

FOR DISCUSSION PURPOSES ONLY

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**PROPOSED RULE 1460**

**CONTROL OF PARTICULATE EMISSIONS  
FROM METAL RECYCLING AND  
SHREDDING OPERATIONS**

[*RULE INDEX TO BE INCLUDED AFTER ADOPTION*]

(a) Purpose

The purpose of this rule is to minimize Fugitive Dust from Metal Recycling Facilities and Metal Shredding Facilities.

(b) Applicability

This rule shall apply to an owner or operator of a Metal Recycling Facility or Metal Shredding Facility.

(c) Definitions

(1) **BUILDING ENCLOSURE** means a permanent building or physical structure, or a portion of a building, with a floor, walls, and a roof to prevent exposure to the elements, (e.g., precipitation, wind, run-off), where opening are only to allow access for people, vehicles, equipment, or workpieces.

(2) **EXISTING METAL RECYCLING FACILITY OR METAL SHREDDING FACILITY** means any Metal Recycling Facility or Metal Shredding Facility in operation on or before [*Date of Adoption*].

(3) **FERROUS METAL** means any iron or steel scrap that has an iron content sufficient for magnetic separation.

(4) **FUGITIVE DUST** means any solid particulate matter that becomes airborne, other than that emitted from an exhaust stack, directly or indirectly as a result of the activities of any person.

(5) **MATERIAL PROCESSING AREA** means the area where Scrap Metal processing activities such as truck unloading, container loading, sorting, shearing, torch cutting, baling, shredding, or storage take place.

(6) **METAL RECYCLING FACILITY** means any facility used for the receipt, storage, segregation, or separation of Scrap Metal and mixed materials for reuse or resale, whose primary business is the purchasing; processing by shredding, shearing, baling, sorting, and torching; trading, bartering or otherwise receiving secondhand or castoff metal material which includes

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Ferrous Metals, Non-Ferrous Metals, aluminum scrap, auto bodies, major appliances, and other metals.

- (7) METAL SHREDDER means a piece of equipment using machinery driven by rotors that spin hammers that cuts and crushes metallic items into smaller pieces.
- (8) METAL SHREDDER RESIDUE means the material that remains after shredding Scrap Metal, after Ferrous Metals and Non-Ferrous Metals have been separated and removed, and before chemical stabilization/treatment occurs.
- (9) METAL SHREDDING FACILITY means any facility that accepts Scrap Metal, and mechanically rends that Scrap Metal into smaller pieces and separates the Ferrous Metals, Non-Ferrous Metals, and other materials for the purpose of recycling.
- (10) NEW METAL RECYCLING FACILITY OR METAL SHREDDING FACILITY means any Metal Recycling Facility or Metal Shredding Facility that is not an Existing Metal Recycling Facility or Metal Shredding Facility.
- (11) NON – FERROUS METAL means any Scrap Metal that has value and is derived from metals other than iron and its alloys in steel, such as aluminum, copper, brass, bronze, lead, zinc, and other metals, and does not adhere to a magnet.
- (12) PARTICULATE MATTER means any material, except uncombined water, which exists in a finely divided form as a liquid or solid at standard conditions.
- (13) PRESCRIBED CLEANING METHOD means a process to remove or collect debris using a wet mop, damp cloth, wet wash, low-pressure spray nozzle, wet vacuum, dry vacuum with dust suppression, or a combination of the above methods that does not result in the generation of Fugitive Dust emissions.
- (14) SENSITIVE RECEPTOR means a residence including private homes, condominiums, apartments, and living quarters, schools, preschools, daycare centers and health facilities such as hospitals or retirement and nursing homes. A sensitive receptor includes long term care hospitals, hospices, prisons, and dormitories or similar live-in housing. School or school grounds means any public or private school, including juvenile detention facilities and schools serving as the students' place of residence

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(e.g., boarding schools), used for purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in private homes. School or school grounds includes any building or structure, playground, athletic field, or other areas of school property, but does not include unimproved school property.

- (15) **SCRAP METAL** means any metal or items comprising of multiple materials including metal, that have been discarded or removed from the use for which it was produced or manufactured for and is intended for reprocessing.
- (16) **SOIL** means dirt, sand, gravel, clay, and aggregate material less than two inches in length or diameter, and other organic or inorganic particulate matter remaining from the metal recycling and metal shredding process.
- (17) **THROUGHPUT** means the weight of metal, in tons, collected at a Metal Recycling Facility or Metal Shredding Facility.
- (18) **WASTE MATERIAL** means material generated from Metal Recycling Facility or Metal Shredding Facility activities that is not intended for resale and includes, but is not limited to, plastics, vinyl, sponge, foam, leather, textiles, Soil, rubber, and glass.

### (d) Registration Requirements

- (1) On or before January 1, 2023, the owner or operator of an Existing Metal Recycling Facility or Metal Shredding Facility shall register with the South Coast AQMD by submitting the following information in a format approved by the Executive Officer:
  - (A) Facility name;
  - (B) Facility location address and mailing address;
  - (C) Facility legal owner(s), contact person, title, telephone number, and mailing address;
  - (D) Number of employees at the facility;
  - (E) Hours of operation;
  - (F) Whether a Sensitive Receptor is within 100 meters (328 feet) of facility boundary;
  - (G) Identification (ID) and/or permit numbers issued by either the California Integrated Waste Management Board or the Local Enforcement Agency;

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- (H) Facility ID issued by the South Coast AQMD, if applicable;
  - (I) Any equipment that requires a South Coast AQMD Permit to Operate, if applicable;
  - (J) Torch cutting equipment; and
  - (K) Facility Scrap Metal Throughput in tons per year for the preceding calendar year based on the following ranges:
    - (i) Less than 1,000 tons;
    - (ii) Greater than or equal to 1,000 tons and less than 25,000 tons;
    - (iii) Greater than or equal to 25,000 tons and less than 50,000 tons; or
    - (iv) Greater than or equal to 50,000 tons.
- (2) After January 1, 2023, the owner or operator of a New Metal Recycling Facility or Metal Shredding Facility shall register with the South Coast AQMD by submitting the information in subparagraphs (d)(1)(A) through (d)(1)(K) prior to the start of metal recycling or metal shredding operations.
- (3) No later than January 1, 2024, and every year thereafter, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall submit the information required by paragraph (d)(1) if there are changes to any of the following information included in a prior registration:
- (A) Facility location address and mailing address;
  - (B) Facility legal owner(s), contact person, title, telephone number, and mailing address;
  - (C) Facility Scrap Metal Throughput range;
  - (D) Installation of additional torch cutting equipment; or
  - (E) Whether an additional Sensitive Receptor(s) is located within 100 meters (328 feet) of facility boundary.
- (e) Housekeeping Requirements
- (1) Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall use a Prescribed Cleaning Method to clean the following areas daily:
- (A) Traffic areas used by vehicles throughout the facility including, but not limited to, internal travel areas, the entrance, exit, and truck scales; and
  - (B) Material Processing Areas.

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- (2) Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall store all materials collected from an air pollution control device, or materials collected from the housekeeping requirements pursuant to paragraph (e)(1) in covered containers. The container shall remain covered except when being filled or emptied.
- (f) Best Management Practices Requirements
- (1) Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall apply water at sufficient quantities and frequencies to minimize Fugitive Dust emissions from:
    - (A) Unloading Scrap Metal from vehicles or containers;
    - (B) Handling Scrap Metal for transportation throughout the facility; and
    - (C) Processing Scrap Metal by activities including, but not limited to, sorting, shearing, baling, or shredding.
  - (2) Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall apply water daily at sufficient quantities and frequencies to minimize Fugitive Dust emissions from Scrap Metal storage piles.
  - (3) Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall ensure vehicles travel at a speed to minimize Fugitive Dust emissions.
  - (4) Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility within 100 meters (328 feet) from a Sensitive Receptor shall cease Scrap Metal unloading and loading activities, sorting, shearing, baling, torch cutting, and shredding activities that are not conducted within a Building Enclosure if the instantaneous wind speed exceeds 25 mph.
  - (5) Beginning January 1, 2025, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall ensure Material Processing Areas are paved.
  - (6) Beginning July 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall install and utilize the following at each vehicle egress from the site to a paved public road:
    - (A) A wheel shaker or wheel spreading device consisting of raised dividers (rails, pipe, or grates) at least 24 feet long and 10 feet;

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- (B) A wheel washing system that is installed, operated, and maintained in accordance with the manufacturer's specifications; or
  - (C) Any other control measures to ensure visible track out does not exceed 25 feet or more in cumulative length from the facility.
- (7) Beginning July 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall ensure Waste Material is:
  - (A) Stored in a container that shall remain covered except when being filled or emptied; or
  - (B) Treated with sufficient quantities of water to minimize Fugitive Dust emissions.
- (8) Beginning July 1, 2023, the owner or operator of a Metal Shredding Facility shall ensure Metal Shredder Residue is stored in an enclosure with at least three walls that extend at least two feet above the height of the Metal Shredder Residue.
- (g) Signage Requirements
  - (1) Beginning July 1, 2023, the owner or operator of an Existing Metal Recycling Facility or Metal Shredding Facility shall install and maintain signage. Unless otherwise approved in writing by the Executive Officer, signage shall:
    - (A) Be installed within 50 feet of all entrances to the facility that are visible to the public, and in a location on each side of the facility that is visible to the public;
    - (B) Be located between 6 and 8 feet above grade from the bottom of the sign;
    - (C) Display lettering at least 4 inches tall with text contrasting with the sign background; and
    - (D) Display the following information in English and Spanish:
      - (i) Local or toll-free phone number for the site contact that is accessible 24 hours a day; and
      - (ii) Notification statement:  
"TO REPORT AIR QUALITY ISSUES SUCH AS ODORS, DUST, OR SMOKE FROM THIS FACILITY, PLEASE CALL [FACILITY CONTACT AND PHONE NUMBER] OR THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AT 1-800-CUT-SMOG®".

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- (2) The owner or operator of a New Metal Recycling Facility or Metal Shredding Facility shall comply with the signage provisions pursuant to paragraph (g)(1), prior to the start of metal recycling or metal shredding operations.
- (h) Prohibitions  
Beginning January 1, 2023, an owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall not install or construct a Metal Shredder unless the equipment is located for operation within a Building Enclosure.
- (i) Recordkeeping  
Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall keep and maintain the following records on-site for three years and shall make them available to the Executive Officer upon request:
- (1) Records of Throughput for each calendar month that shall be completed no later than the 15<sup>th</sup> of the subsequent calendar month;
  - (2) Daily records of housekeeping for all required activities that shall be completed by the end of each business day; and
  - (3) Complaints received by the facility, including the name of complainant and contact information, date and time, and action taken to mitigate the source of the complaint.
- (j) Fees
- (1) The owner or operator of a Metal Recycling Facility or Metal Shredding Facility subject to the registration requirements pursuant to paragraphs (d)(1) and (2) shall be subject to a Plan Filing Fee pursuant to Rule 306 – Plan Fees (Rule 306) at the time of registration.
  - (2) The owner or operator of a Metal Recycling Facility or Metal Shredding Facility that updates registration information pursuant to paragraph (d)(3) shall be subject to a Plan Filing Fee pursuant to Rule 306.
- (k) Exemptions  
The provisions of this rule shall not apply to:
- (1) Auto Dismantlers that are engaged in the buying, selling, or dealing in vehicles, including nonrepairable vehicles, for the purpose of dismantling the vehicles, buying, or selling the integral parts and component materials thereof, in whole or in part, or dealing in used motor vehicle parts.

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- (2) Metal melting facilities or lead processing facilities that are subject to the following South Coast AQMD rules:
  - (A) Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations;
  - (B) Rule 1407.1 – Control of Toxic Air Contaminant Emissions from Chromium Alloy Melting Operations;
  - (C) Rule 1420 – Emissions Standard for Lead;
  - (D) Rule 1420.1 – Emission Standards for Lead and Other Toxic Air Contaminants from Large Lead-Acid Battery Recycling Facilities;  
or
  - (D) Rule 1420.2 – Emission Standards for Lead from Metal Melting Facilities.
- (3) Recycling Centers where the primary business is to accept and pay for or provide the refund value for empty beverage containers intended to be recycled from consumers; and
- (4) Material Recovery Facilities where solid waste or recyclable materials are sorted or separated, by hand or by use of machinery, into recyclable materials and residual waste, for the purposes of recycling or composting, and offsite disposal of residual waste.