

AIR PERMIT

Permittee: American Steel Processing Co. Mill Scrap Yard

Location: 1327 Erie Street
Birmingham, Alabama 35224

Date of Issuance: DRAFT

Nature of Business: Scrap Iron Recovering

| Air Permit Number | Description of Source |
|-------------------|--|
| 4-07-2692-001-01 | Scrap Screening, and Iron Recovery Operation consisting of 20 T/hr Rotary Screen, LPG Fired 1.5 MMBtu/hr Direct Fired Heater, Portable Double Deck Vibrating Screen, 74.3 HP Kubota diesel, 60 HP Genset diesel, and 60 HP Deutz diesel engines (The diesel engines are subject to Subpart IIII of 40 CFR 60.) |

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

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 the 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 ensure 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 contaminant emission reductions to be taken during declared episodes. | 17.2.8(b) |
| 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 2.2.4 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. | 2.1.3 |
| 8. | <u>Permit</u> 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. | 2.1.1(a) |

| | | |
|-----|---|------------------|
| 9. | <p><u>Display of Air Permit</u></p> <p>The permittee shall keep the Air Permit under file or on display at all times at the site and shall make such a permit readily available for inspection by any or all persons who may request to see it.</p> | 2.1.1(d) |
| 10. | <p><u>Permit Expiration</u></p> <p>This Permit shall automatically expire and its permit application shall be cancelled if the construction of the new source permitted herein or the modification, replacement, or alteration to an existing source or control device permitted herein is not begun within 24 months of the date of issuance of this Permit.</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 and/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. 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.</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 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 result 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</p> | 1.9.1 |

| | | |
|-----|---|--|
| | Code of Federal Regulations. | |
| 17. | <p><u>Provisions for Testing</u></p> <p>The permittee shall provide each point of emission with sampling ports, ladders, stationary platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by the most current version of 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> <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, and other surfaces which create airborne dust problems; and</p> <p>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.</p> <p>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</p> <p>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.</p> | <p>6.2.1</p> <p>6.2.2</p> <p>6.2.3</p> |
| 21. | <p><u>Maintenance of Control Equipment</u></p> <p>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</p> | 2.1.3 |

| | | |
|-----|--|----------------------|
| | <p>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 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 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.</p> | |
| 23. | <p>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:</p> <p>A. Quantity of slag screened by each screen; B. Quantity of diesel fuel used; and C. Hours of operation of the facility.</p> | 2.1.3 |
| | Rotary Screen, Double Deck Vibrating Screen, and Conveyor Transfer points | |
| 24. | <p>The permittee shall not discharge into the atmosphere from each screen, particulate of an opacity greater than that designated as twenty percent (20%) opacity, 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.</p> | 6.1.1(a) |
| 25. | <p>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.</p> | 6.1.1(b) |
| 26. | <p>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.</p> | 6.1.1(c) |
| 27. | <p>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).</p> | 6.1.1(d) |
| 28. | <p>The permittee shall not cause or permit the discharge of visible fugitive dust emissions beyond the lot line of the property on which the emissions originate.</p> | 6.2.2 |
| | 74.3 HP Kubota, a 60 HP Genset, and a 60 HP Deutz diesel Engines (CI RICE) | |
| 29. | <p>Each engine permitted herein shall be subject to the same opacity standards as in Condition Nos. 24 and 25.</p> | 6.1.1(a) 6.1.1(b) |
| 30. | <p>Exhaust opacity from each engine must not exceed the following additional opacity limits:</p> <p>A. 20% opacity during the acceleration mode; B. 15% opacity during the lugging mode; and C. 50% opacity during the peaks in either the acceleration or lugging modes.</p> | 40 CFR 89.113(a) |

| | | |
|-----|---|---|
| 31. | Opacity levels are to be measured and calculated as set forth in 40 CFR Part 86, subpart I. | 40 CFR 89.113(b) |
| 32. | Each diesel engine permitted herein must be in compliance with the following applicable emissions standards in 40 CFR 89.112(a) Tier 3, Table 1 for pollutants for the model year and maximum engine power: A. NMHC+NO _x = 4.7 g/kW-hr B. CO = 5.0 g/kW-hr C. PM = 0.40 g/kW-hr | 40 CFR 60.4204(b) 40 CFR 60.4201(a) 40 CFR 89.112(a) |
| 33. | All diesel Internal Combustion Engines (CI ICE) permitted herein shall not be required to comply with the requirements of subpart ZZZZ of 40 CFR 63 as long as they meet the requirements of 40 CFR 60. | 40 CFR 63.6590(c) |
| 34. | The sulfur content of the diesel fuel burned in each generator shall not exceed 15 ppm per gallon of oil or 0.0015% sulfur by weight as required in 40 CFR 80.510(b). | 40 CFR 60.4207(b) |
| 35. | The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , NO _x , CO, SO ₂ , and VOC. The calculations shall be submitted to the Department by February 10 th each year. | 2.1.3 |