

# South Coast Air Quality Management District

## Statement of Basis

### Proposed Title V Renewal Permit

<b>Facility Name:</b>	Disneyland Resort
<b>Facility ID:</b>	800189
<b>SIC Code:</b>	7996
<b>Equipment Location:</b>	1313 S. Harbor Blvd. Anaheim, CA 92802
<b>Application #(s):</b>	528254
<b>Application Submittal Date(s):</b>	10/12/2011
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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. NO<sub>2</sub>, SO<sub>2</sub>, 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 Disneyland Resort, located at 1313 S. Harbor Blvd., Anaheim, CA 92802. This facility is subject to Title V requirements because it is a major source.

## **2. Facility Description**

This is an existing Title V facility applying for a Title V permit renewal that operates a theme park. The facility operates emergency and non-emergency internal combustion engines, boilers, heaters, spray booths, abrasive blasting equipment, fuel bulk loading, fuel storage and dispensing facility, and other supporting equipment.

## **3. Construction and Permitting History**

The facility has been in constant operation with a Title V permit at this location since 2000. Numerous permits to construct and or permits to operate have been issued to the facility since May 2000. A Title V permit renewal was issued to the facility on August 3, 2007.

## **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. Some of the emergency engines at the facility are subject to the requirements of 40CFR60, Subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, and 40CFR60, Subpart JJJJ-Standards of Performance for Stationary Spark Ignition Internal Combustion Engines. In addition, the facility is an area source under 40CFR63 Subpart ZZZZ-National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The requirements of the above regulations are reflected in the permit.

## **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).

Particulate matter (PM) emissions from an abrasive blasting room are vented to an air pollution control equipment baghouse to control the PM emissions. However, since the PM10 emission controlled by the baghouse is less than 70 tons per year, the Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64 is not applicable to the baghouse.

Nitrogen Oxides (NO<sub>x</sub>), Carbon Monoxide (CO), and Volatile Organic Compound (VOC) emissions from each spark ignited emergency internal combustion engine are vented to an associated non-selective catalytic reduction system (NSCR) to control the emissions. However, since each engine is limited to a maximum of 200 hours per year, the NO<sub>x</sub>, CO, and VOC emissions controlled by each NSCR are less than 10, 50, and 10 tons per year respectively. Therefore, the CAM requirements of 40 CFR Part 64 are not applicable to this 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 2010**

Pollutant	Emissions (tons/year)
NO <sub>x</sub>	24.499
CO	38.014
VOC	5.905
PM	27.652
SO <sub>x</sub>	0.331

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

The Following TACs Were Reported	Emissions (lbs/yr)
1,3-Butadiene	18.932
2-Methyl naphthalene [PAH, POM]	0.046
Acenaphthelene	0.001

The Following TACs Were Reported	Emissions (lbs/yr)
Acenaphthylene	0.004
Ammonia	6475
Arsenic	0.065
Asbestos	0.024
Benzene	113.65
Cadmium	0.177
Carbon tetrachloride	0.09
Chromium (VI)	0.411
Ethylene dibromide	0.038
Ethylene dichloride	0.02
Fluorene	0.004
Formaldehyde	150
Lead (inorganic)	0.341
Methylene chloride	4.867
Naphthalene	2.789
Nickel	1.717
PAHs	19.9
Phenanthrene	0.009
Pyrene	0.001
Vinyl chloride	0.012

### **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 2009 with the following risk factors.

Cancer Risk	3.25 in one million
Acute Hazard Index	0.11
Chronic Hazard Index	0.06

## **8. Compliance History**

As noted, the facility has been in constant operation with a Title V permit since 2000. The facility has been subject to both self-reporting requirements and AQMD inspections. The facility has had no citizen complaints filed in the last two years. However, the facility was issued two Notices to Comply (NC) on 6/1/2011 and 5/9/2012 respectively. The first NC required the applicant to make corrections to the NOx emission calculation contained in their reported emissions. The second NC required the applicant to report quarterly aggregate emissions for permitted and Rule 219 equipment. In addition, the facility was issued a Notice of Violation on 10/19/2011 for exceeding the VOC limits of various regulation XI rules. The facility has since complied with the requirements 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.