



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

AUTHORITY TO CONSTRUCT

B012529

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: NOVEMBER 2026

OWNER OF OPERATOR (Co.#3160)

Iron Age Mine, LLC
755 Grand Blvd. Suite 105B #316
Miramar Beach, FL 32550

EQUIPMENT LOCATION (Fac.#4633)

Iron Age Mine
3 miles S of Hwy 62 on Iron Age Road
Twentynine Palms, CA 92278

Description:

CRUSHING AND MAGNETIC SEPARATION PROCESS consisting of: Stationary crushing and screening system with an integrally attached magnetic separator system, with a maximum process rate of 300 ton per hour. This unit is used to process magnetite iron ore. Equipment will be powered by a Diesel Fired GenSet operating with valid District Permit B015433. This equipment can further be described as and includes the following: Hartl Crushtek, Year of Manufacturer 2005, Model No. SS05 12 X 5, Serial No. 43-405. Eriez magnetic separator, Year of Manufacturer 1970 (2010 rebuilt), Model 36x96K1, Style 870, Serial No. 58600-8, including a horizontal drum turning ~77 rpm.

EQUIPMENT

Capacity	Equipment Description
75	Screener Power Screen, Chieftan, 1400T, Serial# PID00066T74D 30012
15	Conveyor under crusher
10	Conveyor
7.5	Eriez Magnetic drum separator
5	Conveyor
5	Magnetic separator
10	Conveyor

CONDITIONS:

Fee Schedule: 1 (b)

Rating: 127.5 bhp

SIC: 1499

SCC: 30510598

Location/UTM(Km):
624E/3769N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

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By: **COPY**
Eldon Heaston
Air Pollution Control Officer

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. The owner/operator shall limit the annual production, through this permitted process (sum of all products) to 720,000 tons per year; 2400 hours per year at the not to exceed process rate of 300 tons per hour.
[District Rule 1302]

3. The owner/operator shall comply with all applicable Rules and Regulations of the District. Applicable rules include, but are not necessarily limited to District Rules 401, 402, and 403.
[District Rule 204]

4. Roadways, work areas, stockpiles, and materials being processed shall be kept wetted and/or have sufficient naturally occurring moisture to control fugitive dust. Equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance.
[District Rule 204]

5. A facility log shall be maintained on-site for at least two (2) years and made available to District personnel upon request. This log shall contain, at a minimum:
 - a) The tons of product produced each month (monthly throughput),
 - b) Annual throughput (in tons),
 - c) Daily (Not to exceed 11-hours), Monthly, and Yearly operating hours,
 - d) Maintenance and malfunction records, and
 - e) Results of initial performance test.
[District Rules 204 & 1302]

6. Visible emissions shall not exceed 10% opacity during any one hour (ten 6-minute averages) from each crusher, screen, conveyor belt, transfer point, and storage bin, as defined in 40 CFR Part 60, Subpart LL. The opacity standards shall apply at all times except during periods of startup, shutdown, and malfunction.
[40 CFR Part 60, Subpart LL]

7. The owner/operator shall conduct an initial performance test using USEPA Method 9 (or equivalent upon approval by the Administrator) for each fugitive emission point identified in condition 8. This test shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated but no later than 180 days after initial startup of the facility.
[40 CFR Part 60 Subpart LL]

8. Per 40 CFR 60 Part LL "process" fugitive emissions shall not exceed 10% opacity and "fugitive" emissions shall not exceed 20% when aggregated more than three (3) minutes in any one (1) hour, excluding uncombined water vapor.
[40 CFR Part 60 Subpart LL]

9. The owner/operator shall conduct all required compliance (initial and routine) tests in accordance with a District-approved test plan. Thirty (30) days prior to the compliance/certification tests the owner/operator shall provide a written test plan for USEPA, Region IX and District review and approval. Written notice of the compliance/certification test shall be provided to USEPA, Region IX and the District thirty (30) days prior to the tests so that an observer may be present. A written report with the results of such compliance/certification tests shall be submitted to USEPA Region IX and the District within thirty (30) days after testing.
[District Rules 204]

10. The owner/operator shall submit the following notifications to USEPA Region IX and the District;
 - a) A notification of the date construction (or reconstruction as defined under 60.15) of an affected facility is commenced postmarked no later than 30 days after such date.
 - b) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

c) A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.

[40 CFR 60 Subpart A-General Provisions]

11. Total emissions of Federal Hazardous Air Pollutants or HAP (as listed in Section 112(b) of the Federal Clean Air Act, see <https://www.epa.gov/haps/initial-list-hazardous-air-pollutants-modifications>) from this facility shall not exceed 10 tons per year for any single HAP and 25 tons per year for any combination of HAPs, calculated on a rolling twelve-month basis.

[District Rules 204 & 1302]

12. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 60, Subpart LL Standards of Performance for Metallic Mineral Processing Plants and Subpart A-General Provisions. In the event of conflict between Permit conditions and the requirements of 40 CFR Part 60, Subpart LL and Subpart A, the more stringent requirements shall govern.

[District Rule 204]

13. Notwithstanding the visible limitations of condition 6, the owner/operator shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

- a) As dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
- b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subsection (a) of District Rule 401.

[District Rule 401]

14. The owner/operator must perform monthly inspections of all wet suppression systems to verify that high pressure water, at a minimum pressure of 150 psig at the manifold, is properly flowing through all discharge spray nozzles. The owner/operator must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if they find that water is not flowing properly, or, is not flowing at sufficient operating pressures, during inspections. The owner/operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the facility log.

[District Rule 1303 - BACT, 40 CFR 60.674(b)]

15. A person shall not cause or allow the emissions of fugitive dust from any transport, handling, construction or storage activity so that the presence of such dust remains visible in the atmosphere beyond the property line of the emission source.

[District Rule 403]

16. A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

[District Rule 402]

17. Facility shall only be powered by line power and/or a Genset that has a valid District Permit.

[District Rule 204]

18. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b); H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]