



FACILITY PERMIT TO OPERATE PARAMOUNT PETR CORP (EIS USE)

SECTION H: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10 : STORAGE TANKS					
System 1: FIXED ROOF TANKS					S13.4, S31.4
STORAGE TANK, HEATED, NO. T-1019, ASPHALT, WITH A MIXER AND A PRE-KNOCKOUT SEPARATOR, 1113 BBL; DIAMETER: 18 FT 1 IN; HEIGHT 24 FT 4 IN WITH AN ENCLOSED SCREW CONVEYOR A/N: 526351	D277	C761 C762			C1.7, C6.11, D232.2, E336.4
TANK, HEATED, T-20, ASPHALT, POLYMER WETTING, WITH IN-TANK MIXER, BLOWER AND A PRE-KNOCKOUT SEPARATOR, HEIGHT: 5 FT 9 IN; DIAMETER: 6 FT 1 IN A/N: 526352	D579	C531 C878			A63.5, C19, C6.13, D323.2, H23.14
CARBON ADSORBER, 3 TOTAL, BACKUP, CONNECTED IN PARALLEL, 180 LBS EACH A/N: 526352	C878	D579			D90.9, E128.1, E153.7, E336.10

- | | |
|---|--|
| * (1)(1A)(1B)Denotes RECLAIM emission factor | (2)(2A)(2B)Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5)(5A)(5B)Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (7) Denotes NSR applicability limit | (8)(8A)(8B)Denotes 40 CFR limits(e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits | (10) See Section J for NESHAP/MACT requirements |

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator



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SYSTEM CONDITIONS

S13.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463

[Rule 463, 5-6-2005]

[Systems subject to this condition: Process 10, System 1]

S31.4 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 486518 (Diesel Farm Filter):

All open-ended lines shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to a closed vent system.

All new light liquid pumps shall utilize double seals.

All compressors shall be equipped with a seal system with a high pressure barrier fluid.

All new valves in VOC service, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be bellows seal valves, except as approved by the District, in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose a safety hazard, retrofits/special applications with space limitations, and valves not commercially available.

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be distinctly identified from other components through their tag numbers (e.g. numbers ending in the letter "N"), and shall be noted in records.

All new components in VOC service as defined by Rule 1173, except valves and flanges, shall be inspected quarterly using EPA Reference Method 21. All new valves and flanges in VOC service,



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except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Reference Method 21.

If 98.0 percent or greater of the new (non-bellows sealed) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 100 ppmv for two consecutive months, then the operator may change to a quarterly inspection program with the approval of the District.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new (non-bellows sealed) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate of less than 100 ppmv.

All components in VOC service except for pumps, compressors, and drains, a leak greater than 100 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection. Components shall be defined as any valve, fitting, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.

All pumps, compressors, and drains, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection. Components shall be defined as A leak greater than 1,000 ppm shall be repaired according to Rule 1173.

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District. Records shall be kept and maintained for at least five years, and shall be made available to the Executive Officer or his authorized representative upon request.

[Rule 1303(a)(1)-BACT, 5-10-10-1996; Rule 1303(a)(1)-BACT, 12-6-2002; Rule 1303(b)(2)-Offset, 5-10-1996, Rule 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition: Process 10, System 1]



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The operator shall comply with the terms and conditions set forth below:

DEVICE CONDITIONS

A. Emission Limits

A63.5 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible Emissions	Less than or equal to 0 percent opacity

[40CFR 60 Subpart UU, 8-5-1983]

[Devices subject to this condition: D579]

C. Throughput or Operating Parameter Limits

C1.7 The operator shall limit the throughput to no more than 365000 barrel(s) in any one year.

For purposes of this condition, material processed shall be defined as any asphalt products except cutback asphalts.

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times D \times D \times L$, where D is the diameter of the tank in feet based on tank strapping chart and L is the total vertical one-way tank level travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the tank level. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way tank level movement at the end of each month. The total one-way tank level movement shall be determined for the calendar month and in units of feet.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into



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The operator shall comply with the terms and conditions set forth below:

service within 10 days. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed for service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the time that the ATLG went out of service.

[Rule 1303(b)(2)-Offset, 5-10-1996, Rule 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D277]

C1.9 The operator shall limit the throughput to no more than 90000 barrel(s) in any one calendar month.

For purposes of this condition, material processed shall be defined as any asphalt products except cutback asphalts.

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times D \times D \times L$, where D is the diameter of the tank in feet based on tank strapping chart and L is the total vertical one-way tank level travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the tank level. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way tank level movement at the end of each month. The total one-way tank level movement shall be determined for the calendar month and in units of feet.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed for service for maintenance. While the ATLG is being repaired or maintained, the



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throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the time that the ATLG went out of service.

[Rule 1303(b)(2)-Offset, 5-10-1996, Rule 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D579]

C6.11 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 500 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature of the asphalt stored or pumped into the tank.

This condition shall not apply when the tank stores MAC 10 or asphalt products containing MAC 10. The maximum temperature limit shall be reduced from 500 to 450 Deg F when the tank stores MAC 10 or an asphalt containing MAC 10.

[Rule 1303(b)(2)-Offset, 5-10-1996, Rule 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D277]

C6.13 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 450 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature of the asphalt stored or pumped into the tank.

[Rule 1303(b)(2)-Offset, 5-10-1996, Rule 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D579]

D. Monitoring/Testing Requirements

D90.9 The operator shall periodically monitor the concentration of VOC at the outlet of each carbon adsorber according to the following specifications:

The operator shall use a flame ionization detector (FID) or a District approved organic vapor analyzer (OVA) calibrated in ppmv of hexane to monitor the parameter.



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The operator shall comply with the terms and conditions set forth below:

The operator shall monitor the VOC concentrations at least once per day that the exhaust gases are vented to the carbon adsorbers. If a tank filling is scheduled during a day, the VOC measurements shall be taken during tank filling. If no tank filling is being scheduled during a day, the VOC measurements may be taken at anytime.

[Rule 1303(b)(2)-Offset, 5-10-1996, Rule 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: C878]

D323.2

The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). Visible emission observation record by a certified smoke reader.

[Rule 3004(a)(4)-Periodic Monitoring, 12-12-1997, Rule 401, 3-2-1984]



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The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition: D277, D579]

E. Equipment Operation/Construction Requirements

E128.1 The operator shall keep all spent carbon in a tightly covered container which shall remain closed except when it is being transferred in or out of the container.

[Rule 1401, 3-4-2005]

[Devices subject to this condition: C878]

E153.7 The operator shall change over the spent carbon with fresh activated carbon, within 24 hours, in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppm at the outlet of the first carbon canister.

[Rule 3004(a)(4)-Periodic Monitoring, 12-12-1997, Rule 1303(b)(2)-Offset, 5-10-1996, Rule 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: C878]

E336.4 The operator shall vent the vent gases from this equipment as follows:

All vent gases shall be directed to the incinerator (Device C531 of Process 15, System 3) in tandem with SO_x scrubbing system (Process 15, System 4), which consists of a scrubber (Device C566) followed by a scrubber exhaust gas re-heater (Device D569).

All vent gases shall be vented to back-up carbon adsorbers (Devices C762, C764, C765, C766, C767, and C768 of Process 10, System 1) whenever incinerator (Device C531) is shutdown due to outages.

[Rule 1303(a)(1)-BACT, 5-10-1996, Rule 1303(a)(1)-BACT, 12-6-2002, Rule 407, 5-7-1976]

[Devices subject to this condition: D277]

E336.10 The operator shall vent the vent gases from this equipment as follows:



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All vent gases shall be directed to the incinerator (Device C531 in Process 15, System 3) in series with the SOx scrubbing system (Process 15, System 4), which consists of a scrubber (Device C566) followed by a scrubber exhaust gas re-heater (Device D569) or to the carbon adsorbers (Device C878 in Process 10, System 1). The operator shall only vent this equipment to the carbon adsorbers during periods when the incinerator is out of service due to maintenance, repairs, or malfunction.

The equipment shall not be operated unless the subject incinerator and SOx scrubbing system or carbon adsorbers are in full use and have a valid permit to receive vent gases from this equipment.

[Rule 1303(b)(2)-Offset, 5-10-1996, Rule 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: C878]

H. Applicable Rules

H23.14 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	40CFR60 Subpart	UU

[40CFR60 Subpart UU, 8-5-1983]

[Devices subject to this condition: D570]