

December 1, 2003

Valero Benicia Asphalt Plant

3001 Park Road
Benicia, CA 90748-1257

Attention: Mr. Doug Comeau, Vice President

Application Number: 17468
Plant Number: A0901
Equipment Location: 3001 Park Road
Benicia, CA 90748-1257

ALAMEDA COUNTY

Roberta Cooper
Scott Haggerty
(Chairperson)
Nate Miley
Shelia Young

Dear Mr. Comeau:

CONTRA COSTA COUNTY

Mark DeSaulnier
Mark Ross
Gayle Uilkema
(Secretary)

The requirement for public and EPA review of the proposed Major Facility Review Permit has been completed. Comments were received from EPA, the facility, and the following parties: Good Neighbor Steering Committee, Our Children's Earth, Sierra Club, Western States Petroleum Association. The District has prepared responses to comments, has amended the permit where necessary, and has decided to issue the permit.

MARIN COUNTY

Harold C. Brown, Jr.

The District has agreed to make some changes in response to your comments and to EPA's comments. The detail of the District's response to your comments is in Attachment B to this letter. The response letter to EPA, attached, contains the detail of the District response to EPA.

NAPA COUNTY

Brad Wagenknecht

SAN FRANCISCO COUNTY

Willie Brown, Jr.
Chris Daly
Jake McGoldrick

Several changes and corrections have also been made to the permit due to comments from District staff. The detail of these changes is in Attachment A to this letter.

SAN MATEO COUNTY

Jerry Hill
Marland Townsend
(Vice-Chairperson)

Enclosed is a copy of the final permit, all comments, and all responses to comments. Please note that the first monitoring report for this permit will be due on May 31, 2004, and the first compliance certification will be due on December 31, 2004.

SANTA CLARA COUNTY

Liz Kniss
Patrick Kwok
Julia Miller
Dena Mossar

If you have any questions regarding this permit, please call Brenda Cabral, Senior Air Quality Engineer, at (415) 749-4686.

Sincerely yours,

SOLANO COUNTY

John F. Silva

SONOMA COUNTY

Tim Smith
Pamela Torliatt

Jack P. Broadbent
Executive Officer / APCO

Jack P. Broadbent
EXECUTIVE OFFICER/APCO

BFC:myl

Attachments

Cc: Clark Hopper, Valero Benicia Asphalt Plant
Eric Hengst, Valero Refining

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ATTACHMENT A

The District received extensive comments on implementation of the "NO_x Box" conditions for monitoring for BAAQMD Regulation 9, Rule 10, from Western States Petroleum Association and from the facility. In order to properly analyze these comments, implementation will be delayed until 6/1/04. The conditions may be amended in a permit revision before this date.

References to S32, Light Gas Oil Stripper, have been removed since the applicant has stated that it was removed in 1999.

No changes have been made to BAAQMD Condition 1240, part I.16a, because any changes would require a separate application.

The term "refinery" has been changed to "asphalt plant" where appropriate. Please see the detailed responses for more information.

The District acknowledges that the facility would like to transfer several sources to another facility under common control and ownership. This request will be handled after the Title V permit has been issued.

In regards to your request for additional permit shields: since these permit shields were not part of the documents during the public notice period, we cannot include them at this time. Please submit a separate application for a significant revision to the permit to include these permits shields after the Title V permit has been issued.

Other changes:

The site number has been changed back to A0901. This is the original site number. The plant number is 11393 in the District's obsolete database because the plant numbers in the obsolete database change whenever there is a change in ownership. There is no site number B3193 in the District's new database.

The table headings in Section IV and Section VII have been changed so that they are consecutive.

All references of BAAQMD Regulation 8-5-311 have been changed to BAAQMD 8-5-306 due to the regulation change dated 11/27/02.

Condition 1240.I.19 and II.58b were amended to say that the minimum temperature specification would be added using minor revision procedures instead of administrative amendment procedures. The reason is that BAAQMD Regulation 2, Rule 6, Major Facility Review, was amended on April 16, 2003, in part to restrict the use of administrative procedures.

The references to the part numbers in Condition 1240 were amended so that they all have the letter and number (i.e., part I.3).

The following note: "Control by S24, Hot Oil Heater, or A31, Thermal Oxidizer" was deleted from various citations of limits. This note is only appropriate if the choice of abatement device changes the limit or monitoring, as it does in some cases.

BAAQMD Regulation 8-5-605, Pressure-Vacuum Valve Gas Tight Determination, was added to various fixed roof tanks in Section VII.

The basis for BAAQMD Condition 1240, II.58b, which requires temperature monitoring, has been amplified to include various federal standards.

40 CFR 61, Subpart FF

The following citations from 40 CFR 61, Subpart FF were added: 40 CFR 61.349(a)(1)(i) to all wastewater sources because it is directly applicable and 40 CFR 61.349(f) as the monitoring citation. 40 CFR 61.356(f)(2)(i) was added to A31, Thermal Incinerator, because it concerns determination of temperature and residence time for the incinerator.

Startup and Shutdown Notification

A requirement to notify the District of scheduled and unscheduled startups and shutdowns has been added to all refinery permits. In the case of this facility, it was placed in Section I, part J.3.

ATTACHMENT B

The following response to the facility's comments is organized in the same manner that the comments are organized. The comments on Sections II, III, IV, VI, VIII, and IX are first in number order. The page number is also included as a cross-reference. The comments on Section VII are after the comments on Sections II, III, IV, VI, VIII, and IX.

COMMENTS ON SECTIONS II, III, IV, VI, VIII, AND IX

Page 1:

Comment 1: On title page, change name of responsible official.

Response: Changed as requested.

Comment 2: In Table IIA, Permitted Sources, change name of S16, Truck Loading Racks Kerosene or Distillate Oil, to "Truck Loading Racks-Heavy Vacuum Gas Oil."

Response: The source has historically been described as loading kerosene or distillate oil. The applicant has not submitted documentation to determine whether heavy vacuum gas oil is substantially equivalent to kerosene or distillate oil. The District invites the applicant to submit such documentation at a later date or to submit a permit application for the change.

Comment 3: In Table IIA, Permitted Sources, change description of S19, Vacuum Heater, from refinery fuel gas to asphalt plant gas.

Response: Will change description to asphalt plant refinery fuel gas, since it is still physically refinery fuel gas.

Comment 4: In Table IIA, Permitted Sources, change capacity of S20, Steam Boiler, and S21, Steam Boiler, to 15 MMbtu/hr to match NOx Box conditions.

Response: The capacities of S20 and S21 have been 14.7 MMbtu/hr since the date of construction. The NOx Box condition is in error and will be corrected to 14.7 MMbtu/hr. The facility would have to submit an application for an increase in capacity to change the permitted capacity.

Comment 5: In Table IIA, Permitted Sources, delete S32 from Equipment List.

Response: The owner/operator states that S32 was removed from the facility in 1999. Therefore, the source has been deleted. To make it clear that this source is not part of S18, Crude Unit, the description of S18 has been amplified. It now reads: "Crude Unit including atmospheric tower, vacuum tower, and KD stripper tower."

Comment 6: In Table IIB, Abatement Devices, for A1, Mist Eliminator, delete S65, Asphalt Tank, from the list of sources controlled and add S25, Effluent Water Feed Tank, and S66, Oil Water Separator, to list of sources controlled. Also, add "F-8" to description of the abatement device.

Response: Since the permit conditions do not state that S65 is controlled by A1, it has been deleted. Since S25 is controlled by S24, Hot Oil Heater, when A31, Thermal Oxidizer, is not available, and S24 is associated with A1, S25 has been added to the list of sources abated by A1. Since the permit conditions state that S66 is controlled by A1 it has been added. "F-8" has been added to the description of the abatement device.

Comment 7: In Table IIB, Abatement Devices, add S70, Asphalt Additive Mixing Tank, to list of sources controlled by A3, Mist Eliminator. Add parentheses around “F-10.”

Response: Corrected as requested.

Comment 8: In Table IIB, Abatement Devices, change NMHC limit in Table II.B from 49.1 tons per year to 49.345 tons per year.

Response: This increase was approved in Application 7194, granted on 4/9/03.

Page 2:

Comment 9: In Table IIB, Abatement Devices, add Regulation 6-301 and 6-310 to Table II-B for control of S17, Truck Loading Racks – Asphalt, at A4, Thermal Oxidizer, to conform to the Section VII table for S17.

Response: Added as requested.

Comment 10: In Table IIB, Abatement Devices, delete S17, Truck Loading Racks - Asphalt, from list of sources subject to BAAQMD Regulation 8, Rule 6.

Response: Deleted because it does not apply to S17 due to the low vapor pressure of asphalt.

Comment 11: In Table IIB, Abatement Devices, delete S66, Oil Water Separator, from the list of sources controlled by A20, Mist Eliminator. Add S70, Asphalt Additive Mixing Tank, to the list of sources controlled by A20.

Response: Deleted S66 because it is controlled by other mist eliminators, per the permit conditions. Added S70 because it is controlled by A20 per the permit conditions.

Comment 12: In Table IIB, Abatement Devices, change A21, Carbon Canister from “canisters” to “canister” because there is only one canister.

Response: Changed as requested.

Comment 13: In Table IIB, Abatement Devices, change A22, Carbon Canister from “canisters” to “canister” because there is only one canister.

Response: Changed as requested.

Comment 14: In Table IIB, Abatement Devices, for control device A23, Carbon Canister, correct applicable requirement 40 CFR 61.349(a)(1)(ii) to 40 CFR 61.349(a)(2)(ii).

Response: Corrected as requested because the former applies to the closed-vent system and the latter applies to the control device.

Page 3:

Comment 15: In Table IIB, Abatement Devices, for control device A31, Thermal Oxidizer, consolidate all references to 40 CFR 60.473(c) in a single line. Correct the applicable requirement for S61, Asphalt Tank, and S62, Asphalt Tank, from 40 CFR 60.472(c) to 40 CFR 60.473(c).

Response: 40 CFR 60.472(c) is the proper citation. All citations for the “0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning” requirement” have been changed to 40 CFR 60.472(c). The lines have been consolidated.

Comment 16: In Table IIB, Abatement Devices, delete S54, Asphalt Loading Rack, from sources subject to BAAQMD Regulation 8-6-301 in Table IIB.

Response: S54 is not subject to BAAQMD Regulation 8-6-301. Corrected as requested.

Comment 17: In Table IIB, Abatement Devices, change applicable requirement for S41, Wemco Hydrocleaner, from BAAQMD Regulation 8-8-307 to 8-8-307.2 to correspond with Table VII-Z and add temperature as the parameter.

Response: Changed as requested.

Page 4:

Comment 18: In Table IIB, Abatement Devices, for control device A31, Thermal Oxidizer, add the following standards for Sources S5, Asphalt Storage Tank - S8, Asphalt Storage Tank, S31, Rail Car Asphalt and Gas Oil Loading Rack, S37, Rubberized Asphalt Sales Tank, S38, Rubberized Asphalt Sales Tank, S51, Sales Tank – Asphalt Liquid - S54, Asphalt Loading Rack, S60, Asphalt Tank - S62, Asphalt Tank, S65, Asphalt Tank, and S70, Asphalt Additive Mixing Tank: BAAQMD Regulations 6-301 and 6-310.

Response: Table IIB corrected as requested.

Comment 19: In Table IIB, Abatement Devices, for control device A31, Thermal Oxidizer, add BAAQMD Regulation 8-8-301.2 for S66, Oil Water Separator.

Response: Added to conform to the Section IV and VII tables for S66.

Comment 20: In Table IIB, Abatement Devices, for control device A31, Thermal Oxidizer, consolidate all sources subject to 40 CFR 61.349(a)(2)(i)(A). Add S26, Wastewater Oil Tank, and S27, Recovered Oil Tank.

Response: The sources have been consolidated as requested. Tanks S26 and S27 have not been added because the facility only has approval to abate these sources with carbon at this time.

Page 5:

Comment 21: In Table IIB, Abatement Devices, change all references to BAAQMD Regulation 8-5-311 in Table IIB to 8-5-306.

Response: Changed as requested.

Comment 22: In Table IIB, Abatement Devices, for control device S24, Hot Oil Heater, add BAAQMD Condition 1240, II.70 for S54, Asphalt Loading Rack. In table IIB, for control device A31, Thermal Oxidizer, add BAAQMD Condition 1240, II.57 for S61, Asphalt Tank, and S62, Asphalt Tank. Consolidate all 98.5% destruction requirements.

Response: Since the 98.5% destruction requirements are in different permit conditions, these have not been consolidated. BAAQMD Condition 1240, II.57 and II.70 have been added to the table for S24 and A31.

Comment 23: In Table IIB, Abatement Devices, delete S32, from list of sources controlled by A44, Caustic Scrubber.

Response: The owner/operator states that S32 was removed from the facility in 1999. Therefore, the source has been deleted.

Comment 24: In Table IIB, Abatement Devices, change description of fuel for S19, Vacuum Heater, from “refinery fuel gas” to “asphalt plant fuel gas.”

Response: Description changed to “asphalt plant refinery fuel gas”

Comment 25: In Table IIB, Abatement Devices, delete S32 from list of sources in equipment list controlled by S19, Vacuum Heater.

Response: The owner/operator states that S32 was removed from the facility in 1999. Therefore, the source has been deleted.

Comment 26: In Table IIB, Abatement Devices, delete S32 from list of sources subject to 63.643(a)(2) in Equipment List.

Response: The owner/operator states that S32 was removed from the facility in 1999. Therefore, the source has been deleted.

Comment 27: In Table IIB, Abatement Devices, delete A6, Mist Eliminator, from the list of sources controlled by S24, Hot Oil Heater. Add S54, Asphalt Loading Rack, to list of sources controlled by S24.

Response: Corrected as requested to reflect the permit conditions.

Page 6:

Comment 28: In Table IIB, Abatement Devices, for control device S24, Hot Oil Heater, add the following standards for Sources S5, Asphalt Storage Tank - S8, Asphalt Storage Tank, S37, Rubberized Asphalt Sales Tank, S38, Rubberized Asphalt Sales Tank, S51, Sales Tank – Asphalt Liquid - S54, Asphalt Loading Rack, S60, Asphalt Tank - S62, Asphalt Tank, S65, Asphalt Tank, S70, Asphalt Additive Mixing Tank: BAAQMD Regulations 6-301 and 6-310.

Response: Table IIB corrected as requested.

Comment 29: In Table IIB, Abatement Devices, for control device S24, Hot Oil Heater, add the following standard for Source S41, Wemco Hydrocleaner: BAAQMD Regulations 8-8-307.2.

Response: Table IIB corrected as requested to conform to the description in permit conditions and the Section VII table for S41. The requirement has also been added to the Section VII tables for S24, Hot Oil Heater, and A31, Thermal Oxidizer.

Comment 30: In Table IIB, Abatement Devices, for control device S24, Hot Oil Heater, consolidate all references to 40 CFR 60.473(c) in a single line.

Response: 40 CFR 60.472(c) is the proper citation. All citations for the “0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning” requirement” have been changed to 40 CFR 60.472(c). The lines have been consolidated.

Page 7:

Comment 31: In Section III, Generally Applicable Requirements, correct date of SIP Regulation 4.

Response: Corrected as requested.

Comment 32: In Section III, Generally Applicable Requirements, change “Federal Enforceability” column to “Y” for BAAQMD Regulation 6.

Response: Corrected as requested.

Comment 33: In Section III, Generally Applicable Requirements, correct date of BAAQMD Regulation 8, Rule 4.

Response: Corrected as requested.

Comment 34: In Section III, Generally Applicable Requirements, add Subpart H, 40 CFR 82.270(b) to Table III, Generally Applicable Requirements, because facility has Halon for fire fighting.

Response: Added as requested.

Comment 35: In Section IV, Source Specific Applicable Requirements, change “Federal Enforceability” column to “Y” for BAAQMD Regulation 8, Rule 5.

Response: Corrected as requested.

Comment 36: In Section IV, Source Specific Applicable Requirements, change description from “cleaning” to “degassing” in all citations of Regulation 8, Rule 5.

Response: Corrected as requested.

Comment 37: In Section IV, Source Specific Applicable Requirements, General Asphalt Plant Requirements table, delete all citations of BAAQMD Regulation 8-5-404.3 because it has been deleted from the rule.

Response: Corrected as requested.

Comment 38: In Section IV, Source Specific Applicable Requirements, General Asphalt Plant Requirements table, add BAAQMD Regulation 8-5-602.

Response: Added as requested, since 8-5-602 refers to monitoring of vapor pressure of liquids not in Regulation 8, rule 5, table 1.

Comment 39: In Section IV, Source Specific Applicable Requirements, add BAAQMD Regulation 8-5-604 to the General Asphalt Plant Requirements table.

Response: Added as requested, applicability of Regulation 8, Rule 5, can be determined in many cases by using Table 1 in the rule.

Page 8:

Comment 40: In Section IV, Source Specific Applicable Requirements, General Asphalt Plant Requirements table, delete SIP Regulation 8, Rule 5, all citations, because the current District Rule is in the SIP.

Response: Corrected as requested.

Comment 41: In Section IV, Source Specific Applicable Requirements, General Asphalt Plant Requirements table, add date to all citations of BAAQMD Regulation 8, Rule 28.

Response: Corrected as requested.

Comment 42: In Section IV, Source Specific Applicable Requirements, General Asphalt Plant Requirements table, delete SIP Regulation 8, Rule 28, and citation 8-28-302.

Response: The citation will be changed to the correct one: SIP 8-28-301.

Comment 43: In Section IV, Source Specific Applicable Requirements, General Asphalt Plant Requirements table, add various citations for the NESHAPS 40 CFR 61, Subpart FF.

Response: Added as requested, since they were omitted in error.

Page 9:

Comment 44: In Section IV, Source Specific Applicable Requirements, General Asphalt Plant Requirements table, add various citations for the NESHAPS 40 CFR 61, Subpart FF, since they were omitted in error.

Response: Added as requested.

Comment 45: In Section IV, Source Specific Applicable Requirements, , General Asphalt Plant Requirements table, delete the following citations: 40 CFR 61, Sections 345(a)(2), 356(d) through 61.356(j), 61.357(e), 61.357(f).

Response: The applicant has not presented a convincing argument for deleting these requirements; therefore they have not been deleted.

Comment 46: In the Section IV, Source Specific Applicable Requirements, general table for the asphalt plant, modify the citations of 40 CFR 63, National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart A, General Provisions.

Responses:

- a. 63.1(a)(6), Availability of Information, applies.
No argument supporting the change was made.
- b. 63.1(a)(13) and (14) were deleted from the standard.
The sections were deleted from the permit.
- c. 63.1(b)(2) was deleted from the standard.
The section was deleted from the permit.
- d. 63.1(c)(4) and (5) were deleted from the standard.
The sections were deleted from the permit.
- e. 63.4(a)(3) and (5) have been reserved in the new standard.
The sections were deleted from the permit.
- f. The title of 63.4(c) has been changed.
The title has been revised in the permit.
- g. Delete 63.5(a) since it is just a title.
The citation has been deleted as requested.
- h. 63.5(b)(5) has been reserved in the new standard.
The section was deleted from the permit.
- i. Revise description of 63.5(d)(1)(i)
The section title has been changed as a courtesy. The section would be made much more intelligible by adding 63.5(d)(1) and 63.5(d)(1)(iii), making all of 63.5(d)(1) applicable. These sections have also been added.
- j. The title of 63.5(d)(3) has changed.
The title has been revised in the permit.
- k. 63.6(c)(5) does not apply because the asphalt plant is not an area source.
The section has been removed from the permit.

- l. 63.8(f)(5)(ii), Requirements for application for minor changes has been added to the regulation.
The section has been added to the permit.
- m. The revised 63.8(f)(5)(ii) applies to the facility.
The section has been added.
- n. The revised 63.10(b)(2)(xi) applies to the facility.
The section has been added.

Comment 47: Change “refinery” to “Asphalt Plant” throughout the permit.

Response: The change has been made where appropriate. Refinery fuel gas has not been renamed since it is the same fuel, whether produced at the asphalt plant or the refinery. Since the asphalt plant and refinery are actually the same facilities with two permits, in certain cases it has not been changed or has been changed to “asphalt plant or refinery.” For example, the facility will not be allowed to use wastewater for dust control that is produced at the asphalt plant or refinery.

Page 10:

Comment 48: In Section IV, Source Specific Applicable Requirements, change the requirements in Table IV-A, General Asphalt Plant Requirements, so that Condition 1240.I.18a and 18j apply instead of all of Condition 1240.I.18.

Response: The District declines to make this change since the condition concerns calculations to ensure that the emissions of NMHC and NOx do not exceed the facility limit and this is a requirement that applies to the facility as a whole.

Comment 49: In Section IV, Source Specific Applicable Requirements, change all BAAQMD Regulation 8, Rule 5 citations to "federally enforceable."

Response: Corrected as requested.

Comment 50: In Section IV, Source Specific Applicable Requirements, delete SIP Regulation 8, Rule 5 and all related citations.

Response: Corrected as requested because the current District rule is now the SIP rule.

Comment 51: In Section IV, Source Specific Applicable Requirements, add subsection 8-5-303.3.1 to Section IV table for S1, Crude Storage Tank, S2, Crude Storage Tank, S4, Crude Oil Storage Tank and S23, Crude Storage Tank, showing that 8-5-303.3.2 does not apply.

Response: The District concurs that 8-5-303.3.2 does not apply to external floating roof tanks.

Comment 52: In Section IV, Source Specific Applicable Requirements, correct paragraph number in citation of BAAQMD Regulation 8-5-321.2 from 8-5-305.1 to 8-5-305.1.3 to Section IV table for S1, Crude Storage Tank, S2, Crude Storage Tank, S4, Crude Oil Storage Tank, and S23, Crude Storage Tank.

Response: Corrected as requested.

Page 11:

Comment 53: In Section IV, Source Specific Applicable Requirements, delete citation of BAAQMD 8-5-322.3 from Section IV table for S1, Crude Storage Tank, S2, Crude

Storage Tank, S4, Crude Oil Storage Tank, and S23, Crude Storage Tank, because 8-5-322.5 is more stringent.

Response: The citation has not been deleted because the requirement (BAAQMD 8-5-322.3) does not exclude these tanks. Since the requirements are not in conflict with each other, there is no problem in citing both. The specific requirements have also been added to the Section VII table for these tanks.

Comment 54: In Section IV, Source Specific Applicable Requirements, delete the following requirements from Table IV-B for S1, Crude Storage Tank, S2, Crude Storage Tank, S4, Crude Oil Storage Tank, and S23, Crude Oil Tanks: BAAQMD Regulations

8-5-502, 8-5-601, 8-5-602, 8-5-603, 8-5-603.1.2. Add 8-5-602 and 8-5-604 to Table IV-A.

Response: The District agrees that the above standards do not apply to the storage tanks and has deleted them: As suggested, 8-5-602 and 8-5-604 have been added to Table IV-A.

Comment 55: In Section IV, Source Specific Applicable Requirements, add the following citations from 40 CFR 60, Subpart Kb to the Section IV table for S1, Crude Storage Tank, S2, Crude Storage Tank, S4, Crude Oil Storage Tank, and S23, Crude Storage Tank: 40 CFR 60.113b(b)(1)(i) and (ii).

Response: The citations were added because they stipulate the frequency of gap measurements.

Page 12:

Comment 56: In Section IV, Source Specific Applicable Requirements, add the following citations from 40 CFR 63, Subpart CC for S1, Crude Storage Tank, S2, Crude Storage Tank, S4, Crude Oil Storage Tank, and S23, Crude Storage Tank: 40 CFR 63.640(c)(2) and 63.640(n)(8).

Response: The citations were added because they show the applicability path for the tanks.

Comments 57 and 58: In Section IV, Source Specific Applicable Requirements, switch citation of 40 CFR 60.116b(e)(3) for 40 CFR 60.116b(e)(2).

Response: Citations switched because 40 CFR 60.116b(e)(2) is the proper citation for crude oil, which these tanks contain.

Comment 59: In Section IV, Source Specific Applicable Requirements, delete the following requirements from Table IV-B for S1, S2, S4, and S23, Crude Oil Tanks: BAAQMD Regulations 8-5-111.4, 8-5-320.5, 8-5-320.6.

Response: BAAQMD Regulation 8-5-111.4 was deleted because it does not apply to tanks without vapor recovery systems. 8-5-320.5 was removed because the facility has declared that the tanks have no slotted wells or fixed projections. 8-5-320.6. was removed because the facility has declared that the tanks have no emergency roof drains.

Comment 60: In Section IV, Source Specific Applicable Requirements, change description of “cleaning” to “degassing” in all citations of BAAQMD Regulation 8-5-328.

Response: Corrected as requested.

Comment 61: In Section IV, Source Specific Applicable Requirements, add BAAQMD Regulation 8-5-328.1 to Section IV tables for S1, Crude Storage Tank, S2, Crude Storage Tank, S4, Crude Oil Storage Tank, S9, Naphtha Storage Tank, S13, Kerosene Tank, S23, Crude Storage Tank, S59, Gas Oil Fixed Roof Storage Tank, and S63, KERO/LVGO/Asphalt Tank.

Response: The tanks have a citation for BAAQMD Regulation 8-5-328.1.2, which is sufficient.

Page 13:

Comment 62: In Section IV, Source Specific Applicable Requirements, for all citations of BAAQMD Regulation 8-5-328.1.2, change the description from “Concentration of < 10,000 ppm as methane after cleaning” to “Organic concentration in tank of < 10,000 ppm as methane after degassing.”

Response: The wording will be changed to “Concentration of organic compounds in tank of < 10,000 ppm as methane after degassing.”

Comment 63: In Section IV, Source Specific Applicable Requirements, delete citations from 40 CFR 63, Subpart CC because the following tanks are subject to 40 CFR 60, Subpart Kb, which supercedes 40 CFR 63, Subpart CC: S3, Gas Oil Storage Tank; S5, Asphalt Storage Tank; S8, Asphalt Storage Tank; S37, Rubberized Asphalt Sales Tank; S38, Rubberized Asphalt Sales Tank; S51, Sales Tank – Asphalt Liquid; S53, Sales Tank – Asphalt Liquid; S60, Asphalt Tank; S62, Asphalt Tank; and S65, Asphalt Tank.

Response: The above tanks are not subject to 40 CFR 60, Subpart Kb because they contain organic liquids with a true vapor pressure below 0.5 psia.

Comment 64: In Section IV, Source Specific Applicable Requirements, add citations from 40 CFR 63, Subpart CC that indicate that the following tanks are subject to 40 CFR 60, Subpart Kb: S3, Gas Oil Storage Tank; S5, Asphalt Storage Tank; S8, Asphalt Storage Tank; S37, Rubberized Asphalt Sales Tank; S38, Rubberized Asphalt Sales Tank; S51, Sales Tank – Asphalt Liquid; S53, Sales Tank – Asphalt Liquid; S60, Asphalt Tank; S62, Asphalt Tank; S3, Gas Oil Storage Tank; and S65, Asphalt Tank.

Response: As stated in the response to comment 63, the above tank S3, Gas Oil Storage Tank, is not subject to 40 CFR 60, Subpart Kb because they contain organic liquids with a true vapor pressure below 0.5 psia.

Page 14:

Comment 65: In Section IV, Source Specific Applicable Requirements, add requirements from 40 CFR 60, Subpart Kb for the following tanks: S3, Gas Oil Storage Tank; S5, Asphalt Storage Tank; S8, Asphalt Storage Tank; S37, Rubberized Asphalt Sales Tank; S38, Rubberized Asphalt Sales Tank; S51, Sales Tank – Asphalt Liquid; S53, Sales Tank – Asphalt Liquid; S60, Asphalt Tank; S62, Asphalt Tank; and S65, Asphalt Tank.

Response: See comments 63 and 64.

Comment 66: In Section IV, Source Specific Applicable Requirements, explain correction to basis for permit condition 1240, II.58b in Section IV tables for the following tanks: S3, Gas Oil Storage Tank; S5, Asphalt Storage Tank; S8, Asphalt Storage Tank; S37, Rubberized Asphalt Sales Tank; S38, Rubberized Asphalt Sales Tank; S51, Sales Tank – Asphalt Liquid; S53, Sales Tank – Asphalt Liquid; S60, Asphalt Tank; S62, Asphalt Tank; and S65, Asphalt Tank.

Response: The permit is correct. The omission in the statement of basis is insignificant.

Comment 67: In Section IV, Source Specific Applicable Requirements, delete temperature excursion language in Condition 1240.II.58c-e from the Section IV tables for the following asphalt tanks: S5, Asphalt Storage Tank – S37, Rubberized Asphalt Sales Tank; S38, Rubberized Asphalt Sales Tank; S51, Sales Tank – Asphalt Liquid - S53, Sales Tank – Asphalt Liquid; S60, Asphalt Tank - S62, Asphalt Tank; S65, Asphalt Tank; and S70, Asphalt Additive Mixing Tank.

Response: Deleted because they only apply to the abatement devices.

Page 15:

Comment 68: In Section IV, Source Specific Applicable Requirements, since BAAQMD Regulation 8-5-305.1 does not apply to the internal floating roof tank, S9, Naphtha Storage Tank, more detail must be provided by adding Sections 8-5-305.2 to 8-5-305.5.

Response: The District concurs and has made the correction.

Comment 69: In Section IV, Source Specific Applicable Requirements, delete BAAQMD Regulations 8-5-320.2.1, 8-5-302.2.2, and 8-5-302.2.3 from Section IV table for S9, Naphtha Storage Tank.

Response: Deleted because they no longer exist in the revised rule.

Comment 70: In Section IV, Source Specific Applicable Requirements, delete subsections of Regulations 8-5-320.4 and 8-5-405 from Section IV table for S9, Naphtha Storage Tank.

Response: Non-substantive comment. No change.

Comment 71: In Section IV, Source Specific Applicable Requirements, add BAAQMD Regulations 8-5-322.6 to Section IV table for S9, Naphtha Storage Tank.

Response: Corrected as requested.

Comment 72: In Section IV, Source Specific Applicable Requirements, correct title of 40 CFR 60.112b(a)(1) in table for S9, Naphtha Storage Tank.

Response: The title has been changed to “Fixed roof in combination with an internal floating roof”, as stated in the regulation.

Comment 73: In Section IV, Source Specific Applicable Requirements, add the following citation in the table for S9, Naphtha Storage Tank, from 40 CFR 63, Subpart CC: 40 CFR 63.640(c)(2).

Response: The citation was added because it shows the applicability path for the tank.

Comment 74: In Section IV, Source Specific Applicable Requirements, do not delete 40 CFR 63.640(n)(8)(ii) from the Section IV table for S9, Naphtha Storage Tank.

Response: Re-inserted because it has alternate requirements for tanks with unsound roofs.

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Comment 75: In Section IV, Source Specific Applicable Requirements, add the following citations to sources S12, Wastewater Tank; S25, Effluent Water Feed Tank; S26, Wastewater Oil Tank, and S28, Effluent Feed-Water Tank: 40 CFR 63.640(c)(3), 63.647(a), 63.647(c), and 63.654(a) to show applicability path of 40 CFR 61, Subpart FF for these sources.

Response: The sections have been added as a courtesy. Note that the District does not consider it necessary to add applicability to the permit. Instead, only the substantive applicable requirements are necessary.

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Comment 76: In Section IV, Source Specific Applicable Requirements, add the following citations to sources S12, Wastewater Tank; S25, Effluent Water Feed Tank; S28, Effluent Water Feed Tank; and S67, Recovered Oil Tank: 40 CFR 61.340(a), 61.349(c)(2), 61.355(i), and 61.356(f)(3) to complete applicability path.

Response: 40 CFR 61.340(a) has been added. The applicant has requested inclusion of 40 CFR 61.349(c)(2). In Comment 77, the applicant asks for deletion of 40 CFR 61.349(c)(1). These methods of determining compliance will be switched. 40 CFR 61.355(i) and 61.356(f)(3) were added since they are clearly applicable requirements for testing and recordkeeping.

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Comment 77: In the Section IV, Source Specific Applicable Requirements, tables for S12, Wastewater Tank; S25, Effluent Water Feed Tank; S28, Effluent Water Feed Tank; and S67, Recovered Oil Tank, delete various citations from 40 CFR 61, Subpart FF, that apply solely to the abatement devices or to components, since these are in the tables for those sources. Delete reporting, since reporting is site-wide. Delete 61.356(f)(2) because the facility doesn't use the method in this section.

Response: 40 CFR 61.349(c)(1) was replaced by 40 CFR 61.349(c)(2), as explained in the response to Comment 76. 40 CFR 61.356(a) will remain because some recordkeeping requirements will remain. 40 CFR 61.356(d) and 40 CFR 61.356(f) will be deleted because they apply solely to the abatement devices. These citations are in the A31, Thermal Oxidizer, table. They will be added to the S24, Hot Oil Heater, table, since it is the alternate abatement device. 40 CFR 61.356(h) will not be deleted because it pertains directly to the equipment. The citations from 40 CFR 61.356(d)(7) have been removed because they pertain directly to the control devices. These citations are in the A31 table. They will be added to the S24 table.

Comment 78: In Section IV, Source Specific Applicable Requirements, add citations for pressure-relief valves at the following fixed roof tanks in Section IV tables: S13, Kerosene Tank; S27, Recovered Oil Tank; S59, Gas Oil Fixed Roof Storage Tank; S63, KERO/LVGO/Asphalt Tank; and S67, Recovered Oil Tank.

Response: Added as requested.

Comment 79: In Section IV, Source Specific Applicable Requirements, delete BAAQMD Regulation 8-5-111.3 from Section IV tables for Sources S13, Kerosene

Tank; S27, Recovered Oil Tank; S59, Gas Oil Fixed Roof Storage Tank; S63, KERO/LVGO/Asphalt Tank; and S67, Recovered Oil Tank.

Response: Deleted because it does not apply to fixed roof tanks.

Comment 80: In Section IV, Source Specific Applicable Requirements, delete citations of BAAQMD Regulation 8-5-329.

Response: The citations have been deleted because the citation has been deleted from the rule.

Comment 81: In the Section IV, Source Specific Applicable Requirements, tables for S13, Kerosene Tank; S27, Recovered Oil Tank; S59, Gas Oil Fixed Roof Storage Tank; S63, KERO/LVGO/Asphalt Tank; and S67, Recovered Oil Tank, change BAAQMD Regulation 8-5-311.3 to 8-5-306 in Tables IV-G, IV-S, IV-AD, IV-AF, and IV-AI.

Response: Changed as requested due to change in regulations.

Comment 82: In Section IV, Source Specific Applicable Requirements, add 40 CFR 60.112b(a)(3) to Section IV tables for S13, Kerosene Tank; and S59, Gas Oil Fixed Roof Storage Tank.

Response: The requirements are contained in the subsections (60.112b(a)(3)(i) and (ii)). Nonetheless, added as requested.

Comment 83: In the Section IV, Source Specific Applicable Requirements, tables for S13, Kerosene Tank; S59, Gas Oil Fixed Roof Storage Tank; and S63, KERO/LVGO/Asphalt Tank; add the following citations to show the 40 CFR 63, Subpart CC, applicability path for these sources.

Response: These additions are not necessary but will be added as a courtesy.

Comment 84: In Section IV, Source Specific Applicable Requirements, add permit condition 1240.II.31a to Section IV tables for S13, Kerosene Tank; S59, Gas Oil Fixed Roof Storage Tank; and S63, KERO/LVGO/Asphalt Tank, inadvertently omitted. Also, alter description of permit condition 1240.II.64a in Section IV table for S15, Truck Loading Racks – Gas Oil.

Response: Added and altered as requested.

Comment 85: In Section IV, Source Specific Applicable Requirements, change BAAQMD Regulation 8-5-311.3 to 8-5-306 in reference to permit condition 1240.II.32a in the table for S13, Kerosene Tank

Response: Changed as requested due to change in regulations.

Comment 86: In Section IV, Source Specific Applicable Requirements, add BAAQMD Regulations 8-6-502, Portable Hydrocarbon Detector, and 8-6-601, Efficiency and Rate Determination, to the Section IV tables for the loading racks: S14, Truck Loading Racks – Naphtha; and S15, Truck Loading Racks – Gas Oil; and S31, Rail Car Asphalt and Gas Oil Loading Rack.

Response: The content of 8-6-601 is found in Section VIII, Test Methods. 8-6-502 will be added to the loading racks that are subject to BAAQMD Regulation 8, Rule 6 because they are subject to BAAQMD Regulation 8-6-306, Equipment Maintenance.

Comment 87: In Section IV, Source Specific Applicable Requirements, delete temperature excursion conditions (conditions 1240.I.19a, 19b, and 19c) from S14, Truck Loading Racks – Naphtha; and S15, Truck Loading Racks – Gas Oil; S17, Truck Loading Racks – Asphalt; Loading Rack tables.

Response: Since they are listed in the Section IV table for the abatement device, they have been deleted from Loading Rack tables.

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Comment 88: In Section IV, Source Specific Applicable Requirements, change the Description of S16, Truck Loading Racks Kerosene or Distillate Oil, in Section IV table from “S16, Truck Loading Racks, Kerosene or Distillate Oil” to “S16, Truck Loading Racks, Heavy Vacuum Gas Oil.”

Response: The source has historically been described as loading kerosene or distillate oil. The applicant has not submitted documentation to determine whether heavy vacuum gas oil is substantially equivalent to kerosene or distillate oil. The District invites the applicant to submit such documentation at a later date or to submit a permit application for the change.

Comment 89: In Section IV, Source Specific Applicable Requirements, add citation of exemption and other section from Regulation 8, Rule 6, Organic Liquid Bulk Terminals and Bulk Plants, to Section IV tables for S16, Truck Loading Racks Kerosene or Distillate Oil, and S17, Truck Loading Racks - Asphalt.

Response: The District does not generally cite exemptions in Title V permits unless the exemption allows some necessary maintenance or adds an additional limit.

Comment 90: In Section IV, Source Specific Applicable Requirements, delete “Loading Rack” from name of A4, Thermal Oxidizer, in citation in Section IV table for S17, Truck Loading Racks - Asphalt.

Response: Corrected as requested.

Comment 91: In Section IV, Source Specific Applicable Requirements, document change from 63.644(a)(3) “Boiler or process heater < 44 MW” to 63.644(a)(3) “Boiler or process heater > 44 MW”.

Response: The permit has been changed to read: "boiler or process heater in which vent streams are introduced into the flame zone." The abatement device, S19, Vacuum Heater, is not a device > than 44 MW, which is about 150 MMbtu/hr.

Comment 92: In Section IV, Source Specific Applicable Requirements, split the citation of Condition 1240, I.16 into two parts in the Section IV tables for S18, Crude Unit, and S19, Vacuum Heater, to correspond to parts 16a and 16b in the condition.

Response: The entire condition doesn't apply to S18 so only the POC testing will be cited for S18. Both parts will be cited for S19.

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Comment 93: In Section IV, Source Specific Applicable Requirements, for sources S18, Crude Unit, and S19, Vacuum Heater, add BAAQMD Condition 1240, part I.17 to conform with BAAQMD Application 7123.

Response: Corrected as requested.

Comment 94: In Section IV, Source Specific Applicable Requirements, document changes to citations of BAAQMD Regulation 1-523 and 1-602.

Response: These changes were explained generally in the Statement of Basis.

Comment 95: In Section IV, Source Specific Applicable Requirements, add “BACT” to basis in citations to Section IV tables for Condition 1240, parts I.5b, I.5c, and I.8.

Response: Corrected as requested.

Comment 96: In Section IV, Source Specific Applicable Requirements, change name of “refinery fuel gas” to “asphalt plant fuel gas” in citation of Condition 1240, parts I.11 and I.12 for Source S19, Vacuum Heater, in Section IV.

Response: The original text of the condition said “refinery process gas.” The District agrees to change the name to “asphalt plant’s refinery process gas.” The citation will be changed in the Section IV table for S19. Changes in these permit conditions must be made carefully so that an increase in cumulative increase is not inadvertently allowed. For this reason, concurrently with the requested changes, Condition 1240, I.5 has been modified to only allow refinery fuel gas that is produced at the asphalt plant to be burned at the facility. This limitation is implied in the original asphalt plant conditions, because it was originally a separate plant with separate ownership. If the owner/operator wishes to burn refinery fuel gas that is produced at the main refinery in the future, the owner/operator will have to apply for the modification.

Comment 97: In Section IV, Source Specific Applicable Requirements, document removal of S19, Vacuum Heater, from Conditions 1240, parts I.19, I.60, and I.63.

Response: This document is a public document and will serve as documentation why S19 was removed from the above conditions.

- S19 was removed from Conditions 1240, parts I.19 because the NESHAPS 40 CFR 63, Subpart CC, does not require a temperature monitor.
- S19 was removed from Conditions 1240, parts I.60, and I.63 because S14, Truck Loading Racks - Naphtha, and S15, Truck Loading Racks – Gas Oil, are not controlled by S19.

Comment 98: In Section IV, Source Specific Applicable Requirements, delete Conditions 1240, parts I.60, and I.63 from Section IV table for S19, Vacuum Heater.

Response: Deleted because S14, Truck Loading Racks - Naphtha, and S15, Truck Loading Racks – Gas Oil, are not controlled by S19.

Comment 99: In the Section IV, Source Specific Applicable Requirements, table for S19, Vacuum Heater, make a change based on proposed changes to BAAQMD Condition 20617 regarding monitoring for BAAQMD Regulation 9, Rule 10.

Response: See response to Comments 100-103.

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Comments 100-103: In the Section IV, Source Specific Applicable Requirements, tables for sources S19, Vacuum Heater; S20, Steam Boiler; and S24, Hot Oil Heater, make various changes based on proposed changes to BAAQMD Condition 20617 regarding monitoring for BAAQMD Regulation 9, Rule 10.

Response: The monitoring condition will be given a future effective date of June 1, 2004. Changes will be considered in the first revision to the Title V permit.

Comment 104: In Section IV, Source Specific Applicable Requirements, correct basis for Condition 19329, Part 1 to correspond with condition text.

Response: Corrected as requested.

Comment 105a: In Section IV, Source Specific Applicable Requirements, change all citations of Regulation 9, Rule 10, to “federally enforceable.”

Response: The District declines to make this change because only part of the rule has been submitted for approval into the SIP. See detail of approval at EPA’s website at: <http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=4.1>

Comment 105b: In Section IV, Source Specific Applicable Requirements, add citation of Regulation 9-10-504.1 under 9-10-504 to show that 9-10-504.2 does not apply.

Response: Added as requested.

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Comment 106: In Section IV, Source Specific Applicable Requirements, delete references to SIP Regulation 9, Rule 10 from Section IV.

Response: The references will not be deleted because there are differences between the District regulation and the SIP regulation. See response to Comment 104.

Comment 107: In Section IV, Source Specific Applicable Requirements, change citation of Condition 1240, part I.5 to say “asphalt plant combustion units,” not “refinery combustion units.”

Response: Change made as requested.

Comment 108: In Section IV, Source Specific Applicable Requirements, add citations from Condition 20617 to Section IV tables for S20, Steam Boiler, and S21, Steam Boiler, omitted in error.

Response: Corrected as requested.

Comment 109: In Section IV, Source Specific Applicable Requirements, delete 8-5-311, Vapor Loss Control Requirements, from Tables IV-P and IV-AP for A31, Thermal Oxidizer, and S24, Hot Oil Heater, and add 8-5-301, Storage Tank Control Requirements, and 8-5-306, Requirements for Approved Emission Control Systems.

Response: Changed 8-5-311 to 8-5-306 as requested because Regulation 8, Rule 5 was amended on 11/27/02. Decline to add 8-5-301 since it is a requirement that applies only to the tanks.

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Comment 110: In the Section IV, Source Specific Applicable Requirements, tables for S24, Hot Oil Heater, and A31, Thermal Oxidizer, add the following citations from Regulation 8, Rule 8, Wastewater (Oil-Water) Separators: 8-8-301.3 and 8-8-307.2.

Response: The citations have been added because they are control efficiency requirements for sources that are abated by these devices. These standards have also been added to the Section VIII, Test Methods.

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Comment 111: In the Section IV, Source Specific Applicable Requirements, table for S24, Hot Oil Heater, add various citations from 40 CFR 61, Subpart FF.

Response: The citations were added as requested, since the device abates wastewater systems.

Comment 112: In Section IV, Source Specific Applicable Requirements, change BAAQMD Regulation 8-5-311.3 to 8-5-306 in reference to permit condition 1240.II.32a, 32b, and 32c in tables for sources S24, Hot Oil Heater, and A31, Thermal Incinerator.

Response: Changed as requested due to change in regulations.

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Comment 113: In the Section IV, Source Specific Applicable Requirements, for S24, Hot Oil Heater, add citations for BAAQMD Regulation 8, Rule 6, Organic Liquid Bulk Terminals and Bulk Plants.

Response: The citations were not added because S24 does not control any sources that are subject to the rule.

Comment 114: In Section IV, Source Specific Applicable Requirements, change all citations of Regulation 9, Rule 10, to “federally enforceable.”

Response: The District declines to make this change because only part of the rule has been submitted for approval into the SIP. See detail of approval at EPA’s website at: <http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=4.1>

Comment 115: In Section IV, Source Specific Applicable Requirements, add Condition 1240, parts II.10, II.67, and II.70 to the Section IV table for S24, Hot Oil Heater.

Response: Added because S24, as well as A31, Thermal Oxidizer, controls S25, Effluent Water Feed Tank, and S54, Asphalt Loading Rack.

Comment 116: In Section IV, Source Specific Applicable Requirements, add Condition 1240, parts II.32d, II.53, and II.86 to the Section IV table for S24, Hot Oil Heater.

Response: Added to the Section IV table for S24 since omitted in error. Since these are requirements for fugitive emissions at vapor recovery devices, these citations were also added to the Section IV and VII tables for “Components.” The emission limits have not been added to the Section VII table for S24 since all fugitive monitoring takes place at the component level.

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Comment 117: In Section IV, Source Specific Applicable Requirements, add the source controlled to the following citations in the Section IV table for S24, Hot Oil Heater: Condition 1240, parts II.43, II.44, II.55, II.56, II.57, and II.85

Response: See response to comment A.168. No change made.

Comment 118: In Section IV, Source Specific Applicable Requirements, did not document addition of basis in Statement of Basis for Condition 1240, V.1.

Response: The basis for the condition is “Cumulative Increase,” since it is not a BACT condition. This means that the limit is the result of previous permitting. Since the facility was built in 1984, there are no grandfathered sources. This explanation serves as documentation of the addition.

Comment 119: In Section IV, Source Specific Applicable Requirements, S24, Hot Oil Heater, and S25, Effluent Water Feed Tank, share a common table in Section IV, but Condition 1240, II.10 applies only to S25.

Response: S24 and S25 will each be given a table in Section IV.

Comment 120: In Section IV, Source Specific Applicable Requirements, change date of BAAQMD Regulation 8, Rule 5 in Section IV tables for S26, Wastewater Oil Tank; S61, Asphalt Tank; and S62, Asphalt Tank.

Response: Corrected as requested.

Comment 121: In Section IV, Source Specific Applicable Requirements, change Section IV tables for S26, Wastewater Tank, and S27, Recovered Oil Tank, to allow abatement by Thermal Oxidizer or Process Heater as well as Carbon.

Response: This type of change cannot be made through the Title V process. The owner/operator must submit an application for pre-construction review.

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Comment 122: In the Section IV, Source Specific Applicable Requirements, tables for Add S26, Wastewater Oil Tank, and S27, Recovered Oil Tank, add various citations from 40 CFR 61, Subpart FF.

Response: 40 CFR 61, Sections 349(a)(2)(i), 349(a)(2)(i)(A), 354(c)(1), 354(c)(4), 356(j)(4), and 356(j)(6) were not added because these requirements refer to combustion devices and the facility does not have a permit to control these sources with a combustion device. 40 CFR 61, Sections 349(c)(2), 355(i), and 356(f)(3) have been added because they pertain to performance tests.

Comment 123: In the Section IV, Source Specific Applicable Requirements, tables for S26, Wastewater Oil Tank, and S27, Recovered Oil Tank, delete various citations from 40 CFR 61, Subpart FF.

Response: The recordkeeping requirements, Sections 356(a), (d), and (h), and the reporting requirements, Sections 357(d)(7), (d)(7)(iv), and (d)(7)(iv)(I) were not deleted because the carbon canisters, A21-A24, do not have separate Section IV tables and therefore, the source tables are the only places where these requirements will appear.

Comment 124: In Section IV, Source Specific Applicable Requirements, delete tank degassing citation (BAAQMD Regulation 328.1.2) from Section IV tables for S27, Recovered Oil Tank, and S67, Recovered Oil Tank.

Response: Citation deleted because requirement applies to tanks larger than 75 cubic meters.

Comment 125: In Section IV, Source Specific Applicable Requirements, change description of BAAQMD Regulation 8-5-328 from “cleaning” to “degassing” in Section IV tables for S27, Recovered Oil Tank, and S67, Recovered Oil Tank.

Response: Corrected as requested.

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Comment 126a: In Section IV, Source Specific Applicable Requirements, change NESHAPS Part 63 Subpart Y to 40 CFR 63 Subpart Y.

Response: Change for consistency in citations.

Comment 126b: In Section IV, Source Specific Applicable Requirements, delete “Y” from header row for NESHAPS Part 63 Subpart Y.

Response: Deleted because the entire standard does not apply.

Comment 127: In Section IV, Source Specific Applicable Requirements, did not change basis for Condition 1240, parts III.7 and III.8 in Section IV table for S30, Marine Loading Dock.

Response: See response to Comment 186.

Comment 128: In Section IV, Source Specific Applicable Requirements, add Condition 1240, part I.14 to Section IV table for S31, Rail Car Asphalt and Gas Oil Loading Rack, omitted in error.

Response: Corrected as requested.

Comment 129: In Section IV, Source Specific Applicable Requirements, delete Table IV-W in its entirety because S32 no longer exists.

Response: The owner/operator states that S32 was removed from the facility in 1999. Therefore, the table has been deleted.

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Comment 130: In Section IV, Source Specific Applicable Requirements, add requirements from 40 CFR 63, Subpart CC, for sources S39, Lube Oil Tank, and S40, Latex Storage Tank.

Response: S39 is a lube oil tank. S40 is a latex storage tank. If both tanks contain the materials that they are allowed to contain, they should not be subject to 40 CFR 63, Subpart CC. The owner/operator should submit an application for pre-construction review before these tanks are converted to another use.

Comment 131: In the Section IV, Source Specific Applicable Requirements, table for S41, Wemco Hydrocleaner, add BAAQMD Regulation 8-8-602, Determination of Emissions.

Response: The District has not added the section because it is not an applicable requirement. If a rule requires periodic testing, then the section is included. A reference has been added for information purposes to Section VIII, Test Methods.

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Comment 132: In the Section IV, Source Specific Applicable Requirements, tables for S41, Wemco Hydrocleaner, and S66, Oil Water Separator, add various citations for the NESHAPS 40 CFR 61, Subpart FF.

Response: Corrected as requested.

Comment 133: In the Section IV, Source Specific Applicable Requirements, tables for S41, Wemco Hydrocleaner, and S66, Oil Water Separator, delete the following citations for the NESHAPS 40 CFR 61, Subpart FF: 61.349(c)(1) and 61.356(d).

Response: Section 349(c)(1) has been exchanged for section 349(c)(2). Section 61.356(d) has been deleted because it applies only to the abatement device.

Comment 134: In the Section IV, Source Specific Applicable Requirements, tables for S41, Wemco Hydrocleaner, and S66, Oil Water Separator, add the following citations from BAAQMD Regulation 8, Rule 8, Wastewater (Oil-Water) Separators: 8-8-114 and 8-8-601.

Response: The citations for bypassed influent have been added to the permit. The citations have also been added to Section VIII, Test Methods.

Comment 135: In the Section IV, Source Specific Applicable Requirements, tables for S41, Wemco Hydrocleaner, and S66, Oil Water Separator, delete the following inspection and repair requirements from BAAQMD Regulation 8, Rule 8, Wastewater (Oil-Water) Separators: 8-8-503 and 8-8-603

Response: Requirements deleted because the vapor recovery requirements apply instead of these requirements.

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Comment 136: In the Section IV, Source Specific Applicable Requirements, table for S51, Sales Tank – Asphalt Liquid and S53, Sales Tank – Asphalt Liquid, delete “NSPS” from the basis for the citation of Condition 1240, part II.50.

Response: Corrected as requested.

Comment 137: In the Section IV, Source Specific Applicable Requirements, table for S54, Asphalt Loading Rack, add “Y” to the citations of BAAQMD Regulation 8, Rule 8 in the “Federally Enforceable” column.

Response: Corrected as requested.

Comment 138: In the Section IV, Source Specific Applicable Requirements, tables for S59, Gas Oil Fixed Roof Storage Tank, and S63, KERO/LVGO/Asphalt Tank, delete the following citation: 40 CFR 60.112b(b)(1).

Response: Deleted because it only applies to tanks that hold liquids over 11 psia.

Comment 139: In the Section IV, Source Specific Applicable Requirements, table for S59, Gas Oil Fixed Roof Storage Tank, change BAAQMD Regulation 8-5-311.3 to 8-5-306 in reference to permit condition 1240.II.32b in Table IV-AD.

Response: Changed as requested due to change in regulations.

Comment 140: In the Section IV, Source Specific Applicable Requirements, table for S63, KERO/LVGO/Asphalt Tank, change BAAQMD Regulation 8-5-311.3 to 8-5-306 in reference to permit condition 1240.II.32c in Table IV-AF.

Response: Changed as requested due to change in regulations.

Comment 141: In the Section IV, Source Specific Applicable Requirements, table for S63, KERO/LVGO/Asphalt Tank, add Condition 1240, part II.32d.

Response: Omission corrected as requested.

Comment 142: In the Section IV, Source Specific Applicable Requirements, table for S67, Recovered Oil Tank, add various requirements from 40 CFR 61, Subpart FF.

Response: Added as requested

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Comment 143: In the Section IV, Source Specific Applicable Requirements, table for S67, Recovered Oil Tank, delete various citations from 40 CFR 61, Subpart FF, that apply solely to the abatement devices or to components, since these are in the tables for those sources. Delete reporting, since reporting is site-wide. Delete 61.356(f)(2) because the facility doesn't use the method in this section.

Response: See response to Comment 77.

Comment 144: In Section IV, Source Specific Applicable Requirements, delete Condition 1240, part I.5 from Section IV table for S68, Emergency Diesel-Powered Fire Pump.

Response: Citation deleted because the Emergency Diesel-Fired Fire Pump is specifically excluded from the condition.

Comment 145: In Section IV, Source Specific Applicable Requirements, delete all citations from 40 CFR 63 Subpart CC from Section IV table for S70, Asphalt Additive Mixing Tank, due to its size.

Response: The applicant has not supplied a citation for the exemption. The District has not been able to find it either; therefore the citations have not been deleted.

Comment 146: In Section IV, Source Specific Applicable Requirements, add "Y" to "Federal Enforceability" column in table for S70, Asphalt Additive Mixing Tank.

Response: Corrected as requested.

Comment 147: In Section IV, Source Specific Applicable Requirements, change the term "refinery" to "asphalt plant" in the introduction to the "Fugitive Sources" table.

Response: Changed as requested to distinguish between the asphalt plant and the main refinery.

Comment 148: In Section IV, Source Specific Applicable Requirements, add S67, Recovered Oil Tank, to third line of "Fugitive Sources" table.

Response: Added as requested to list of sources that are subject to BAAQMD Regulation 8, Rules 18 and 28; 40 CFR 60, Subpart QQQ; and 40 CFR 61, Subpart FF.

Comment 149: In Section IV, Source Specific Applicable Requirements, remove the line for S32 from "Components" table.

Response: The owner/operator states that S32 was removed from the facility in 1999. Therefore, the source has been deleted.

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Comment 150: In Section IV, Source Specific Applicable Requirements, change name of S16, Truck Loading Racks Kerosene or Distillate Oil, to "Truck Loading Racks-Heavy Vacuum Gas Oil" in the "Fugitive Sources" table.

Response: The source has historically been described as loading kerosene or distillate oil. The applicant has not submitted documentation to determine whether heavy vacuum gas oil is substantially equivalent to kerosene or distillate oil. The District invites the applicant to submit such documentation at a later date or to submit a permit application for the change.

Comment 151: In Section IV, Source Specific Applicable Requirements, change “Federal Enforceability” column to “N” for BAAQMD Regulation 8, Rule 18 in the Section IV table for “Components.”

Response: This rule is now federally enforceable because EPA approved it into the SIP on June 5, 2003. The date on the rule has been changed to November 27, 2002, and all applicable sections have been changed to “federally enforceable.” Also, the citation of BAAQMD Regulation 8-18-305 in the Section VII table for “Components” has been changed to “federally enforceable.”

Comment 152: In Section IV, Source Specific Applicable Requirements, delete “Y” from federal enforceability column for citation of BAAQMD Regulation 8, Rule 28, in Section IV table for “Components.”

Response: Deleted because the entire rule does not apply.

Comment 153: In Section IV, Source Specific Applicable Requirements, change citation of “NSPS Part 60” to “40 CFR 60” in Section IV table for “Components.”

Response: Changed for consistency.

Comment 154: In the Section IV, Source Specific Applicable Requirements, table for “Components”, add the following citations from 40 CFR 61, Subpart FF: Sections 61.355(h) and 61.356(h). Delete these sections from all other sources.

Response: The citations have been added to the components table but have not been deleted from the source tables because they apply to the sources.

Comment 155: In Section IV, Source Specific Applicable Requirements, change citation of “NESHAP Part 63” to “40 CFR 63” in Section IV table for “Components.” Add date of 8/18/95.

Response: Changed for consistency.

Comment 156: In Section IV, Source Specific Applicable Requirements, add header for Condition 1240 in table for “Components.”

Response: Header has standard format.

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Comment 157: In Section IV, Source Specific Applicable Requirements, add Condition 1240, parts I.18 and I.18a regarding monitoring for VOC emissions to table for “Components.”

Response: Added as requested.

Comment 158: In Section IV, Source Specific Applicable Requirements, add Condition 1240, parts II.59, II.62, and II.65 regarding control of S14, Truck Loading Racks – Naphtha; S15, Truck Loading Racks – Gas Oil; and S17, Truck Loading Racks – Asphalt, to Section IV table for A4, Thermal Oxidizer.

Response: Added because A4 controls S14, S15, and S17.

Comment 159: In Section IV, Source Specific Applicable Requirements, add the source controlled to the following citations in the Section IV table for A4, Thermal Oxidizer: Condition 1240, parts II.6, II.60, II.63, and II.68.

Response: See response to comment A.168. No change made.

Comment 160: In Section IV, Source Specific Applicable Requirements, delete Condition 1240, parts II.32a, II.32b, II.32c from the Section IV table for A4, Thermal Oxidizer, because the permit condition does not refer to A4, Thermal Oxidizer.
Response: Deleted as requested.

Comment 161: In Section IV, Source Specific Applicable Requirements, did not add BAAQMD Regulation 1-107 to the Section IV table for A31, Thermal Oxidizer, as stated in the Statement of Basis.
Response: Added as requested.

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Comment 162: In Section IV, Source Specific Applicable Requirements, delete “Y” from federal enforceability column for citation of BAAQMD 40 CFR 61 Subpart FF in Section IV table for A31, Thermal Oxidizer.
Response: Deleted because the entire rule does not apply.

Comment 163: In the Section IV, Source Specific Applicable Requirements, table for A31, Thermal Oxidizer, add various citations from 40 CFR 61, Subpart FF.
Response: Added as requested.

Comment 164: In the Section IV, Source Specific Applicable Requirements, table for A31, Thermal Oxidizer, delete various citations from 40 CFR 61, Subpart FF.
Response: Section 61.356(f)(2) and the subordinate sections have been deleted because performance tests and not engineering calculations are used to determine compliance. Section 61.349(c)(2) has been switched for 61.349(c)(1) for the same reason. Sections 357(d)(7), 357(d)(7)(iv), and 357(d)(7)(iv)(A) have not been deleted because they apply to the incinerator.

Comment 165: In Section IV, Source Specific Applicable Requirements, delete Condition 1240, parts I.19 from the Section IV table for A4, Thermal Oxidizer, because the permit condition does not refer to A4.
Response: Deleted as requested.

Comment 166: In the Section IV, Source Specific Applicable Requirements, table for A31, Thermal Incinerator, add the following conditions: BAAQMD Condition 1240, parts II.10, II.66, and II.67.
Response: Correction made as requested, since conditions refer to control by A31.

Page 36:

Comment 167: In the Section IV, Source Specific Applicable Requirements, table for A31, Thermal Incinerator, add the following conditions: BAAQMD Condition 1240, parts II.32d, II.44, II.53, and II.67.
Response: Correction made as requested, since conditions refer to control by A31.

Comment 168: In Section IV, Source Specific Applicable Requirements, change condition citations of Condition 1240, parts II.32a, 43, 55, 56, 57, 69, 70, and 85 in Section IV table for A31, Thermal Oxidizer, so that the destruction efficiency requirement applies only for the particular source that is abated at A31, or S24, Hot Oil Heater.

Response: Since it is not possible to distinguish between the emissions of one source from another at A31 and S24, the abatement devices are subject to the 98.5% standard at all times unless no device with that standard is being controlled by the abatement devices. This is the reason that these abatement devices are subject to BAAQMD Regulation

1-107, which reads:

Combination of Emissions: Where air contaminants from two or more sources are combined prior to emission and there are no adequate and reliable means to establish the nature, extent and quantity of emission from each source, District Regulations shall be applied to the combined emission as if it originated in a single source. Such emissions shall be subject to the most stringent limitations and requirements of District Regulations applicable to any of the sources whose air contaminants are so combined.

Comment 169: In Section VI, Permit Conditions, change “refinery” to “asphalt plant” in the 3rd, 4th, and 5th paragraphs in the introduction to the permit conditions.

Response: This change has been made to make it easier to distinguish between the asphalt plant requirements and the main refinery requirements, although it is understood that Valero Asphalt is an asphalt refinery.

Comment: In Section VI, Permit Conditions, change title of Condition 1240, Part I, from “Refinery” Conditions to “Asphalt Plant” Conditions.

Response: This change has been made to make it easier to distinguish between the asphalt plant requirements and the main refinery requirements, although it is understood that Valero Asphalt is an asphalt refinery.

Page 37:

Comment 171: In Section VI, Permit Conditions, delete the phrase “and S32 LGO Gas Stripper” from Condition 1240, part I.3.

Response: The owner/operator states that S32 was removed from the facility in 1999. Therefore, the source has been deleted.

Comment 172: Changes were made in Section VI, Permit Conditions, Condition 1240.I.5b, 5c, and 8, that were not documented in the Statement of Basis.

Response: On Page 6, the Statement of Basis states that: "Applications 7123 and 7194 were approved for an increase in heat input at S19, Vacuum Heater, and other minor changes. The evaluations for these applications are in Appendix C." The evaluations document the changes made to the CO and NOx limits at S19.

Comment 173: In Section VI, Permit Conditions, change Conditions 1240.I.5, I.6, I.11, I.12, I.13, I.14, I.15; 1240.III.2, III.3, and III.9d to say “asphalt plant” instead of “refinery.”

Response: Condition 1240.I.5, which requires that the facility measure the fuel input to the facility, can be changed. A requirement will be added that the facility shall only burn refinery fuel gas that is produced at the asphalt plant. This is a cumulative increase limit.

Condition 1240.I.6 refers to the asphalt plant’s combustion units and is readily changed.

Conditions 1240.I.11, I.12, and I.13 refer to the sulfur content of the asphalt plant's refinery fuel gas and are readily changed. The name of the fuel gas will still contain the adjective "refinery" since it is physically refinery fuel gas.

Condition 1240.I.14 refers to the asphalt plant's plant-wide limits and is readily changed.

Condition 1240.I.15 prohibits the facility from using refinery wastewater for dust control. Since refinery wastewater from the main refinery may be available to the asphalt plant, and such use of refinery wastewater is not allowed by this cumulative increase limit, the condition will be changed so that it does not allow use of refinery or asphalt plant wastewater for dust control.

Conditions 1240.III.2, III.3, and III.9d are conditions for the asphalt plant's marine operations. Any changes to the conditions must ensure that there is no increase in emissions for which the facility has not applied, since the main refinery could also use this dock for receiving and shipping. Therefore, Condition 1240.III.2 will be changed to say: "...any vessel delivering raw material to the asphalt plant or the asphalt plant dock..."

It is proper to change Condition 1240.III.3 because it refers to limits on the asphalt plant's combustion units whenever a vessel is in port. This condition was not originally intended to place limits on the main refinery's combustion units when a vessel is at the asphalt plant dock.

It is proper to change recordkeeping conditions 1240.III.9d since it was originally intended to refer only to asphalt plant and asphalt plant dock records.

Comment 174: Changes were made in Section VI, Permit Conditions, Condition 1240.I.14, that were not documented in the Statement of Basis.

Response: See response to Comment 172.

Comment 175: In Section VI, Permit Conditions, Condition 1240, part I.16a, change the requirement for testing from "a minimum of 85% of the maximum capacity" to "the highest duty possible for the prevailing process conditions."

Response: The phrase "a minimum of 85% of the maximum capacity" has been reinstated. The owner/operator may apply for a change in permit conditions. This change can not be handled in the comments/response phase of Title V issuance.

Comment 176: In Section VI, Permit Conditions, change Condition 1240, part I.16a to read "CO limits in parts 5b and 5c of this condition" instead of "CO limits in part 5b of this condition" since the Section VII table for S19, Vacuum Heater, has monitoring for part 5c.

Response: Changed as requested.

Page 38:

Comment 177: Changes were made in Section VI, Permit Conditions, Condition 1240.I.17, that were not documented in the Statement of Basis.

Response: See response to Comment 172.

Comment 178: Changes were made in Section VI, Permit Conditions, Condition 1240.I.18 and I.20, that were not documented in the Statement of Basis.

Response: On page 16, the statement of basis states: "Where necessary to meet Title V requirements, additional monitoring, recordkeeping, or reporting has been added to the permit." This is the documentation for Condition 1240.I.18. Condition 1240.I.20 is a condition imposed because start-up and shutdowns are periods of instability for facilities and are also times when modifications are most likely. The District wants the opportunity to inspect at these times. The authority is BAAQMD Regulation 2-1-403, which allows the District to impose conditions necessary to ensure compliance. This response serves as documentation for the permit condition.

Comment 179: In Section VI, Permit Conditions, Condition 1240, part 18e, add S67, Recovered Oil Tank, to list of sources for which calculations are required.

Response: Corrected as requested.

Comment 180: Addition of BAAQMD Condition 1240, I.19 in Section VI, Permit Conditions, was not documented in the Statement of Basis.

Response: On page 16, the statement of basis states: "Where necessary to meet Title V requirements, additional monitoring, recordkeeping, or reporting has been added to the permit." This is the documentation for Condition 1240.I.19.

Comment 181: In Section VI, Permit Conditions, delete reference to S32, LGO Stripper, in Condition 1240, part II.6.

Response: The owner/operator states that S32 was removed from the facility in 1999. Therefore, the condition has been modified.

Comment 182: In Section VI, Permit Conditions, Condition 1240, parts II.10, before part II.40, and after part II.91a, correct descriptions of mist eliminators.

Response: Corrected as requested.

Comment 183: In Section VI, Permit Conditions, change BAAQMD Regulation 8-5-311.3 to 8-5-306 in Condition 1240.II.32a, 32b, and 32c.

Response: Corrected as requested due to rule change in November 2002.

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Comment 184: In Section VI, Permit Conditions, change name of S54, Asphalt Loading Rack, from "Asphalt and Light Vacuum Gas Oil Loading Rack" to "Asphalt Loading Rack" description before Condition 1240, part II.65 in Section VI.

Response: The source has historically been described as loading asphalt and light vacuum gas oil. However, since the description of the source in the rest of the permit is "Asphalt Loading Rack" and the description is more restrictive, the change will be made at this time.

Comment 185: In Section VI, Permit Conditions, change name of S16, Truck Loading Racks Kerosene or Distillate Oil, from "Kerosene and Heavy Vacuum Gas Oil Loading Rack" to "Heavy Vacuum Gas Oil Loading Rack."

Response: The source has historically been described as loading kerosene and heavy vacuum gas oil. The proposed change concerns an issue beyond the scope of Title V; therefore no change has been made at this time.

Comment 186: In Section VI, Permit Conditions, change basis of Condition 1240.III.7 and 1240.III.8 to “Cumulative Increase” from “Synthetic minor.”

Response: “Synthetic minor” is the proper basis for voluntary permit conditions that are assumed for the purpose of avoiding applicable requirements. “Cumulative Increase” is a proper basis for a condition that is imposed to keep emissions at a source at the level that was represented to the District during permitting. Since the new permit conditions assure that emissions will be much lower than that level, “cumulative increase” cannot be used.

At the time that the source was permitted, loading of gasoline, gasoline blending stocks, aviation gas, aviation fuel, and crude oil were allowed at the source. In 1989, Regulation 8, Rule 44, Marine Vessels Loading Terminals was adopted. By 1991, loading of these liquids was not allowed without abatement. The facility has not installed abatement equipment. Therefore loading of these liquids would be a violation of the rule. Not loading these liquids will keep emissions lower than the “cumulative increase” level.

Comment 187: In Section VI, Permit Conditions, change name of A31, Thermal Oxidizer, in Condition 20278.3 from “Rail Road Thermal Oxidizer” to “Thermal Oxidizer.”

Response: Correction made as requested.

Comment 188: In Section VI, Permit Conditions, make various changes to BAAQMD Conditions 19329 and 20617.

Response: The effective date of BAAQMD Condition 20617 has been postponed to June 1, 2004. Revisions to the conditions will be considered during the first revisions of the permit.

Comment 189: In Section VIII, Test Methods, change the applicable requirement for Lab Method 28 to BAAQMD Regulations 8-5-301, 8-5-501.1, and 8-5-117, in accordance with the current version of BAAQMD Regulation 8, Rule 5.

Response: Changes made as requested to conform to the current version of BAAQMD Regulation 8, Rule 5.

Page 40:

Comment 190: In Section VIII, Test Methods, change the test method for BAAQMD Regulation 8-5-306 to conform to the current version of BAAQMD Regulation 8, Rule 5.

Response: Change made as requested to conform to the current version of BAAQMD Regulation 8, Rule 5.

Comment 191: In Section VIII, Test Methods, replace BAAQMD Regulation 8-5-320.3 with 8-5-303.2, the current reference for pressure vacuum valves. Add BAAQMD Regulation 8-5-307.

Response: Change made as requested to conform to the current version of BAAQMD Regulation 8, Rule 5. BAAQMD Regulation 8-5-307 was not added because the District is not aware that the facility currently has any blanketed or pressure tanks.

Comment 192: In Section VIII, Test Methods, add “8-5-603.2” to citation for 8-5-328.1.2. Change description of “8-5-328.1.2” to “Abatement efficiency of 90% by weight of approved emission control system.”

Response: BAAQMD Regulation 8-5-603.2 is already in the table. The existing description for BAAQMD Regulation 8-5-328.1.2 is adequate.

Comment 193: In Section VIII, Test Methods, delete “8-5-603.2.”

Response: As pointed out by the applicant in Comment 192, BAAQMD Regulation 8-5-603.2 is an applicable requirement that needs to be in the table.

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Comment 194: In Section VIII, Test Methods, delete SIP Regulation 8, Rule 5.

Response: Deleted because current rule is approved into the SIP.

Comment 195: In Section VIII, Test Methods, delete BAAQMD 8-6-603 because it is not the best method for asphalt.

Response: The method specified in BAAQMD 8-6-603 has not been deleted because it is possible that it could become necessary to use it for another organic liquid. The rule does not apply to asphalt that has a vapor pressure of less than 0.5 psia, which is true of most asphalt.

Comment 196: In Section VIII, Test Methods, correct the name of the test method for BAAQMD Regulation 8-18-306.

Response: Corrected as requested.

Comment 197: In Section VIII, Test Methods, add 40 CFR 60, Subpart J, Standards of Performance for Petroleum Refineries, with the corresponding EPA Method 11 and 40 CFR 60, Appendix B, Performance Specification 7.

Response: Added Subpart J and EPA Method 11 as requested. Performance specifications for CEMs are in Section IV of the permit.

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Comment 198: In Section VIII, Test Methods, change the citation of 40 CFR 60.112b to 40 CFR 60.112b(a). Replace the acceptable test methods with API Bulletin 2517 or ASTM Method 2879-83, 96, 97, or standard reference texts.

Response: 40 CFR 60.112b has been changed to 40 CFR 60.112b(a) since the latter refers to applicability for volatile organic liquids above certain vapor pressures. ASTM Methods 2879-96 and 97 have been added since they are cited in the monitoring requirements of 40 CFR 60, Subpart Kb. The other means of estimating vapor pressures are not test methods and have not been added. The title of the method has been added.

Comment 199: In Section VIII, Test Methods, add District Regulation 1-522 to Table VIII, Test Methods, with Manual of Procedures, Volume V as the corresponding test method.

Response: Manual of Procedures, Volume V, is not a test method. The proper place to cite Manual of Procedures, Volume V, is in the Source-Specific Applicable Requirements. It is cited in the Section IV table for S19, Vacuum Heater.

Comment 200: In Section VIII, Test Methods, add District Regulation 6-303.1 with Manual of Procedures, Volume I, Evaluation of Visible Emissions, as the corresponding test method.

Response: Added as requested.

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Comment 201: In Section VIII, Test Methods, add District Regulation 6-311 with BAAQMD Method 15 and EPA Method 5, as the corresponding test methods.

Response: Added as requested.

Comment 202: In Section VIII, Test Methods, add EPA Reference Method 21 for BAAQMD Regulation 8-5-328.1.2.

Response: District Procedure, ST-7, Non-Methane Organic Carbon Sampling, is the proper method and is already in the table.

Page 44:

Comment 203: In Section VIII, Test Methods, add BAAQMD Regulation 8-6-604 as a citation along with citations for the test methods.

Response: Since BAAQMD Regulation 8-6-604 is not an applicable requirement, it has not been added.

Comment 204: In Section VIII, Test Methods, add BAAQMD Regulation 8-8-301.3 as a citation along with citations for the test methods.

Response: Since BAAQMD Regulation 8-8-301.3 is an applicable requirement, it has been added.

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Comment 205: In Section VIII, Test Methods, add BAAQMD Regulation 8-8-303 as a citation along with citations for the test methods.

Response: Since BAAQMD Regulation 8-8-303 is an applicable requirement, it has been added.

Comment 206: In Section VIII, Test Methods, add BAAQMD Regulation 8-8-307.2 as a citation along with citations for the test methods.

Response: Since BAAQMD Regulation 8-8-307.2 is an applicable requirement, it has been added.

Page 46:

Comment 207: In Section VIII, Test Methods, add BAAQMD Regulation 8-28-304.2 as a citation along with citations for the test methods.

Response: Since BAAQMD Regulation 8-28-304.2 is an applicable requirement, it has been added. It has also been added to the general asphalt plant table in Section IV.

Comment 208: In Section VIII, Test Methods, add BAAQMD Regulations 9-1-301, Limitations on Ground Level Concentrations, and 9-2-301, Limitations on Hydrogen Sulfide, with Manual of Procedures, Volume VI, Section I, Area Monitoring, as the test method.

Response: The District does not consider the area monitoring procedures to be test methods. The applicant is correct in saying that the Manual of Procedures, Volume VI, Section I, contains applicable requirements. The proper place to cite these

requirements is in section IV and VII, so the citation has been placed in the “Refinery” tables in those sections.

Comment 209: In Section VIII, Test Methods, add BAAQMD Regulation 9-1-304 and the corresponding test method.

Response: Added as requested.

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Comment 210: In Section VIII, Test Methods, add BAAQMD and SIP Regulations 9-1-313.2 and the corresponding test methods.

Response: Added as requested.

Comment 211: In Section VIII, Test Methods, add the area monitoring citations for BAAQMD Regulations 9-1-301, Limitations on Ground Level Concentrations, and 9-2-301, Limitations on Hydrogen Sulfide.

Response: See response to Comment 208. No change was made to the permit.

Comment 212: In Section VIII, Test Methods, add the citation for BAAQMD and SIP Regulations 9-10-303, Emission Limit For Facility (Federal Requirements). Instead of the corresponding test method, add the equivalent verification system in accordance with BAAQMD Regulation 9-10-502.

Response: The citation has been added. Since this table is simply a cross-reference between test methods and applicable requirements, the equivalent verification system has not been added. These requirements are contained in the citations in Section IV and in the permit conditions in Section VI. Since the test methods are referred to in BAAQMD Regulations 9-10-601 and 9-10-602, which are applicable requirements, these two requirements will be added to Section VIII, Test Methods, with the corresponding methods.

Page 48:

Comment 213: In Section VIII, Test Methods, add BAAQMD Regulation 9-10-306.2, tuning requirements for small units.

Response: The District does not consider this requirement to be a test method. The proper place to cite this requirement is in the Section IV tables for S24, Hot Oil Heater, the only small unit at the asphalt plant.

Comment 214: In Section VIII, Test Methods, add 40 CFR 60.112b(a)(3)(i) and associated test methods.

Response: Since 40 CFR 60.112b(a)(3)(i) is an applicable requirement, the section was added.

Comment 215: In Section VIII, Test Methods, add 40 CFR 60.112b(a)(3)(ii) and associated test methods.

Response: There is no test method associated with 40 CFR 60.112b(a)(3)(ii).

Page 49:

Comment 216: In Section VIII, Test Methods, add 40 CFR 60.113b(b)(4)(i) with 40 CFR 60.113b(b)(1)-(3) as test methods.

Response: 40 CFR 60.113b(b)(1)-(3) are not test methods.

Comment 217: In Section VIII, Test Methods, add 40 CFR 60.113b(b)(4)(i) with 40 CFR 60.113b(b)(1)-(3) as test methods.

Response: See Comment 216.

Comment 218: In Section VIII, Test Methods, add 40 CFR 60.485(d).

Response: No argument supporting the suggested change was made.

Page 50:

Comment 219: In Section VIII, Test Methods, add 40 CFR 60.485(e).

Response: No argument supporting the suggested change was made.

Comment 220: In Section VIII, Test Methods, add 40 CFR 61.343(a)(1)(i)(A) and associated test method.

Response: Added as requested.

Comment 221: In Section VIII, Test Methods, add 40 CFR 61.345(a)(1)(i) and associated test method.

Response: Added as requested.

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Comment 222: In Section VIII, Test Methods, add 40 CFR 61.347(a)(1)(i)(A) and associated test method.

Response: Added as requested.

Comment 223: In Section VIII, Test Methods, add 40 CFR 61.349(a)(1)(ii) and associated test method.

Response: Added as requested.

Comment 224: In Section VIII, Test Methods, add 40 CFR 61.349(a)(2)(i)(A) and associated test method.

Response: Added as requested.

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Comment 225: In Section VIII, Test Methods, add 40 CFR 61.349(a)(2)(ii) and associated test method.

Response: Added as requested.

Comment 226: In Section VIII, Test Methods, add 40 CFR 61.342(e)(2)(i) and associated test method.

Response: There is no test method associated with 40 CFR 61.342(e)(2)(i), but rather the calculation method in 40 CFR 61.355(k), which is in Section IV of the permit.

Page 53:

Comment 227: In Section VIII, Test Methods, add 40 CFR 61.355(c)(3) and associated test methods.

Response: 40 CFR 61.355(c)(3) does not exist.

Comment 228: In Section VIII, Test Methods, add 40 CFR 61.355(h) and associated test method.

Response: Added as requested.

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Comment 229: In Section VIII, Test Methods, add 40 CFR 61.355(i) and associated test method.

Response: Added as requested.

Comment 230: In Section VIII, Test Methods, add BAAQMD Condition 1240, parts II.32d, II.44, II.53, and II.86 and the corresponding test method.

Response: These requirements are for monitoring of fugitive emissions. Added as requested.

Page 55:

Comment 231: In Section IX, Permit Shield, reinstate permit shield from BAAQMD 1240, part II.13.

Response: Since it would be a substantive change, the permit shield cannot be reinstated without new public notice. Applicant can petition for this change when the permit is revised.

Comment 232: In Section IX, Permit Shield, add various permit shields.

Response: See response to Comment 232.

COMMENTS ON SECTION VII:

Page 1:

Comment 1: Renumber tables in Section VII to correspond to Section IV.

Response: The tables will be re-numbered in consecutive order. Since there may not be same number of tables in each section, a one-to-one correspondence is too difficult to maintain.

Comment 2: In Section VII, correct the facility-wide NMHC limit from 49.1 tons per year to 49.345 tons per year, due to approval of Application 7123. Change monitoring frequency for this limit to semi-annual.

Response: Corrected as requested.

Comment 3: In Section VII, correct the facility-wide NO_x limit from 40 tons per year to 40.047 tons per year, due to approval of Application 7123. Change monitoring frequency for this limit to semi-annual.

Response: Corrected as requested.

Comment 4: In Section VII, correct the facility-wide SO₂ limit from 28 tons per year to 28.049 tons per year, due to approval of Application 7123.

Response: Corrected as requested.

Page 2:

Comment 5: In Section VII, delete Condition 1240, parts I.18a and I.18g because they do not apply to the refinery as a whole.

Response: Condition 1240, part I.18, et seq. refers to calculations that the permit holder must perform to show that the facility is in compliance with plant-wide limits. Since the condition refers to the permit holder, not the sources, the citations will remain.

Comment 6: In Section VII, delete Condition 1240, parts I.18c through I.18g because they do not apply to the refinery as a whole.

Response: Condition 1240, part I.18, et seq. refers to calculations that the permit holder must perform to show that the facility is in compliance with plant-wide limits. Since the condition refers to the permit holder, not the sources, the citations will remain.

Comment 7: In Section VII, change the designation of 8-5-328.1.2 to “federally enforceable;” change “cleaning” to “degassing” in all citations of 8-5-328.1.2. Add BAAQMD to monitoring requirement citation.

Response: Changed as requested.

Comment 8: In the Section VII refinery table, add BAAQMD Regulation 8-5-604, Determination of Applicability.

Response: The section has not been added. Applicability has been determined for all tanks at the facility. If the owner/operator wishes to change the service of a tank, the owner/operator would have to submit an application to the District.

Page 3:

Comment 9: In Section VII refinery table, delete all references to SIP Regulation 8, Rule 5.

Response: All references have been deleted because the current rule has been approved into the SIP.

Comment 10: In Section VII, designate all citations of BAAQMD Regulation 8, Rule 5, federally enforceable.

Response: Changed because the current rule has been approved into the SIP.

Comment 11: In Section VII tank tables, delete all references to SIP Regulation 8, Rule 5.

Response: All references have been deleted because the current rule has been approved into the SIP.

Comment 12a: In the Section VII table for S1, Crude Storage Tank; S2, Crude Storage Tank; S4, Crude Oil Storage Tank; and S23, Crude Storage Tank, changes instances of BAAQMD Regulation 8-5-402.1 to 8-5-401.2.

Response: Changed because 8-5-401.2. is the proper citation for external floating roof tanks.

Comment 12b: Use most stringent monitoring frequency from permit condition II.13 (P/Q or event).

Response: Comment is ambiguous. Depending on the circumstances, either quarterly or on an event basis could be more stringent. No change.

Comment 13: In the Section VII table for S1, Crude Storage Tank; S2, Crude Storage Tank; S4, Crude Oil Storage Tank; and S23, Crude Storage Tank, delete citation of BAAQMD 8-5-404, since it no longer contains inspection criteria.

Response: The section has been deleted. The inspection requirements are now in BAAQMD 8-5-401, which is cited.

Page 4:

Comment 14: In Section VII tables for tanks S1, Crude Storage Tank; S2, Crude Storage Tank; S4, Crude Oil Storage Tank; S9, Naphtha Storage Tank; S13, Kerosene Tank; S23, Crude Storage Tank; S59, Gas Oil Fixed Roof Storage Tank, and S63, KERO/LVGO/Asphalt Tank: Change limit to “Organic concentration of < 10,000 ppm as methane after degassing” to clarify that organic concentration is the limit.

Response: Changed as requested.

Comment 15: In Section VII tables for S1, Crude Storage Tank; S2, Crude Storage Tank; S4, Crude Oil Storage Tank; S9, Naphtha Storage Tank; S13, Kerosene Tank; S23, Crude Storage Tank; S59, Gas Oil Fixed Roof Storage Tank; and S63, KERO/LVGO/Asphalt Tank, change citation of BAAQMD Regulation 8-5-501 to 8-5-501.1 in tank tables in Section VII.

Response: Changed in all cases where the monitoring was a record of type of liquid and TVP.

Comment 16: Add limits for external floating roof tanks.

Response: The limit in Condition 1240, part II.14 was added to the Section VII table, as well as the monitoring in Condition 1240, parts II.22 and II.23.

Page 5:

Comment 17: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for S1, Crude Storage Tank; S2, Crude Storage Tank; S4, Crude Oil Storage Tank; and S23, Crude Storage Tank, add the 11 psia limit in Condition 1240, parts II.16, and the monitoring requirements in parts II.22 and II.23.

Response: The limit and monitoring has been added. BAAQMD 8-5-501.1 has also been added as a monitoring citation.

Comment 18: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for S1, Crude Storage Tank; S2, Crude Storage Tank; S4, Crude Oil Storage Tank; S9, Naphtha Storage Tank; and S23, Crude Storage Tank, add the BAAQMD monitoring requirement in BAAQMD 8-8-501.2, Records of Tank Seal Replacement.

Response: Added as requested.

Page 6:

Comment 19: In the Section VII table for S9, Naphtha Storage Tank, delete the following citations because the tanks does not have slotted sampling wells or emergency roof drains: BAAQMD 8-5-320.5.2, 8-5-320.3, 8-5-320.6.

Response: The citations have not been deleted because they can apply to other fixtures. The applicant has not presented enough information to allow the District to delete these citations at this time.

Comment 20: In the Section VII table for S9, Naphtha Storage Tank, delete the following VOC limits because they are obsolete: BAAQMD 8-5-321.1 and 8-5-322.1. Add new visual inspection requirement in BAAQMD Regulation 8-5-402. Add 8-5-305.1, 8-5-305.2, 8-5-305.3, 8-5-321.1, and 8-5-322.1 as limits

Response: The citations have not been deleted because the current versions apply to the tank. BAAQMD 8-5-305.1, 8-5-305.2, 8-5-305.3 are not limits, but rather requirements to have certain equipment, so they have not been added. BAAQMD 8-5-321.1 and 8-5-322.1 are already in the section. The new monitoring can be added.

Page 7:

Comment 21: In the Section VII table for S9, Naphtha Storage Tank, delete citation of BAAQMD 8-5-322.3 because 8-5-322.5 is more stringent.

Response: The citation has not been deleted because the requirement (BAAQMD 8-5-322.3) does not exclude this tank. Since the requirements are not in conflict with each other, there is no problem in citing both. The requirement has been added to the Section IV table for S9 since it was omitted in error.

Comment 22: Consolidate two rows for 40 CFR 61.349(a)(2)(i)(A) in Section VII table for S12, Wastewater Tank.

Response: The table has two separate rows because the monitoring citation is different if it is controlled by S24, Hot Oil Heater, or A31, Thermal Oxidizer. No change has been made.

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Comment 23: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for S12, Wastewater Tank and S25, Effluent Water Feed Tank;

Add S26, Wastewater Oil Tank; S27, Recovered Oil Tank; S28, Effluent Water Feed Tank; and S67, Recovered Oil Tank, add the requirement in 40 CFR 61.343(a)(1)(i)(B) for maintenance of tank openings in a closed and sealed position with the associated quarterly monitoring requirements Section 61.343(c).
Response: Added as requested.

Comment 24: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for S13, Kerosene Tank; S27, Recovered Oil Tank; S59, Gas Oil Fixed Roof Storage Tank; S63, KERO/LVGO/Asphalt Tank; and S67, Recovered Oil Tank, add citations for pressure-relief valves.
Response: Added as requested.

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Comment 25: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for S13, Kerosene Tank; S59, Gas Oil Fixed Roof Storage Tank; and S63, KERO/LVGO/Asphalt Tank, add citations for the limit in 40 CFR 60, Subpart Kb, Section 112b(a)(3)(i), and associated monitoring.
Response: The limit has been added. There is no associated monitoring in the standard. Therefore, a new condition, Condition 1240, part 32e, has been added to monitor for this limit on a semi-annual basis, which is similar to the new monitoring imposed for P/V valves by the recent revisions to BAAQMD Regulation 8, Rule 5, Storage of Organic Liquids.

Comment 26: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for: S14, Truck Loading Racks – Naphtha; and S15, Truck Loading Racks – Gas Oil, add the limit in BAAQMD Regulation 8-6-304.
Response: Correction made as requested.

Comment 27: In the Section VII, Applicable Limits and Compliance Monitoring Requirements tables for: S14, Truck Loading Racks – Naphtha; S15, Truck Loading Racks – Gas Oil; and S31, Rail Car Asphalt and Gas Oil Loading Rack, add the limit in BAAQMD Regulation 8-6-306.
Response: The limit has been added. There is no associated monitoring in the standard. Therefore, new conditions, Condition 1240, parts II.62a, II.62b, II.59a, II.59b, II.72a, and II.72b, has been added to monitor for this limit on a quarterly basis.

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Comment 28: Change the Description of S16, Truck Loading Racks Kerosene or Distillate Oil, in Section VII table from “S16, Truck Loading Racks, Kerosene or Distillate Oil” to “S16, Truck Loading Racks, Heavy Vacuum Gas Oil.”
Response: The source has historically been described as loading kerosene or distillate oil. The applicant has not submitted documentation to determine whether heavy vacuum gas oil is substantially equivalent to kerosene or distillate oil. The District invites the applicant to submit such documentation at a later date or to submit a permit application for the change.

Comment 29: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for S16, Truck Loading Racks Kerosene or Distillate Oil, and

S17, Truck Loading Racks - Asphalt, add the exemption in BAAQMD Regulation 8-6-110, along with monitoring requirements.

Response: The District does not generally put exemptions in the permit. An applicability determination has been made, that based on the representations of the facility in previous applications, that organic liquids with a vapor pressure over 0.5 psia will not be loaded at these racks. Should the applicant wish to load these organic liquids at these racks, the applicant is required to submit an application for the modification, which will cause an increase in emissions.

Comment 30: In the Section VII table for S18, Crude Unit, designate BAAQMD Condition 1240, part I.2, as federally enforceable.

Response: Corrected as requested.

Comment 31: In the Section VII table for S19, Vacuum Heater, change the monitoring citation for Condition 1240, part I.3 from “part I.16” to “part I.16b” to reflect change in condition.

Response: Changed as requested. Also, Condition 1240, part I.16b was changed to say “the 98.5% POC destruction efficiency in part I.3”, for greater clarity.

Comment 32: In the Section VII table for S19, Vacuum Heater, change the NOx limit to 25 ppm @ 3% oxygen to reflect changes made in Application #7123. Change the monitoring citation for Condition 1240, part I.3 from “part I.16” to “part I.16a” since this part refers to the NOx limit.

Response: Corrected as requested.

Comment 33: In the Section VII table for S19, Vacuum Heater, change the monitoring citation for the first time that BAAQMD Regulation 9-10-301 is cited, so the monitoring citation only contains parts 7 and 8.

Response: The entire condition refers to monitoring for BAAQMD Regulation 9, Rule 10. Therefore, it is appropriate to cite the whole condition.

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Comment 34a: In the Section VII table for S19, Vacuum Heater, change the monitoring citation for the second time that BAAQMD Regulation 9-10-301 is cited, so the monitoring citation only contains parts 7 and 8.

Response: See response to Comment 33.

Comment 34b: In the Section VII table for S19, Vacuum Heater, change the monitoring type to include “fuel gas heating values and records.”

Response: Added as requested.

Comment 35: In the Section VII table for S19, Vacuum Heater, delete BAAQMD Condition 20617, part 12.

Response: The effective date of BAAQMD Condition 20617 has been postponed to June 1, 2004. Revisions to the conditions will be considered during the first revisions of the permit.

Comment 36: In the Section VII table for S19, Vacuum Heater, change the monitoring citation for BAAQMD Regulation 9-10-305 from part I.16 to part I.16a.

Response: Corrected as requested.

Comment 37: In the Section VII table for S19, Vacuum Heater, change the CO emission limit for Condition 1240, I.5b from 140 ppm to 50 ppm in incorporate changes made through Application #7123.

Response: Corrected as requested.

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Comment 38: In the Section VII table for S19, Vacuum Heater, change the CO emission limit for Condition 1240, I.5b from 3.4 lb/hr to 1.47 lb/hr in incorporate changes made through Application #7123. Correct monitoring citation from part I.16 to part I.16a.

Response: Corrected as requested.

Comment 39: In the Section VII table for S19, Vacuum Heater, correct the citation of the limit to say "operating day average" rather than "one hour average."

Response: The citation has been corrected, since the monitoring condition was written for a standard with an operating day average. The effective date has been changed to June 1, 2004.

Comment 40: In the Section VII table for S19, Vacuum Heater, correct the citation for the following limit: "Fuel gas concentration limited to 10 ppmv, dry, when any vessel is in port."

Response: Corrected as requested.

Comment 41: In the Section VII table for S19, Vacuum Heater, correct the citation for VOC limit to Condition 1240, part I.16b.

Response: Corrected as requested.

Comment 42: In Section VII tables for S19, Vacuum Heater; S20, Steam Boiler; S21, Steam Boiler; S24, Hot Oil Heater; S34, Tank Heater; A4, Thermal Oxidizer; and A31, Thermal Oxidizer, change total maximum asphalt plant heat input to 93.6 MMbtu/hr to conform to changes made in Application #7123.

Response: Corrected as requested.

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Comment 43: In Section VII tables for S19, Vacuum Heater; S20, Steam Boiler; and S21, Steam Boiler, make reference to BAAQMD Regulation 9-10-305 federally enforceable.

Response: No change made. The requirement is not federally enforceable.

Comment 44: In Section VII tables for S19, Vacuum Heater; S20, Steam Boiler; and S21, Steam Boiler, make references to BAAQMD Regulation 9-10-301 federally enforceable.

Response: No change made. The requirement is not federally enforceable.

Comment 45: In Section VII tables for S19, Vacuum Heater; S20, Steam Boiler; and S21, Steam Boiler, delete all SIP Regulation 9, Rule 10, monitoring requirements.

Response: No change made. The SIP requirements and the BAAQMD requirements are not identical.

Comment 46: In the Section VII tables for S20, Steam Boiler, and S21, Steam Boiler, change citation of 15 MMbtu/hr throughput limit to Table IIA.

Response: The citation cannot be removed because it is an applicable requirement, although the capacity in the Section II is 14.7 MMbtu. The source is subject to both limits.

Comment 47: In the Section VII tables for S20, Steam Boiler, and S21, Steam Boiler, add Condition 20317, part 3 in the monitoring citation for BAAQMD Regulation 9-10-301. In the monitoring type column add “fuel gas heating values and records.”

Response: Condition 20317, parts 1, 2, and 3 have been added. The monitoring type has been augmented.

Comment 48: In the Section VII tables for S20, Steam Boiler, and S21, Steam Boiler, change monitoring citation for O₂ (oxygen) from BAAQMD Regulation 9-10-502 to Condition 1240, part I.10, change monitoring frequency to “continuous”, and change monitoring type to “oxygen analyzer.”

Response: All requested additions made. BAAQMD Regulation 9-10-502 was not deleted because it also applies. In addition, BAAQMD Condition 20617, part 3, was also added. The entry under in the “Limit” column was not changed from “no limit” to “none.”

Comment 49: In the Section VII tables for S20, Steam Boiler, add “operating day average” to the CO limit in BAAQMD Regulation 9-10-305.

Response: Added as requested.

Comment 50: In Section VII tables for S24, Hot Oil Heater, and A31, Thermal Oxidizer, change citation of limit for BAAQMD Regulation 8-5-306 so that it only applies to emissions from S13, Kerosene Tank; S27, Recovered Oil Tank; S59, Gas Oil Fixed Roof Storage Tank; S63, KERO/LVGO/Asphalt Tank; and S67, Recovered Oil Tank.

Response: See response to Comment A.168. No change made.

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Comment 51: In Section VII tables for S24, Hot Oil Heater, and A31, Thermal Oxidizer, change citation of limit for 40 CFR 60.112b(a)(3)(ii) so that it only applies to emissions from S13, Kerosene Tank; S59, Gas Oil Fixed Roof Storage Tank; and S63, KERO/LVGO/Asphalt Tank.

Response: See response to Comment A.168. No change made.

Comment 52: In Section VII tables for S24, Hot Oil Heater, and A31, Thermal Oxidizer, change citation of limit for 40 CFR 61.349(a)(2)(i)(A) so that it only applies to emissions from S12, Wastewater Tank; S25, Effluent Feed-Water Tank; - S28, Effluent Water Feed Tank; S41, Wemco Hydrocleaner; S66, Oil Water Separator; and S67, Recovered Oil Tank.

Response: See response to Comment A.168. No change made.

Comment 53: In Section VII tables for S24, Hot Oil Heater, and A31, Thermal Oxidizer, change citation of limit for BAAQMD Condition 1240, parts II.32a, II.32b, and II.32c so that they only apply to emissions from S13, Kerosene Tank; S59, Gas Oil Fixed Roof Storage Tank; and S63, KERO/LVGO/Asphalt Tank.

Response: See response to Comment A.168. No change made.

Comment 54: In Section VII tables for S24, Hot Oil Heater, and A31, Thermal Oxidizer, change citation of limit for BAAQMD Condition 1240, part II.43 so that it only applies to emissions from S3, Gas Oil Storage Tank.

Response: See response to Comment A.168. No change made.

Comment 55: In Section VII tables for S24, Hot Oil Heater, change citation of limit to “BAAQMD Condition 1240, parts II.32d, II.44, II.53, II.86. Change limit to “Fugitive emissions at vapor recovery systems of S3, Gas Oil Storage Tank, S63, KERO/LVGO/Asphalt Tank, S65, Asphalt Tank, S66, Oil Water Separator, (S24 or A31) shall not exceed 100 ppmv.” Change monitoring requirement citation to “BAAQMD Condition 1240, parts II.32d, II.44, II.53, II.86.”

Response: These conditions have been placed in the components table for convenience. They have also been placed in the Section VII tables for S24, Hot Oil Heater, individually.

Comment 56: In Section VII tables for S24, Hot Oil Heater, and A31, Thermal Oxidizer, change citation of limit for BAAQMD Condition 1240, part II.55 so that it only applies to emissions from S5, Asphalt Storage Tank - S8, Asphalt Storage Tank, S37, Rubberized Asphalt Sales Tank, S38, Rubberized Asphalt Sales Tank, and S70, Asphalt Additive Mixing Tank.

Response: See response to Comment A.168. No change made.

Comment 57: In Section VII tables for S24, Hot Oil Heater, and A31, Thermal Oxidizer, change citation of limit for BAAQMD Condition 1240, part II.56 so that it only applies to emissions from S51, Sales Tank – Asphalt Liquid - S53, Sales Tank – Asphalt Liquid, S60, Asphalt Tank, and S65, Asphalt Tank.

Response: See response to Comment A.168. No change made.

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Comment 58: In Section VII tables for S24, Hot Oil Heater, and A31, Thermal Oxidizer, change citation of limit for BAAQMD Condition 1240, part II.57 so that it only applies to emissions from S61, Asphalt Tank, and S62, Asphalt Tank.

Response: See response to Comment A.168. No change made.

Comment 59: In Section VII tables for S24, Hot Oil Heater, and A31, Thermal Oxidizer, change citation of limit for BAAQMD Condition 1240, part II.85 so that it only applies to emissions from S66, Oil Water Separator.

Response: See response to Comment A.168. No change made.

Comment 60: In Section VII tables for S24, Hot Oil Heater, add the VOC limit in Condition 1240, part II.70, and associated citations.

Response: Added as requested.

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Comment 61: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for source S24, Hot Oil Heater, and control device A31, Thermal Oxidizer, add BAAQMD Regulations 8-8-301.2 and 8-8-307.2 because the source and device control S41, Wemco Hydrocleaner, and S66, Oil Water Separator.

Response: Added to conform to the permit conditions and Section IV and VII tables for S41, Wemco Hydrocleaner, and S66, Oil Water Separator.

Comment 62: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for source S24, Hot Oil Heater, and control device A31, Thermal Oxidizer, add the following citation: 40 CFR 61, Section 349(f) as a limit.

Response: 40 CFR 61, Section 349(f) is actually a monitoring requirement, although it is in a “Standards” section in the NESHAPS. The section has been added as monitoring for 40 CFR 61.349(a)(1)(i), the 500 ppm limit. This limit has been added since it applies directly to the control devices. Also, this change has been made for all sources that are subject to Section 349(f).

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Comment 63: In the Section VII tables for Sources S24, Hot Oil Heater, S34, Tank Heater, A4, Thermal Oxidizer, and A31, Thermal Oxidizer, change the monitoring type to “periodic/daily (P/D)” and the monitoring type to PG&E fuel meter.

Response: These changes have been made because the condition states that these small sources will be monitored using the PG&E fuel meter on a daily basis.

Comment 64: In the Section VII, Applicable Limits and Compliance Monitoring Requirements tables for sources S25, Effluent Water Feed Tank, S28, Effluent Water Feed Tank, S41, Wemco Hydrocleaner, and S66, Oil Water Separator, add the following citations: 40 CFR 61.349(a)(1)(ii)(B) and 40 CFR 61.354(f)(1).

Response: Added as requested.

Comment 65: Change Section VII tables for S26, Wastewater Tank, and S27, Recovered Oil Tank, to allow abatement by Thermal Oxidizer or Process Heater as well as Carbon.

Response: This type of change cannot be made through the Title V process. The owner/operator must submit an application for pre-construction review.

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Comment 66: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for sources S26, Wastewater Oil Tank, and S27, Recovered Oil Tank, add the following citations: 40 CFR 61.349(a)(2)(i)(A) and 40 CFR 61.354(c)(1) and (c)(4).

Response: The citations were not added because the owner/operator is not authorized to use the combustion devices for control for these sources.

Comment 67: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for source S27, Recovered Oil Tank, delete the following citation: 40 CFR 61.349(a)(1)(i).

Response: The District has made the determination that the requirement applies to the source. The applicant has requested in various places that the District cite 61.349(f), one of the monitoring requirements related to the above standard. The citation was not deleted.

Comment 68: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for source S27, Recovered Oil Tank, correct the frequency of

monitoring from quarterly to monthly for the following citation: 40 CFR 61.349(a)(1)(ii)(B).

Response: Corrected as requested.

Comment 69: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for source S27 and S67, Recovered Oil Tanks, add the following monitoring requirement: BAAQMD Regulation 8-5-501.1.

Response: Added as requested.

Comment 70: Change name of S31, Rail Car Asphalt and Gas Oil Loading Rack, in Section VII table to "Rail Car Gas Oil and Asphalt Loading Rack."

Response: This change was made since the source is described in this manner in various places in the permit.

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Comment 71: Change Section VII table for S31, Rail Car Asphalt and Gas Oil Loading Rack, to cite limit in Condition 1240, II.66, not II.32.

Response: The actual limit is in Condition 1240, II.69. The correction has been made.

Comment 72: Delete Table VII-V for S32 in its entirety.

Response: The owner/operator states that S32 was removed from the facility in 1999. Therefore, the table has been deleted.

Comment 73: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for sources S39, Lube Oil Tank, and S40, Latex Storage Tank, add citations from 40 CFR 63, Subpart CC.

Response: The applicant has not provided sufficient information or analysis to support the change.

Comment 74: Add "by S24, Hot Oil Heater, or A31, Thermal Oxidizer" to the citation of the limit for BAAQMD Regulation 8-8-307.2.

Response: The abatement device does not affect the limit. Therefore, this change was not made. It was also deleted from the citation of 40 CFR 61.349(a)(2)(i)(A).

Comment 75: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for sources S41, Wemco Hydrocleaner, and S67, Recovered Oil Tank, add citation 40 CFR 63.654(c)(1) for the thermal oxidizer.

Response: The section was not added because it applies to process heaters or boilers.

Comment 76: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for sources S41, Wemco Hydrocleaner, and S66, Oil Water Separator, add the following citations: BAAQMD 8-8-114, 8-8-501, and 8-8-601.

Response: BAAQMD 8-8-114 was not added because it does not contain a limit. The required monitoring in BAAQMD 8-8-501 was added. BAAQMD 8-8-601, the citation of the test method, is in Section VIII, Test Methods.

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Comment 77: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for sources S41, Wemco Hydrocleaner, and S66, Oil Water

Separator, add the following citations: 40 CFR 61.347(a)(1)(i)(B), with 61.347(b) as the monitoring requirement.

Response: 40 CFR 61.347(a)(1)(i)(B) is a requirement to keep each opening in a closed, sealed position. 40 CFR 61.347(b) is a requirement to check for gaps on a quarterly basis. 40 CFR 61.347(b) is not a monitoring requirement for 40 CFR 61.347(b), but rather for 40 CFR 61.347(a)(1)(i)(A). 40 CFR 61.347(a)(1)(i)(A) and 40 CFR 61.347(b) have been added. 40 CFR 61.347(b) has also been added to the "Components" table.

Comment 78: In the Section VII tables for S59, Gas Oil Fixed Roof Storage Tank, and S63, KERO/LVGO/Asphalt Tank, designate BAAQMD Condition 1240, part II.33a, as federally enforceable.

Response: Corrected as requested.

Comment 79: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, tables for sources S59, Gas Oil Fixed Roof Storage Tank, and S63, KERO/LVGO/Asphalt Tank, add the following citations: 40 CFR 60.112b(a)(3)(ii).

Response: Corrected as requested.

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Comment 80: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for source S63, KERO/LVGO/Asphalt Tank, add the following citation: BAAQMD Condition #1240, part II.32d.

Response: Corrected as requested.

Comment 81: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for source S66, Oil Water Separator, change the summary of the limit for BAAQMD Condition 1240, part 53, from "Fugitive emissions shall not exceed 100 ppm" to "Fugitive emissions at vapor recovery system shall not exceed 100 ppm."

Response: Change is mostly cosmetic and has been made. Since this limit is in the Section VII tables for S24, Hot Oil Heater, and A31, Thermal Oxidizer, it is not necessary to say "(by S24 or A31)".

Comment 82: In the Section VII table for S65, Asphalt Tank, change the name from "Asphalt Tank" to "Asphalt Storage Tank."

Response: Changed as requested.

Comment 83: In the Section VII table for S66, Oil Water Separator, designate the citation of BAAQMD Regulation 8-8-301.3 as "federally enforceable."

Response: Corrected as requested.

Comment 84: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for S66, Oil Water Separator, correct citation "40 CFR 61.349(a)" to "40 CFR 61.349(a)(2)(i)(A)."

Response: Corrected as requested.

Comment 85: In the Section VII table for S66, Oil Water Separator, add the following note to the citation of Condition 1240, II.85: "control by A31, Thermal Oxidizer, or S24, Hot Oil Heater).

Response: The note has not been added because the control device does not alter the limit.

Comment 86: In the Section VII table for S66, Oil Water Separator, add monitoring citations to the citation of Condition 1240, II.86.

Response: Added as requested.

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Comment 87: In the Section VII table for S66, Oil Water Separator, correct the throughput for Condition 1240, II.83 from 11,376,000 to 110,376,000 gallons per year.

Response: Correction made as requested.

Comment 88: In the Section VII table for S68, Emergency Diesel-Powered Fire Pump, change the designation of Condition 18796, part 1 to “federally enforceable.”

Response: Since the basis is “cumulative increase”, the limit is federally enforceable. Therefore, the change was made in the Section IV and VII tables for S66, Oil Water Separator, and in the permit condition.

Comment 89: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for S69, Asphalt Additive Loading Bin, and S70, Asphalt Additive Mixing Tank, delete Condition 20278, part 4a, since it is identical to BAAQMD Regulation 6-301.

Response: The condition has been deleted, the condition renumbered, and the references removed from the Section IV and VII tables.

Comment 90: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for “Components”, change monitoring citation for SIP 8-20-301 from ”BAAQMD” to “SIP.”

Response: Added as requested.

Comment 91: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for “Components”, add “BAAQMD” to monitoring citation of 8-28-602.

Response: Added as requested.

Comment 92: In Section VII table for Components, add BAAQMD 8-28-602 as the monitoring citation for BAAQMD 8-28-304.2.

Response: The applicant has not submitted sufficient information to show why BAAQMD 8-28-602 would provide appropriate monitoring. No change was made.

Comment 93: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for “Components”, change the citation of 40 CFR 60.482-4(a) from "<" to "<=".

Response: The standard says "less than". The permit has been corrected to "<". Will correct to "<", not "<=".

Comment 94: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for “Components”, change the type of limit for BAAQMD Condition 1240, part I.14 from "NMHC" to "VOC."

Limit is an NMHC limit. Cannot change to VOC limit. Have not added header to table for permit conditions because this is not standard District format.

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Comment 95: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for “Components”, under the heading 40 CFR 61, Subpart FF, correct citations of 63.345 to 61.345.

Response: Corrected as requested.

Comment 96: In the Section VII, Applicable Limits and Compliance Monitoring Requirements, table for “Components”, correct the heading on the footnote to the right table number.

Response: The footnote has been changed to read “Footnotes to Table above:”

Comment 97: In Section VII table for A4, Thermal Oxidizer, add “(from S14, Truck Loading Racks - Naphtha)” to limit in BAAQMD Condition 1240, II.60.

Response: See response to comment A.168. No change made.

Comment 98: In Section VII table for A4, Thermal Oxidizer, add “(from S15, Truck Loading Racks – Gas Oil)” to limit in BAAQMD Condition 1240, II.60.

Response: See response to comment A.168. No change made.

Comment 99: In Section VII table for A4, Thermal Oxidizer, add “(from S17, Truck Loading Racks - Asphalt)” to limit in BAAQMD Condition 1240, II.60.

Response: See response to comment A.168. No change made.

Comment 100: In Section VII table for A31, Thermal Oxidizer, add the following limits: Condition 1240, parts II.32d, II.44, II.53, and II.86.

Response: Added as requested.

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Comment 101: In Section VII table for A31, Thermal Oxidizer, add “(from S31, Rail Car Asphalt and Gas Oil Loading Rack)” to limit in BAAQMD Condition 1240, II.69.

Response: See response to comment A.168. No change made.

Comment 102: In Section VII table for A31, Thermal Oxidizer, add “(from S54, Asphalt Loading Rack)” to limit in BAAQMD Condition 1240, II.70.

Response: See response to comment A.168. No change made.

