

South Coast Air Quality Management District

Statement of Basis

Proposed Title V Renewal Permit

Facility Name:	EME, Inc.
Facility ID:	45938
SIC Code:	3471
Equipment Location:	431 East Oaks Street Compton, CA 90221-1044
Application #(s):	547289
Application Submittal Date(s):	2/12/2013
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1. Introduction and Scope of Permit

Title V is a national operating permit program for air pollution sources. Facilities subject to Title V must obtain a Title V permit and comply with specific Title V procedures to modify the permit. This permit replaces the facility's other existing permits. Title V does not necessarily include any new requirements for reducing emissions. It does, however, include new permitting, noticing, recordkeeping, and reporting requirements.

Pursuant to Title V of the federal Clean Air Act and AQMD Rule 3004(f), a Title V permit shall expire five years from the date of issuance unless such permit has been renewed. Accordingly, each facility is required to submit a Title V renewal application and requested the AQMD to renew their Title V permit. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to the facility.

The AQMD implements Title V through Regulation XXX – Title V Permits, adopted by the AQMD Governing Board in order to comply with EPA's requirement that local air permitting authorities develop a Title V program. Regulation XXX was developed with the participation of the public and affected facilities through a series of public workshops, working group meetings, public hearings and other meetings.

The Title V major source threshold for a particular pollutant depends on the attainment status of the pollutant. NO₂, SO₂, CO, and lead are in attainment with federal standards. The status for PM-10 is serious nonattainment. The status for ozone is currently extreme nonattainment.

A Title V renewal permit is proposed to be issued to cover the operations of E.M.E. Inc/Electro Machine & Engineering located at 431 East Oaks Street, Compton, CA 90221-1044. This facility is subject to Title V requirements because it is a major source.

2. Facility Description

This is an existing Title V facility that is engaged in the business of aerospace coating. The facility operates spray booths, ovens, an aluminum etch line, a passivation line, a sulfuric acid anodizing line, a chromic acid anodizing line, abrasive blasting equipment, and other supporting equipment. Particulate matter (PM) emissions from the abrasive blasting operations are controlled by air pollution control equipment baghouses, chromium emissions from an anodizing tank is controlled by an air pollution control equipment consisting of a mesh pad and HEPA filters, and PM emissions from an etch tank is controlled by an air pollution control equipment scrubber.

3. Construction and Permitting History

The facility has been in constant operation with a Title V permit at this location since 2003. A Title V permit renewal was issued to the facility on July 28, 2008.

4. Regulatory Applicability Determinations

Applicable legal requirements for which this facility is required to comply are required to be identified in the Title V permit (for example, Section D, E, and H of the proposed Title V permit). Applicability determinations (i.e., determinations made by the District with respect to what legal requirements apply to a specific piece of equipment, process, or operation) can be found in the Engineering Evaluations. This facility is not subject to any NSPS requirements and is not a major source for Hazardous Air Pollutants.

5. Monitoring and Operational Requirements

Applicable monitoring and operational requirements for which the facility is required to comply are identified in the Title V permit (for example, Section D, F, and J and Appendix B of the proposed Title V permit). Discussion of any applicable operational requirements can be found in the Engineering Evaluations. All periodic monitoring requirements were developed using strict adherence to the following applicable guidance documents: SCAQMD Periodic Monitoring Guidelines for Title V Facilities (November 1997); CAPCOA/CARB/EPA Region IX Periodic Monitoring Recommendations for Generally Applicable Requirements in SIP (June 1999); and CAPCOA/CARB/EPA Region IX Recommended Periodic Monitoring for Generally Applicable Grain Loading Standards in the SIP: Combustion Sources (July 2001).

PM emissions from the abrasive blasting operations are vented to two air pollution control equipment baghouses, the PM emissions from an anodizing tank are controlled by and air pollution control equipment consisting of a mesh pad and HEPA filter, and the PM emissions from an etch tank is controlled by a scrubber. However, since the PM10 emission vented to each baghouse, mesh pad/HEPA filter, and scrubber is less than 70 tons per year, the Compliance

Assurance Monitoring (CAM) requirements of 40 CFR Part 64 is not applicable to the above air pollution control equipment.

6. Permit Features

Permit Shield

A permit shield is an optional part of a Title V permit that gives the facility an explicit protection from requirements that do not apply to the facility. A permit shield is a provision in a permit that states that compliance with the conditions of the permit shall be deemed compliance with all identified regulatory requirements. To incorporate a permit shield into the Title V permit involves submission of applications for change of conditions for each equipment affected by the permit shield. Permit shields are addressed in Rule 3004 (c). This facility has not applied for a permit shield.

Streamlining Requirements

Some emission units may be subject to multiple requirements which are closely related or redundant. The conditions may be streamlined to simplify the permit conditions and compliance. Emission limits, work practice standards, and monitoring, recordkeeping, and reporting requirements may be streamlined. Compliance with a streamlined condition will be deemed compliance with the underlying requirements whether or not the emission unit is actually in compliance with the specific underlying requirement. This facility has not applied for any streamlined conditions.

7. Summary of Emissions and Health Risks

**Criteria Pollutant Emissions (tons/year)
Annual Reported Emissions for Reporting Period 2012**

Pollutant	Emissions (tons/year)
NO _x	0.402
CO	0.337
VOC	8.655
PM	1.398
SO _x	0.002

**Toxic Air Contaminants Emissions (TAC)
Annual Reported Emissions for Reporting Period 2012**

The Following TACs Were Reported	Emissions (lbs/yr)
Ammonia	145
Benzene	0.064
Hexavalent Chromium	1.39
Formaldehyde	0.136
Naphthalene	0.002

Health Risk from Toxic Air Contaminants

The facility is subject to review by the Air Toxics Information and Assessment Act (AB2588). The Final Facility Health Risk was approved in 2001 with the following risk factors.

Cancer Risk	0.04 in one million
Acute Hazard Index	0.0
Chronic Hazard Index	<0.01

8. Compliance History

As noted, the facility has been in constant operation with a Title V permit since 2003. The facility has been subject to both self-reporting requirements and AQMD inspections. The facility has had no citizen complaints filed or Notices of Violation issued in the last two years. However, the facility was issued a Notice to Comply on 7/31/2012 requiring the facility to provide records of pH and flow rate for the scrubber, and the smoke test records for the chromic acid anodizing tank. The applicant provided the requested records and is currently operating in compliance with all applicable rules and permit conditions.

9. Compliance Certification

By virtue of the Title V permit application and issuance of this Title V renewal permit, the reporting frequency for compliance certification for the facility shall be annual.