

JEFFERSON COUNTY DEPARTMENT OF HEALTH

AIR POLLUTION PROGRAM

MAJOR SOURCE OPERATING PERMIT

Permittee: HarbisonWalker International, Inc. Fairfield Plant

Location: 2595 Ensley Pleasant Grove Road
Fairfield, AL 35064

Permit No: 4-07-0330-06

Issuance Date: July 25, 2018

Expiration Date: July 15, 2023

Nature of Business: Manufacturer of Refractory Bricks

Emissions Unit Nos.	Emissions Unit Description
001	M&D Ball Clay, A-2 High Alumina and Potter's Flint outside Storage Silos, a Kaolox D-6 inside Storage Silo, and 4 inside Day Bins all with Bin Vent Dust Collectors
002	Vertical Shaft Impactor (VSI) System Feed Hopper, Feed Conveyor with a 12,000 SCFM Dust Collector, Coarse Return Conveyor, VSI Crusher, Conveyor, Screen, Conveyor, Bins all connected to a 9,800 SCFM Dust Collector, Dust Collector Dust (Pumped from the 9,800 SCFM dust collector) Receiver with a 900 SCFM Dust Collector
003	Fired Brick Batt Crusher (Jaw Crusher) with a 4,600 DSCFM Baghouse, Secondary Crusher and Crushed Batt Conveyor connected to a 3,600 SCFM Baghouse
004	Ball Mill No. 1, Ball Mill No. 2, Belt Conveyors, 2 Bucket Elevators, Pre-ground Material Storage Bins, 4 Mixers all connected to a 33,000 SCFM Baghouse
011	Tunnel Dryer
012	Tunnel Kiln
013	Besly Grinder, a Clipper Saw connected to a 6,400 SCFM Baghouse
016	Green Scrap Crushing System consisting of a Green Scrap Hopper, a Vibrating Feeder, a Hazmeg Crusher, a Bucket Elevator, a Sizing Screen, and a Conveyor Belt connected to a 3,500 SCFM Baghouse

This Permit is issued pursuant to and is conditioned upon the compliance with the provisions of the Jefferson County Board of Health Air Pollution Control Rules and Regulations, the applicable requirements of the Clean Air Act implementation plan for Alabama approved or promulgated by the United States Environmental Protection Agency (EPA) through rulemaking under title I of the Clean Air Act (identified in 40 CFR 52, Subpart B) and other applicable requirements as defined in Section 18.1.1(e) of the Jefferson County Board of Health Rules and Regulations, Section 18 of the Alabama Air Pollution Control Act of 1971, Act No. 769 (Regular Session, 1971), Section 22-28-16 of the Alabama Air Pollution Control Act as amended, Orders of the Jefferson County Board of Health, Orders of the Director of the Alabama Department of Environmental Management (ADEM) and any applicable local, state or federal Court Order. This permit is subject to the accuracy of all information submitted relating to the permit applications and to the conditions appended hereto. It is valid from the date of issuance until the expiration date and shall be posted or kept under file at the source location described above and shall be made readily available for inspection at any reasonable time to any and all persons who may request to see it. This permit is not transferable.

Pursuant to the Clean Air Act, conditions of this permit are federally enforceable by EPA, The Jefferson County Board of Health, ADEM and citizen in general. However, provisions that are not required by the Clean Air Act or under any of its applicable requirements, are considered to be Jefferson County provisions and are not federally enforceable by EPA and citizen in general. Those provisions are contained in separate Sections of this Operating Permit and are specifically identified as not being federally enforceable.


Jonathan Stanton, Director
Environmental Health Services

Approved: Mark E. Wilson, M.D.
Health Officer

ENV-AP-107-10/11



General Permit Conditions

In addition to compliance with Alabama Air Pollution Control Act Number 769 (Regular Session, 1971) and Act Number 612 (Regular Session, 1982) and with all applicable Air Pollution Control Rules and Regulations, the conditions which are listed below are hereby contained in and made a part of this permit. For each citation to a Jefferson County Board of Health regulation provided in connection with a permit condition (other than for those permit conditions that are specifically identified in the permit as not being federally enforceable), Appendix A to this permit identifies the corresponding ADEM regulation that has been approved by EPA as part of the Clean Air Act implementation plan for Alabama (identified in 40 CFR 52, Subpart B). The corresponding ADEM regulations together with the cited Jefferson County Board of Health regulations, serves as the origin and authority for the associated permit term or condition.

	Federally Enforceable Conditions	Regulations
1.	<u>Basis for Permit</u> This permit is issued based on provisions contained in all existing Jefferson County Board of Health Air Pollution Control Rules and Regulations (hereinafter, called "Rules and Regulations" in this permit). In the event amendments, revisions or additions are made to these Rules and Regulations, it shall be the responsibility of the permit holder (hereinafter, called the "permittee" in this permit) to comply with such new Rules and Regulations. Additions and revisions to the conditions in this permit will be made by the Jefferson County Department of Health (hereinafter, called the "Department"), if necessary, to assure that the Rules and Regulations are not violated.	AL Act 769
2.	<u>Authority</u> Nothing in this permit or conditions appended thereto shall negate any authority granted to this Department or the Health Officer pursuant to Act No. 769 (Regular Session, 1971) and Act No. 612 (Regular Session, 1982) or any regulations promulgated thereunder.	AL Act 769
3.	<u>Emission Reduction Plan</u> Upon notification by this Department, the permittee shall submit an Air Pollution Emission Reduction Plan in a format approved by this Department concerning air contaminants emissions reductions to be taken during declared episodes.	18.2.8(b)
4.	<u>Bypass Prohibited</u> Except as provided in this permit, the permittee shall not bypass, without prior approval from this Department, any air pollution control device. The permittee shall not shut down any air pollution control device unless such shutdown is accompanied by the corresponding shutdown of the respective source which the device is intended to control.	18.2.8(a)
5.	<u>Transfer</u> This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another or from one person to another except as provided in Subparagraph 18.13.1(a)(5).	18.2.6
6.	<u>Shutdown of Controls</u> In the case of shutdown of air pollution control equipment for scheduled maintenance for a period greater than 24 hours, the intent to shutdown shall be reported to this Department at least 24 hours prior to the planned shutdown in accordance with the requirements of Section 1.12.1 of the Rules and Regulations.	1.12.1

7.	<p><u>Testing</u></p> <p>A source emissions test may be required by this Department at any time. The methods for such testing shall be in accordance with procedures established by Parts 51, 60, and 63 of Title 40 of the Code of Federal Regulations.</p>	<p>1.9.1 18.5.3(a)(1)</p>
8.	<p><u>Notice of Testing</u></p> <p>The permittee shall notify this Department in writing at least 2 weeks prior to the actual conduction of any required source emissions compliance test. This notice shall state the source to be tested, the proposed time of the test, and the testing date(s).</p>	<p>1.9.1</p>
9.	<p><u>Provisions for Testing</u></p> <p>The permittee shall provide each point of emission required to be tested with sampling ports, ladders, stationary platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Parts 51, 60, and 63 of Title 40 of the Code of Federal Regulations.</p>	<p>18.2.8(c) 1.10.3</p>
10.	<p><u>Test Results</u></p> <p>The permittee shall submit the results of all required emissions tests in duplicate in bound copies to this Department within a time period specified by this Department; however, not to exceed 3 weeks from the test completion date.</p>	<p>18.2.8(c) 1.10.4</p>
11.	<p><u>Maintenance of Controls</u></p> <p>A. The permittee shall equip each fabric filter particulate matter control device with a pressure differential measuring device to measure pressure drop across the filter media in the control device. This device shall be installed in a location which is easily accessible for inspection by personnel of this Department.</p> <p>B. All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in accordance with the manufacturer's specifications or alternative procedures approved by the Department so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be submitted to this Department for approval.</p> <p>C. The permittee shall conduct routine inspections on all required control equipment. All inspection results and repair work performed on the pollution control device shall be recorded. These records shall be kept in a permanent form suitable for inspection in a format approved by this Department and shall be retained for at least 2 years.</p>	<p>18.2.8(a)</p>
12.	<p><u>Fugitive Dust</u></p> <p>The permittee shall not cause, suffer, allow, or permit any materials to be handled, transported, or stored; or a building, its appurtenances, or a road to be used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, but not limited to, the following:</p> <p>(A) Use, where possible, of water or chemicals for control of dust in the demolition of existing building or structures, construction operations, the grading of roads or clearing of land;</p> <p>(B) Application of asphalt, oil, water, or suitable chemicals on dirt roads, material stock piles,</p>	<p>18.2.8(a)</p> <p>6.2.1</p> <p>6.2.1(a)</p> <p>6.2.1(b)</p>

	and other surfaces which create airborne dust problems; and	
	(C) Installation and use of hoods, fans, and fabric filters (or other suitable control devices) to enclose and vent the handling of dust materials. Adequate containment methods shall be employed during sand blasting or other similar operations.	6.2.1(c)
	(D) No person shall cause or permit the discharge of visible fugitive dust emissions beyond the lot line of the property on which the emissions originate	6.2.2 6.2.3
	(E) When dust, fumes, gases, mist, odorous matter, vapor, or any combination thereof escape from a building or equipment in such a manner and amount as to cause nuisance or to violate any rule or regulation, the Health Officer may order that the building or equipment in which processing, handling and storage are done be tightly closed and ventilated in such a way that all air and gases and air or gases-borne materials leaving the building or equipment are treated by removal or destruction of air contaminants before discharge to the open air.	
13.	<u>Malfunction</u> The permittee shall maintain records of the occurrence and duration of any start-up, shutdown or malfunction in the operation of the process equipment permitted herein, and any malfunction of the air pollution control equipment. These records shall be kept in a permanent form suitable for inspection in a format approved by this Department and shall be retained at least 5 years following the date of each occurrence.	18.2.3
14.	<u>Monitoring Records</u> Records of all required monitoring shall be retained for a period of 5 years from the date of measurement including all calibration and maintenance records and all original strip-chart recordings and copies of all reports.	18.5.3(b)(1)(vii)
15.	<u>Monitoring Reports</u> Reports of required monitoring shall be submitted to the Department by July 31 and January 31 of each year. All instances of deviations from permit requirements must be clearly identified in such reports. All reports must be signed by a responsible official as defined in the Regulations.	18.5.3(c)(1)
16.	<u>Deviations</u> Deviations from permit requirements shall be reported in writing within 48 hours of deviation, including those attributable to upset conditions, the probable cause of said deviations and any corrective actions or preventive measures that were taken.	18.5.3(c)(2)
17.	<u>Severability</u> In case of legal challenge to any portion of this permit, the remainder of the permit conditions shall continue in force.	18.5.5
18.	<u>Compliance</u> The permittee shall comply with all conditions of the Regulations. Noncompliance with a permit will constitute a violation of the Act and may result in enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.	18.5.6

19.	<u>Compliance Defense</u> The permittee shall not use as a defense in an enforcement action, that maintaining compliance with permit conditions would have required halting or reducing the permitted activity.	18.5.7
20.	<u>Termination for Cause</u> This permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance or termination, or of a notification of a planned change or anticipated noncompliance will not stay any permit condition.	18.5.8
21.	<u>Property Rights</u> No property rights of any sort or any exclusive privilege are conveyed through the issuance of this permit.	18.5.9
22.	<u>Requests for Information</u> The permittee shall furnish to the Department within 30 days, or for such other reasonable time as the Department may set, 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 receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by the permit.	18.5.10
23.	<u>Fees</u> The permittee shall have paid all fees including emission fees required by the Regulations or the permit is not valid.	18.5.11
24.	<u>Economic Incentives</u> No permit revision shall be required under any approved economic incentives, marketable permit emissions trading and other similar programs or processes for changes that are provided for in the permit.	18.5.12
25.	<u>Alternative Operating Scenarios</u> With respect to any alternative operating scenarios included in this permit, the permittee shall: A. Record the change from one operating scenario to another in a log at the permitted facility. The recording of the change shall be made contemporaneously with the change, and the log shall contain the scenario under which the facility is currently operating. B. Ensure that terms and conditions of each alternative operating scenario meet all of the requirements of this permit, as well as, the Rules and Regulations.	18.5.13
26.	<u>Entry and Inspections</u> The permittee shall allow the Department or authorized representative upon presentation of credentials and other documents that may be required by law to conduct the following: A. Enter upon the permittee's premises where a source is located or emissions related	18.7.2 18.2.9(d)

	<p>activity is conducted or where records are kept pursuant to the permit conditions;</p> <p>B. Review and/or copy at reasonable times any records kept pursuant to the permit conditions;</p> <p>C. Inspect at reasonable times any facilities, equipment, practices or operations required by the permit; and</p> <p>D. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements.</p>	
27.	<p><u>Compliance Certification</u></p> <p>A compliance certification shall be submitted annually within 30 days of the anniversary of the initial issue date. The permittee shall provide a means for assuring the compliance of its air pollution sources with the emissions limitation, standards and work practices listed or referenced within this permit.</p> <p>A. The compliance certification shall include the following:</p> <ol style="list-style-type: none"> 1. The identification of each term or condition of this permit that is the basis of the certification; 2. The compliance status; 3. Whether compliance has been continuous or intermittent; 4. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with this permit and the Rules and Regulations; 5. Such other facts as the Department may require to determine the compliance status of the source. <p>B. The compliance certification shall be submitted to:</p> <p style="text-align: center;">Jefferson County Department of Health Air & Radiation Protection Division P.O. Box 2648 Birmingham, Alabama 35202-2648</p> <p style="text-align: center;">and to</p> <p style="text-align: center;">EPA Region IV Air & EPCRA Enforcement Branch 61 Forsyth Street Atlanta, GA 30365</p>	<p>18.7.1 18.7.5(c) 18.7.5(d) 18.7.5(e) 18.4.9</p>
28.	<p><u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>A. Additional applicable requirements under the Clean Air Act of 1990 (hereinafter, the "Act") become applicable to the permittee with a remaining permit term of 3 or more years. Such a reopening shall be completed not later than eighteen 18 months after promulgation of the applicable requirements. No such reopening is required if the effective date of the requirement is later than the date of which this permit is due to expire.</p>	<p>18.13.5</p>

	<p>B. Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p> <p>C. The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>D. The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	
29.	<p><u>Changes</u></p> <p>Certain changes (per Section 502 (b)(10) of the Act) can be made to this permit without a revision if no modification as defined in the Regulations would occur and the changes do not exceed the emissions allowed under this permit provided that a notice is sent to the Department 7 days in advance of the change.</p>	18.13.2
30.	<p><u>Emergency Provision</u></p> <p>A. An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emissions limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.</p> <p>B. Exceedances of emission limits during emergencies (as defined above) at a facility may be exempted from being violations provided that:</p> <ol style="list-style-type: none"> 1. The permittee can identify the cause(s) of the emergency; 2. At the time of the emergency, the permitted facility was being properly operated; 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; 4. The permittee submitted notice of the emergency to the Health Department within 2 working days of the time when emission limitations were exceeded due to the emergency. Such notice shall include those deviations attributable to upset conditions as defined in the permit, the probable cause of said deviations, and any corrective actions or preventive measures that were taken. Within 5 working days of the emergency, a written documentation of what was reported in the notice of the emergency shall be submitted to the Department; and 5. The permittee immediately documented the emergency exceedance in an "Emergency Log", which shall be maintained for 5 years in a form suitable for inspection upon request by a representative of the Department. <p>C. The Health Officer shall be the sole determiner of whether an emergency has occurred.</p> <p>D. This provision is in addition to any emergency or upset provision contained in any</p>	18.11.2

	applicable requirement.	
31.	<p><u>Nothing in this Operating Permit shall alter or affect the following:</u></p> <ul style="list-style-type: none"> A. The provisions of Section 303 of the Act (emergency orders), including the authority of the Administrator under that section; B. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance; C. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act; or D. The ability of EPA to obtain information from a source pursuant to Section 114 of the Act. 	18.10.3
32.	<p><u>Expiration</u></p> <p>A source's or permittee's right to operate shall terminate upon the expiration of this permit unless a timely complete renewal application has been submitted at least 6 months, but not more than 18 months before the date of expiration or the Department has taken final action approving the source's application for renewal by the expiration date.</p>	18.12.2(b) 18.4.3 18.5.2
33.	<p><u>Minor Permit Modifications</u></p> <p>Minor permit modification procedures may be used only for those permit modifications that:</p> <ul style="list-style-type: none"> A. Do not violate any applicable requirement; B. Do not involve significant changes to existing monitoring, reporting, or record keeping requirements in the permit; C. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis; and D. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include: <ul style="list-style-type: none"> 1. A federally enforceable emissions cap assumed to avoid classification as a modification under any provision of title I of the Act; and 2. An alternative emissions limit approved pursuant to regulations promulgated under Section 112(i)(5) of the Act; E. Are not modifications under any provision of title I of the Act; and F. Are not required by Part 18.12 of the Regulations to be processed as a significant modification. 	18.13.3

34.	<u>Availability of Permit</u> The permittee shall keep this permit under file or on display at all times at the site where the source is located and shall make the permit available for inspection by any and all persons who may request to see it.	18.2.2
35.	<u>Acceptance of Permit</u> The permittee is required to bring the operation of a source within the standards of Paragraph 18.2.8(a) of the Regulations. Commencing construction or operation of the source shall be deemed acceptance of all conditions specified. An Operating Permit with revised conditions may be issued upon receipt of a new application if the permittee demonstrates that the source can operate within the standard of Paragraph 18.2.8(a) of the Regulations under the revised conditions.	18.2.4
36.	<u>Construction Not In Accordance with Applications</u> If the source permitted herein has not been constructed in accordance with the Operating Permit application and if the changes noted are of a substantial nature in that the amount of air contaminants emitted by the source may be increased or in that the effect is unknown, then the permit shall be revoked. No further application for an Operating Permit shall be accepted until the source has been reconstructed in accordance with the permit or until the permittee has proven to the Department that the change will not cause an increase in the emission of air contaminants.	18.2.8(e)
37.	<u>Revocation</u> This Operating Permit may be revoked for any of the following reasons: A. Failure to comply with any conditions of the permit; B. Failure to establish and maintain such records, make such reports, install, use and maintain such monitoring equipment or methods; and sample such emissions in accordance with such methods at such locations, intervals and procedures as may be prescribed in accordance with Section 1.9.2 of the Regulations; C. Failure to comply with any provisions of any Department administrative order issued concerning the permitted facility. D. Failure to comply with the Regulations. E. For any other cause, after a hearing which establishes, in the judgment of the Department, that continuance of the permit is not consistent with the purpose of the Act or Regulations.	18.2.9
38.	<u>Additional Information</u> The permittee shall submit any additional information to the Department to supplement or correct an application promptly after becoming aware of the need for additional or corrected information.	18.4.7

39.	<p><u>Significant Modifications</u></p> <p>Modifications that are significant modifications under the PSD (Part 2.4) or nonattainment (Part 2.5) regulations or are modifications under the NSPS or NESHAPS regulations shall be incorporated in the Operating Permit using the requirements for sources initially applying for an Operating Permit, including those for applications, public participation, review by affected States, review by ADEM, and review by EPA, as described in Parts 18.4 and 18.14 of the Regulations.</p>	18.13.4
40.	<p><u>Schedule of Compliance</u></p> <p>A. The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</p> <p>B. The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</p>	18.7.3
41.	<p><u>Progress Reports</u></p> <p>If any air pollution source owned or operated by the permittee is not in compliance with the emissions limitations, standards and work practices listed or referenced within this permit, the permittee shall submit a progress report for that air pollution source. Except in the case of a compliance schedule existing or under negotiation on the date of issuance of this permit, the first schedule of compliance shall be submitted within 3 months after the Operating Permit issuance date or within 3 months of the permittee or Department determining that the air pollution source is not in compliance. Subsequent reports shall be submitted every sixth month following the initial report. The progress reports shall contain the following:</p> <p>A. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and/or dates when such activities, milestones or compliance were achieved; and</p> <p>B. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.</p>	18.7.4
42.	<p><u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by the Department inspectors, measures to abate the odorous emissions shall be taken upon a determination by this Department that these measures are technically and economically feasible.</p>	6.2.3
43.	<p><u>New Air Pollution Sources</u></p> <p>A new permit application shall be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.</p>	18.2.3
44.	<p><u>Prevention of Accidental Releases</u></p> <p>The permittee shall comply with the requirements of Section 112 (r) of the Act to prevent accidental releases and to minimize the consequences any such release of any substance listed pursuant to Paragraph (3) of Section 112 (r), as the same may be amended or revised, or any other extremely hazardous substance.</p>	18.2.3

45.	<p><u>Title VI Requirements (Refrigerants)</u></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances such as chlorofluorocarbons and hydrochlorofluorocarbons listed as refrigerants in 40 CFR 82, Subpart A, appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR 82, Subpart F.</p> <p>A. No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any such device except as provided in 40 CFR 82, Subpart F.</p> <p>B. The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the U.S. EPA and the Department as required.</p>	<p>40 CFR 82 18.1.1(e)(10) 18.1.1(w)(4)</p>
46.	<p><u>Asbestos</u></p> <p>Demolition and renovation activities at this facility are subject to the National Emission Standard for Asbestos, 40 CFR 61, Subpart M. To determine the applicable requirements of the Standard, the permittee must thoroughly inspect the affected part of the facility where the demolition or renovation operation will occur for the presence of asbestos, including Category I and Category II nonfriable asbestos-containing materials, prior to the commencement of the demolition or renovation operation. The permittee shall comply with all applicable sections of the Standard, including notification requirements, emission control and waste disposal procedures. The permittee shall also ensure that anyone performing asbestos-related work at the facility is trained and certified according to the Alabama Department of Environmental Management's regulations for Asbestos Contractor Certification.</p>	<p>40 CFR 61 14.2.12 14.2.12(a)(1)</p>
47.	<p><u>Emission Calculations</u></p> <p>The permittee shall make calculations for the previous year's plant wide (includes all permitted and non permitted emission sources) actual emissions of TSP, PM₁₀, PM_{2.5}, NO_x, CO, SO₂, VOC, and HAPs. The calculations shall be submitted to the Department by February 10th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.</p>	<p>18.2.3</p>
48.	<p><u>Expiration of Permits</u></p> <p>All previous permits issued by this Department shall be considered void after the issuance of this permit. The permittee shall return all void permits to this Department within 30 days after receiving this permit.</p>	<p>18.2.3</p>

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0330	001	M&D Ball Clay, A-2 High Alumina and Potter's Flint Outside Storage Silos, a Kaolex D-6 inside Storage Silo, and 4 inside Day Bins all with Bin Vent Dust Collectors

Permit Conditions for Emissions Unit No. 001

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of materials through each silo; and B. Hours of operation of each silo.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
5.	Each source permitted herein shall have a particulate matter emissions rate not to exceed that is allowed by Section 6.4.1 of the Rules and Regulations. If required by the Department, the particulate matter emissions rate shall be measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	6.4.1
6.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , and HAPs. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0330	002	Vertical Shaft Impactor (VSI) System Feed Hopper, Feed Conveyor with a 12,000 SCFM Dust Collector, Coarse Return Conveyor, VSI Crusher, Conveyor, Screen, Conveyor, Bins all connected to a 9,800 SCFM Cartridge Dust Collector, Dust Collector Dust (Pumped from the 9,800 SCFM dust collector) Receiver with a 900 SCFM Dust Collector with a 900 SCFM Dust Collector

Permit Conditions for Emissions Unit No. 002

	<u>Federally Enforceable Conditions</u>	<u>Regulations</u>
1.	The permittee shall submit by February 10 th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of materials through Vertical Shaft Impactor (VSI); and B. Hours of operation of the VSI.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
5.	The permittee shall observe all dust collector stacks at least once a day when the sources permitted herein are operating, using procedures contained in U.S. EPA Test Method 22. The observer shall record the time and date of the observation. If visible emissions are observed from any of the stacks, the permittee shall take immediate corrective actions to eliminate the problem causing the visible emissions. If the visible emissions persist for more than 24 hours, the permittee shall conduct Method 9 visible emissions observations using a certified EPA Method 9 visible emissions reader. The permittee shall shut down the sources and repair the dust collector if the opacity exceeds 20%.	18.2.3
6.	Each source permitted herein shall have a particulate matter emissions rate not to exceed that is allowed by Section 6.4.1 of the Rules and Regulations. If required by the Department, the particulate matter emissions rate shall be measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	6.4.1
7.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , and HAPs. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0330	003	Fired Brick Batt Crusher (Jaw Crusher) with a 4,600 DSCFM Baghouse, and a Secondary Crusher and a Crushed Batt Conveyor connected to a 3,600 SCFM Baghouse

Permit Conditions for Emissions Unit No. 003

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of fire bricks bat crushed; and B. Hours of operation of each process.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
4.	The permittee shall observe all baghouse stacks at least once a day when the sources permitted herein are operating, using procedures contained in U.S. EPA Test Method 22. The observer shall record the time and date of the observation. If visible emissions are observed, the permittee shall take immediate corrective actions to eliminate the problem causing the visible emissions. If the visible emissions persist for more than 24 hours, the permittee shall conduct Method 9 visible emissions observations using a certified EPA Method 9 visible emissions reader. The permittee shall shut down the sources and repair the baghouse if the opacity exceeds 20%.	18.2.3
5.	Each source permitted herein shall have a particulate matter emissions rate not to exceed that is allowed by Section 6.4.1 of the Rules and Regulations. If required by the Department, the particulate matter emissions rate shall be measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	6.4.1
6.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , and HAPs. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0330	004	Ball Mill No. 1, Ball Mill No. 2, Belt Conveyors, 2 Bucket Elevators, Pre-ground Material Storage Bins, 4 Mixers all connected to a 33,000 SCFM Baghouse

Permit Conditions for Emissions Unit No. 004

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of materials through the ball mills; B. Quantity of materials through the bucket elevators; and C. Hours of operation of each process.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
5.	The permittee shall observe all baghouse stacks at least once a day when the sources permitted herein are operating, using procedures contained in U.S. EPA Test Method 22. The observer shall record the time and date of the observation. If visible emissions are observed, the permittee shall take immediate corrective actions to eliminate the problem causing the visible emissions. If the visible emissions persist for more than 24 hours, the permittee shall conduct Method 9 visible emissions observations using a certified EPA Method 9 visible emissions reader. The permittee shall shut down the sources and repair the baghouse if the opacity exceeds 20%.	18.2.3
6.	The sources permitted herein shall have a particulate matter emissions rate not to exceed 12.39 lb/hr. If required by the Department, the particulate matter emissions rate shall be measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	18.2.3
7.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , and HAPs. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u>	<u>Emissions</u>	
<u>No.</u>	<u>Unit No.</u>	<u>Emissions Unit Description</u>
0330	011	Tunnel Dryer

Permit Conditions for Emissions Unit No. 011

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of bricks through the Dryer; B. Quantity of brick lubricant used; and C. Hours of operation of the dryer.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed that is allowed by Section 6.4.1 of the Rules and Regulations. If required by the Department, the particulate matter emissions rate shall be measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	6.4.1
6.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , NO _x , CO, SO ₂ , VOC, and other HAPs. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u> <u>No.</u>	<u>Emissions</u> <u>Unit No.</u>	<u>Emissions Unit Description</u>
0330	012	Tunnel Kiln

Permit Conditions for Emissions Unit No. 012

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of bricks through the kiln; B. Quantity of natural gas combusted; C. Quantity of fuel oil combusted; and D. Hours of operation of the kiln.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
5.	The kiln permitted herein shall have a particulate matter emissions rate not to exceed that is allowed by Section 6.4.1 of the Rules and Regulations. If required by the Department, the particulate matter emissions rate shall be determined by EPA Reference Method 5 of appendix A of 40 CFR 60.	6.4.1
6.	The source permitted herein shall be limited to emissions of less than 10 T/yr for single HAP and less than 25 T/yr for combined HAPs.	18.2.3
7.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , NO _x , SO ₂ , VOC, HCL, HF, and other HAPs. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u>	<u>Emissions</u>	
<u>No.</u>	<u>Unit No.</u>	<u>Emissions Unit Description</u>
0330	013	Besly Grinder, a Clipper Saw connected to a 6,400 SCFM Baghouse

Permit Conditions for Emissions Unit No. 013

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of materials through the grinder; and B. Hours of operation of the sources.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
5.	The sources permitted herein shall have a particulate matter emissions rate not to exceed that is allowed by Section 6.4.1 of the Rules and Regulations. If required by the Department, the particulate matter emissions rate shall be determined by EPA Reference Method 5 of appendix A of 40 CFR 60.	6.4.1
6.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , and PM _{2.5} . The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Permit No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0330	016	Green Scrap Crushing System consisting of a Green Scrap Hopper, a Vibrating Feeder, a Hazmeg Crusher, a Bucket Elevator, a Sizing Screen, and a Conveyor Belt connected to a 3,500 SCFM Baghouse

Permit Conditions for Emissions Unit No. 016

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of materials through the grinder; and B. Hours of operation of the sources.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
5.	The permittee shall observe all baghouse stacks at least once a day when the sources permitted herein are operating, using procedures contained in U.S. EPA Test Method 22. The observer shall record the time and date of the observation. If visible emissions are observed, the permittee shall take immediate corrective actions to eliminate the problem causing the visible emissions. If the visible emissions persist for more than 24 hours, the permittee shall conduct Method 9 visible emissions observations using a certified EPA Method 9 visible emissions reader. The permittee shall shut down the sources and repair the baghouse if the opacity exceeds 20%.	18.2.3
6.	The sources permitted herein shall have a particulate matter emissions rate not to exceed 1.31 lb/hr. The particulate matter emissions rate shall be determined by EPA Reference Method 5 of appendix A of 40 CFR 60.	18.2.3
7.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , and PM _{2.5} . The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

APPENDIX A: CROSS-REFERENCE TABLE: JCDH AIR POLLUTION CONTROL RULES AND REGULATIONS TO STATE IMPLEMENTATION PLAN

The citations to Alabama regulations provided below refer to the version of the regulation that has been approved by the U.S. EPA as part of Alabama's Clean Air Act state implementation plan (SIP), as identified in 40 CFR 52, Subpart B. In the event that there is a discrepancy between the information provided in the table below and the federal regulatory table identifying the Alabama SIP at 40 CFR 52, Subpart B, the federal regulatory table governs.

JCDH Citation	State Citation	Title/Subject
Chapter 1	Chapter No. 335-3-1	General Provisions
Part 1.1	Section 335-3-1-.01	Purpose
Part 1.3	Section 335-3-1-.02 ¹	Definitions
Part 1.7	Section 335-3-1-.03	Ambient Air Quality Standards
Part 1.9	Section 335-3-1-.04	Monitoring, Records, and Reporting
Part 1.10	Section 335-3-1-.05	Sampling and Test Methods
Part 1.11	Section 335-3-1-.06	Compliance Schedule
Part 1.12	Section 335-3-1-.07	Maintenance and Malfunctioning of Equipment; Reporting
Part 1.13	Section 335-3-1-.08	Prohibition of Air Pollution
Sections 3.2.1 – 3.2.4 & Part 3.4	Section 335-3-1-.09	Variances
Part 1.15	Section 335-3-1-.10	Circumvention
Part 1.16	Section 335-3-1-.11	Severability
Part 1.17	Section 335-3-1-.12	Bubble Provision
Part 1.18	Section 335-3-1-.13	Credible Evidence
Part 1.20	Section 335-3-1-.15	Emissions Inventory Reporting Requirements
Chapter 2	Chapter No. 335-3-14	Air Permits
Part 2.1	Section 335-3-14-.01	General Provisions
Part 2.2, except 2.2.4(h)	Section 335-3-14-.02	Permit Procedures
Part 2.3	Section 335-3-14-.03	Standards for Granting Permits
Part 2.4	Section 335-3-14-.04 ^{2,3}	Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration (PSD)]
Part 2.5	Section 335-3-14-.05 ⁴	Air Permits Authorizing Construction in or Near Nonattainment Areas
Chapter 4	Chapter No. 335-3-2	Air Pollution Emergency
Part 4.1	Section 335-3-2-.01	Air Pollution Emergency
Part 4.3	Section 335-3-2-.02	Episode Criteria
Part 4.4	Section 335-3-2-.03	Special Episode Criteria
Part 4.5	Section 335-3-2-.04	Emission Reduction Plans
Part 4.6	Section 335-3-2-.05	Two Contaminant Episode
Part 4.7	Section 335-3-2-.06	General Episodes
Part 4.8	Section 335-3-2-.07	Local Episodes
Part 4.9	Section 335-3-2-.08	Other Sources
Section 4.2.3	Section 335-3-2-.09	Other Authority Not Affected
Chapter 5	Chapter No. 335-3-3	Control of Open Burning and Incineration
Sections 5.1.1 – 5.1.5 ⁵	Section 335-3-3-.01	Open Burning

¹ Revisions of the definition of VOC to exclude *trans* 1-chloro-3,3,3-trifluoroprop-1-ene (Solstice™ 1233zs(E)), 2,3,3,3-tetrafluoropropene, and 2-amino-2-methyl-1-propanol (AMP) have not been approved into the SIP.

² Revisions to the following provisions have not been approved as SIP changes by EPA: the permitting applicability statement for greenhouse gases at ADEM 335-3-14-.04(1)(k) (JCDH 2.4.1(k)) and the definition of replacement unit at ADEM 335-3-14-.04(2)(bbb) (JCDH 2.4.2(bbb)).

³ As of Sept. 26, 2012 Section 335-3-14-.04 does not include Alabama's revision to adopt the PM_{2.5} SILs threshold and provisions (as promulgated in the October 20, 2010 PM_{2.5} PSD Increment-SILs-SMC Rule at 40 CFR 1.166(k)(2) and the term "particulate matter emissions" (as promulgated in the May 16, 2008 NSR PM_{2.5} Rule (as 40 CFR 51.166(b)(49)(vi)).

⁴ The following provisions are not part of the EPA-approved SIP: the portion of 335-3-14-.05(1)(k) (JCDH 2.5.1(k)) stating "excluding ethanol production facilities that produce ethanol by natural fermentation"; 335-3-14-.05(2)(c)3. (JCDH 2.5.2(c)(3)) which addresses fugitive emission increases and decreases; 335-3-14-.05(1)(h) (JCDH 2.5.1(h)) stating the actual-to-potential test for projects that only involve existing emissions units; the last sentence at 335-3-14-.05(3)(g) (JCDH 2.5.3(g)), stating "Interpollutant offsets shall be determined based on the following ratios"; and the NNSR interpollutant ratios at 335-3-14-.05(3)(g)1.-4. (JCDH 2.5.3(g)(1)-(4)).

⁵ See also Guidelines & Standard Operating Procedures for Issuance of Open Burning Authorizations at the end of Chapter 5. ADEM 335-3-3-.01(2)(b)(6) also prohibits open burning during declared air stagnation advisories and drought emergencies.

JCDH Citation	State Citation	Title/Subject
Part 5.2	Section 335-3-3-.02	Incinerators
Part 5.3 ⁶ , except 5.3.4	Section 335-3-3-.03	Incineration of Wood, Peanut, and Cotton Ginning Waste
Chapter 6	Chapter No. 335-3-4	Control of Particulate Emissions
Sections 6.1.1 & 6.1.2	Section 335-3-4-.01 ⁷	Visible Emissions
Part 6.2	Section 335-3-4-.02 ⁸	Fugitive Dust and Fugitive Emissions
Part 6.3	Section 335-3-4-.03	Fuel Burning Equipment
Part 6.4	Section 335-3-4-.04	Process Industries – General
Part 6.5 ⁹	Section 335-3-4-.05	Small Foundry Cupola
Part 6.6 ¹⁰	Section 335-3-4-.06	Cotton Gins
Part 6.7	Section 335-3-4-.07	Kraft Pulp Mills
Part 6.8	Section 335-3-4-.08	Wood Waste Boilers
Part 6.9 ¹¹	Section 335-3-4-.09	Coke Ovens
Part 6.10	Section 335-3-4-.11	Cement Plants
Part 6.12	Section 335-3-4-.12	Xylene Oxidation Process
No equivalent provision	Section 335-3-4-.14	Grain Elevators
No equivalent provision	Section 335-3-4-.15	Secondary Lead Smelters
Chapter 7	Chapter No. 335-3-5	Control of Sulfur Compound Emissions
Part 7.1	Section 335-3-5-.01	Fuel Combustions
Part 7.2 is not equivalent	Section 335-3-5-.02	Sulfuric Acid Plants
No equivalent provision	Section 335-3-5-.03	Petroleum Production
No equivalent provision	Section 335-3-5-.04	Kraft Pulp Mills
No equivalent provision	Section 335-3-5-.05	Process Industries – General
Chapter 8	Chapter No. 335-3-6	Control of Volatile Organic Compound (VOC) Emissions
Part 8.1 ¹²	Section 335-3-6-.24	Applicability
Part 8.2	Section 335-3-6-.25	VOC Water Separation
Part 8.3	Section 335-3-6-.26 ^{13,14}	Loading and Storage of VOC
Part 8.4	Section 335-3-6-.27	Fixed-Roof Petroleum Liquid Storage Vessels
Part 8.5	Section 335-3-6-.28	Bulk Gasoline Plants
Part 8.6	Section 335-3-6-.29	Gasoline Terminals
Part 8.7, except 8.7.4(b) & 8.7.5(e)	Section 335-3-6-.30	Gasoline Dispensing Facilities Stage 1
Part 8.11	Section 335-3-6-.32	Surface Coating
Part 8.12	Section 335-3-6-.33 ¹⁵	Solvent Metal Cleaning
Part 8.13	Section 335-3-6-.34	Cutback and Emulsified Asphalt
Part 8.15	Section 335-3-6-.36	Compliance Schedules
Part 8.16 ¹⁶	Section 335-3-6-.37	Test Methods and Procedures
Part 8.18	Section 335-3-6-.39	Manufacture of Synthesized Pharmaceutical Products

⁶ JCDH has no equivalent for ADEM 335-3-3-.03(5), which states "Each incinerator subject to this Rule shall be properly designed, equipped, and maintained for its maximum rated burning capacity and shall be equipped with an underfire forced air system, an over-fire air recirculation secondary construction system, and variable control damper, all of which shall be electronically controlled to insure the optimum temperature range for the complete combustion of the amount and type of material waste being charged into the incinerator. Each such incinerator shall be equipped with a temperature recorder which shall be operated continuously with the incinerator, and the temperature records shall be made available for inspection at the request of the Director."

⁷ ADEM 335-3-4-.01(1) & (2) are included in the EPA-approved SIP, however, the remaining provisions are not SIP-approved.

⁸ ADEM 335-3-4-.02(4) was removed effective July 15, 1999, however, the provision is still included in the EPA-approved SIP.

⁹ All allowable emissions rates in Table 6-3 should be construed to have 2 significant figures, consistent with ADEM 335-3-4-.05, Table 4-3.

¹⁰ All allowable emissions rates in Table 6-4 should be construed to have 1 significant figure, consistent with ADEM 335-3-4-.06, Table 4-4.

¹¹ JCDH 6.9.4 is approved to be more stringent than ADEM 335-3-4-.09(4).

¹² The definition at ADEM 335-3-6-.24(2)(d) is located at JCDH Part 1.3.

¹³ The EPA-approved SIP excludes only 11 compounds from the definition of VOC at ADEM 335-3-6-.26(1) (JCDH 8.3.1). The SIP-approved exemptions are listed in ADEM 335-3-1-.02(1)(gggg)(JCDH Part 1.3) as numbered exemptions 1-10 and 20).

¹⁴ The EPA-approved SIP requires a disposal system in conjunction with equipment required by ADEM 335-3-6-.26(2)(c)1.(i) (JCDH 8.3.2(c)(1)(i)).

¹⁵ ADEM 335-3-6-.33(5)(n) (JCDH 8.12.5(n)) is not included in the approved SIP.

¹⁶ Federally enforceable testing provisions for perchloroethylene dry cleaning systems are located at ADEM 335-3-6-.37(5) and federally enforceable testing provisions for capture efficiency are located at ADEM 335-3-6-.37(13).

JCDH Citation	State Citation	Title/Subject
Part 8.20, except 8.20.8	Section 335-3-6-.41	Leaks from Gasoline Tank Trucks and Vapor Collection Systems
Part 8.22	Section 335-3-6-.43 ¹⁷	Graphic Arts
Part 8.23	Section 335-3-6-.44	Petroleum Liquid Storage in External Floating Roof Tanks
Part 8.24	Section 335-3-6-.45	Large Petroleum Dry Cleaners
Part 8.26	Section 335-3-6-.47	Leaks from Coke by-Product Recovery Plant Equipment
Part 8.27	Section 335-3-6-.48	Emissions from Coke by-Product Recovery Plant Coke Oven Gas Bleeder
Part 8.28	Section 335-3-6-.49 ¹⁸	Manufacture of Laminated Countertops
Part 8.29	Section 335-3-6-.50	Paint Manufacture
Part 8.23 ¹⁹	Section 335-3-6-.53	List of EPA Approved and Equivalent Test Methods and Procedures for the Purpose of Determining VOC Emissions
Chapter 9	Chapter No. 335-3-7	Control of Carbon Monoxide Emissions
Part 9.1	Section 335-3-7-.01	Metals Productions
Part 9.2	Section 335-3-7-.02	Petroleum Processes
Chapter 10	Chapter No. 335-3-8	Control of Nitrogen Oxides Emissions
Part 10.1	Section 335-3-8-.01	Standards for Portland Cement Kilns
Part 10.2	Section 335-3-8-.02	Nitric Acid Manufacturing
Part 10.3	Section 335-3-8-.03	NO _x Emissions from Electric Utility Generating Units
Part 10.4	Section 335-3-8-.04	Standards for Stationary Reciprocating Internal Combustion Engines
Part 10.5	Section 335-3-8-.05 ²⁰	New Combustion Sources
Chapter 11	Chapter No. 335-3-9	Control of Emissions from Motor Vehicles
Part 11.1	Section 335-3-9-.01	Visible Emission Restriction for Motor Vehicles
Part 11.2	Section 335-3-9-.02	Ignition System and Engine Speed
Part 11.3	Section 335-3-9-.03	Crankcase Ventilation Systems
Part 11.4	Section 335-3-9-.04	Exhaust Emission Control Systems
Part 11.5	Section 335-3-9-.05	Evaporative Loss Control Systems
Part 11.6	Section 335-3-9-.06	Other Prohibited Acts
Part 11.7	Section 335-3-9-.07	Effective Date
Chapter 17	Chapter No. 335-3-15	Synthetic Minor Operating Permits
Part 17.1	Section 335-3-15-.01 ²¹	Definitions
Part 17.2, except 17.2.8(h)(7)	Section 335-3-15-.02 ²²	General Provisions
Part 17.3	Section 335-3-15-.03	Applicability
Part 17.4 ²³	Section 335-3-15-.04	Synthetic Minor Operating Permit Requirements
Part 17.5, except 17.5.2	Section 335-3-15-.05	Public Participation
Chapter 19	Chapter No. 335-3-17	Conformity of Federal Actions to State Implementation Plans
Part 19.1	Section 335-3-17.01 ²⁴	Transportation Conformity
Part 19.2	Section 335-3-17-.02	General Conformity

¹⁷ The following provisions are not included in the EPA-approved SIP: the last 4 sentences of ADEM 335-3-6-.43(1)(c) (JCDH 8.22.(c)), provision ADEM 335-3-6-.43(1)(f) (JCDH 8.22.1(f)) and all provisions of ADEM 335-3-6-.43(5) & (6) (JCDH 8.22.5 and 8.22.6).

¹⁸ Current ADEM 335-6-.49(4) & (5) (JCDH 8.28.4 and 8.28.5) are not included in the EPA-approved SIP. The SIP-approved version of ADEM 335-6-.49(4) (JCDH 8.28.4) is "Compliance with this Rule shall be demonstrated via certification by the adhesive manufacturer as to the composition of the adhesive, if supported by actual batch formulation records. Sufficient data to determine as-applied formulation is different from the as-purchased adhesive."

¹⁹ Test Methods 204, 204A-204F are not included in the APR-approved SIP.

²⁰ ADEM 335-3-8-.05 was approved into the SIP as ADEM 335-3-8-.14 but was renumbered when CAIR provisions were removed.

²¹ Only the first sentence of ADEM 335-3-15-.01(g) is approved into the SIP. JCDH does not include the unapproved language.

²² ADEM 335-3-15-.02(10) is not included in the EPA-approved SIP. JCDH does not include the unapproved provision.

²³ JCDH Part 17.4 does not include the federally enforceable provisions of ADEM 335-3-15-.04(1)(g) and (3)(c).

²⁴ The reference to July 1, 2012 in ADEM 335-3-14-.01 and JCDH Part 19.1.1 has not been approved into the SIP.