SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	PAGES	PAGE 1
STATIONARY SOURCE COMPLIANCE DIVISION	APPL NO 501725	DATE 8/10/10
PERMIT APPLICATION PROCESSING AND CALCULATIONS	PROCESSED BY TK	CHECKED BY

Applicant

LA County Sanitation Districts
P.O.Box 4998
Whittier, CA 90607

Equipment Location

Puente Hills Landfill
2800 Workman Mill Road
Whittier, CA

Equipment Description

TITLE V PERMIT REVISION

History

A/N's 501721, 501722 and 501723
Landfill Gas to Energy Systems

The Puente Hills landfill is an operating Class III landfill. The gas generated by the landfill is presently collected and flared or used to produce electricity by driving electric generators with landfill gas fired engines. These applications were submitted to change Condition No. 11 and 12 to allow the use of natural gas in the pre-combustion chamber. The pre-combustion chamber is used to ignite the main combustion chamber. Fluctuating BTU content of the landfill gas results in unstable firing in the pre-combustion chamber. When the pre-combustion chamber misfires, the main combustion chamber fails to ignite. This affects the safety of the operation and impacts emissions. There will be no increase in the usage of natural gas from the previous permit allowance of 25% of the total engine heat input on an average daily basis.

Previous A/N's 486508, 486509 and 486511 requested that the ECF (Efficiency Correction Factor) for NOX and ROG limits in accordance with Rule 1110.2. Condition No. 20 will be changed to show the revised limits as were verified by the source tests. These changes will be combined into this evaluation and the A/N's 486508, 486509 and 486511 will be cancelled. In addition condition No. 10 will be revised to allow for the usage of 10% natural gas on a monthly basis.

A/N 501724
Landfill Condensate/Leachate Collection and Storage System

The Sanitation District has installed a landfill condensate/leachate collection and storage system at the Puente Hills Landfill. This application is to change the equipment description and add equipment which had been installed without a permit.

Calculations

See individual applications.

Evaluation

A Title V permit was issued to this facility in November 2006.

A/N's 501721, 501722 and 501723
The change of conditions is a Minor permit revision since there is no emission increase. No Public Notification is required. A 45 day EPA review is required.

A/N 501724
The modification is a "de minimus significant" permit revision since there is an emission increase not greater than Table 1. No Public notification is required. A 45 day EPA review is required.

Therefore, this TV revision is a "de minimus significant" permit revision.

Conclusions and Recommendation

Recommend issuing a revised TV Permit after a 45 day EPA notice.