

# South Coast Air Quality Management District

## Statement of Basis

### Proposed Title V Renewal Permit

**Facility Name:** SPS Technologies, LLC  
**Facility ID:** 169990  
**SIC Code:** 3452  
**Equipment Location:** 1700 W. 132<sup>nd</sup> Street  
Gardena, CA 90249

**Application No.:** 530016  
**Application Submittal Date:** 12/6/2011

**AQMD Contact Person:** Stacey Ebner, Senior Engineer  
**Phone Number:** (909) 396-2504  
**E-Mail Address:** sebiner@aqmd.gov

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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 SPS Technologies, LLC located at 1700 W. 132<sup>nd</sup> Street, Gardena, CA 90249. This facility is subject to Title V requirements because it is a major source.

## **2. Facility Description**

This is an existing facility applying for a Title V permit renewal that is in the business of manufacturing metal fasteners. The facility operates two electroplating lines, two scrubbers, a degreaser, dip tank, storage tank, waste water evaporator, waste water treatment system, and other supporting equipment. Emissions from the degreaser are vented to an air pollution control system carbon adsorber.

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

The facility has been in constant operation with a Title V permit at this location since 2001 under the previous operator P.B. Fasteners (ID 3525). A Title V renewal permit was issued to the facility on March 26, 2006. The facility changed ownership in October 2011 and this Title V renewal permit will be issued to the new owner, SPS Technologies, LLC (ID 169990).

## **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. The facility HAP emissions are less than the major source threshold. However, the facility is required to comply with the degreaser NESHAP 40 CFR 63 Subpart T. The applicable degreaser NESHAP requirements have been identified in Sections D and J of 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).

The electroplating lines utilize scrubbers to control the PM<sub>10</sub> emissions and the degreaser is vented to a carbon adsorber to control HAP (perchloroethylene) emissions. However, since the pre-control potential to emit of PM<sub>10</sub> from each electroplating line is less than 70 tons per year and of a single HAP (perchloroethylene) is less than 10 tons per year, the Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64 are not applicable to 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)
NO <sub>x</sub>	0.661
CO	0.174
VOC	9.672
PM	3.549
SO <sub>x</sub>	0.002

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

The Following TACs Were Reported	Emissions (lbs/year)
Perchloroethylene	2455.0
Napthalene	193.4
Ammonia	103.3
Flurocarb (CL)	25.0
Benzene	1.13

\*2010 emissions reported by previous operator, P.B. Fasteners

### **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 1999 for the previous operator with the following risk factors.

Cancer Risk	8.91 in one million
Acute Hazard Index	0.09
Chronic Hazard Index	0.06

### **8. Compliance History**

As noted, the facility has been in constant operation with a Title V permit since 2001. The facility has been subject to both self-reporting requirements and AQMD inspections. The facility under both the current and previous operator has had no citizen complaints filed, Notices to Comply or Notices of Violation issued in the last two years.

### **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.