

## FACILITY PERMIT TO OPERATE EQUILON ENT LLC, SHELL OIL PROD. U S

### 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
343934	463
549349	462

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.

**DRAFT RULE 462 CONTINUOUS MONITORING SYSTEM (CMS) COMPLIANCE PLAN  
FACILITY ID 116931 – EQUILON ENTERPRISES LLC, dba SHELL OIL PRODUCTS US  
SIGNAL HILL TERMINAL**

**CONTINUOUS MONITORING SYSTEM (CMS) EQUIPMENT**

CONTINUOUS MONITORING SYSTEM (CMS) CONSISTING OF TWO INFRARED INDUSTRIES MODEL 8400D DIGITAL GAS ANALYZERS (ONE USED AS A SPARE) AND A YOKOGAWA MODEL DX1000 SERIES (OR EQUIVALENT) DIGITAL RECORDER AND SERVING A JOHN ZINK CARBON ADSORPTION SYSTEM

**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 vapor recovery system (carbon adsorber) to accurately measure the Nonmethane Hydrocarbon (NMHC) concentration.
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 system (carbon adsorbers).
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 system (carbon adsorbers) performance testing required by the permit for the vapor recovery system (carbon adsorbers). Performance testing shall be conducted on both the on-line and spare analyzers, unless the spare analyzer is removed and will not be used for Rule 462 compliance purposes.
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.

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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.
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.