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CHEVRON USA INC. – MONTEBELLO TERMINAL RULE 462 CMS PLAN	Processed by TL03	Checked by 001

**EVALUATION FOR RULE 462
CONTINUOUS MONITORING SYSTEM (CMS) PLAN**

COMPANY NAME AND LOCATION ADDRESS

Chevron USA Inc.
601 S. Vail Avenue
Montebello, CA 90640

Facility ID# 800032

A/N 528422 – RULE 462 CMS PLAN

BACKGROUND

This is a Title V facility which is a petroleum product storage and distribution bulk terminal. The facility stores gasoline and diesel fuel which are received primarily by pipeline and are transferred to tanker trucks at six permitted loading racks for further distribution to the market place.

Chevron's tank truck loading operation qualifies a "Class "A" Facility" under AQMD Rule 462. As such, the facility is required to vent the vapors generated from the tank truck loading operation to a vapor recovery and/or disposal system which are required to be equipped with a Rule 462 Continuous Monitoring System (CMS) that is approved by the AQMD. Historically, Chevron operated two vapor destruction systems (thermal oxidizers) which were equipped with a CMS that operated under an approved CMS Plan (A/N 324322). More recently, Chevron has removed the thermal oxidizer and has installed a vapor recovery and treatment system (carbon adsorber) operating under Permit to Construct No. R-513959. This new carbon adsorption system is likewise required to be equipped with a new CMS operating under an approved plan and is the subject of this plan application. This new CMS Plan will be processed as a minor permit revision under Regulation XXX.

NOV/NC HISTORY

There have been no NOV's or NC's issued for this facility within the last 2 years.



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PROPOSED CMS

Chevron proposed CMS consists of a infrared hydrocarbon analyzer and data recording system to measure VOC emissions at the outlet of the carbon adsorption system. The data recorder will electronically store emissions data. The CMS equipment description is found below.

EQUIPMENT DESCRIPTION

CONTINUOUS MONITORING SYSTEM (CMS) CONSISTING OF AN INFRARED HYDROCARBON ANALYZER, SUMMIT, MODEL NO. IR-8400D OR EQUIVALENT, AND AN ELECTRONIC DATA RECORDER, YOKOGAWA DAQSTATION, MODEL DX106 OR EQUIVALENT, SERVING THE VAPOR RECOVERY AND TREATMENT SYSTEM.

DISCUSSION

Following the source testing of the vapor recovery and treatment system, the appropriate instantaneous and 15-minute average emission limits as measured by the CMS will be imposed on the vapor recovery and treatment system permit (Permit to Construct No. R-513959).

RECOMMENDATIONS

Propose the Rule 462 CMS Plan to EPA for 45-day review as a minor revision to be included in Section I of Chevron's Title V permit, and subject to the following conditions:

1. The operator shall conduct the operation of this CMS in compliance with all data and specifications submitted with the plan application under which this approval is granted, unless otherwise noted below.
2. The CMS shall sample and analyze gas from the outlet of the carbon adsorption vessels o to accurately measure the Non-methane Hydrocarbon (NMHC) concentration at the exhaust of vapor recovery and treatment system.



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3. The CMS shall provide and the data recorder shall retain the instantaneous NMHC concentration and a continuous 15-minute average NMHC concentration, measured at the exhaust of the vapor recovery and treatment system (carbon adsorption vessels).
4. The operator shall maintain a display of the NMHC concentrations in a location accessible to District personnel.
5. Daily calibration error tests shall be performed on the CMS at the low (0-20 percent) and high (80-100 percent) ranges of concentration. The calibration error shall not exceed 2.5 percent of the full scale range.
6. Testing of the CMS for relative accuracy (RA) and calibration drift, as described in 40 CFR 60 Appendix B, shall be conducted in conjunction with the vapor recovery and treatment system performance testing required by the permit for the vapor recovery and treatment system.
7. The operator shall ensure that the CMS is properly maintained and kept in good operating condition at all times and that it meets applicable requirements of 40 CFR 63.427 and 40 CFR 60 Appendix B, Specification 8. The applicability of 40 CFR 63.427 is pursuant to AQMD rule 462(f)(2) and does not necessarily imply that the facility is a major source of Hazardous Air Pollutants (HAPs).
8. The operator shall maintain the recording device in proper operation at all times such that it is accurately synchronized with the correct time of day.
9. The recording device shall archive data in a secure encrypted format to nonvolatile data storage. Instantaneous readings shall be recorded at a frequency of not less than once per minute. The recorder/software shall be capable of displaying and printing out plots of the NMHC concentration within 3 hours of a request. Where external storage media is used, it shall be replaced at a sufficient frequency to ensure that the amount of stored data is at no more than 90% of the storage capacity of the media.
10. The operator shall notify the executive officer, within 24 hours, in the event of a CMS or recorder failure or shutdown for repair, which exceeds one hour. The notification shall include the cause and time of the failure, the time the recorder returned to operation, maintenance or corrective work performed and actions taken to prevent such failures in the future. The CMS or recorder shall be restored to normal operation within 96 hours of the failure.



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11. The operator shall keep records on site to show compliance with conditions required by this plan. Such records shall be kept for at least five years and made available to District personnel upon request.