

<b>SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT</b>  <b>ENGINEERING AND COMPLIANCE DIVISION</b>  <b>PERMIT APPLICATION EVALUATION AND CALCULATIONS</b>	PAGES 1	PAGE 1
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**TITLE V PERMIT (Sec H, REV 02) EVALUATION**

**APPLICANT'S NAME:** ORANGE COUNTY SANITATION DISTRICT (OCSD)

**MAILING ADDRESS:** 10844 ELLIS AVENUE  
FOUNTAIN VALLEY, CA 92708  
ATTN.: TERRY AHN, REGULATORY SPECIALIST

**EQUIPMENT ADDRESS:** 22212 BROOKHURST STREET  
(WASTEWATER TREATMENT PLANT NO. 2)  
HUNTINGTON BEACH, CA 92646-8406

**FACILITY ID NO.:** 029110

**Background:**

This application 518235 was submitted for Title V permit revision (No. 3) on 01/28/2011. In addition, Orange County Sanitation District (OCSD) submitted application 518276 for permit to construct and operate odor control equipment (Biofilter) to treat the exhaust from the dissolved air floatation thickeners (DAFTs) system.

Title V revision (02) was approved March 4, 2011 (issued 3/08/2011).

**Evaluation:**

A/N 518276 (XPP request) is for the new construction of an odor control equipment (Biofilter) to treat 35,000 cfm, total, of foul-air from the four (4) dissolved air floatation thickeners (DAFTS) system. The foul-air exhaust also contains 1000 cfm of ventilation air from the two (2) polymer storage tanks. The proposed odor control system is a part of the DAFTs rehabilitation project (OCSD Job No. P2-89) to make mechanical and collection system improvements to the existing DAFTs (D93957, A/N 222809) and replace concrete domes with geodesic domes for easier access by plant personnel. The odor control system will replace existing chemical scrubber 'F' and biotrickling filter 'G' that are permitted under F99408 (A/N 444113).

The proposed Title V revision is considered a de-minimis significant revision mainly due to;

- The existing odor control equipment to be demolished and replace with a new odor control equipment that can be considered functionally identical equipment to control TNMOCs, and odors (H2S and Ammonia emissions)
- Emission from the control equipment does not exceed the significant emission threshold for VOC that is < 30 lbs/day.

The proposed odor control equipment permit to be included under Section H, Rev 02. Public notice is not required; however, it is subject to EPA 45-day review and comment period. For further information, please refer to the evaluation included in folder (A/N 518276).

**Note:** This revision consists of two permit A/Ns, 519422 (odor control GAC, 3,000 cfm exhaust from biosolids storage silos (Truckloading facility) and A/N 818276 Odor control system (Biofilter) treating 35,000 cfm exhaust from the DAFTs ( TV revision A/Ns 519421 & 518235).

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**Rules Evaluation:**

Compliance with a Reg. XXX -Title V permit and applicable rules and regulations is expected.

**Conclusions & Recommendations:**

Issue the revised Title V permit (it pertains to Section H, Rev 02) upon completion of 45-day EPA review and commenting period.