

DOCKETED

Docket Number:	86-AFC-01C
Project Title:	Compliance - Application for Certification for the (ACE) Argus Cogeneration Expansion AFC
TN #:	220955
Document Title:	Mojave Desert Air Quality Management District - Authority to Construct
Description:	Attachment 5 - 2017 Authority to Construct
Filer:	Mineka Foggie
Organization:	ACE Cogeneration Company
Submitter Role:	Applicant
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Attachment 5 - 2017 Authority to Construct



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

B012765

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: DECEMBER 2017

OWNER OR OPERATOR (Co. #500)

ACE Cogeneration Company
12801 S Mariposa Street
Trona, CA 93562

EQUIPMENT LOCATION (Fac. #1051)

ACE Cogeneration Company
12801 S Mariposa Street
Trona, CA 93562

Description:

DIESEL IC ENGINE, GENERATOR consisting of: A certified Tier 4i diesel engine, EPA Family EJDXL06.8210, Engine Code 4045HFG93A, EPA Certificate # EJDXL06.8210-020, CARB Executive Order EO# U-R-004-0487, 2014 model year with factory installed emission control devices/systems: Electronic/Electric EGR - Cooled, Non-standard Non-After Treatment Device installed, Electronic Control, Smoke Puff Limiter, After Treatment Devices: PTOX-DFP-Active, Diesel Oxidation Catalyst installed.

One John Deere, Diesel fired internal combustion engine Model No. 4045HFG93A and Serial No. PE4045R080158, After Cooled, Diesel Particulate Filter, Selective Catalytic Reduction, Turbo Charged, producing 168 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 5 gal/hr. This equipment powers a John Deere Generator Model No. DB-1381J3 and Serial No. V021452, rated at 125KVA.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.075	gm/bhp-hr
GHG	286.050	gm/bhp-hr
NOx	2.312	gm/bhp-hr
PM10	0.007	gm/bhp-hr
PM2.5	0.007	gm/bhp-hr
SOx	0.003	gm/bhp-hr
VOC	0.0001	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (b)

Rating: 168 bhp

SIC: 4911

SCC: 20100102

Location/Coordinates:
+35.76538, -117.38382

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.

ACE Cogeneration Company
12801 S Mariposa Street
Trona, CA 93562

By: **COPY**

Brad Poiriez

Air Pollution Control Officer

1. This certified stationary compression-ignited internal combustion engine and its associated emission control systems shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 60.4211(a)]

2. This engine shall not be operated unless all of the following emission control systems are properly functioning:

- a. Diesel Oxidation Catalyst
- b. Electronic Control Module
- c. Exhaust Gas Recirculation System

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician. [40 CFR 60.4211, MDAQMD Rule 1302]

3. This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:

- a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
- b. A cetane index or aromatic content, as follows:
 - 1. A minimum cetane index of 40; or,
 - 2. A maximum aromatic content of 35 volume percent.

[17 CCR 93115.5(a), 40 CFR 80.510, and 40 CFR 60.4207(b)]

Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. The owner/operator shall maintain an operations log for this engine current and on-site (or at a central location) for a minimum of three (3) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the following information:

- a. Date of each maintenance action or repair;
- b. Description of each maintenance action or repair;
- c. Fuel sulfur concentration as required by condition #3 (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log);
- d. Results of any source testing conducted on the engine; and,
- e. Calendar year operation in terms of total hours. [17 CCR 93115.10(a)(3)(D)]

[17 CCR 93115.10(f), MDAQMD Rule 1302]

5. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern. [District Rule 1302]

6. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. [17 CCR 93115.10(d)(1)]

7. 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, and 40 CFR 51, Subpart A]