BAY AREA AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

This document does not permit the holder to violate any BAAQMD regulation or any other law.

PERMIT EXPIRATION DATE
July 01, 2027

Owner Mailing Contact:

EO Lawrence Berkeley National Lab
1 CYCLOTRON RD
BLDG 75B0101
Berkeley , CA 94720-8285
Attn: Jim Buehler

Facility ID: 106134

Lawrence Berkeley Laboratory
1 Cyclotron Rd
Berkeley , CA 94720-8099

Owning Entity:

Lawrence Berkeley Laboratory

DEVICES

This document serves as your Permit to Operate the following:

S1 **GDF**
Gasoline Dispensing Operation

Tank Information:
10000 Gallon Underground Tank w/ Gasoline - unleaded
Phase I Vapor Recovery Type: OPW (VR-102)
Phase II Vapor Recovery Type: None-BAAQMD Regulation 8-7-112.9 ORVR fleet

4000 Gallon Aboveground Tank w/ Ethanol (E85)
Phase I Vapor Recovery Type: Non-EVR Two Point
Phase II Vapor Recovery Type: None-BAAQMD Regulation 8-7-112.9 ORVR fleet

10000 Gallon Underground Tank w/ Diesel
Phase I Vapor Recovery Type: None-Exempt Material
Phase II Vapor Recovery Type: None-Exempt Material

Nozzle Information:
2 Gasoline - Single Product
1 Diesel
Permitted

The operating parameters described above are based on information supplied by the permit holder and may differ from the limits set forth in the attached conditions of this Permit To Operate. The limits of operation in the permit conditions are not to be exceeded. Exceeding these limits is considered a violation of BAAQMD and is subject to enforcement action.

PERMIT CONDITIONS

The devices described in this document are subject to the following permit conditions:

S1 Subject to Condition #: **14098, 16516, 21568, 24173, 27160**

Condition #: 14098 S1

Pursuant to BAAQMD Toxic Section Policy, this facility's annual gasoline throughput shall not exceed 940,000 gallons in any consecutive 12 month period.

Condition #: 16516 S1

The owner/operator of the facility shall conduct and pass a Static Pressure Performance Test (LeakTest) CARB TP 201.3B at least once in each twelve consecutive month period after the date of successful completion of the startup Static Pressure Performance Test.

The owner/operator shall:

1. Notify Source Test by email (gdfnotice@baaqmd.gov) or Fax (510-758-3087), at least 48 hours prior to any required testing.

2. Submit test results in a District-approved format within thirty (30) days of testing.

- For start-up tests results, cover sheet shall include the facility number (Facility ID) and application number of the Authority to Construct permit.
- For annual test results, cover sheet shall include the facility number (Facility ID) and identified as 'Annual' in lieu of the application number.
- Test results shall be emailed (gdfresults@baaqmd.gov) or mailed to the District's main office.

Condition #: 21568 S1

CONDITIONS FOR 4,000 GALLON HOOVER AST DISPENSING E85 FUEL
AND OPERATING UNDER CARB TEST-SITE DESIGNATION

1. Only E85 fuel may be dispensed from this tank. Total fuel dispensed from this tank shall not exceed 50,000 gallons in any 12-consecutive month period.

2. Applicant shall maintain monthly records of the amount of E85 dispensed. All records shall be maintained for two years from the date of entry, and be available for inspection on District Staff on request.

3. The vapor condensate trap shall be monitored, and drained if necessary, on a monthly basis. Applicant shall maintain a log containing date of condensate trap inspection and amount of gasoline collected and drained. Log shall be available for inspection by District staff on request.

4. The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within thirty (30) days of testing. Start- up tests results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510-758-3087) or mail to the District's main office.

5. This facility is operating under a test site designation and must maintain annual CARB certification. All dispensing must immediately cease and all equipment be removed within 60 days of the date CARB denies the application for certification.

6. Within 90 days of obtaining CARB certification of the Phase I vapor equipment in use, applicant shall submit a complete permit application to the District to modify the Permit to Operate for this tank to be consistent with the new certifications.

Condition #: 24173 S1

PHASE II EXEMPTION PER REG.8-7-112.9, ORVR FLEETS

1. All vehicles and equipment refueled at this facility shall be owned by a common operator and either equipped with On-board Refueling Vapor Recovery (ORVR) controls or exempt from use of Phase II vapor recovery during refueling pursuant to Regulation 8-7-112.2.
2. To prevent the refueling of non-ORVR equipped vehicles, all dispensing equipment at this facility shall be equipped with a system that prevents the refueling of unauthorized vehicles. The system shall identify authorized vehicles via vehicle-mounted sensors or card requiring the entry of date unique to the vehicle (e.g., odometer reading).
3. Facility shall retain records of vehicles refueled during the preceding consecutive twelve month period to demonstrate compliance with the above. Records shall be retained for 24 months, and be available for inspection by District staff upon request.
4. Conventional (i.e., non-vapor recovery) nozzles, breakaways and hoses shall be operated at this facility. Only low permeation hoses certified under E.O. NVR-1 shall be used. Prior to March 1, 2023, if a nozzle is newly installed or replaced, an enhanced conventional nozzle certified under E.O. NVR-1 shall be used. As of March 1, 2023, only enhanced conventional nozzles certified under E.O. NVR-1 shall be used.
5. All remaining vapor recovery piping (including internal dispenser piping) shall be capped with NPT galvanized pipe.

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Condition #: 27160 S1

1. The owner/operator shall ensure the Phase I Phil-Tite EVR is installed, operated, and maintained in accordance with the most recent revision of the California Air Resources Board (CARB) Executive Order (EO) VR-101.

2. The owner/operator shall conduct and pass the following tests at the indicated intervals:

a. A Static Pressure Performance Test, in accordance with CARB procedure TP-201.3 at least once in each 12-month period.

b. Phase I Adaptor Static Torque Test on all rotatable Phase I adaptors in accordance with CARB TP-201.1B at least once in each 36-month period.

c. One of the following tests in each 36-month period. The measured leak rate for each component shall be within the limits set in the applicable CARB Executive Order:

- Stations equipped with drop tube overfill prevention devices ("flapper valves"): a Drop Tube Overfill Prevention Device and Spill Container Drain Valve Leak Test in accordance with CARB Test Procedure TP-201.1D and the applicable CARB Executive Order.
- All other stations: a Drop Tube/Drain Valve Assembly Leak Test in accordance with CARB Test Procedure TP-201.1C and the applicable CARB Executive Order.

3. The owner/operator shall:

a. Notify Source Test by email (gdfnotice@baaqmd.gov) or Fax (510-758-3087), at least 48 hours prior to any required testing.

b. Submit test results in a District-approved format within thirty (30) days of testing.

- For start-up tests results, cover sheet shall include the plant number (Facility ID) and application number of the Authority to Construct permit.
- For annual test results, cover sheet shall include the plant number (Facility ID) and identified as 'Annual' in lieu of the application number.
- Test results shall be emailed (gdfresults@baaqmd.gov) or mailed to the Districts main office.

END OF CONDITIONS

IMPLIED CONDITIONS

Unless your specific permit conditions state otherwise, the throughputs, fuel and material consumptions, capacities and hours of operation described in your permit application will be considered maximum allowable limits.

A new permit will be required before any increase in parameters, such as throughputs, fuel and material consumption, capacities, and hours of operation, or change in materials, equipment or permit conditions may be made.

RIGHT OF ACCESS

In accordance with Regulation 1-440, BAAQMD shall be granted the right of access to any premises on which an air pollution source s located for the purposes of:

a) The inspection of the source,
b) The sampling of materials used at the source,
c) The conduct of an emission source test, and
d) The inspection of any records required by BAAQMD rule or permit condition

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REGULATORY COMPLIANCE

This Permit To Operate does not authorize violations of the rules and regulations of BAAQMD (may be viewed at www.baaqmd.gov), California or Federal law. Compliance with conditions in this permit does not mean that the permit holder is currently in compliance with BAAQMD Rules and Regulations It is the responsibility of the permit holder to have knowledge of and be in compliance with all BAAQMD rules and regulations.

END OF DOCUMENT