

South Coast Air Quality Management District

Statement of Basis

Title V Facility Permit Renewal

Facility Name:	Chino Basin Desalter Authority
Facility ID:	135216
SIC Code:	4941
Equipment Location:	6905 Kimball Avenue Chino, CA 91710
Application #(s):	487701
Application Submittal Date(s):	9/3/2008
Permit Renewal:	Draft
Permit Revision No.:	2
Permit Section(s) Affected:	All
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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.

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 a groundwater desalinization plant. This facility is subject to Title V requirements because it was a major source.

2. Facility Description

This is an active groundwater desalinization facility. Groundwater is pumped in from the Chino Basin groundwater basin to the desalter. Some of the water from the wells is pre-treated in an air stripper to capture contaminants including TCE and 1,2,3-TCP. The groundwater is purified using reverse osmosis and ion exchange treatment. Chlorine and ammonia is added to the treated water to form chloramines for disinfection and to improve the odor and flavor of drinking water. The facility is located at 6905 Kimball Avenue, Chino, CA.

3. Construction and Permitting History

Permits to operate were issued to the facility for an ammonia tank with a sparger and an air stripper. An initial Title V permit was issued on June 25, 2002 and was due to expire on June 24, 2007. Title V revision No. 1 was issued on July 22, 2005.

4. Regulatory Applicability Determinations

Applicable legal requirements for which this facility is required are identified in the Title V permit (for example, Section D, E, and K, of the proposed Title V renewed 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 NESHAP requirements.

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 and Appendix B of the proposed Title V permit). Discussion of any applicable monitoring and operational requirements can be found in the Engineering Evaluations. Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64 do not apply to any of the permitted emission sources at this facility.

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 2010**

Pollutant	Emissions (tons/year)
CO	0
NOx	0
ROG	0
SOx	0
TSP	0

**Toxic Air Contaminants Emissions (TAC)
Annual Reported Emissions for Reporting Period 2010**

The Following TACs Were Reported	Emissions (lbs/yr)
Ammonia	5.712
Trichloroethylene	0.012

Health Risk from Toxic Air Contaminants

The facility is not subject to review by the Air Toxics Information and Assessment Act (AB2588).

8. Compliance History

The facility has been subject to AQMD inspections. Facility inspection report for August 20, 2010 was satisfactory operating in compliance at the time of inspection. The facility had 0 citizen complaints filed, 0 Notice to Comply issued, 0 Notice of Violation issued in the last two years.

9. Compliance Certification

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

10. Comments

Proposed Title V renewal permit includes most current permits under Section D.