

## FACILITY PERMIT TO OPERATE CHEVRON USA INC

### SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans .

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

#### List of approved plans:

Application	Rule
303464	463
495067	3003
528422	462
545206	463

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.



**CHEVRON USA, INC.  
MONTEBELLO TERMINAL**

**RULE 463 TANK INSPECTION AND MAINTENANCE PLAN**

1. Mailing Address: Chevron USA, Inc.  
601 S. Vail Ave  
Montebello, CA 90640  
TESH Specialist  
(323) 838-8888
2. Facility Location: Chevron USA, Inc.  
601 S. Vail Ave  
Montebello, CA 90640
3. SCAQMD ID No: 800032
4. Inventory of Floating Roof Tanks

The following table details all floating roof storage tanks at Chevron's Montebello Terminal which are subject to the inspection and maintenance plan requirements of SCAQMD Rule 463. A plot plan showing the location of each storage tank is attached at the end of this plan.

Description	Ethanol	886
Tank Type	Internal Floating Roof Tank	Domed External Floating Roof Tank
Product Stored	Ethanol	Transmix
Capacity (gallons)	2,100,000	231,000
Diameter (feet)	94	35
Height (feet)	48	32
Shell Type	Welded	Welded
Floating Roof Type	Double Deck	Double Deck
Primary Seal Type	Liquid Mounted Mechanical Shoe	Metallic Shoe
Secondary Seal Type	Single Wiper	Rim-mounted Wiper

## 5. Internal Floating Roof Tanks

As shown in the previous section, there are two storage tanks with floating closure devices at the Terminal. Each tank is equipped with a fixed roof and internal floating closure device that complies with the requirements of Rule 463(c)(2) as described in the following sections 5.1 and 5.2.

### 5.1 Closure Device and Vapor Loss Control

The closure device shall control vapor loss with an effectiveness equivalent to a closure device which meets the following requirements<sup>1</sup>.

- 5.1.1 Gaps between the tank shell and the primary seal shall not exceed 1.3 centimeters (1/2 inch) for a cumulative length of 30 percent of the circumference of the tank, and 0.32 centimeter (1/8 inch) for 60 percent of the circumference of the tank. No gap between the tank shell and the primary seal shall exceed 3.8 centimeters (1-1/2 inches). No continuous gap between the tank shell and the primary seal greater than 0.32 centimeter (1/8 inch) shall exceed 10 percent of the circumference of the tank.
- 5.1.2 Gaps between the tank shell and the secondary seal shall not exceed 0.32 centimeter (1/8 inch) for a cumulative length of 95 percent of the circumference of the tank. No gap between the tank shell and the secondary seal shall exceed 1.3 centimeters (1/2 inch).
- 5.1.3 Metallic shoe-type seals installed on or after August 1, 1977 shall be installed so that one end of the shoe extends into the stored organic liquid and the other end extends a minimum vertical distance of 61 centimeters (24 inches) above the stored organic liquid surface.
- 5.1.4 The geometry of the shoe shall be such that the maximum gap between the shoe and the tank shell is no greater than double the gap allowed by the seal gap criteria specified in subparagraph 5.1.1 for a length of at least 46 centimeters (18 inches) in the vertical plane above the liquid surface.

### 5.2 Organic Vapor Concentration

The concentration of organic vapor in the vapor space above the internal floating type cover shall not exceed 50 percent of its lower explosive limit (LEL) for those storage tanks installed prior to June 1, 1984 and 30 percent of its LEL for those storage tanks installed after June 1, 1984. Compliance shall be verified by the use of an explosimeter.

## 6. Tank Inspection Schedule

Inspections will be conducted by certified tank inspectors in accordance with requirements specified in subsections 6.1, 6.2 and 6.3<sup>2</sup>.

- 6.1 All floating roof tanks subject to this rule will be inspected by a certified person twice per year at 4 to 8 months intervals according to the procedures and guidelines set forth in Attachment B - "Inspection Procedures and Compliance Report Form." Generally, inspections are scheduled during February and August each year.
- 6.2 The primary and secondary seals shall be inspected by a certified person each time a floating roof tank is emptied and degassed.

<sup>1</sup> SCAQMD Rule 463(c)(1)(A)

<sup>2</sup> SCAQMD Rule 463(e)(3)

- 6.3 Inspection results will be reported in the format specified in Attachment B of Rule 463 and will be submitted to SCAQMD within 5 working days upon completion of inspection.

When necessary, Chevron will replace damaged seals of the floating roof tanks with seals approved by SCAQMD<sup>3</sup>. Category "A" seals shall be replaced only by Category "A" seals. Category "B" seals shall be replaced only by Category "A" or Category "B" seals. Category "C" seals shall be replaced only by Category "A" or Category "B" seals. A description of seal types for each category is detailed in Attachment A "Floating Roof Tank Seal Categories" of Rule 463 and included at the end of this plan.

If any tank determined to be in non-compliance with provisions of Rule 463, Chevron will bring the tank into compliance within 72 hours of the determination of non-compliance. Within 120 hours of the determination of non-compliance, Chevron will submit a written report to SCAQMD indicating the corrective actions taken to achieve compliance.

7. Tank Inspection Contractors and Certified Tank Inspectors

All tank inspections at the facility will be performed by Chevron personnel/contractors with SCAQMD tank inspector certifications. The name of the certified inspector, employer, and contact information will be recorded in Section B of the submitted compliance report; see Attachment B at the end of this plan.

8. Chevron Self-Inspection Procedure for Internal Floating Tanks

Chevron will follow the safety procedures specified in Chevron's *Initial Filling of Tank or Re-floating a Roof Standard Operating Procedure -T04 (10.10.2.8.5)*. Both Chevron personnel and contractors must follow these safety procedures.

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<sup>3</sup> SCAQMD Rule 463(d)(5)



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<b>CHEVRON – MONTEBELLO TERMINAL</b> <b>RULE 463 STORAGE TANK I &amp; M PLAN</b>	Processed by jtu	Reviewed by LOT

- EVALUATION FOR RULE 463 -  
STORAGE TANK INSPECTION & MAINTENANCE  
PLAN

**COMPANY NAME AND LOCATION ADDRESS**

Chevron USA, Inc.  
Montebello Terminal  
601 S. Vail Ave.  
Montebello, CA 90640

Facility ID# 800032

**MAILING ADDRESS:** 601 S. Vail Avenue  
Montebello, CA 90640

**CONTACT PERSON:** Mr. John Dalton  
**TELEPHONE NO.:** (323) 838-8888

**A/N 545206:** Rule 463 Inspection & Maintenance Plan

**BACKGROUND**

This application was submitted on 11/29/2012 and has been evaluated for compliance with the requirements of Rule 463 (e)(1)(A) and 463 (e)(3)(A). The plan is recommended for approval. This is a Title V facility which is a petroleum product storage and distribution bulk terminal.

**EVALUATION OF INSPECTION AND MAINTENANCE PLAN**

**A. INVENTORY OF TANKS:**

This plan contains inventory of all tanks subject to Rule 463. The tank information listed in #4 - page 1 of the submitted plan satisfies the requirements of Rule 463(e)(1)(A).

**B. PROPOSED SELF-INSPECTION:**

The company will perform inspections of the subject tanks according to the schedule listed in #6 - pages 2 & 3 of the submitted plan.



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C. CERTIFIED TANK INSPECTORS:

Chevron indicated that certified inspectors will be used for the inspection program, #7  
– page 3 of the submitted plan.

**RECOMMENDATION:**

Propose the Rule 463 Inspection and Maintenance Plan in Section I as a minor permit revision under Regulation XXX to EPA for 45-day review (no TV revision folder will be needed).