

DRAFT

EVALUATION REPORT

Sunnyvale Chevron
1005 W. El Camino Real
Sunnyvale, CA 94087
FID #111866
Application #415004

BACKGROUND

Sunnyvale Chevron has requested to increase the 12-month rolling throughput limit for the following device:

S-1 Gasoline Dispensing Facility

Current Configuration	Post Construction
2 – 12,000 gallon underground gasoline tanks	No change
1 – 12,000 gallon diesel tank	No change
Phase I EBW EVR (VR-103)	No change
Phase II Balance EVR with Vapor Polisher and ISD (VR-204)	No change
12 triple product gasoline nozzles	No change
4 diesel nozzles	No change

EMISSION CALCULATIONS

This application was evaluated for an increase in the permitted throughput limit from 2.45 million gallons per year to 11.79 million gallons per year.

An increase of 10.49 million gal/yr in the permitted throughput will increase emission as follows:

Pollutant	Emissions Factors (lb/thousand gallon)	Emissions (lb/day)	Emissions (lb/year)	Emissions (ton/year)
POC	0.590	16.96	6,189	3.1
Benzene	0.00389	0.11	40.81	0.02

Emission factors are taken from the California Air Resources Board's "Revised Emission Factors for Gasoline Marketing Operations at California Gasoline Dispensing Facilities" (12/23/13). Emissions of Precursor Organic Compound (POC) include emissions from loading, breathing, refueling and spillage.

NEW SOURCE REVIEW

Best Available Control Technology (BACT), Regulation 2-2-301: This station will emit more than 10 pounds of POC in a single day, thus BACT requirement is triggered. BACT for GDFs is considered the use of CARB-certified Phase I and Phase II enhanced vapor recovery equipment.

Offsets, Regulation 2-2-302: Because the total facility emissions will be less than 10 tons per year, the facility is not required to provide offsets.

Best Available Control Technology for Toxics (TBACT), Regulation 2-5-301: The expected increased health risk from this project will exceed 1 per million, thus TBACT requirement is triggered. TBACT for GDFs requires the use of CARB certified Phase I and Phase II vapor recovery equipment.

Project Risk Requirement, Regulation 2-5-302: The increased cancer risk does not exceed 10 in one million, the chronic and acute hazard indexes do not exceed 1, and therefore the project complies with the project risk requirement.

STATEMENT OF COMPLIANCE

California Environmental Quality Act (CEQA), Regulation 2-1-311: This project is considered to be ministerial under Regulation 2-1-311 and therefore is not subject to CEQA review. The engineering review for this project requires only the application of standard permit conditions and standard emission factors in accordance with Permit Handbook Chapter 3.2 and therefore is not discretionary as defined by CEQA.

Public Notification, Regulation 2-1-412: The facility is located within 1000 feet of the outer boundary of Sunnyvale Christian School located at 4455 S. Mary Avenue, Sunnyvale and is therefore subject to the public notification requirements.

Best Available Control Technology for Toxics (TBACT), Regulation 2-5-301: The owner/operator is expected to comply with TBACT requirements by using Phase I EBW EVR system and Phase II Balance EVR system with Vapor Polisher and ISD.

Gasoline Dispensing Facilities, Regulation 8-7-301 and 302: The owner/operator is expected to comply with BAAQMD Regulation 8, Rule 7.

California Air Resources Board (CARB) Vapor Recovery Certification, VR-103 and VR-204: The owner/operator is expected to comply with Enhanced Vapor Recovery (EVR) requirements of Phase I EBW EVR system and Phase II Balance EVR system with Vapor Polisher and ISD.

CONDITIONS

No changes to existing conditions except for the condition below. See existing Permit to Operate for the complete list of conditions.

Operating Conditions for S-1

100013

The amount of fuel dispensed at this source shall not exceed the following limits during any consecutive 12-month period:

- 11,790,000 Gallons of Gasoline - unleaded

RECOMMENDATION

The District has reviewed the material contained in the permit application for the proposed project and has made a preliminary determination that the project is expected to comply with all applicable requirements of District, state and federal air quality-related regulations. The preliminary recommendation is to issue an Authority to Construct for the equipment listed below. However, the proposed source will be located within 1000 feet of a school which triggers the public notification requirements of District Regulation 2-1-412. After the comments are received and reviewed, the District will make a final determination on the permit.

I recommend that the District initiate a public notice and consider any comments received prior to taking any final action on issuance of an Authority to Construct to change permit conditions for the following:

S-1 Gasoline Dispensing Facility

By: Lorna O. Santiago, Air Quality Permit Technician Date: 5/11/16