

Draft

AIR PERMIT

Permittee: Sherman Industries LLC, Birmingham RMC Plant
Location: 3240 Fayette Avenue
Birmingham, Al 35208

Permit No: 4-07-2703-001-01

Issuance Date:

Nature of Business: Ready Mixed Concrete Batch Plant

Air Permit Nos.	Emissions Unit Description
4-07-2703-001-01	Ready Mix Concrete Batch Plant consisting of a Weigh Hopper, a Cement and Supplements (fly ash) storage Silo with a 8,000 CFM baghouse, Mixer Truck Loading Station, and Aggregate Bins

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, 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, and any applicable local, state or federal Court Order. This Permit is subject to the accuracy of all information submitted relating to the permit application and to the conditions appended hereto, all of which are considered a part of this Permit. It is valid from the date of issuance 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.

Jonathan Stanton, Director
Environmental Health Services

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

General Permit Conditions

In addition to compliance with 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:

	Federally Enforceable Conditions	Regulations
1.	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 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") 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 in a format approved by this Department concerning air contaminant emission reductions to be taken during declared episodes.	2.1.3
4.	<u>Bypass Prohibited</u> The permittee shall not bypass, without prior approval from this Department, the air pollution control device for the source permitted herein. The permittee shall not shut down this air pollution control device unless such shutdown is accompanied by the corresponding shutdown of the respective source which the device is intended to control.	2.1.3
5.	<u>Transfer</u> This Permit is not transferable. Upon sale or legal transfer of the source permitted herein, the new owner or operator must apply for a new Permit within 30 days.	2.1.4
6.	<u>Revocation</u> This Permit may be revoked, as allowed under Section 17.2.8 of the Rules and Regulations, at any time.	2.2.4
7.	<u>Accessibility</u> The permittee shall make all source equipment, control devices, and emissions monitoring equipment readily accessible to personnel of this Department during all periods of inspections.	1.8

8.	<p><u>Permit</u></p> <p>The permittee shall receive a Permit prior to construction of any new source or prior to any modification, replacement, or alteration of an existing source that might cause or allow an increase or decrease of, or an issuance of, air contaminants.</p>	2.1.1(a)
9.	<p><u>Display of Air Permit</u></p> <p>The permittee shall keep this permit under file or on display at all times at the site and shall make it readily available for inspection by any and all persons who may request</p>	2.1.1(d)
10.	<p><u>Cancellation of Applications</u></p> <p>This Permit authorizing construction or modification shall expire and the application shall be canceled two years from the date of issuance of the permit if the construction or modification has not begun.</p>	2.2.1(b)
11.	<p><u>Notification of Completion</u></p> <p>Upon the completion of construction of a new source, or modification, or replacement, or alteration of an existing source or control device, for which this Permit was issued, the permittee shall submit written notification of the completion to this Department within 10 days of the said completion.</p>	2.1.3
12.	<p><u>Maintaining Records</u></p> <p>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, and records on monitoring 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.</p>	2.1.3
13.	<p><u>Shutdown of Controls</u></p> <p>A. 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.</p> <p>B. In the event there is a breakdown of air pollution control or process equipment in such a manner as to cause increased emissions of air contaminants for a period greater than 30 minutes, the person responsible for such equipment shall notify the Department within 1 hour and provide a statement giving all pertinent facts, including the duration of the breakdown. The Director of the Environmental Health Services shall be notified when the breakdown has been corrected.</p>	1.12.1 1.12.2

14.	<p><u>Malfunction Report</u></p> <p>The permittee shall report in accordance with Sections 1.12.1 and 1.12.2 of the Rules and Regulations the maintenance or malfunction of equipment that results in excess emissions.</p>	1.12.1 1.12.2
15.	<p><u>Reporting</u></p> <p>The permittee shall submit any additional records, or conduct any additional monitoring, as may be required by the Department pursuant to Part 1.9 of the Rules and Regulations.</p>	1.9.2
16.	<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 Part 60 of Title 40 of the current Code of Federal Regulations.</p>	1.9.1
17.	<p><u>Provisions for Testing</u></p> <p>The permittee shall provide each point of emissions with sampling ports, ladders, stationary platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by 40 CFR 60.</p>	1.10.3
18.	<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 source emissions test. This notice shall state the source to be tested, the proposed time of the test, and the testing date(s).</p>	1.9.1
19.	<p><u>Test Results</u></p> <p>The permittee shall submit the results of all 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>	1.10.4
20.	<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> <ul style="list-style-type: none"> 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; B. Application of asphalt, oil, water, or suitable chemicals on dirt roads, material stock piles, 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

	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
	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.	6.2.3
21.	<u>Maintenance of Control Equipment</u> A. The permittee shall equip each 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. 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 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. C. The permittee shall conduct routine inspections on all 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 5 years.	2.1.3
22.	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 weigh batcher; and C. Hours of operation of the Plant.	
23.	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)
24.	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)
25.	The Health Officer may approve exceptions to Section 6.1.1 for specific sources which hold permits under Chapter 2 of the Jefferson County Board of Health Air Pollution Control Rules Regulations; provided however, such exceptions may be made for start-up, shut down, load change, and rate change or other short and intermittent periods of time upon terms approved by the Health Officer and made a part of this such permit.	6.1.1(c)
26.	The Health Officer may also approve exceptions to Section 6.1.1 in accordance with the provisions included in Paragraphs 6.1.1(d)(1) through 6.1.1(d)(5).	6.1.1(d)

22.	The sources permitted herein shall have a particulate matter emissions rate from the facility not to exceed that allowed in Section 6.4.1 of the Jefferson County Board of Health Air Pollution Control 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
23.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , and PM _{2.5} , from these sources at this facility and submit them to the Department by February 10 th each year for review.	2.1.3