subpart TTT	National Emission Standards for Hazardous Air Pollutants for Primary Lead Smelting	Yes
40 CFR 63 Subpart UUU	National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units	Yes
40 CFR 63 Subpart VVV	National Emission Standards for Hazardous Air Pollutants: Publicly Owned Treatment Works	Yes
40 CFR 63 Subpart WWW	Reserved	Yes
40 CFR 63 Subpart XXX	National Emission Standards for Hazardous Air Pollutants for Ferroalloys Production: Ferromanganese and Silicomanganese	Yes
40 CFR 63 Subpart AAAA	National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills	Yes
40 CFR 63 Subpart CCCC	National Emission Standards for Hazardous Air Pollutants: Manufacturing of Nutritional Yeast	Yes
40 CFR 63 Subpart DDDD	National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products	Yes
40 CFR 63 Subpart EEEE	National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)	Yes
40 CFR 63 Subpart FFFF	National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing	Yes
40 CFR 63 Subpart GGGG	National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production	Yes

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Citation	Regulation	Applicable (Yes / No)
40 CFR 63 Subpart HHHH	National Emission Standards for Hazardous Air Pollutants for Wet-Formed Fiberglass Mat Production	Yes
40 CFR 63 Subpart IIII	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light-Duty Trucks	Yes
40 CFR 63 Subpart JJJJ	National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating	Yes
40 CFR 63 Subpart KKKK	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Cans	Yes
40 CFR 63 Subpart MMMM	National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products	Yes
40 CFR 63 Subpart NNNN	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Large Appliances	Yes
40 CFR 63 Subpart OOOO	National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles	Yes
40 CFR 63 Subpart PPPP	National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products	Yes
40 CFR 63 Subpart QQQQ	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products	Yes
40 CFR 63 Subpart RRRR	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Furniture	Yes
40 CFR 63 Subpart SSSS	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil	Yes
40 CFR 63 Subpart TTTT	National Emission Standards for Hazardous Air Pollutants for Leather Finishing Operations	Yes
40 CFR 63 Subpart UUUU	National Emission Standards for Hazardous Air Pollutants for Cellulose Product Manufacturing	Yes
40 CFR 63 Subpart VVVV	National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing	Yes
40 CFR 63 Subpart WWWW	National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production	Yes
40 CFR 63 Subpart XXXX	National Emission Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing	Yes
40 CFR 63 Subpart YYYY	National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines	Yes
40 CFR 63 Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	Yes
40 CFR 63 Subpart AAAAA	National Emission Standards for Hazardous Air Pollutants for Lime Manufacturing Plants	Yes
40 CFR 63 Subpart BBBB	National Emission Standards for Hazardous Air Pollutants for Semiconductor Manufacturing	Yes
40 CFR 63 Subpart CCCCC	National Emission Standards for Hazardous Air Pollutants for Coke Ovens: Pushing, Quenching, and Battery Stacks	Yes
40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters	Yes

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Citation	Regulation	Applicable (Yes / No)
40 CFR 63 Subpart EEEEE	National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries	Yes
40 CFR 63 Subpart FFFFF	National Emission Standards for Hazardous Air Pollutants for Integrated Iron and Steel Manufacturing Facilities	Yes
40 CFR 63 Subpart GGGGG	National Emission Standards for Hazardous Air Pollutants: Site Remediation	Yes
40 CFR 63 Subpart HHHHH	National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing	Yes
40 CFR 63 Subpart IIIII	National Emission Standards for Hazardous Air Pollutants: Mercury Emissions from Mercury Cell Chlor-Alkali Plants	Yes
40 CFR 63 Subpart JJJJJ	National Emission Standards for Hazardous Air Pollutants for Brick and Structural Clay Products Manufacturing	Yes
40 CFR 63 Subpart KKKKK	National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing	Yes
40 CFR 63 Subpart LLLLL	National Emission Standards for Hazardous Air Pollutants: Asphalt Processing and Asphalt Roofing Manufacturing	Yes
40 CFR 63 Subpart MMMMM	National Emission Standards for Hazardous Air Pollutants: Flexible Polyurethane Foam Fabrication Operations	Yes
40 CFR 63 Subpart NNNNN	National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production	Yes
40 CFR 63 Subpart OOOOO	Reserved	Yes
40 CFR 63 Subpart PPPPP	National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Standards	Yes
40 CFR 63 Subpart QQQQQ	National Emission Standards for Hazardous Air Pollutants for Friction Materials Manufacturing Facilities	Yes
40 CFR 63 Subpart RRRRR	National Emission Standards for Hazardous Air Pollutants: Taconite Iron Ore Processing	Yes
40 CFR 63 Subpart SSSSS	National Emission Standards for Hazardous Air Pollutants for Refractory Products Manufacturing	Yes
40 CFR 63 Subpart TTTTT	National Emission Standards for Hazardous Air Pollutants for Primary Magnesium Refining	Yes
40 CFR 63 Subpart WWWW	National Emission Standards For Hospital Ethylene Oxide Sterilizers	Yes
40 CFR 63 Subpart XXXXX	Reserved	Yes
40 CFR 63 Subpart YYYYY	National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities	Yes
40 CFR 63 Subpart ZZZZZ	National Emission Standards for Hazardous Air Pollutants for Iron And Steel Foundries Area Sources	Yes
40 CFR 63 Subpart AAAAA	Reserved	Yes
40 CFR 63 Subpart BBBBB	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities	Yes
40 CFR 63 Subpart CCCCC	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities	Yes
40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Polyvinyl Chloride and Copolymers Production Area Sources	Yes

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Citation	Regulation	Applicable (Yes / No)
40 CFR 63 Subpart EEEEEEE	National Emission Standards for Hazardous Air Pollutants for Primary Copper Smelting Area Sources	Yes
40 CFR 63 Subpart FFFFFFF	National Emission Standards for Hazardous Air Pollutants for Secondary Copper Smelting Area Sources	Yes
40 CFR 63 Subpart GGGGGG	National Emission Standards for Hazardous Air Pollutants for Primary Nonferrous Metals Area Sources-Zinc, Cadmium, and Beryllium	Yes
40 CFR 63 Subpart HHHHHH	National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources	Yes
40 CFR 63 Subpart IIIII	Reserved	Yes
40 CFR 63 Subpart JJJJJ	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources	No
40 CFR 63 Subpart KKKKKK	Reserved	No
40 CFR 63 Subpart LLLLLL	National Emission Standards for Hazardous Air Pollutants for Acrylic and Modacrylic Fibers Production Area Sources	Yes
40 CFR 63 Subpart MMMMM	National Emission Standards for Hazardous Air Pollutants for Carbon Black Production Area Sources	Yes
40 CFR 63 Subpart NNNNNN	National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources: Chromium Compounds	Yes
40 CFR 63 Subpart OOOOOO	National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production and Fabrication Area Sources	Yes
40 CFR 63 Subpart PPPPPP	National Emission Standards for Hazardous Air Pollutants for Lead Acid Battery Manufacturing Area Sources	Yes
40 CFR 63 Subpart QQQQQQ	National Emission Standards for Hazardous Air Pollutants for Wood Preserving Area Sources	Yes
40 CFR 63 Subpart RRRRRR	National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing Area Sources	Yes
40 CFR 63 Subpart SSSSSS	National Emission Standards for Hazardous Air Pollutants for Glass Manufacturing Area Sources	Yes
40 CFR 63 Subpart TTTTTT	National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources	Yes
40 CFR 63 Subpart UUUUUU	Reserved	Yes
40 CFR 63 Subpart VVVVVV	National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources	Yes
40 CFR 63 Subpart WWWWWW	National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations	Yes
40 CFR 63 Subpart XXXXXX	National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories	Yes
40 CFR 63 Subpart YYYYYY	National Emission Standards for Hazardous Air Pollutants for Area Sources: Ferroalloys Production Facilities	Yes
40 CFR 63 Subpart ZZ-BBB	Reserved	Yes
40 CFR 63 Subpart ZZZZZZ	National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Aluminum, Copper, and Other Nonferrous Foundries	Yes

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Citation	Regulation	Applicable (Yes / No)
40 CFR 63 Subpart AAAAAAA	National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing	Yes
40 CFR 63 Subpart BBBBBBBB	National Emission Standards for Hazardous Air Pollutants for Area Sources: Chemical Preparations Industry	Yes
40 CFR 63 Subpart CCCCCC	National Emission Standards for Hazardous Air Pollutants for Area Sources: Paints and Allied Products Manufacturing	Yes
40 CFR 63 Subpart DDDDDDD	National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing	Yes
40 CFR 63 Subpart UUUUU-VVVVV	Reserved	Yes
40 CFR 64	Compliance Assurance Monitoring	Yes
40 CFR 68	Chemical Accident Prevention Provisions	No
40 CFR 70	State Operating Permit Program	Yes
40 CFR 72	Permits Regulation	No
40 CFR 72 Subpart A	Acid Rain Program General Provisions	No
40 CFR 72 Subpart B	Designated Representative	No
40 CFR 72 Subpart C	Acid Rain Permit Applications	No
40 CFR 72 Subpart D	Acid Compliance Plan and Compliance Options	No
40 CFR 72 Subpart E	Acid Rain Permit Contents	No
40 CFR 72 Subpart F	Federal Acid Rain Permit Issuance Procedures	No
40 CFR 72 Subpart G	Acid Rain Phase II Implementation	No
40 CFR 72 Subpart H	Permit Revisions	No
40 CFR 72 Subpart I	Compliance Certification	No
40 CFR 73	Allowance System	No
40 CFR 73 Subpart A	Background and Summary	No
40 CFR 73 Subpart B	Allowance Allocations	No
40 CFR 73 Subpart C	Allowance Tracking System	No
40 CFR 73 Subpart D	Allowance Transfers	No
40 CFR 73 Subpart E	Actions, Direct Sales, and Independent Power Producers Written Guarantee	No
40 CFR 73 Subpart F	Energy Conservation and Renewable Energy Reserve	No
40 CFR 73 Subpart G	Small Diesel Refineries	No
40 CFR 74	Sulfur Dioxide Opt-Ins	No
40 CFR 75	Continuous Emission Monitoring	No
40 CFR 75 Subpart A	General	No
40 CFR 75 Subpart B	Monitoring Provisions	No
40 CFR 75 Subpart C	Operation and Maintenance Requirements	No
40 CFR 75 Subpart D	Missing Data Substitution Procedures	No
40 CFR 75 Subpart E	Alternative Monitoring Systems	No
40 CFR 75 Subpart F	Recordkeeping Requirements	No
40 CFR 75 Subpart G	Reporting Requirements	No
40 CFR 75 Subpart H	NO _x Mass Emissions Provisions	No
40 CFR 75 Subpart I	Hg Mass Emissions Provisions	No

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40 CFR 76	Acid Rain Nitrogen Oxides Emission Reduction Program	No
40 CFR 77	Excess Emissions	No
40 CFR 79	Registration of Fuels and Fuel Additives	No
40 CFR 80	Regulation of Fuels and Fuel Additives	No
40 CFR 81	Designation of Areas for Air Quality Control Regions	No
40 CFR 82	Protection of Stratospheric Ozone	Yes
40 CFR 96	NO _x Budget Trading Program and CAIR NO _x and SO ₂ Trading Programs for State Implementation Plans	No
40 CFR 96 Subpart AA	CAIR NO _x Annual Trading Program General Provisions	No
40 CFR 96 Subpart BB	CAIR Designated Representative for CAIR NO _x Sources	No
40 CFR 96 Subpart CC	Permits	No
40 CFR 96 Subpart EE	CAIR NO _x Allowance Allocations	No
40 CFR 96 Subpart FF	CAIR NO _x Allowance Tracking System	No
40 CFR 96 Subpart GG	CAIR NO _x Allowance Transfers	No
40 CFR 96 Subpart HH	Monitoring and Reporting	No
40 CFR 96 Subpart II	CAIR NO _x Opt-in Units	No
40 CFR 96 Subpart AAA	CAIR SO ₂ Trading Program General Provisions	No
40 CFR 96 Subpart BBB	CAIR Designated Representative for CAIR SO ₂ Sources	No
40 CFR 96 Subpart CCC	Permits	No
40 CFR 96 Subpart FFF	CAIR SO ₂ Allowance Tracking System	No
40 CFR 96 Subpart GGG	CAIR SO ₂ Allowance Transfers	No
40 CFR 96 Subpart HHH	Monitoring and Reporting	No
40 CFR 96 Subpart III	CAIR SO ₂ Opt-In Units	No
40 CFR 96 Subpart AAAA	CAIR NO _x Ozone Season Trading Program General Provisions	No
40 CFR 96 Subpart BBBB	CAIR Designated Representative for CAIR NO _x Ozone Season Sources	No
40 CFR 96 Subpart CCCC	Permits	No
40 CFR 96 Subpart EEEE	CAIR NO _x Ozone Season Allowance Allocations	No
40 CFR 96 Subpart FFFF	CAIR NO _x Ozone Season Allowance Tracking System	No
40 CFR 96 Subpart GGGG	CAIR NO _x Ozone Season Allowance Transfers	No
40 CFR 96 Subpart HHHH	Monitoring and Reporting	No
40 CFR 96 Subpart IIII	CAIR NO _x Ozone Season Opt-In Units	No
40 CFR 98	Mandatory Reporting of Greenhouse Gases	No

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CONTROL DEVICE PERFORMANCE INDICATORS AND OPERATIONAL RANGES					
Control Device ID	Pollutant Controlled	Applicable Requirement (Special permit limitations, fuel info, different capture systems, etc.)	Parameter Monitored, Performance Indicator, etc.	Operational Range	Date
CD-AD-1 CD-AD-2 CD-AD-3	VOC	SC Regulation 61-62.5, Std 3 SC Regulation 61-62.63, Subparts A & B 40 CFR 63, Subparts A &B	Adsorption Unit Δ P	1.0"-5.0" H ₂ O	1998
CD-AD-1 CD-AD-2 CD-AD-3	VOC	SC Regulation 61-62.5, Std 3 SC Regulation 61-62.63, Subparts A & B 40 CFR 63, Subparts A &B	Desorption Unit Temperature	350°F-650°F	1998 REV 2011
CD-TO-1	VOC	SC Regulation 61-62.5, Std 3 SC Regulation 61-62.63, Subparts A & B 40 CFR 63, Subparts A &B	Thermal Oxidizer Unit Temperature	1400°F-1800°F	1998
CD-DC-A CD-DC-B CD-DC-C	PM PM ₁₀ PM _{2.5}	SC Regulation 61-62.5, Std 4	Dust Collector Δ P	1.0"-5.0" H ₂ O	1986
CD-MB2- BH	PM PM ₁₀ PM _{2.5}	SC Regulation 61-62.5, Std 4	Baghouse Δ P	1.0"-5.0" H ₂ O	1998
CD-TFS	PM PM ₁₀ PM _{2.5} VOCs HAPs	SC Regulation 61-62.5, Std 4 SC Regulation 61-62.1, Section II(E)	Thin Film Scrubber Liquid pH	6.0-13.0 pH	2002
CD-TFS	PM PM ₁₀ PM _{2.5} VOCs HAPs	SC Regulation 61-62.5, Std 4 SC Regulation 61-62.1, Section II(E)	Thin Film Scrubber Δ P	1.0"-3.0" H ₂ O	2002

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