List of New Permit Conditions:
27646– General Permit Conditions for Rodeo Renewed Fuels Project
27647 – Permit Conditions for Process Units
27648 – Permit Conditions for S-599 Unit 237 Sulfur Treatment Unit (STU)
27649 – Permit Conditions for S-600 Pretreatment Unit (PTU), S-606 Spent Water Tank, S-612 (2 DAF units at PTU), S-613 Process Tanks (3) and S-616 Collection Tanks (2)
27650 – Permit Conditions for S-602 Filter Aid Storage Silos (9)
27651 – Permit Conditions for S-603 Polyethylene Removal Filter Aid Day Hoppers (4)
27652– Permit Conditions for S-605 Filter Aid Adsorption Day Hopper (3)
27653 – Permit Conditions for S-195 Sludge Tank

27657 – Permit Conditions-Throughput Limits for Grandfathered Sources (S-254, S-256, S-257 and S-338)
27658 – Permit Conditions for Fugitive Components (S-307, S-322, S-434, S-437, S-599, S-600 and S-318)
27659 – Permit Conditions for Process Heaters (S-11, S-12, S-13, S-22 and S-45), Turbines/Heat Recovery Steam Generator (HRSG) (S-352 through S-357) and Hydrogen Plant Furnace (S-438)
27660 - Permit Conditions for Cooling Towers (S-453, S-455, and exempt S-614 WSAC)
27661 - Permit Condition for Renewable Naphtha Tank (S-150)
27787 - Permit Condition for Renewable Naphtha Tank (S-125)

Permit Condition #27646

Application 31157 (2022 – Initial Issuance) - Phillips 66 Rodeo Renewed Fuels Project.

General:
1a. The owner/operator shall ensure that all of the following sources are not used in the process of unloading renewable feedstock, producing renewable fuels, loading renewable fuels, handling waste related to renewable fuels production or processing or any other activities associated with the Rodeo Renewed project: S-2, S-3, S-4, S-5, S-7, S-9, S-10, S-15, S-16, S-17, S-18, S-19, S-20, S-21, S-31, S-43, S-44, S-133, S-300, S-304, S-305, S-306, S-308, S-319, S-336, S-337, S-370, S-371, S-372, S-432, S-433, S-435, S-436, S-452, S-457, S-458, S-462, and S-463. Prior to operating any of the sources above with the renewable fuels process, the owner/operator shall submit an application to the Air District's Engineering Division for review and receive approval from the Air District.
(Basis: Regulation 2-1-403 Permit Conditions)

1b. The owner/operator shall ensure that all of the following sources that are in operation are not used in the process of unloading renewable feedstock, producing renewable fuels, loading renewable fuels, handling waste related to renewable fuels production or processing or any other activities associated with the Rodeo Renewed project: S-98, S-100, S-107, S-115, S-123, S-124, S-128, S-129, S-134, S-136, S-138, S-149, S-151, S-168, S-169, S-171, S-177, S-178, S-180, S-182, S-183, S-184, S-186, S-191, S-192, S-194, S-209, S-239, S-255, S-258, S-259, S-286, S-287, S-289, S-293, S-343, S-380, S-392S-427, S-428, S429, S-440, S-444, S-446, S-447, S-507 and/or any other sources that are in operation but is not part of Application 31157. Prior to operating any of the sources above with the renewable fuels process, the owner/operator shall submit an application to the Air District's Engineering Division for review and receive approval from the Air District.
(Basis: Regulation 2-1-403 Permit Conditions)

2. The owner/operator of Pretreatment Unit (S-600), Unicracking U240 (S-307) and High Pressure Reactor Train U246 (S-434) shall not process any crude oil feedstock and/or any liquid petroleum based feedstock at these sources. (Basis: Regulation 2-1-403 Permit Conditions)

Documentation:
The following permit conditions will be used to verify permitting actions/determinations and assumptions used for issuance of the Authority to Construct, which is based on preliminary information.

3. Prior to the issuance of the permit to operate, the owner/operator shall submit the following items to the Air District's Engineering Division (each referencing Permit Application #31157, Permit Condition 27646, Part 3):

a. Final as-built fugitive component counts including new and replaced components of all sources in Condition 27658 in the Rodeo Renewed Project
b. Final design drawings and specification for S-97 (Tank 100) and Activated Carbon Vessel (A-626 – 4 in parallel)
c. Final design drawings and specification for Biofilter (A-622) and Activated Carbon Vessel (A-623), and/or Biofilter (A-624) and Activated Carbon Vessel (A-625)
d. Final design drawings and specification for A-598 through A-601 (S-599 STU Unit)
e. Final as-built Process Flow Diagrams and/or block flow diagrams for all changes associated with the Rodeo Renewed Project, including but not limited to the blending operation at Unit 76 and U 80
f. Subsequent revisions to product Safety Data Sheet (SDS) (Renewable Diesel, Propane, Naphtha, etc.).
g. Submit a Device Data Update Form (Form DDU) for all shut down sources

(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase)

New Source Performance Standards (NSPS) and National Emissions Standards for Hazardous Air Pollutants (NESHAP) Applicability Determination and Compliance:

4. The owner/operator of S-107, S-133, S-139, S-140, S-168, S-182, S-324, S-1007, A-49 and/or A-51 shall determine the facility's total annual benzene (TAB) quantity from facility waste within 90 days of achieving the maximum processing rate of 69,000 bpd, but no later than 180 days after the startup of S-307 (U240) and S-434 (U246) regardless of the capacity achieved. This determination shall be performed while S-460 (U250) is in operation at the same time. The total annual benzene quantity shall be determined in accordance with 40 CFR Part 61, Subpart FF, §61.355. The results shall be submitted to the Air District's Engineering Division no later than 30 days from the date of the analysis or any data used for the analysis as required in 40 CFR 61.357. If the TAB report is calculated to be less than 10 Megagram (11 tons) per year, the owner/operator shall notify the Air District to confirm the report, to reclassify the facility as exempt from the control standards of 40 CFR 51, Subpart FF, and to confirm compliance with any other applicable regulatory requirements prior to issuance of the permit to operate. If the analysis if greater than or equal to 10 Megagram (11 tons) per year, the owner/operator shall continue to comply with control standards as provided in 40 CFR 61.355, Subpart FF. The TAB shall be updated as required in 40 CFR 61.355. The reports shall be submitted as required in 40 CFR 61.355, Subpart FF. The owner/operator shall submit a Title V significant revision application in order to address any applicable regulatory changes based on the TAB determination.
(Basis: 40 CFR Part 61, Subpart FF, §61.340 - Applicability)

5. The owner/operator of S-101, S-102, S-106, S-324, S-381 through S-387, S-390, S-400, S-401, and/or S-1007 shall determine the designation of process wastewater streams (Group 1 or Group 2) in accordance with 40 CFR §63.132 and 63.2485(c) and demonstrate compliance with Table 7 of 40 CFR Part 63, Subpart FFFF, within 90 days of achieving maximum processing capacity of 69,000 bpd, but no later than 180 days after the startup of S-307 (U240) and S-434 (U246). This determination shall be performed while S-460 (U250) is in operation at the same time. The analysis results that include the sampling test data shall be submitted to the Air District's Engineering Division no later than 60 days from the date of the analysis. After the analysis is complete the Air District will confirm compliance with any applicable regulations and add any associated additional conditions as necessary to maintain compliance with any applicable regulatory requirements prior to issuance of the permit to operate.
(Basis: 40 CFR Part 63, Subpart FFFF, §63.2485 – Requirements for Wastewater Streams)

6. The owner/operator of S-11, S-12, S-13, S-22, S-45, and S-438 shall demonstrate that fuel gas combusted at these sources qualifies as an "other gas 1 fuel," as defined in 40 CFR §63.7575, in accordance with procedures established in 40 CFR §63.7521(f) through (i) and according to the frequency listed in 40 CFR §63.7575(c) and maintain records of the results of the testing as outlined in 40 CFR §63.7555(g). The determination shall be submitted to the Air District's Engineering Division no later than 60 days from the date of the analysis. If the initial sample does not qualify as an "other gas 1 fuel," sources listed in this Part are not considered units designed to burn gas 1 subcategory and shall be in compliance with the emission and operating limits for the appropriate

subcategory in Subpart DDDDD. After sampling is complete the Air District will confirm compliance with any applicable regulations and add any associated additional conditions as necessary to maintain compliance with any applicable regulatory requirements prior to issuance of the permit to operate.
(Basis: 40 CFR 63, Subpart DDDDD, §63.7530(g) – Initial Fuel Speciation Analysis, Recordkeeping).

Initial Compliance Demonstration:
7. The owner/operator shall conduct initial compliance source test on API Separator (S-324)/ Thermal Oxidizers (A-53), DAF Unit (S-1007)/ Thermal Oxidizers (A-49) and/or Carbon Adsorption System (A-51) to demonstrate compliance with Permit Condition #26069 Part 1 and #1440, Parts 7b and 7c, respectively. The owner/operator shall notify the Air District's Source Test Section and Engineering Division in writing of the source test protocols and projected test dates at least 30 days in advance of the initial compliance source test such that the Air District may observe during testing. The results shall be delivered to the Air District's Source Test Section and Engineering Division no later than 60 days from the date of the test. Initial compliance source test shall be conducted within 90 days after achieving 80% of 69,000 bpd, but no later than 180 days after the startup of the Rodeo Renewed Project and shall only use Air District approved source test methods and procedures.
(Basis: Regulation 2-1-403 Compliance Demonstration)

Material Speciation Lab Analyses:
8a. Within 180 days of the startup of S-600 Pretreatment Unit (first two trains) of the Rodeo Renewed Project, the owner/operator shall conduct sampling and testing to determine the level of air toxics (Toxic Air Contaminant, (TAC)) in feed and product streams (including renewable gasoline, renewable jet, renewable diesel and renewable naphtha) for the following process units: S-600 Pretreatment Unit (PTU-first two trains), Unicracking U240 (S-307) and High Pressure Reactor Train U246 (S-434), and Unisar Unit 248 (S-309). Sampling and testing shall be performed under normal "as found" operations for each feedstock (including Soybean Oil, Corn Oil, Canola Oil, Tallow. Used Cooking Oil (UCO), Inedible Corn Oil, Fat Oil Grease (FOG), other Vegetable-Based Oils and/or blended feedstocks. Sampling and testing shall be completed using ASTM D6730 light liquid and gas streams, or D2425 for heavy liquid streams, unless alternative sampling and testing methods are approved by the Air District. The owner/operator shall notify the Air District's Source Test Section in writing of the Air District approved source test methods and procedures and projected test dates at least 30 days prior to the testing date(s). The report shall be submitted to the Air District's Source Test Section and Engineering Division no later than 60 days from the date of completion of sampling and testing. The report shall include the following:

i. Material speciation lab results and/or testing methods used for feed and product streams;
ii. Type of feedstock used during the sampling and testing;
iii. Feed/Processing Rate;
iv. Reference to Permit Application #31157, Permit Condition 27646, Part 8a;
v. The sampling and/or test results shall be used to recalculate the TAC emissions if any TAC concentration or TAC composition is found to be higher or contain any different TACs than the estimated TAC emissions for each exempt, new, altered and/or modified source in the Rodeo Renewed Project;
vi. The owner/operator of the above sources shall submit the revised TAC emissions calculations to the Air District for Health Risk Assessment (HRA) review if the TAC emissions from sampling and testing are found to be higher or contain any different TACs than TAC calculations approved in the Rodeo Renewed Project at the time of the issuance of the Authority to Construct. Exceeding any of the emission rates in the calculations approved at the time of issuance of the AC or finding different TACs in the sampling and testing is not considered a violation provided that the owner/operator can demonstrate compliance with Regulation 2-5-302 project risk requirements with the higher emissions rates and different TAC speciation.

(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase, Regulation 2-5 Toxics)

8b. Within 180 days of the startup of S-600 Pretreatment Unit (3rd train) of the Rodeo Renewed Project, the owner/operator shall conduct sampling and testing to determine the level of air toxics (Toxic Air Contaminant, (TAC)) in feed and product streams (including renewable gasoline, renewable jet, renewable diesel and renewable naphtha) for the following process units: S-600 Pretreatment Unit (PTU-all three trains), Unicracking U240 (S-307) and High Pressure Reactor Train U246 (S-434), and Unisar Unit 248 (S-309). Sampling and testing shall be

performed under normal "as found" operations for each feedstock (including Soybean Oil, Corn Oil, Canola Oil, Tallow. Use Cooking Oil (UCO), Inedible Corn Oil, Fat Oil Grease (FOG), other Vegetable-Based Oils and/or blended feedstocks). Sampling and testing shall be completed using ASTM D6730 light liquid and gas streams, or D2425 for heavy liquid streams, unless alternative sampling and testing methods are approved by the Air District. The owner/operator shall notify the Air District's Source Test Section in writing of the Air District approved source test methods and procedures and projected test dates at least 30 days prior to the testing date(s). The report shall be submitted to the Air District's Source Test Section and Engineering Division no later than 60 days from the date of completion of sampling and testing. The report shall include the following:

i. Material speciation lab results and/or testing methods used for feed and product streams;
ii. Type of feedstock used during the sampling and testing;
iii. Feed/Processing Rate;
iv. Reference to Permit Application #31157, Permit Condition 27646, Part 8b;
v. The sampling and/or test results shall be used to recalculate the TAC emissions if any TAC concentration or TAC composition is found to be higher or contain any different TACs than the estimated TAC emissions for each exempt, new, altered and/or modified source in the Rodeo Renewed Project; and
vi. The owner/operator of the above sources shall submit the revised TAC emissions calculations to the Air District for Health Risk Assessment (HRA) review if the TAC emissions are found to be higher or contain any different TACs than the approved calculations in the Rodeo Renewed Project at the time of issuance of the Authority to Construct. Exceeding any of the emission rates used within the approved calculations at the time of issuance of the AC or finding different TACs in the sampling and testing is not considered a violation provided that the owner/operator can demonstrate compliance with Regulation 2-5-302 project risk requirements.

(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase, Regulation 2-5 Toxics)

Wastewater Lab Analyses:

9a. Within 180 days of the startup of S-600 Pretreatment Unit (first two trains) of the Rodeo Renewed Project, the owner/operator shall conduct sampling and testing to determine wastewater stream (influent to S-381/S-382 PACT) organic and TAC speciation under maximum or near maximum capacity (80% of 80,000 bpd) or normal "as found" operation using the following Air District approved test methods, unless alternative sampling and testing methods are approved by the Air District: EPA Method 350.1, EPA Method 1664A, SM 4500-S2, EPA Method 420.4, and EPA Method 624.1. The owner/operator shall notify the Air District's Source Test Section in writing of the Air District approved source test methods and procedures and projected test dates at least 30 days prior to the testing date(s). The report shall be submitted to the Air District's Source Test Section and Engineering Division no later than 60 days from the date of completion of sampling and testing. The report shall include the following:

i. Material speciation lab results and/or testing method used for wastewater streams;
ii. Type of feedstock used during the sampling and testing;
iii. Feed/Processing Rate;
iv. Reference to Permit Application #31157, Permit Condition 27646, Part 9a;
v. The sampling and/or test results shall be used to recalculate the TAC emissions if any TAC concentration or TAC composition is found to be higher or contain any different TACs than the estimated TAC emissions for each exempt, new, altered and/or modified source in the Rodeo Renewed Project;
vi. The owner/operator of the above sources shall submit the revised TAC emission calculations to the Air District for Health Risk Assessment (HRA) review if the TAC emissions from sampling and testing are found to be higher or contain any different TACs than the calculations approved in the Rodeo Renewed Project at the time of issuance of the Authority to Construct. Exceeding any of the emission rates used within the approved calculations at the time of issuance of the AC or finding different TACs in the sampling and testing is not considered a violation provided that the owner/operator can demonstrate compliance with Regulation 2-5-302 project risk requirements.

(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-1-403 Permit Conditions, Regulation 2-5 toxics)

9b. Within 180 days of the startup of S-600 Pretreatment Unit (3rd train) of the Rodeo Renewed Project, the owner/operator shall conduct sampling and testing to determine wastewater stream (influent to S-381/S-382 PACT) organic and TAC speciation under maximum or near maximum capacity (80% of 80,000 bpd) operation

using the following Air District approved test methods, unless alternative sampling and testing methods are approved by the Air District: EPA Method 350.1, EPA Method 1664A, SM 4500-S2, EPA Method 420.4, and EPA Method 624.1. The owner/operator shall notify the Air District's Source Test Section in writing of the Air District approved source test methods and procedures and projected test dates at least 30 days prior to the testing date(s). The report shall be submitted to the Air District's Source Test Section and Engineering Division no later than 60 days from the date of completion of sampling and testing. The report shall include the following:

i. Material speciation lab results and/or testing method used for wastewater streams;
ii. Type of feedstock used during the sampling and testing;
iii. Feed/Processing Rate;
iv. Reference to Permit Application #31157, Permit Condition 27646, Part 9b;
v. The sampling and/or test results shall be used to recalculate the TAC emissions if any TAC concentration or TAC composition is found to be higher or contain any different TACs than the estimated TAC emissions for each exempt, new, altered and/or modified source in the Rodeo Renewed Project;
vi. The owner/operator of the above sources shall submit the revised TAC emission calculations to the Air District for Health Risk Assessment (HRA) review if the TAC emissions from sampling and testing are found to be higher or contain any different TACs than the calculations approved in the Rodeo Renewed Project at the time of issuance of the Authority to Construct. Exceeding any of the emission rates used within the approved calculations at the time of issuance of the AC or finding different TACs in the sampling and testing is not considered a violation provided that the owner/operator can demonstrate compliance with Regulation 2-5-302 project risk requirements.

(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase, Regulation 2-5 Toxics)

10a. Within 180 days of the startup of S-600 Pretreatment Unit (first two trains) of the Rodeo Renewed Project, the owner/operator shall conduct sampling and testing to determine the amine and sour water influent streams (effluent of S-599 Amine/Sour Water Strippers) organic and TAC speciation under maximum or near maximum capacity (80% of 80,000 bpd) or normal "as found" operation using the following Air District approved test methods, unless alternative sampling and testing methods are approved by the Air District: SW 8260B, Hach TNT 832, UOP 209-00B, EPA Method 610. The owner/operator shall notify the Air District's Source Test Section in writing of the Air District approved source test methods and procedures and projected test dates at least 30 days prior to the testing date(s). The report shall be submitted to the Air District's Source Test Section and Engineering Division no later than 60 days from the date of completion of sampling and testing. The report shall include the following:

i. Material speciation lab results and/or testing method used for amine and sour water streams;
ii. Type of feedstock used during the sampling and testing;
iii. Feed/Processing Rate;
iv. Reference to Permit Application #31157, Permit Condition 27646, Part 10a;
v. The sampling and/or test results shall be used to recalculate the TAC emissions if any TAC concentration or TAC composition is found to be higher or contain any different TACs than the estimated TAC emissions for each exempt, new, altered and/or modified source in the Rodeo Renewed Project;
vi. The owner/operator of the above sources shall submit the revised TAC emissions calculations to the Air District for Health Risk Assessment (HRA) review if the TAC emissions from sampling and testing are found to be higher or contain any different TACs than the calculations approved in the Rodeo Renewed Project at the time of issuance of the Authority to Construct. Exceeding any of the emission rates used within the approved calculations at the time of issuance of the ACor finding different TACs in the sampling and testing is not considered a violation provided that the owner/operator can demonstrate compliance with Regulation 2-5-302 project risk requirements.

(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase, Regulation 2-5 Toxics)

10b. Within 180 days of the startup of S-600 Pretreatment Unit (3rd train) of the Rodeo Renewed Project, the owner/operator shall conduct sampling and testing to determine the amine and sour water influent streams (effluent of S-599 Amine/Sour Water Strippers) organic and TAC speciation under maximum or near maximum capacity (80% of 80,000 bpd) operation using the following Air District approved test methods, unless alternative sampling and testing methods are approved by the Air District: SW 8260B, Hach TNT 832, UOP 209-00B, EPA

Method 610. The owner/operator shall notify the Air District's Source Test Section in writing of the Air District approved source test methods and procedures and projected test dates at least 30 days prior to the testing date(s). The report shall be submitted to the Air District's Source Test Section and Engineering Division no later than 60 days from the date of completion of sampling and testing. The report shall include the following:

i. Material speciation lab results and/or testing method used for amine and sour water streams;
ii. Type of feedstock used during the sampling and testing;
iii. Feed/Processing Rate;
iv. Reference to Permit Application #31157, Permit Condition 27646, Part 10b;
v. The sampling and/or test results shall be used to recalculate the TAC emissions if any TAC concentration or TAC composition is found to be higher or contain any different TACs than the estimated TAC emissions for each exempt, new, altered and/or modified source in the Rodeo Renewed Project;
vi. The owner/operator of the above sources shall submit the revised TAC emissions calculations to the Air District for Health Risk Assessment (HRA) review if the TAC emissions from sampling and testing are found to be higher or contain any different TACs than the calculations approved in the Rodeo Renewed Project at the time of issuance of the Authority to Construct. Exceeding any of the emission rates used within the approved calculations at the time of issuance of the AC or finding different TACs in the sampling and testing is not considered a violation provided that the owner/operator can demonstrate compliance with Regulation 2-5-302 project risk requirements.

(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase, Regulation 2-5 Toxics)

11a. Within 180 days of the startup of S-600 Pretreatment Unit (first two trains) of the Rodeo Renewed Project, the owner/operator shall conduct sampling and testing to determine fuel gas composition and TAC speciation under maximum or near maximum capacity (80% of 80,000 bpd) or normal "as found" operation using the following Air District approved test methods, unless alternative sampling and testing methods are approved by the Air District: ASTM D7833 and ASTM D5504. The owner/operator shall notify the Air District's Source Test Section in writing of the Air District approved source test methods and procedures and projected test dates at least 30 days prior to the testing date(s). The report shall be submitted to the Air District's Source Test Section and Engineering Division no later than 60 days from the date of completion of sampling and testing. The report shall include the following:

i. Material speciation lab results and/or testing methods used for fuel gas streams;
ii. Type of feedstock used during the sampling and testing;
iii. Feed/Processing Rate;
iv. Reference to Permit Application #31157, Permit Condition 27646, Part 11a;
v. The sampling and/or test results shall be used to recalculate the TAC emissions if any TAC concentration or TAC composition is found to be higher or contain any different TACs than the estimated TAC emissions for each exempt, new, altered and/or modified source in the Rodeo Renewed Project;
vi. The owner/operator of the above sources shall submit the revised TAC emissions calculations to the Air District for Health Risk Assessment (HRA) review if the TAC emissions from sampling and testing are found to be higher or contain any different TACs or contain any different TACs than the calculations approved in the Rodeo Renewed Project at the time of issuance of the Authority to Construct. Exceeding any of the emission rates used within the approved calculations at the time of issuance of the AC or finding different TACs in the sampling and testing is not considered a violation provided that the owner/operator can demonstrate compliance with Regulation 2-5-302 project risk requirements with the higher emissions rates and different TAC speciation.

(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase, Regulation 2-5 Toxics)

11b. Within 180 days of the startup of S-600 Pretreatment Unit (3rd train) of the Rodeo Renewed Project, the owner/operator shall conduct sampling and testing to determine fuel gas composition and TAC speciation under maximum or near maximum capacity (80% of 80,000 bpd) operation using the following Air District approved test methods, unless alternative sampling and testing methods are approved by the Air District: ASTM D7833 and ASTM D5504. The owner/operator shall notify the Air District's Source Test Section in writing of the Air District approved source test method and procedures and projected test dates at least 30 days prior to the testing date(s).

The report shall be submitted to the Air District's Source Test Section and Engineering Division no later than 60 days from the date of completion of sampling and testing. The report shall include the following:

i. Material speciation lab results and/or testing method used for fuel gas streams;
ii. Type of feedstock used during the sampling and testing;
iii. Feed/Processing Rate;
iv. Reference to Permit Application #31157, Permit Condition 27646, Part 11b;
v. The sampling and/or test results shall be used to recalculate the TAC emissions if any TAC concentration or TAC composition is found to be higher than the estimated TAC emissions for each exempt, new, altered and/or modified source in the Rodeo Renewed Project;
vi. The owner/operator of the above sources shall submit the revised TAC emissions calculations to the Air District for Health Risk Assessment (HRA) review if the TAC emissions from sampling and testing are found to be higher or contain any different TACs than the calculations approved in the Rodeo Renewed Project at the time of issuance of the Authority to Construct. Exceeding any of the emission rates used within the approved calculations at the time of issuance of the AC or finding different TACs in the sampling and testing is not considered a violation provided that the owner/operator can demonstrate compliance with Regulation 2-5-302 project risk requirements with the higher emissions rates and different TAC speciation.

(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase, Regulation 2-5 Toxics)

12a. Within 180 days of the startup of S-600 Pretreatment Unit (first two trains) of the Renewed Fuel Project, the owner/operator of each S-453 and/or S-455 Cooling Tower shall conduct sampling and testing for total hydrocarbon concentration to determine cooling tower water TAC speciation under maximum or near maximum capacity (80% of 80,000 bpd) or normal "as found" operation using the following Air District approved test methods, unless alternative sampling and testing methods are approved by the Air District: EPA Method 8015D and/or Method 8260/70. Alternatively, the owner/operator may use cooling tower water lab analysis results for compliance with Air District Regulation 11, Rule 10. The report shall be submitted to the Air District's Engineering Division no later than 60 days from the date of completion of sampling and testing. The report shall include the following:

i. Material speciation lab results and/or testing methods used for cooling tower water streams;
ii. Type of feedstock used during the sampling and testing;
iii. Feed/Processing Rate;
iv. Reference to Permit Application #31157, Permit Condition 27646, Part 12a;
v. The sampling and/or test results shall be used to recalculate the TAC emissions if any TAC concentration or TAC composition is found to be higher or contain any different TACs than the estimated TAC emissions for each exempt, new, altered and/or modified source in the Rodeo Renewed Project;
vi. The owner/operator of the above sources shall submit the revised TAC emissions calculations to the Air District for Health Risk Assessment (HRA) review if the TAC emissions from sampling and testing are found to be higher than the calculations approved in the Rodeo Renewed Project at the time of issuance of the Authority to Construct. Exceeding any of the emission rates used within the approved calculations at the time of issuance of the AC or finding different TACs in the sampling and testing is not considered a violation provided that the owner/operator can demonstrate compliance with Regulation 2-5-302 project risk requirements.

(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase, Regulation 2-5 Toxics)

12b. Within 180 days of the startup of S-600 Pretreatment Unit (3rd train) of the Renewed Fuel Project, the owner/operator shall conduct sampling and testing for total hydrocarbon concentration to determine cooling tower water and TAC speciation under maximum or near maximum capacity (80% of 80,000 bpd) operation using the following Air District approved test methods, unless alternative sampling and testing methods are approved by the Air District: EPA Method 8015D and/or Method 8260/70. Alternatively, the owner/operator may use cooling tower water lab analysis results for compliance with Air District Regulation 11, Rule 10. The report shall be submitted to the Air District's Engineering Division no later than 60 days from the date of completion of sampling and testing. The report shall include the following:

i. Material speciation lab results and/or testing methods used for cooling tower water streams;
ii. Type of feedstock used during the sampling and testing;
iii. Feed/Processing Rate;
iv. Reference to Permit Application #31157, Permit Condition 27646, Part 12b;
v. The sampling and/or test results shall be used to recalculate the TAC emissions if any TAC concentration or TAC composition is found to be higher or contain any different TACs than the estimated TAC emissions for each exempt, new, altered and/or modified source in the Rodeo Renewed Project;
vi. The owner/operator of the above sources shall submit the revised TAC emissions calculations to the Air District for Health Risk Assessment (HRA) review if the TAC emissions from sampling and testing are found to be higher or contain any different TACs than the calculations approved in the Rodeo Renewed Project at the time of issuance of the Authority to Construct. Exceeding any of the emission rates used within the approved calculations at the time of issuance of the AC or finding different TACs in the sampling and testing is not considered a violation provided that the owner/operator can demonstrate compliance with Regulation 2-5-302 project risk requirements.

(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase, Regulation 2-5 Toxics)

True Vapor Pressure of Renewable feedstocks and all renewable Products

13. On a monthly basis, the owner/operator of S-425 and/or S-426 shall use Air District approved ASTM D6378 (or ASTM 2879) to determine the true vapor pressure and loading emission factors of renewable feedstocks, renewable diesel, renewable jet, renewable gasoline, and any other renewable products such that the measured true vapor pressure are representative of the maximum true vapor pressure of renewable feedstocks, renewable diesel, renewable gasoline, renewable jet , and any other renewable products for that month. The results shall be used to calculate emissions from renewable feedstock and all renewable products loading operations and to demonstrate compliance with Permit Condition #4336, Parts 15 and 16. The owner/operator shall submit the results to the Air District's Engineering Division no later than 30 days after the twelfth month of testing. After twelve months of testing, the owner/operator may propose a change in testing frequency based on established true vapor pressure of renewable feedstocks and all renewable products from testing. Written approval by the Air District's Engineering Division must be received by the owner/operator prior to a change in testing schedule.
(Basis: Regulation 2-1-403 Permit Conditions)

14. The owner/operator of S-425 and S-426 may develop an Air District approved correlation between true vapor pressure and initial boiling point using ASTM D86 to comply with Part 13. The testing plan shall include the following:

a. Testing schedule (i.e., number of tests/data points);
b. Parameters and test methods;
c. Acceptance criteria (i.e., correlated or uncorrelated);

The owner/operator shall obtain written approval from the Air District's Engineering Division prior to using the correlation, if any, for the determination of true vapor pressure.
(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase)

15. Within 180 days of the authority to construct issuance of the Rodeo Renewed Project, the owner/operator of SourcesS-307, S-434 and/or S-1010 shall submit a separate New Source Review application to the Air District to change the combined bubble permit limits in condition #1694, Part A.4, #23125, Part 11, and #22970, Part 2.
(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase)

16. The owner/operator of the Rodeo Renewed Project shall document, monitor, and maintain the following records to demonstrate the non-applicability determination of a major modification (as defined in Regulation 2-1-234):

a. Description of the project;
b. Identification of all of the sources associated with the Rodeo Renewed Project;

c. Description of the applicability calculations used to determine that the Rodeo Renewed Project is not a "major modification" for that pollutant, including baseline actual emissions, projected actual emissions, and any "netting" that was used; and
d. Monitor and keep a record of emissions at each source associated with the Renewable Fuels Project (in tons per year on a calendar year basis).
e. The report shall be signed by the responsible official as being true, accurate and complete.

These records shall be kept on-site for at least 5 years. All records shall be recorded in an Air District approved log and made available for inspection by Air District staff upon request.

After 5 calendar years of the Rodeo Renewed Project operation, the owner/operator shall submit a report to the Air District's Engineering Division and EPA stating (i) the facility name, address, telephone number, Application No. 31157, and (ii) the annual emissions for all sources associated with the Renewable Fuels Project to verify that the Renewable Fuels Project is not a major modification.
(Basis: Regulation 2-1-234.2 Increase Over Actual Emissions Baseline)

17. Within 180 days of operation, the owner/operator of Pretreatment Unit, S-600, shall perform an Air District-approved source test to demonstrate compliance with the 0.32 g/m^2 silt loading factor for paved roads within the facility boundary. The owner/operator shall submit a silt loading testing protocol, which includes the locations and procedures according to AP-42, to the Air District's Engineering Division for approval prior to testing. Any exceedance of the 0.32 g/ m^2 silt loading factor used for paved roads shall be considered a violation of this condition and shall require the owner/operator to submit a permit application to the Air District for review. (Basis: Regulation 2-2-208 Cumulative Increase)

18. Within 180 days of the startup of each source S-11, S-12, S-13, S-22, S-45, S-352 through S-357, S-438, A-599/A-600 and/or A-601/A-602, the owner/operator shall conduct an initial and at least once every consecutive 5 year period thereafter (in the year prior to the Title V Permit Renewal application submittal) compliance source testing in order to demonstrate compliance with the Vapor Recovery System A-7's minimum capture and destruction efficiency of at least 98% by weight per:
- Permit Condition 22963, Part 3 for S-139 and S-140, storage tanks
- Permit Condition 12131 for S-446, storage tank
- Permit Condition 12132 for S-447, storage tank

The owner/operator shall notify the Air District's Compliance and Enforcement Division, Source Test Section, and Engineering Division at least 30 days in advance of the initial and once every consecutive 5 year period compliance source tests such that the Air District may observe during testing. The results shall be delivered to the Air District's Source Test Section no later than 60 days from the date of the test. If the TOC capture and destruction efficiency is greater than or equal to 98% by weight, the source testing results show compliance with the assumptions used in analysis for the issuance of the authority to construct of the Renewable Fuels Project and no further action will be required. For the purpose of these conditions TOC shall be considered equal to POC and equal to NMOC.

For each source, the owner/operator of S-11, S-12, S-13, S-22, S-45, S-352 through S-357, S-438, A-599/A-600 and/or A-601/A-602 shall measure the following:
- the fuel feed rate in SCFM
- the TOC emission rate at the stack
- the flue gas flow rate in SCFM at the stack
- the oxygen content of the stack flue gas
- the destruction efficiency of TOC as measured across the Furnace/combustion device.

The owner/operator shall ensure that copies of the results of the source testing along with related calculations and relevant process data are received by the Air District's Engineering Division and Source Test Section not more than 60 days following the date of the source test.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-5 Toxics, Regulation 2-2-302 Offsets, Regulation 1-238 Parametric Monitor)

Contemporaneous *Onsite* Emissions Reduction Credits

19. Within 90 days after the startup of any equipment of the Rodeo Renewed Project, the owner of S-29, S-30, S-36, S-109, S-350, S-351, S-439, S-442, S-1002 and/or S-1003 shall submit a Device Data Update Form (Form DDU) to ensure all sources used for contemporaneous onsite emission reduction credits to offset emissions increases for this project are permanently shutdown and their permits surrendered. The owner/operator shall enter into the record log both dates when each of the unit was shut down and disconnected or dismantled.

The final CERCs shall be based on the future shutdown date of each S-29, S-30, S-36, S-109, S-350, S-351, S-439, S-442, S-1002 and/or S-1003. The final CERCs will be adjusted based on the baseline period ending date (shutdown date) when the emission reduction becomes enforceable (when the owner/operator relinquishes the source's permit). The owner/operator shall provide any additional emission credits if the final CERCs are less than the required CERCs required in the Application 31157.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-221 and 2-2-302/303 Offsets, Regulation 2-2-231 Equivalence Credit, Regulation 2-2-603.3 Baseline period ending date)

20. Within 90 days of the completion of the installation/replacement of all fugitive components in Permit Condition #27658, Part 11, the owner/operator of S-350, S-1002 and/or S-1003 shall submit a final count of removed components by source associated with the Rodeo Renewed Project for contemporaneous onsite emission reduction credits to offset emissions increases for this project. A total of 2.605 tons per year of POC emissions have been credited for the removal of the following fugitive components:

2,216	valves
3,036	connectors
47	PSV's/PRV's
25	pumps
362	process drains

If the removed fugitive component counts exceed or are less than the component counts stated above, the contemporaneous onsite emission reduction credits shall be adjusted as needed, subject to APCO approval, to reflect contemporaneous onsite emission reduction credits from actual removed component counts based on the date that the emissions reduction becomes enforceable.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-221 and 2-2-302 Offsets, Regulation 2-2-231 Equivalence Credit)

21. The owner/operator of storage tanks S-111, S-112, S-113, S-135, S-137, S-173, S-340, and/or S-445 may continue to store but shall not load any organic petroleum materials after the startup of the first source (or any source) from the Rodeo Renewed Project. The Air District shall issue an exemption certificate for storage tanks S-111, S-112, S-113, S-135, S-137, S-173, S-340, and/or S-445 only after the owner/operator notifies the Engineering Division of the storage service change from the organic petroleum materials to exempt renewable feedstocks and/or renewable diesels.

The owner/operator of S-111, S-112, S-113, S-135, S-137, S-173, S-340, and/or S-445 shall submit a new application to the Air District for the New Source Review (NSR) and approval before the storage tank(s) S-111, S-112, S-113, S-135, S-137, S-173, S-340, and/or S-445 is/are being used in a non-exempt service.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-1-123.3.2 exemption, Reg 2-1-123.3.6 (storage of tallow or vegetable oils, Regulations 2-1-301/302)

22. The owner/operator of storage tanks S-97, S-110, S-114, S-174, S-175, S-261, S-334, S-360, S-448, S-449 and/or S-506 shall not load any organic petroleum materials after the startup of the first source (or any source) from the Rodeo Renewed Project. The Air District shall issue an exemption certificate for storage tanks S-97, S-110, S-114, S-174, S-175, S-261, S-334, S-360, S-448, S-449 and/or S-506 only after these tanks are cleaned and ready to store exempt renewable feedstocks and/or renewable diesel services. The owner/operator of these tanks shall notify

the Engineering Division of the storage service change from the organic petroleum materials to exempt renewable feedstocks and/or renewable diesel before the Permit to Operate issuance of the first source (or any source) from the Rodeo Renewed Project.

The owner/operator of S-97, S-110, S-114, S-174, S-175, S-261, S-334, S-360, S-448, S-449 and/or S-506 shall submit a new application to the Air District for the New Source Review (NSR) and approval before the storage tank(s) S-97, S-110, S-114, S-174, S-175, S-261, S-334, S-360, S-448, S-449 and/or S-506 is/are being used in a non-exempt service.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-1-123.3.2 exemption, Reg 2-1-123.3.6 (storage of tallow or vegetable oils, Regulations 2-1-301/302)

Permit Condition #27647 (delete Condition 22965 and 22967)

Application 31157 (2022 – Initial Issuance): Phillips 66 Rodeo Renewed Project.

S-307 U240 Unicracking Unit
S-434 U246 High Pressure Reactor Train
S-460 U250 Ultra Low Sulfur Diesel Hydrotreater
S-309 U248 Unisar Unit

1. The owner/operator of S-307, S-434 and/or S-460 combined shall not produce more than 67,000 barrels of renewable fuels per day based on a consecutive rolling 12-month period. (Basis: Regulation 2-2-208 Cumulative Increase, CEQA)

2. The owner/operator shall ensure that the combined renewable feedstock throughput of U240 Unicracking Unit (S-307) and U246 High Pressure Reactor Train (S-434) does not exceed 69,000 barrels per calendar day.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-1-403)

3. The owner/operator shall ensure that the renewable feedstock throughput of U240 Unicracking Unit (S-307) does not exceed 42,000 barrels per calendar day and/or 15,330,000 barrels in any consecutive 12-month period.
(Basis: Regulation 2-2-208 Cumulative Increase

4. The owner/operator shall ensure that the renewable feedstock throughput of U246 High Pressure Reactor Train (S-434) does not exceed 30,000 barrels per calendar day and/or 9,855,000 barrels in any consecutive 12-month period.
(Basis: Regulation 2-2-208 Cumulative Increase)

5. The owner/operator of U248 Unisar Unit (S-309) shall ensure that the renewable Jet throughput does not exceed 16,740 barrels per calendar day and/or 6,110,100 barrels over any consecutive rolling 12-month period
(Basis: Regulation 2-2-208 Cumulative Increase)

6. The owner/operator of all pressure relief devices at S-307 and S-434 shall vent the emissions to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of at least 98% by weight. [8-28-302, BACT]

7. To determine compliance with the above condition(s), the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including, but not necessarily limited to, the following information:
a. On a daily basis, type and amount of renewable feedstock and products processed at each and combined sources (S-307, S-434 and S-460) and amount of feedstock and renewable Jet and other renewable products processed at S-309. The daily amounts of materials shall be totaled on both a monthly and consecutive 12-month period basis.

These records shall be kept on-site for at least 5 years. All records shall be recorded in an Air District approved log and made available for inspection by Air District staff upon request. These recordkeeping Requirements shall not replace the recordkeeping Requirements contained in any applicable Air District Regulations.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 1-441)

Permit Condition #27648

Application 31157 (2022 – Initial Issuance): Phillips 66 Rodeo Renewed Project.
S-599 Sour Water Strippers and Amine Treatment System abated by

U237 Sulfur Treatment Unit (STU-2 trains) consisting of
- A-598 Thermal Oxidizer and A-599 SO2 Scrubber; and/or
- A-600 Thermal Oxidizer and A-601 SO2 Scrubber; or

S-1010 SRU Unit 235 (backup unit during emergencies only)

1. The owner/operator shall abate S-599 Amine system and Sour Water Strippers with the properly maintained and properly operated per manufacturer's specifications A-598 Thermal Oxidizer/A-599 SO2 Scrubber, and/or A-600 Thermal Oxidizer/A-601 SO2 Scrubber and/or Sulfur Plant Unit 235 (S-1010) at all times. S-1010 shall be used only during emergencies (unplanned outages) of Unit 237 Sulfur Treatment Unit.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-5)

2. The owner/operator of A-598 and/or A-600 thermal oxidizers shall each not exceed 7.4 MMBtu/hr of natural gas, and/or 64,824 MMBtu during any consecutive rolling 12-month period.
(Basis: Regulation 2-2-208 Cumulative Increase, BACT)

3. The owner/operator of A-599 and/or A-601 shall each not exceed a maximum flowrate of 3,070 DSCFM. The owner/operator of A-599 and/or A-601 shall install, maintain and operate an Air District's approved continuous flow meter on each of the scrubber's exhaust (A-599 and/or A-601).
(Basis: Regulation 2-2-208 Cumulative Increase, BACT)

4. The owner/operator of A-599 and/or A-601 shall each not exceed
   a. 150 ppmvd of NOx at 3% O2 (averaged on 1-hour basis) or 0.24 lb/MMBtu
   b. 90 ppmvd of CO at 3% O2 (averaged on 1-hour basis) or 0.09 lb/MMBtu
   c. 50 ppmvd of SO2 at 3% O2 (averaged on 1-hour basis) or 0.11 lb/MMBtu
   d. 3 ppmvd of TOC at 3%O2(averaged on 1-hour basis) or 0.0045 lb/MMBtu
   e. 10 ppmvd of Ammonia at 3% O2 (averaged on 1-hour basis)
   f. 2.14 ppmvd of H2S at 3% O2(averaged on 1-hour basis)
   g. 167 ppmvd of Sulfuric Acid Mist at 3% O2 (averaged on 1-hour basis)
   h. The daily PTE limit for each pollutant shall be calculated based on the maximum firing rate in Part 2 multiplied by the emission factors above (Parts 4a through 4d) or on the concentrations (Parts 4e through 4g) and flow rate in Part 3, based on 24 hours per day of operation

For the purpose of these conditions TOC shall be considered equal to POC and equal to NMOC
(Basis: Regulation 2-2-208 Cumulative Increase, RACT for NOx and CO)

5. The owner/operator of each A-599 and/or A-601 shall not exceed any of the following hourly limits from S-599:
   a. PM10/PM2.5 = Sulfuric acid mist: 0.73 lb/hr for a single stack; and/or 0.95 lb/hr for both stacks combined
   b. H2S: 0.041 lb/hr for a single stack; and/or 0.081 lb/hr for both stacks combined
   c. NH3: 0.095 lb/hr for a single stack; and/or 0.19 lb/hr for both stacks combined
   d. NOx: 1.76 lb/hr for a single stack; and/or 3.5 lb/hr for both stacks combined
   e. CO: 0.64 lb/hr for a single stack; and/or 1.3 lb/hr for both stacks combined
   f. TOC: 0.033 lb/hr for a single stack; and/or 0.07 lb/hr for both stacks combined
   g. SO2: 0.81 lb/hr for a single stack; and/or 1.6 lb/hr for both stacks combined

For the purpose of these conditions TOC shall be considered equal to POC and equal to NMOC
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-5)

6. The owner/operator shall ensure that the total emissions, including startups, shutdowns, upsets, and/or malfunctions, from each A-599 and/or A-601, do not exceed any of the following limits per any consecutive rolling 12-month period:

a. SO2: 3.5 tons [Cumulative Increase, BACT]
b. NOx: 7.7 tons [RACT, Cumulative Increase]
c. CO: 2.8 tons [Cumulative Increase, RACT]
d. TOC: 0.15 tons (calculate as propane) [Cumulative Increase]
f. PM10: 3.2 tons [Cumulative Increase, BACT]
g. PM2.5 3.2 tons [Cumulative Increase, BACT]
g. Sulfuric acid mist: 3.2 tons [Regulation 2, Rule 5]
h. H2S: 0.178 tons [Regulation 2, Rule 5]
i. NH3: 0.415 tons [Regulation 2, Rule 5]

For the purpose of these conditions TOC shall be considered equal to POC and equal to NMOC

7. The owner/operator shall ensure that the total emissions, including startups, shutdowns, and/or malfunctions, from A-599 and/or A-601 combined, do not exceed any of the following limits per any consecutive rolling 12-month period:

a. SO2: 4.6 tons [Cumulative Increase, Offsets]
b. NOx: 10 tons for all A-599, A-601 and/or S-1010 (SRU Unit 235) combined [RACT, Cumulative Increase, Offsets]
c. CO: 3.6 tons [Cumulative Increase]
d. TOC: 0.19 tons (calculate as propane) [Cumulative Increase, Offsets]
f. PM10: 4.16 tons [Cumulative Increase, Offsets]
g. PM2.5 4.16 tons [Cumulative Increase, Offsets]
h. Sulfuric acid mist: 4.16 tons [Regulation 2, Rule 5]
i. H2S: 0.356 tons [Regulation 2, Rule 5]
j. NH3: 0.829 tons [Regulation 2, Rule 5]

For the purpose of these conditions TOC shall be considered equal to POC and equal to NMOC

8. The owner/operator shall properly operate A-598 and/or A-600 to be at least 2,100 degrees F at the first furnace (Reduction furnace) before abating S-599. The Air District may adjust this minimum temperature, if source test data demonstrates that an alternate temperature is necessary for or capable of maintaining compliance with Parts 4, 5, 6 and 7 above.
(Basis: Regulation 2-2-208 Cumulative Increase)

9. To determine compliance with the temperature requirement in these permit conditions, the owner/operator shall equip each A-598 and/or A-600 with a temperature measuring device capable of continuously measuring and recording the temperature in each A-598 and/or A-600. The owner/operator shall properly install, properly operate, and properly maintain in accordance with manufacturer's recommendations, a temperature measuring device that meets the following criteria: the minimum and maximum measurable temperatures with the device are 700 degrees F and 3,700 degrees F, respectively, and the minimum accuracy of the device over this temperature range shall be 1.0 percent of full-scale.
(Basis: Regulation 2-2-208 Cumulative Increase)

10. The owner/operator of A-598 and/or A-600 shall not be subject to the temperature limit in Part 8 during an "Allowable Temperature Excursion", provided that the temperature controller setpoint complies with the temperature limit. An Allowable Temperature Excursion is one of the following:

a. A temperature excursion not exceeding 20 degrees F; or
b. A temperature excursion for a period or periods which when combined are less than or equal to 15 minutes in any hour; or

c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met.

i. the excursion does not exceed 50 degrees F;

ii. the duration of the excursion does not exceed 24 hours; and

iii. the total number of such excursions does not exceed 12 per calendar year (or any consecutive 12-month period).

Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour period shall be counted as one excursion toward the 12-excursion limit.
(Basis: Regulation 2-1-403)

11. For each Allowable Temperature Excursion that exceeds 20 degrees F and 15 minutes in duration, the owner/operator shall keep sufficient records to demonstrate that they meet the qualifying criteria described above. Records shall be retained for a minimum of five years from the date of entry, and shall be made available to the Air District upon request. Records shall include at least the following information:

a. Temperature controller setpoint;

b. Starting date and time, and duration of each Allowable Temperature Excursion;

c. Measured temperature during each Allowable Temperature Excursion;

d. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and

e. All strip charts or other temperature records.

(Basis: Regulation 2-1-403)

12. Prior to the commencement of construction, the owner/operator of A-599 and/or A-601 shall submit plans to the Air District's Source Test Division to obtain approval of the design and location of the source test ports. The sample ports shall be installed in accordance with Air District's Manual of Procedures and EPA Method 1. Ports for filterable particulate and PM10 and PM2.5 testing shall be installed. (Regulation 1-501, Regulation 6 Rule 1)

13. No later than 90 days from the initial startup of eachA-598/599 and annually thereafter, the owner/operator shall conduct Air District-approved source test to determine initial and annual compliance with the limits in Parts 4 and 5. To demonstrate compliance with Parts 4h, 6, and 7, the owner/operator shall record the feed gas (acid and/or amine) and natural gas usage on a daily, monthly, and rolling 12 consecutive month basis in an Air District approved log, in units of MMscf per day, month, and consecutive 12 month period, respectively, and perform emissions calculations for each pollutant identified in Parts 4h, 6, and 7 using the latest approved source test emissions factors, in units of lbs/MMscf multiplied by the feed gas and/or natural gas usage in MMscf per day, month, consecutive 12 month period.

The owner/operator shall submit a proposed source test protocol to the Source Test group at least 30 days before conducting the source test. Within 60 days of the source test, the owner/operator shall submit the results of the source test to the Air District. The owner/operator shall repeat the source test every calendar year afterward. The owner/operator may propose a change in testing frequency after 3 years if the source test results are consistently below 50% of the limits in Parts 4, 5, 6 and/or 7. Written approval by the Air District's Engineering Division shall be received by the owner/operator prior to the change in testing schedule. The owner/operator shall revert to yearly source testing once the source test results exceed 50% of the limits in Parts 4, 5, 6 and/or 7. [BACT, Cumulative Increase; Offsets; Regulation 2, Rule 5]

14. No later than 90 days from the initial startup of each A-600/601 and annually thereafter, the owner/operator shall conduct Air District-approved source test to determine initial and annual compliance with the limits in Parts 4 and 5. To demonstrate compliance with Parts 6 and 7, the owner/operator shall record the feed gas (acid and/or amine) and natural gas usage on both a monthly and rolling 12 consecutive month basis in an Air District approved log, in units of MMscf per month and consecutive 12 month period, respectively, and perform emissions calculations for each pollutant identified in Parts 6 and 7 using the latest approved source test emissions factors, in units of lbs/MMscf multiplied by the feed gas and/or natural gas usage in MMscf per consecutive 12 month period.

The owner/operator shall submit a proposed source test protocol to the Source Test group at least 30 days before conducting the source test. Within 60 days of the source test, the owner/operator shall submit the results of the source test to the Air District. The owner/operator shall repeat the source test every calendar year afterward. The owner/operator may propose a change in testing frequency after 3 years if the source test results are consistently below 50% of the limits in Parts 4, 5, 6 and/or 7. Written approval by the Air District's Engineering Division shall be received by the owner/operator prior to the change in testing schedule. The owner/operator shall revert to yearly source testing once the source test results exceed 50% of the limits in Parts 4, 5, 6 and/or 7. [BACT, Cumulative Increase; Offsets; Regulation 2, Rule 5]

15. The owner/operator shall properly maintain and properly operate A-599 and/or A-601 SO2 Scrubbers according to the manufacturer's specification such that the liquid circulation rate shall not be below 120 gallons per minute. The owner/operator of A-599 and/or A-601 shall properly install, properly maintain, properly calibrate and properly operate per manufacturer's specifications an Air District's approved continuous liquid flow meter on each of the SO2 Scrubber. (Basis: Regulation 2-2-208 Cumulative Increase, BACT)

16. The owner/operator shall properly maintain and properly operate A-599 and/or A-601 SO2 Scrubbers according to the manufacturer's specification such that the pH shall not be below 6 on a daily average basis (or a value greater than 6, if APCO determines that a larger pH value is necessary to adequately ensure that sulfur dioxide emissions from S-599 and/or A-601 are abated by 97% by weight). The owner/operator shall perform an annual inspection and calibration on the pH meter. (Basis: Regulation 2-2-208 Cumulative Increase, BACT)

17. Within 90 days of the startup of the Sulfur Treatment Unit, the owner/operator of S-599, and A-598 through A-601 shall properly install, properly maintain, properly calibrate and properly operate per manufacturer's specifications, an Air District approved certified NOx continuous emission monitor (CEMS) to demonstrate compliance with Parts 4, 5 ,6 and/or 7. The owner/operator of S-599 and A-598 through A-601 shall perform daily calibrations, quarterly audit and annual RATA tests in accordance with Appendix B and F. (Basis: Regulation 2-2-208 Cumulative Increase, BACT, Regulation 1-522)

The NOx concentration (150 ppm @ 3%O2), lb/MMBtu and lb/hr limits in Parts 4 and 5 of Condition 27648 shall not apply during startup and shutdown events. Startup and shutdowns shall not exceed 36 hours per event. The 36 hour startup period is in addition to the heater's refractory change out (including the dryout/warmup periods), which shall not exceed 60 hours per refractory change out.
(Basis: Regulation 2-2-208 Cumulative Increase, BACT)

18. Within 90 days of the startup of the Sulfur Treatment Unit, the owner/operator of S-599 and A-598 through A-601 shall properly install, properly maintain, properly calibrate and properly operate per manufacturer's specifications, an Air District approved certified SO2 continuous emission monitor (CEMS) to demonstrate compliance with Parts 4, 5 ,6 and/or 7 at all times of operation. The owner/operator of S-599 and A-598 through A-601 shall perform daily calibrations, quarterly audit and annual RATA tests in accordance with Appendix B and F. (Basis: Regulation 2-2-208 Cumulative Increase, BACT, Regulation 1-522)

19. To determine compliance with the above condition(s), the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including, but not necessarily limited to, the following information:

a. Date, time, and duration of startups, shutdowns, upsets, and malfunctions from S-599, A-598 through A-601
b. On a hourly basis, type and amount (DSCF) of gas being burned at A-598 and/or A-600;
c. Records of the exhaust flow rate at A-598/A-599 and/or A-600/A-601;
d. Records of all source test results including the measured exhaust flow rate and emission factors at A-598/A-599 and/or A-600/A-601;
e. Daily and monthly emission calculations based on source test results of Parts 4 and 5, totaled on a consecutive 12 month basis per parts 6 and 7;
f Daily records of pH measured three times per day (once per shift, 3 shifts per day) and averaged on a daily basis and liquid circulation rates of A-599 and/or A-601 reading per parts 15 and 16;

g. Continuous temperature record at A-598 and/or A-600 per Part 8; and
h. Record of annual inspection and calibration of the pH meter.

These records shall be kept on-site for at least 5 years. All records shall be recorded in an Air District approved log and made available for inspection by Air District staff upon request. These recordkeeping Requirements shall not replace the recordkeeping Requirements contained in any applicable Air District Regulations.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 1-441)

20. When operating S-599 with S-1010 during emergencies, the owner/operator of S-599 shall continue to comply with the most stringent requirements of either Conditions 27818 and/or 27648.
(Basis: Regulation 1-107, Regulation 2-2-208 Cumulative increase)

Permit Condition #27649

Application 31157 (2022 – Initial Issuance): Phillips 66 Rodeo Renewed Project.

Source S-600 Pretreatment Unit (3 Trains)
S-606 Spent Water Tank
S-612 (2 DAF units)
S-613 (3 Process Tanks)
S-616 (2 Collection Tanks)
All sources above are abated by:

- A-622, Bioflter or A-624 Biofilter; and
- A-623, Activated Carbon Vessel or A-625, Activated Carbon Vessel

1. The owner/operator of S-600 shall not exceed 80,000 barrels of Renewable Feedstock in any calendar day and/or 29,200,000 barrels in any consecutive rolling 12-month period. (Basis: Regulation 2-2-208 Cumulative Increase)

2. The owner/operator of S-606 Spent Water Tank shall ensure that throughput does not exceed 576,000 gallons per calendar day and/or 210,240,000 gallons of spent water in any consecutive rolling 12-month period.
(Basis: Regulation 2-2-208 Cumulative Increase)

3. The owner/operator of S-612 (2 DAF Units) shall ensure the throughput does not exceed 576,000 gallons per calendar day and/or 210,240,000 gallons of wastewater combined for 2 DAF units in any consecutive rolling 12-month period.
(Basis: Regulation 2-2-208 Cumulative Increase)

4. The owner/operator of S-613 (3 process tanks) shall ensure the throughput does not exceed 576,000 gallons per calendar day and/or 210,240,000 gallons of wastewater combined for 3 tanks in any consecutive rolling 12-month period.
(Basis: Regulation 2-2-208 Cumulative Increase)

5. The owner/operator of S-616 (2 Collection Tanks) shall ensure the throughput does not exceed 144,000 gallons per calendar day and/or 52,560,000 gallons of wastewater combined for 2 tanks in any consecutive rolling 12-month period.
(Basis: Regulation 2-2-208 Cumulative Increase)

6. The owner/operator of S-600, Pretreatment Unit shall abate S-600 and its associated equipment (including S-606, S-612, S-613 and S-616) with Biofilter (A-622) or Biofilter (A-624) and Activated Carbon Vessel (A-623) or Activated Carbon Vessel (A-625) at all times when S-600 is in operation. The owner/operator shall properly

maintain, properly service and properly operate A-622 through A-624 according to the manufacturer's specifications.
(Basis: Regulation 2-2-208 Cumulative Increase, Offsets)

7. The owner/operator of Activated Carbon Vessels A-623 and/or A-625. shall each not exceed a maximum flowrate of 2,200 DSCFM (and/or 4,400 DSCFM combined). The owner/operator of A-623 and/or A-625 shall properly install, properly maintain, properly calibrate and properly operate per manufacturer's specifications, an Air District approved continuous flow meter at the blower's exhaust to the combined stack of the activated carbon vessels (A-623 and/or A-625).
(Basis: Regulation 2-2-208 Cumulative Increase)

8. The owner/operator of S-600 and its associated equipment (including S-606, S-612, S-613 and S-616) shall not exceed 10 ppmv (measured as methane, C1) at the outlet of both Activated Carbon Vessels (A-623 and A-625).
(Basis: Regulation 2-2-208 Cumulative Increase)

9. The owner/operator of S-600 and its associated equipment (including S-606, S-612, S-613 and S-616) shall not exceed 2.6 pounds TOC per calendar day and/or 956 pounds TOC per any consecutive rolling 12-month period. For the purpose of these conditions TOC shall be considered equal to POC and equal to NMOC. (Basis: Regulation 2-2-208 Cumulative Increase, Offsets)

10. The owner/operator of S-600 and its associated equipment (including S-606, S-612, S-613 and S-616), and Activated Carbon Vessels A-623 and A-625 shall monitor the daily TOC concentrations with a GC analyzer, flame-ionization detector (FID), or other method approved in writing by the Air Pollution Control Officer at the following locations:

a. At the inlet to the carbon vessel
b. At the outlet of the carbon vessel

(Basis: Regulation 2-2-208 Cumulative Increase)

11. The owner/operator of S-600 shall record these monitor readings in a monitoring log at the time they are taken. The monitoring results shall be used to estimate the frequency of carbon change-out necessary to maintain compliance with Parts 8 and 9 and shall be conducted on a daily basis.
(Basis: Regulation 2-2-208 Cumulative Increase)

12. The owner/operator of Activated Carbon Vessels A-623 and A-625 shall change out the last carbon vessel with unspent carbon upon detection at its outlet of 10 ppmv (measured as C1).
(Basis: Regulation 2-2-208 Cumulative Increase)

13. The owner/operator of this source shall maintain the following records for each day of operation of the source:

a. Daily amount of throughput at S-600 and its associated equipment (including S-606, S-612, S-613 and S-616), totaled on both a monthly and consecutive 12-month period basis;
b. Daily records of the exhaust flow rate at A-623 and/or A-625;

c. Daily TOC monitor reading and emission calculations, totaled on a calendar day, monthly, and consecutive 12-month period basis. The daily emission calculation shall be calculated using the outlet concentration from Part 10 multiplied by the actual daily flow rate of both A-623 and A-625 combined and assumed 24 hours of operation per day. The owner/operator of S-600 shall multiply the daily emission by 365 and divide by 2000 to get the tonnage for compliance demonstration with Part 9 above
d. Daily TAC emission calculations based on the result of Condition #27646 Part 11 analysis, totaled on both a monthly and consecutive 12-month period basis;
e. The hours and times of operation of S-600, A-622, A-623, A-624 and A-625;
f Daily TOC monitor reading or analysis result for the day of operation they are taken;
g. GC and/or FID annual maintenance and calibration records per manufacturer's recommendations; and
h. Date, time and the number of carbon vessels removed from service.

All measurements, records and data required to be maintained by the owner/operator shall be retained and made available for inspection by the Air District for at least five years following the date the data is recorded
(Basis: Regulation 2-2-208 Cumulative Increase)

14. The owner/operator of S-600 PTU, A-622, A-623, A-624 and-625 shall ensure visible particulate emissions from S-600 PTU does not exceed Ringelmann 0.5 or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301.
(Basis: Regulation 1-301, Regulation 6-1-301 and 6-1-305)

15. The owner/operator of S-600 PTU, A-622 through A-625 shall not discharge any odorous substance which causes the ambient air at or beyond the property line to be odorous.
(Basis: Regulation 7)

16. The owner/operator of S-600 PTU shall maintain, update and operate the Odor Prevention and Management Plan as reviewed and approved by the County of Contra Costa.
(Basis: Regulation 2-1-403 Permit Condition, CEQA)

17. The owner/operator shall operate A-622 and/or A-624 Biofilters within the following parametric ranges to ensure compliance with the performance standards specified in Parts 8, 9, 14, and/or 15:

a. Daily pH of the biofilter media shall be maintained at minimum 1.5;
b. The pressure drop across each biofilter shall be greater than 0.25 inches of water and less than 5 inches of water;
c. Each biofilter S-622 and/or A-624 shall maintain a minimum water spray rate of 400 gallons per day.

(Basis: Regulation 1-301, Regulation 2-1-403, Regulation 6-1, Cumulative Increase)

18. The owner/operator of A-622 and/or A-624 shall properly install, properly operate, properly calibrate and properly maintain per manufacturer's specifications at A-622 and/or A-624 with the following minimum requirements:

a. Follow manufacturer's proposed design and recommended operating, calibrating and maintenance specifications of the pH, flow meter and pressure differential gauge;
b. Equip A-622 and/or A-624 with a water drain system. The water drain system shall be controlled by adjusting the water flow rate based on the pH;
c. Replace biofilter media at a frequency recommended by the manufacturer;
d. Inspect water sprayers, water pumps, and fans daily to ensure that they are operating satisfactorily and consistent with the manufacturer's specifications. The owner/operator shall maintain records of the date and time of inspection, results of inspection, equipment manufacturer's specifications, and record any corrective actions taken;
e. Installation of an alarm system that notifies the owner/operator before any parameter in part 17 exceedance occurs.

The owner/operator may implement additional measures to ensure that each biofilter A-622 and/or A-624 meets the emission limits, and reduces the odor as required in Parts 8, 9, 14 and 15.
[Basis: Regulations 1-301, 2-1-403, and 6-1; Cumulative Increase]

19. The owner/operator of A-622 and/or A-624 shall monitor and record in an Air District-approved log the following operating parameters of A-622 and/or A-624:

a. The pH of the biofilter media shall be measured and recorded daily using an Air District approved pH meter;
b. Pressure drop across each filter shall be measured and recorded on a daily basis;
c. Water flow rate across each biofilter shall be measured and recorded on a daily basis;
d. Biofilter's condition and integrity shall be assessed visually daily for signs of deterioration;
e. pH, flow meter and pressure differential gauge maintenance and calibration records per the manufacturer's recommendation and specifications;
f. Document the time when any parameter operates out of range and corrective action.

(Basis: Regulations 1-301, 2-1-403, and 6-1; Cumulative Increase)

CONDITION #27650

Application 31157 (2022 – Initial Issuance) - Phillips 66 Rodeo Renewed Project.

Source S-602 Filter Aid Storage (9) Silos abated by A-606 through A-614 Baghouses (9), and Truck Unloading/Traffic

1. The owner/operator shall ensure that Source S-602, Filter Aid Storage Silos, are abated by A-606 through A-614, Baghouses at all times when S-602 is in operation.
(Basis: Cumulative Increase, Offsets, Regulation 6-1-301, 6-1-311.1)

2. The owner/operator of S-602 shall ensure visible particulate emissions from each baghouse (A-606 through A-614) does not exceed Ringelmann 0.5 or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301.
(Basis: Regulation 1-301, Regulations 2-1-403, 6-1-301, and 6-1-305)

3. The owner/operator of S-602 shall ensure the outlet grain loading for each A-606 through A-614 baghouses does not exceed 0.0015 grain/dscf of PM_{10}/$PM_{2.5}$ (front and back half).
(Basis: Regulation 2-2-208 Cumulative Increase)

4. The owner/operator shall ensure the exhaust gas flow rate for each A-606 through A-614 baghouses does not exceed a maximum flow rate of 1,600 dscfm.
(Basis: Regulation 2-2-208 Cumulative Increase)

5. The owner/operator shall ensure the total throughput of filter aid at S-602 does not exceed 158,016 pounds per calendar day and/or 28,838 tons in any consecutive rolling 12-month period.
(Basis: Regulation 2-2-208 Cumulative Increase)

6. The owner/operator shall equip each A-606 through A-614 Baghouses with an Air District's approved manometer or an Air District approved device for measuring the pressure drop across the baghouse.
(Basis: Regulation 6-1-301, 6-1-311.1)

7. The owner/operator shall inspect Baghouses, A-A-606 through A-614 weekly to ensure proper operation. The following items shall be checked:

a. The pressure drop across the baghouse shall be checked weekly. The pressure drop shall be no lower than 0.5 inches of water and no greater than 6 inches of water;
b. The baghouse exhaust shall be checked weekly for evidence of particulate breakthrough. If breakthrough is evident from plume observations, dust buildup near the stack outlet, or abnormal pressure drops, the filter bags shall be checked for any tears, holes, abrasions, and scuffs, and replaced as needed;
c. All silos shall be discharged in a timely manner to maintain compliance with 8(a) above;
d. The pulsejet, shaker cleaning system shall be maintained and operated at sufficient intervals to maintain compliance with 8(a) above;
e. Record the daily type of material and throughput, totaled monthly and consecutive 12-month period;
f. Maintain 10% of spare set of bags at all times; and
g. manometer or Air District approved pressure differential measurement device shall be calibrated per the manufacturer's specification.

(Basis: Regulation 2-1-403 Permit Condition)

8. The owner/operator of S-602 shall not exceed 6,428 filter aid delivery truck trips in any consecutive rolling 12-month period.
(Basis: Regulation 2-1-403 Permit Condition)

9. To demonstrate compliance with the above permit conditions, the owner/operator of S-602 shall maintain the following record

a. The dates of all inspections, calibrations and all maintenance work including bag replacement for the baghouse

b. Daily and monthly hours of operation, totaled on consecutive rolling 12-month period basis

c. Daily and monthly number of trucks for filter aid delivery and their delivery time

d. Daily and monthly throughput of filter aid, totaled on consecutive rolling 12-month period basis

e. Weekly pressure drop readings and any corrective actions taken if non-compliant with part 7

f. Records of all source test results include grain loading and baghouse exhaust flow rate

g. Daily PM_{10}/ $PM_{2.5,}$ and Crystalline Silica emission calculations based on source test results, totaled on a monthly and consecutive 12-month period basis.

All record shall be retained on-site for five years, from the date of entry and made available for Air District inspection by Air District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable Air District Regulations.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 1-441)

10. The owner/operator shall not exceed the following limits from S-602 (combined for all 9 baghouses):

a. $PM_{10}/PM_{2.5}$: 4.4 lbs per calendar day and/or 1,622 lbs per any consecutive 12-month period

b. Crystalline Silica: 0.093 lbs per hour and/or 811 lbs per any consecutive 12-month period

(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-5)

11. Not later than 60 days from the startup of S-602 and at least once every 2 years thereafter, the owner/operator shall conduct Air District approved source tests to determine compliance with the $PM_{10/}PM_{2.5}$ limits (including both the condensable and filterable PM), baghouse exhaust flow rate and crystalline silica limits in Parts 4, 5 and 10. The grain loading and flowrate determined in the source test shall be used to determine the compliance with the limits above assuming 24 hours of operation per day and 8760 hours per any consecutive 12 month period. To determine compliance with the Crystalline Silica emission limits above, the owner/operator shall multiply the calculated $PM_{10}/PM_{2.5}$ emissions with the weight percentage of Crystalline Silica in the filter aid material. The owner/operator shall submit the source test results to the Air District staff no later than 60 days after the source test.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-1-403 Permit Condition)

12. The owner/operator of S-602 shall comply with all applicable testing requirements as specified in Volume IV of the Air District's Manual of Procedures and EPA Method 1. The owner/operator shall notify the Air District's Source Test Section, in writing, of the Air District approved source test methods and procedures and projected test dates at least 30 days prior to testing.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-1-403 Permit Condition)

CONDITION #27651

Application 31157 (2022 – Initial Issuance) - Phillips 66 Rodeo Renewed Project.

Source S-603 Polyethylene Removal Filter Aid Day Hoppers (4) abated by A-615 through A-618 Baghouses (4), and Truck Load out Traffic

1. The owner/operator shall ensure that Source S-603, Filter Aid Day Hoppers, are abated by A-615 through A-618, Baghouses at all times when S-603 is in operation. (Basis: Cumulative Increase, Offsets, Regulation 6-1-301, 6-1-311.1)

2. The owner/operator of S-603 shall ensure visible particulate emissions from each day hopper does not exceed Ringelmann 0.5 or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301.
(Basis: Regulation 1-301, Regulations 2-1-403, 6-1-301, and 6-1-305)

3. The owner/operator shall ensure the outlet grain loading for each A-615 through A-618 baghouses does not exceed 0.002 grain/dscf of $PM_{10}/PM_{2.5}$ (front and back half).
(Basis: Regulation 2-2-208 Cumulative Increase)

4. The owner/operator shall ensure the exhaust gas flow rate for each A-615 through A-618 baghouses does not exceed a maximum flow rate of 665 dscfm.
(Basis: Regulation 2-2-208 Cumulative Increase)

5. The owner/operator shall ensure the total throughput of filter aid at S-603 does not exceed 90,288 pounds per calendar day and/or 16,479 tons in any consecutive rolling 12-month period.
(Basis: Regulation 2-2-208 Cumulative Increase)

6. The owner/operator shall equip each A-615 through A-618 Baghouses with an Air District's approved manometer or an Air District approved device for measuring the pressure drop across the baghouse.
(Basis: Regulation 6-1-301, 6-1-311.1)

7. The owner/operator shall inspect Baghouses, A-615 through A-618weekly to ensure proper operation. The following items shall be checked:

a. The pressure drop across the baghouse shall be checked weekly. The pressure drop shall be no lower than 0.5 inches of water and no greater than 6 inches of water;
b. The baghouse exhaust shall be checked weekly for evidence of particulate breakthrough. If breakthrough is evident from plume observations, dust buildup near the stack outlet, or abnormal pressure drops, the filter bags shall be checked for any tears, holes, abrasions, and scuffs, and replaced as needed;
c. All hoppers shall be discharged in a timely manner to maintain compliance with 7(a) above;
d. The pulsejet, shaker cleaning system shall be maintained and operated at sufficient intervals to maintain compliance with 7(a) above;
e. Record the daily type of material and throughput, totaled monthly and consecutive 12-month period;
f. Maintain 10% of spare set of bags at all times; and
g. manometer or Air District approved pressure differential measurement device shall be calibrated per the manufacturer's specification.

(Basis: Regulation 2-1-403 Permit Condition)

8. The owner/operator of S-603 and S-605 shall not exceed a combined 9,038 filter aid removal truck trips in any consecutive rolling 12-month period.
(Basis: Regulation 2-1-403 Permit Condition)

9. To demonstrate compliance with the above permit conditions, the owner/operator of S-603 shall maintain the following record

a. The dates of all inspections, calibrations and all maintenance works including bag replacement for the baghouse
b. Daily and monthly hours of operation, totaled on consecutive rolling 12-month period basis
c. Daily and monthly number of trucks for filter aid removal and their removal time
d. Daily and monthly throughput of filter aid, totaled on consecutive rolling 12-month period basis
e. Weekly pressure drop readings and any corrective actions taken if non-compliant with part 7
f. Records of all source test results include grain loading and baghouse exhaust flow rate
g. Daily $PM_{10}/PM_{2.5}$ and Crystalline Silica emission calculations based on source test results, totaled on a monthly and consecutive 12-month period basis

All record shall be retained on-site for five years, from the date of entry and made available for Air District inspection by Air District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable Air District Regulations.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 1-441)

10. The owner/operator shall not exceed the following limits from S-603 (combined for all 4 hoppers):

a. $PM_{10}/PM_{2.5}$: 1.1 lbs per calendar day and/or 400 lbs per any consecutive 12-month period
b. Crystalline Silica: 0.0228 lbs per hour and/or 200 lbs per any consecutive 12-month period

(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-5)

11. Not later than 60 days from the startup of S-603 and at least once every 2 years thereafter, the owner/operator shall conduct Air District approved source tests to determine compliance with the $PM_{10}/PM_{2.5}$ limits (including both the condensable and filterable PM), baghouse exhaust flow rate and silica limit in Parts 3, 4 and 10. The grain loading and flowrate determined in the source test shall be used to determine the compliance with the $PM_{10}/PM_{2.5}$ emissions limits above assuming 24 hours of operation per day and 8760 hours per any consecutive 12-month period. To determine compliance with the Crystalline Silica emission limits above, the owner/operator shall multiply the calculated $PM_{10}/PM_{2.5}$ emissions with the weight percentage of Crystalline Silica in the filter aid material. The owner/operator shall submit the source test results to the Air District staff no later than 60 days after the source test.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-1-403 Permit Condition)

12. The owner/operator of S-603 shall comply with all applicable testing requirements as specified in Volume IV of the Air District's Manual of Procedures and EPA Method 1. The owner/operator shall notify the Air District's Source Test Section, in writing, of the Air District approved source test methods and procedures and projected test dates at least 30 days prior to testing.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-1-403 Permit Condition)

CONDITION #27652

Application 31157 (2022 – Initial Issuance) - Phillips 66 Rodeo Renewed Project.

Source S-605 Filter Aid Adsorption Day Hoppers (3) abated by A-619 through A-621 Baghouses (3), and Truck Loadout Traffic

1. The owner/operator shall ensure that Source S-605, Filter Aid Adsorption Day Hoppers, are abated by A-619 through A-621, Baghouses at all times when S-605 is in operation.
(Basis: Cumulative Increase, Offsets, Regulation 6-1-301, 6-1-311.1)

2. The owner/operator of S-605 shall ensure visible particulate emissions from each day hopper does not exceed Ringlemann 0.5 or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301.
(Basis: Regulation 1-301, Regulation 6-1-301 and 6-1-305)

3. The owner/operator shall ensure the outlet grain loading for each A-619 through A-621 baghouses does not exceed 0.002 grain/dscf of $PM_{10}/PM_{2.5}$ (front and back half).
(Basis: Regulation 2-2-208 Cumulative Increase)

4. The owner/operator shall ensure the exhaust gas flow rate for each A-619 through A-621 baghouses does not exceed a maximum flow rate of 665 dscfm.
(Basis: Regulation 2-2-208 Cumulative Increase)

5. The owner/operator shall ensure the total throughput of filter aid at S-605 does not exceed 67,728 pounds per calendar day and/or 12,359 tons in any consecutive rolling 12-month period.

(Basis: Regulation 2-2-208 Cumulative Increase)

6. The owner/operator shall equip each A-619 through A-621 Baghouses with an Air District's approved manometer or an approved device for measuring the pressure drop across the baghouse.
(Basis: Regulation 6-1-301, 6-1-311.1)

7. The owner/operator shall inspect Bashouses A-619 through A-621 weekly to ensure proper operation. The following items shall be checked:

a. The pressure drop across the baghouse shall be checked weekly. The pressure drop shall be no lower than 0.5 inches of water and no greater than 6 inches of water;
b. The baghouse exhaust shall be checked weekly for evidence of particulate breakthrough. If breakthrough is evident from plume observations, dust buildup near the stack outlet, or abnormal pressure drops, the filter bags shall be checked for any tears, holes, abrasions, and scuffs, and replaced as needed;
c. All hoppers shall be discharged in a timely manner to maintain compliance with 7(a) above;
d. The pulsejet, shaker cleaning system shall be maintained and operated at sufficient intervals to maintain compliance with 7(a) above;
e. Record the daily type of material and throughput, totaled monthly and consecutive 12-month period;
f. Maintain 10% of spare set of bags at all times; and
g. manometer or Air District approved pressure differential measurement device shall be calibrated per the manufacturer's specification.

(Basis: Regulation 2-1-403 Permit Condition)

8. To demonstrate compliance with the above permit conditions, the owner/operator of S-605 shall maintain the following record

a. The dates of all inspections, calibrations and all maintenance works including bag replacement for the baghouse
b. Daily and monthly hours of operation, totaled on a consecutive rolling 12-month period basis
c. Daily and monthly number of truck for filter aid removal and their removal time per Condition 27651, Part 8.
d. Daily and monthly throughput of filter aid, totaled on a consecutive rolling 12-month period basis
e. Weekly pressure drop readings and any corrective actions taken if non-compliant with part 8
f. Records of all source test results include grain loading and baghouse exhaust flow rate
g. Daily $PM_{10}/PM_{2.5}$ and Crystalline Silica emission calculations based on source test results, totaled on a monthly and consecutive 12-month period basis

All record shall be retained on-site for five years, from the date of entry and made available for Air District inspection by Air District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable Air District Regulations.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 1-441)

9. The owner/operator shall not exceed the following limits from S-605 (combined for all 3 hoppers):

a. $PM_{10}/PM_{2.5}$: 0.82 lbs per calendar day and/or 300 lbs per consecutive 12-month period
b. Crystalline Silica: 0.0171 lbs per hour and/or 150 lbs per consecutive 12-month period

(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-5)

10. Not later than 60 days from the startup of S-605 and at least once every 2 years thereafter, the owner/operator shall conduct Air District approved source tests to determine initial compliance with the $PM_{10}/PM_{2.5}$limits (including both condensable and filterable emissions), baghouse exhaust flow rate and silica limits in Parts 3, 4 and 9. The grain loading and flowrate determined in the source test shall be used to determine the compliance with the emissions limits above assuming 24 hours of operation per day and 8760 hours per any consecutive 12 month period. To determine compliance with the Crystalline Silica emission limits above, the owner/operator shall multiply the calculated $PM_{10}/PM_{2.5}$ emissions with the weight percentage of Crystalline Silica in the filter aid material. The owner/operator shall submit the source test results to the Air District staff no later than 60 days after the source test.

(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-1-403 Permit Condition)

11. The owner/operator shall comply with all applicable testing requirements as specified in Volume IV of the Air District's Manual of Procedures and EPA Method 1. The owner/operator shall notify the Air District's Source Test Section, in writing, of the Air District approved source test methods and procedures and projected test dates at least 30 days prior to testing.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-1-403 Permit Condition)

CONDITION #27653

Application 31157 (2022 – Initial Issuance - Phillips 66 Rodeo Renewed Project) - Established throughputs for S-195 Sludge Sediment Tank (Tank 501).

1. The owner/operator of S-195 shall ensure that the renewable naphtha does not exceed 97,928 barrels in any consecutive rolling 12-month period and/or 7,111 barrels in any calendar day.
(Basis: Regulation 2-2-208 Cumulative Increase)

2. The owner/operator of S-195 may store alternate organic liquid(s) other than the materials specified in Part 1 and/or usages in excess of those specified in Part 1 provided that the owner/operator can demonstrate that all of the following are satisfied:

a. Total POC emissions from S-195 do not exceed 0.956 tons in any consecutive rolling twelve month period and/or 9 pounds in any calendar day;
b. Total NPOC emissions from S-195 shall be zero;
c. The use of these materials does not increase toxic emissions to equal to or above any risk screening trigger level of Table 2-5-1 in Regulation 2-5.

(Basis: Regulation 2-2-208 Cumulative Increase; Regulation 2-5 Toxics)

3. To determine compliance with the above parts, the owner/operator of S-195 shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:

a. Quantities, true vapor pressure and emissions calculations of each type of liquid stored at this source on a daily basis.
b. If a material other than those specified in Part 1 is stored, POC and/or NPOC, and toxic component contents of each material used; and Air District approved mass emissions calculations to demonstrate compliance with Part 2, on a daily basis;
c. Daily throughput and/or Air District approved emissions calculations shall be totaled for each consecutive twelve-month period.

All records shall be retained on-site for at least five years, from the date of entry, and made available for inspection by Air District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable Air District Regulations. (Basis: Cumulative Increase; Toxics)

CONDITION #27657

Application 31157 (2022 – Initial Issuance - Phillips 66 Rodeo Renewed Project) - Established throughputs for previously grandfathered sources. These sources are no longer grandfathered sources with these established limits.

S-254 Tank No. 1001
S-256 Tank No. 1003
S-257 Tank No. 1004
S-338 U233 Fuel Gas Center

1. The owner/operator of S-254 shall ensure that the gasoline, renewable diesel and renewable jet combined does not exceed 7,257,233 barrels in any consecutive rolling 12-month period and/or 138,362 barrels in any calendar day.
(Basis: Regulation 2-1-234.1.2, Regulation 2-1-234.2, Regulation 2-1-403 Permit Conditions)

1a. The owner/operator of S-254 may store alternate organic liquid(s) other than the materials specified in Part 1 and/or usages in excess of those specified in Part 1 provided that the owner/operator can demonstrate that all of the following are satisfied:

i. Total POC emissions from S-254 do not exceed 2.040 tons in any consecutive rolling twelve month period and/or 21 pounds in any calendar day;
ii. Total NPOC emissions from S-254 shall be zero;
iii. The use of these materials does not increase toxic emissions to equal to or above any risk screening trigger level of Table 2-5-1 in Regulation 2-5.

(Basis: Regulation 2-1-234.1.2, Regulation 2-1-234.2, Regulation 2-1-403 Permit Conditions; Regulation 2-5 Toxics)

2. The owner/operator of S-256 shall ensure that the gasoline, renewable diesel and renewable jet combined does not exceed 4,024,700 barrels in any consecutive rolling 12-month period and/or 111,383 barrels in any calendar day.
(Basis: Regulation 2-1-234.1.2, Regulation 2-1-234.2, Regulation 2-1-403 Permit Conditions)

2a. The owner/operator of S-256 may store alternate organic liquid(s) other than the materials specified in Part 2 and/or usages in excess of those specified in Part 2 provided that the owner/operator can demonstrate that all of the following are satisfied:

i. Total POC emissions from S-256 do not exceed 0.303 tons in any consecutive rolling twelve month period and/or 20 pounds in any calendar day;
ii. Total NPOC emissions from S-256 shall be zero;
iii. The use of these materials does not increase toxic emissions to equal to or above any risk screening trigger level of Table 2-5-1 in Regulation 2-5.

(Basis: Regulation 2-1-234.1.2, Regulation 2-1-234.2, Regulation 2-1-403 Permit Conditions ; Regulation 2-5 Toxics)

3. The owner/operator of S-257 shall ensure that the gasoline, renewable diesel and/or renewable jet combined does not exceed 3,568,973 barrels in any consecutive rolling 12-month period and/or 42,438 barrels in any calendar day.
(Basis: Regulation 2-1-234.1.2, Regulation 2-1-234.2, Regulation 2-1-403 Permit Conditions)

3a. The owner/operator of S-257 may store alternate organic liquid(s) other than the materials specified in Part 3 and/or usages in excess of those specified in Part 3 provided that the owner/operator can demonstrate that all of the following are satisfied:

i. Total POC emissions from S-257 do not exceed 0.178 tons in any consecutive rolling twelve month period and/or 6 pounds in any calendar day;
ii. Total NPOC emissions from S-257 shall be zero;
iii. The use of these materials does not increase toxic emissions to equal to or above any risk screening trigger level of Table 2-5-1 in Regulation 2-5.

(Basis: Regulation 2-1-234.1.2, Regulation 2-1-234.2, Regulation 2-1-403 Permit Conditions; Regulation 2-5 Toxics)

4. The owner/operator of S-338 shall ensure that the fuel gas throughput does not exceed 10,015 MMscf in any consecutive rolling 12-month period and/or 31.77 MMscf in any calendar day.
(Basis: Regulation 2-1-234.1.2, Regulation 2-1-234.2, Regulation 2-1-403 Permit Conditions)

5. To determine compliance with the above condition(s), the owner/operator of S-254, S-256, S-257 and/or S-338 shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including, but not necessarily limited to, the following information:

a. Daily and monthly record of the type, amount of throughput and emission calculations (for POC, NPOC and/or TACs, if required) at each source, totaled on a rolling 12-month period

These records shall be kept on-site for at least 5 years. All records shall be recorded in an Air District approved log and made available for inspection by Air District staff upon request. These recordkeeping Requirements shall not replace the recordkeeping Requirements contained in any applicable Air District Regulations.
(Basis: Regulation 2-1-234.1.2, Regulation 2-1-234.2, Regulation 2-1-403 Permit Conditions, Regulation 1-441)

Permit Condition #27658

Application 31157 (2022 – Initial Issuance): Phillips 66 Rodeo Renewed Project.

Conditions for Fugitive Components installed as part of the Rodeo Renewed Project:
S-307 U240
S-322 U40
S-434 U246
S-437 U110
S-599 Sulfur Treatment Unit
S-600 Pretreatment Unit
S-318 U76

1. The owner/operator of S-307, S-322, S-434, S-437, S-599, S-600 and/or S-318 shall install only the following types of valves: (1) bellows sealed, (2) live loaded, (3) graphitic packed, and/or (4) quarter-turn (e.g., ball valves or plug valves), or equivalent as determined by the APCO.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-301 BACT, Regulation 2-2-302 Offsets)

2. The owner/operator of S-307, S-322, S-434, S-437, S-599, S-600 and/or S-318 shall comply with a leak standard of 100 ppm of Total Organic Compounds (TOC) measured as C1 at any valve installed unless the owner/operator complies with the applicable leak minimization and repair provisions contained in Regulation 8-18. All valves shall be subject to the Part 17 inspection frequency.
(Basis: Regulation 2-2-301 BACT)

3. The owner/operator of, S-307, S-322, S-434, S-437, S-599, S-600 and/or S-318 shall install graphitic-based gaskets on all flanges or connectors (gasketed) or equivalent as determined by the APCO.
(Basis: Regulation 2-2-301 BACT)

4. The owner/operator of S-307, S-322, S-434, S-437, S-599, S-600 and/or S-318 shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any flanges/connectors unless the owner/operator complies with the applicable leak minimization and repair provisions contained in Regulation 8-18. All flanges/connectors shall be subject to the Part 17 inspection frequency.
(Basis: Regulation 2-2-301 BACT)

5. The owner/operator of S-307, S-322, S-434, S-437, S-599, S-600 and/or S-318 shall install double mechanical seals w/ barrier fluid; magnetically coupled pumps; canned pumps; magnetic fluid sealing technology; seal system with leakage vented to thermal oxidizer; or other BAAQMD approved equivalent control device; or Air District approved control technology as determined by the APCO on all new/replaced pumps. All pumps shall be subject to the Part 17 inspection frequency.
(Basis: Regulation 2-2-301 BACT)

6. The owner/operator of S-307, S-322, S-434, S-437, S-599, S-600 (58 pumps at 100 ppmv) and/or S-318 shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any pump unless the owner/operator complies with the applicable leak minimization and repair provisions contained in Regulation 8-18.
(Basis: Regulation 2-2-301 BACT)

7. The owner/operator of S-307, S-322, S-434, S-437, S-599, S-600 and/or S-318 shall install double mechanical seals w/ barrier fluid; or gas seal system vented to a thermal oxidizer or other BAAQMD approved control device; or Air District approved control technology as determined by the APCO on all new/replaced compressors. All compressors shall be subject to the Part 17 inspection frequency.
(Basis: Regulation 2-2-301 BACT)

8. The owner/operator of S-307, S-322, S-434, S-437, S-599, S-600 and/or S-318 shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any compressor unless the owner/operator complies with the applicable leak minimization and repair provisions contained in Regulation 8-18.
(Basis: Regulation 2-2-301 BACT)

9. The owner/operator shall implement the following for each new and/or replaced pressure vapor relief device (PRD) installed at S-307, S-434 and/or S-437 abated by the A-7 fuel gas system, furnace, or flare with a minimum capture and destruction efficiency of at least 98% by weight.

a. The owner/operator shall operate an Air District approved continuous monitoring system that detects PRD discharges to the fuel gas recovery system or flare. Acceptable monitoring methods include, but are not limited to, continuous pressure, temperature, flow, or molecular weight measurement provided that the monitoring type is Air District approved.
b. When a PRD discharge is detected and the PRD does not reseat, the owner/operator shall attempt to reseat, repair and/or replace the PRD as soon as possible while taking into account both safety and feasibility concerns. If the owner/operator determines, subject to Air District verification, the PRD cannot be safely reseated, repaired and/or replaced without causing a process unit or equipment shutdown, the owner/operator shall repair or replace the PRD at the next planned process unit turnaround.
c. No later than 90 days before the startup of any equipment of the Rodeo Renewed Project, the owner/operator shall develop and maintain a Pressure Relief Device (PRD) Leak Detection and Troubleshooting Guideline that details the site-specific response procedures that will be employed to minimize PRD discharge as much as practicable. The Guideline shall be made available to the Air District for inspection.
d. To determine compliance with the above conditions, the owner/operator of S- S-307, S-434 and/or S-437 shall maintain the following records and provide all of the data necessary to evaluate compliance with condition b:
   i. Date of each PRD discharge detected that does not reseat;
   ii. Date of final repair or replacement;
   iii. List of each PRD in which repair has been delayed to the next planned process unit turnaround;
   iv. Reason for non-repairable determination; and
   v. Documentation of any safety and/or feasibility concerns associated with any repair or replacement.

(Basis: Regulation 2-2-301 BACT, Regulation 8-18-301 Leaks, Regulation 8-28 Episodic Releases, Regulation 2-5 Toxics

10. The owner/operator shall implement the following for each new and/or replaced liquid pressure relief device (PRD) installed at S-600 connected to the process drain and recycled back to the inlet of S-600.

a. The owner/operator shall operate an Air District approved continuous monitoring system that detects PRD discharges. Acceptable monitoring methods include, but are not limited to, continuous pressure, temperature, flow, or liquid level provided that the monitoring type is Air District approved.
b. When a PRD discharge is detected and the PRD does not reseat, the owner/operator shall attempt to reseat, repair and/or replace the PRD as soon as possible while taking into account both safety and feasibility concerns. If the owner/operator determines, subject to Air District verification, the PRD cannot be safely reseated, repaired and/or replaced without causing a process unit or equipment shutdown, the owner/operator shall repair or replace the PRD at the next planned process unit turnaround.

c. No later than 90 days before the startup of any equipment of the Rodeo Renewed Project, the owner/operator shall develop and maintain a Pressure Relief Device (PRD) Leak Detection and Troubleshooting Guideline that details the site-specific response procedures that will be employed to minimize PRD discharge as much as practicable. The Guideline shall be made available to the Air District for inspection.

d. To determine compliance with the above conditions, the owner/operator of S-600 shall maintain the following records and provide all of the data necessary to evaluate compliance with condition b:

i. Date of each PRD discharge detected that does not reseat;
ii. Date of final repair or replacement;
iii. List of each PRD in which repair has been delayed to the next planned process unit turnaround;
iv. Reason for non-repairable determination; and
v. Documentation of any safety and/or feasibility concerns associated with any repair or replacement.

(Basis: Regulation 2-2-301 BACT, Regulation 8-18-301 Leaks, Regulation 8-28 Episodic Releases, Regulation 2-5 Toxics)

11. The owner/operator of S-307, S-322, S-434, S-437, S-599, S-600 and/or S-318 shall identify all new/replaced valves, connectors, pressure relief devices, compressors, and pumps with a unique permanent identification code and shall include all new/replaced fugitive equipment in the fugitive equipment monitoring and repair program. The owner/operator shall monitor all repaired equipment within 24 hours of the repair. The unique permanent identification code does not apply to quarter-inch or less tubing and connectors associated with analytical sampling systems.
(Basis: Regulation 8-18-402 Identification)

12. The owner/operator of S-307, S-322, S-434, S-437, S-599, S-600 and/or S-318 has been permitted to install new and/or replace the following number of TOC service fugitive components for the Rodeo Renewed Project:

3,929 valves
12,617connectors
161 PSV's/PRV's
3 process drains
223 pumps

(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-302 Offsets, Regulation 2-5 Toxics)

13. The owner/operator of S-307, S-322, S-434, S-437, S-599, S-600 and/or S-318 shall not exceed 10.884 tons per year of TOC emissions (measured as C1) from all fugitive component counts installed in Part 12. Compliance with this provision shall be verified quarterly using methods described in Part 15. The results shall be submitted to the Air District within 30 days of the close of each calendar quarter after commencing with start-up of the system. The owner/operator shall keep records of fugitive component counts (including the unique permanent identification codes) and corresponding TOC emissions for at least five years from date of entry. For the purposes of these conditions POC/NMOC emissions shall be considered equal to the TOC emissions are determined by the Regulations 2-2 and 8-18 LDAR program.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-302 Offsets, Regulation 2-5 Toxics, Regulation 8-18)

14. Within 30 days of the completion of the installation of all fugitive components for each subpart in Part 12, the owner/operator of S-307, S-322, S-434, S-437, S-599, S-600 and/or S-318 shall submit a final component counts for each source, final component counts for the Rodeo Renewed Project, and TOC emissions estimate using the approved methods within these conditions to the Air District. Any new and/or replaced components shall be included as installed. If any of the fugitive component counts exceed or is less than a count stated above, the plant's cumulative increase emissions shall be adjusted as needed, subject to APCO approval, to reflect only the difference between emissions based on predicted component counts versus actual component counts. The amount of refund or additional offsets shall be handled or provided before issuance of the permit to operate.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-302 Offsets, Regulation 8-18)

15. The owner/operator of S-307, S-322, S-434, S-437, S-599, S-600 and/or S-318 shall calculate fugitive emissions utilizing only Air District approved methods. For all components, the owner/operator shall use the California Air Pollutant Control Officers Association (CAPCOA) correlation equations, midpoint method, default zero factors, 10,000 ppm pegged factors and/or other method approved by the Air District. The owner/operator shall include emissions estimates from all fugitive components associated with this application in order to demonstrate compliance with Parts 13 and 18 through 24. The quarterly fugitive emissions calculations shall start upon installation of any new/replaced components identified in part 12 with the results being submitted to the Air District within 30 days of the close of each quarter.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-301 BACT, Regulation 2-2-302 Offsets, Regulation 8-18)

16. Not more than 180 days after the start-up of S S-307, S-322, S-434, S-437, and/or S-318, the owner/operator shall provide the Air District's Engineering Division with toxic emissions calculations based on the final count of fugitive components and the renewable feedstocks and products for removed, replaced and installed fugitive components. The owner/operator shall ensure that the weighted toxicity for fugitive components for each source is not increased above the pre-project emissions levels authorized under the permit Application 31157 at the time of issuance.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-5 Toxics)

17. The owner/operator of S-307, S-322, S-434, S-437, S-599, S-600 and/or S-318 shall conduct inspections of fugitive components of these conditions in accordance with the frequency below:

Valves:	Quarterly
Connectors:	Biannual (twice a year)
Flanges:	Biannual (twice a year)
Pressure Relief Valves:	Quarterly
Compressors:	Quarterly
Pumps:	Quarterly
Process Drains:	Quarterly

(Basis: Regulation 2-2-301 BACT)

18. The owner/operator of S-307 (Unit 240) has been permitted for the following total number of TOC service fugitive components:

5,725 valves
9,880 connectors
56 PSV's/PRV's
390 others
54 pumps

Source S-307 may exceed the component counts specified above provided that both the emissions from all fugitive components added and/or replaced qualify for the exemption under Regulation 2-1-128.21. The owner/operator of S-307 shall submit an application to update the fugitive counts above, to update the mass emission limits both above (Part 13) and the paragraph below, to confirm that BACT has been satisfied, and to provide offsets for the new/replaced components. The potential to emit of the added and/or replaced fugitive components shall be calculated according to Regulation 8-18 requirement and shall be used to determine the offsets due. The application shall be submitted to the Air District by the end of January for the previous calendar year's component counts added and/or replaced. Any new and/or replaced components shall be included and reported as required by Parts 15 and/or 16.

The owner/operator of S-307 shall not exceed 56.6lbs per day and/or 10.327 tons per year of TOC emissions (measured as C1) from all fugitive components included in the above counts. Compliance with this provision shall be verified quarterly using methods described in Part 15. The results shall be submitted to the Air District within 30

days of the close of each calendar quarter after commencing with start-up of any equipment included as part of Application 31157. The owner/operator shall keep records of fugitive component counts, unique identification numbers, and corresponding TOC emissions for at least five years from date of entry. For the purposes of these conditions POC/NMOC emissions shall be considered equal to the TOC emissions are determined by the Regulations 2-2 and 8-18 LDAR program.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-302 Offsets, Regulation 8-18)

19. The owner/operator of S-322 (Unit 40) has been permitted for the following total number of TOC service fugitive components:

2,707 valves
3,226 connectors
135 PSV's/PRV's
236 others
40 pumps

Source S-322 may exceed the component counts specified above provided that both the emissions from all fugitive components added and/or replaced qualify for the exemption under Regulation 2-1-128.21. The owner/operator of S-322 shall submit an application to update the fugitive counts above, to update the mass emission limits both above (Part 13) and the paragraph below, to confirm that BACT has been satisfied, and to provide offsets for the new/replaced components. The potential to emit of the added and/or replaced fugitive components shall be calculated according to Regulation 8-18 requirement and shall be used to determine the offsets due. The application shall be submitted to the Air District by the end of January for the previous calendar year's component counts added and/or replaced. Any new and/or replaced components shall be included and reported as required by Parts 15 and/or 16.

The owner/operator of S-322 shall not exceed 28.3lbs per day and/or 5.167 tons per year of TOC emissions (measured as C1) from all fugitive components included in the above counts. Compliance with this provision shall be verified quarterly using methods described in Part 15. The results shall be submitted to the Air District within 30 days of the close of each calendar quarter after commencing with start-up of any equipment covered by Application 31157. The owner/operator shall keep records of fugitive component counts, unique identification numbers, and corresponding TOC emissions for at least five years from date of entry. For the purposes of these conditions the TOC emissions are determined by the Regulations 2-2 and 8-18 LDAR program.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-302 Offsets, Regulation 8-18)

20. The owner/operator of S-434 (U246) has been permitted for the following total number of TOC service fugitive components:

2,687 valves
3,607 connectors
24 PSV's/PRV's
217 others
18 pumps

Source S-434 may exceed the component counts specified above provided that both the emissions from all fugitive components added and/or replaced qualify for the exemption under Regulation 2-1-128.21. The owner/operator of S-434 shall submit an application to update the fugitive counts above, to update the mass emission limits both above (Part 13) and the paragraph below, to confirm that BACT has been satisfied, and to provide offsets for the new/replaced components. The potential to emit of the added and/or replaced fugitive components shall be calculated according to Regulation 8-18 requirement and shall be used to determine the offsets due. The application shall be submitted to the Air District by the end of January for the previous calendar year's component counts added and/or replaced. Any new and/or replaced components shall be included and reported as required by Parts 15 and/or 16.

The owner/operator of S-434 shall not exceed 23.3lbs per day and/or 4.241 tons per year of TOC emissions (measured as C1) from all fugitive components included in the above counts. Compliance with this provision shall be verified quarterly using methods described in Part 15. The results shall be submitted to the Air District within 30 days of the close of each calendar quarter after commencing with start-up of any equipment included as part of Application 31157. The owner/operator shall keep records of fugitive component counts, unique identification numbers, and corresponding TOC emissions for at least five years from date of entry. For the purposes of these conditions POC/NMOC emissions shall be considered equal to the TOC emissions are determined by the Regulations 2-2 and 8-18 LDAR program.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-302 Offsets, Regulation 8-18)

21. The owner/operator of S-437 (U110) has been permitted for the following total number of TOC service fugitive components:

981 valves
1,470 connectors
23 PSV's/PRV's
108 others
2 pumps

Source S-437 may exceed the component counts specified above provided that both the emissions from all fugitive components added and/or replaced qualify for the exemption under Regulation 2-1-128.21. The owner/operator of S-437 shall submit an application to update the fugitive counts above, to update the mass emission limits both above (Part 13) and the paragraph below, to confirm that BACT has been satisfied, and to provide offsets for the new/replaced components. The potential to emit of the added and/or replaced fugitive components shall be calculated according to Regulation 8-18 requirement and shall be used to determine the offsets due. The application shall be submitted to the Air District by the end of January for the previous calendar year's component counts added and/or replaced. Any new and/or replaced components shall be included and reported as required by Parts 15 and/or 16.

The owner/operator of S-437 shall not exceed 9.0 lbs per day and/or 1.641 tons per year of TOC emissions (measured as C1) from all fugitive components included in the above counts. Compliance with this provision shall be verified quarterly using methods described in Part 15. The results shall be submitted to the Air District within 30 days of the close of each calendar quarter after commencing with start-up of any equipment covered by Application 31157. The owner/operator shall keep records of fugitive component counts, unique identification numbers, and corresponding TOC emissions for at least five years from date of entry. For the purposes of these conditions POC/NMOC emissions shall be considered equal to the TOC emissions are determined by the Regulations 2-2 and 8-18 LDAR program.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-302 Offsets, Regulation 8-18)

22. The owner/operator of S-599 (STU) has been permitted for the following total number of TOC service fugitive components:

280 valves
1,120 connectors

Source S-599 may exceed the component counts specified above provided that both the emissions from all fugitive components added and/or replaced qualify for the exemption under Regulation 2-1-128.21. The owner/operator of S-599 shall submit an application to update the fugitive counts above, to update the mass emission limits both above (Part 13) and the paragraph below, to confirm that BACT has been satisfied, and to provide offsets for the new/replaced components. The potential to emit of the added and/or replaced fugitive components shall be calculated according to Regulation 8-18 requirement and shall be used to determine the offsets due. The application shall be submitted to the Air District by the end of January for the previous calendar year's component counts added and/or replaced. Any new and/or replaced components shall be included and reported as required by Parts 15 and/or 16.

The owner/operator of S-599 shall not exceed 3.74 lbs per day and/or 0.682 tons per year of TOC emissions (measured as C1) from all fugitive components included in the above counts. Compliance with this provision shall be verified quarterly using methods described in Part 15. The results shall be submitted to the Air District within 30 days of the close of each calendar quarter after commencing with start-up of any equipment included as part of Application 31157. The owner/operator shall keep records of fugitive component counts, unique identification numbers, and corresponding TOC emissions for at least five years from date of entry. For the purposes of these conditions POC/NMOC emissions shall be considered equal to the TOC emissions are determined by the Regulations 2-2 and 8-18 LDAR program.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-302 Offsets, Regulation 8-18)

23. The owner/operator of S-600 (PTU) has been permitted for the following total number of TOC service fugitive components:

3,049 valves
9,144 connectors
156PSV's/PRV's
212 pumps (154 pumps at 50 ppmv, 58 pumps at 100 ppmv)

Source S-600 may exceed the component counts specified above provided that both the emissions from all fugitive components added and/or replaced qualify for the exemption under Regulation 2-1-128.21. The owner/operator of S-600 shall submit an application to update the fugitive counts above, to update the mass emission limits both above (Part 13) and the paragraph below, to confirm that BACT has been satisfied, and to provide offsets for the new/replaced components. The potential to emit of the added and/or replaced fugitive components shall be calculated according to Regulation 8-18 requirement and shall be used to determine the offsets due. The application shall be submitted to the Air District by the end of January for the previous calendar year's component counts added and/or replaced. Any new and/or replaced components shall be included and reported as required by Parts 15 and/or 16.

The owner/operator of S-600 shall not exceed 44.68 lbs per day and/or 8.154 tons per year of TOC emissions (measured as C1) from all fugitive components included in the above counts. Compliance with this provision shall be verified quarterly using methods described in Part 15. The results shall be submitted to the Air District within 30 days of the close of each calendar quarter after commencing with start-up of any equipment included as part of Application 31157. The owner/operator shall keep records of fugitive component counts, unique identification numbers, and corresponding TOC emissions for at least five years from date of entry. For the purposes of these conditions the TOC emissions are determined by the Regulations 2-2 and 8-18 LDAR program.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-302 Offsets, Regulation 8-18)

24. The owner/operator of S-318 (Unit 76) has been permitted for the following total number of TOC service fugitive components:

3,314 valves
5,814 connectors
120 PSV's/PRV's
214 others
49 pumps

Source S-318 may exceed the component counts specified above provided that both the emissions from all fugitive components added and/or replaced qualify for the exemption under Regulation 2-1-128.21. The owner/operator of S-318 shall submit an application to update the fugitive counts above, to update the mass emission limits both above (Part 13) and the paragraph below, to confirm that BACT has been satisfied, and to provide offsets for the new/replaced components. The potential to emit of the added and/or replaced fugitive components shall be calculated according to Regulation 8-18 requirement and shall be used to determine the offsets due. The application shall be submitted to the Air District by the end of January for the previous calendar year's component counts added and/or replaced. Any new and/or replaced components shall be included and reported as required by Parts 15 and/or 16.

The owner/operator of S-318 shall not exceed 58.8 lbs per day and/or 6.847 tons per year of TOC emissions (measured as C1) from all fugitive components included in the above counts. Compliance with this provision shall be verified quarterly using methods described in Part 14. The results shall be submitted to the Air District within 30 days of the close of each calendar quarter after commencing with start-up of any equipment included as part of Application 31157. The owner/operator shall keep records of fugitive component counts, unique identification numbers, and corresponding TOC emissions for at least five years from date of entry. For the purposes of these conditions POC/NMOC emissions shall be considered equal to the TOC emissions are determined by the Regulations 2-2 and 8-18 LDAR program.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-2-302 Offsets, Regulation 8-18)

25. The owner/operator of 154 pumps at S-600 (PTU) may or may not initially install double mechanical seals w/ barrier fluid; magnetically coupled pumps; canned pumps; magnetic fluid sealing technology; seal system with leakage vented to thermal oxidizer; or other BAAQMD approved equivalent control device; or Air District approved control technology as determined by the APCO on all pumps. The owner/operator shall install mechanical seals or Air District approved equivalent technology on all 154 pumps.

The owner/operator of S-600 shall identify the 154 pumps with a unique permanent identification code and shall include in the fugitive equipment monitoring and repair program.

All pumps shall be subject to the Part 17 inspection frequency. The 154 pumps that are not a type listed in Part 5 and for which a leak greater than 50 ppm (measured as C1) has been determined, and if the leak remains greater than 50 ppm (measured as C1) after repair, or if the pump is determined to have a leak greater than 50 ppm (measured as C1) a second time within a 5-year period, then the owner/operator shall install the pump with a type listed in Part 5.
(Basis: Cumulative increase, Regulation 2-2-301 BACT)

26. The owner/operator of the 154 pumps at S-600 that are in heavy liquid service shall comply with a leak standard of 50 ppm of TOC (measured as C1) at any pump unless the owner/operator complies with the applicable leak minimization and repair provisions below.

a. Leak minimization includes but is not limited to reducing the leak to the lowest achievable level using best modern practices and without shutting down the process the pump serves. If the leak has been discovered by the operator, minimized within 24 hours and repaired within 7 days or if the leak has discovered by the APCO, the leak must be repaired within 24 hours.
b. Leak repair is tightening, adjustment, addition of material, or the replacement of the equipment using best modern practices, which reduces the leakage to the atmosphere below 50 ppm of TOC.

(Basis: Cumulative increase, Regulation 2-2-301 BACT)

Permit Condition #27659

Application 31157 (2022 – Initial Issuance): Phillips 66 Rodeo Renewed Project.

S-11 U240 B-201 Heater
S-12 U240 B-202 Heater
S-13 U240 B-301 Heater
S-22 U248 B-606 Heater
S-45 U246 B-801 A/B HeaterS-352 Combustion Turbine (16.6 MW)
S-353 Combustion Turbine (16.6 MW)
S-354 Combustion Turbine (16.6 MW)
S-355 Supplement Duct Burner
S-356 Supplement Duct Burner
S-357 Supplement Duct Burner
S-438 U110_H-1 Furnace (H2 Plant Reforming)

1. The owner/operator of S-11, S-12, S-13, S-22, S-352, S-353, S-354, S-355, S-356, and/or S-357 shall not burn any fuel gas having Total Sulfur (TS) greater than 432 ppmv in any consecutive rolling 12-month average. The owner/operator of S-11, S-12, S-13, S-22, S-45, S-352, S-353, S-354, S-355, S-356, S-357, and/or S-438 shall not burn any fuel gas having Total Sulfur (TS) greater than 792 ppmv in any calendar day.(Basis: Regulation 2-2-208 Cumulative Increase; Regulation 2-1-403 Permit Condition, Regulation 2-5 Toxics)

2. The owner/operator of S-11, S-12, S-13, S-22, S-352, S-353, S-354, S-355, S-356, and/or S-357 shall test for Total Sulfur (TS) concentration of the fuel gas by GC analysis or an Air District approved method at least once per 8-hr shift (3 times per calendar day). The results shall be submitted to the Air District's Compliance Division in a table format each calendar month, with a separate entry for each daily average no later than 30 days of the end of each calendar month.
(Basis: Regulation 2-2-208 Cumulative Increase)

3. For the purpose of demonstrating compliance with the H2S limit in 40 CFR 60.104(a)(1), The owner/operator of S-11, S-12, S-13, S-22 and/or S-45 shall test the fuel gas prior to combustion at S-11, S-12, S-13, S-22 and/or S-45 to determine total H2S concentration at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. Records of H2S monitoring shall be kept for at least five years after the date the record was made. The owner/operator shall submit a semi-annual report regarding this monitoring to the Air District's Compliance and Enforcement and Engineering Divisions. The reporting periods shall start on January 1st and July 1st of each year. The reports shall be submitted by January 31st and July 31st of each year. If the limit has not been exceeded during the reporting period, this information shall be stated in the report. If the limit has been exceeded, the owner/operator shall report the date and time that the exceedance began and the date and time that the exceedance ended. The owner operator shall estimate and report the excess emissions during the exceedance. [Basis: 40 CFR 60.13(i)]

3. To determine compliance with the above parts, the owner/operator of S-11, S-12, S-13, S-22, S-352, S-353, S-354, S-355, S-356, S-357, and/or S-438 shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:

a. Total Sulfur (TS) and H2S concentration
b. Type of feedstock used during the sampling and testing;
c. Feed/Processing Rate; and
d. Date and time of sampling and testing
e. Daily average TS calculations and consecutive 12-month average TS concentrations.

All records shall be retained on-site for five years, from the date of entry, and made available for inspection by Air District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable Air District Regulations.
(Basis: Regulation 2-2-208 Cumulative Increase)

4. Within 180 days of the startup of any one of the following sources for each group (Group 1: S-11, S-12, S-13, S-22, and/or S-45),(Group 2: S-352, S-353, S-354, S-355, S-356, and/or S-357), and/or (Group 3: S-438), the owner/operator shall conduct source testing to develop Air District approved fuel gas combustion emissions factors for each group (Groups 1, 2, and 3) in lbs of TAC/MMBtu) for the following toxic air contaminant pollutants: Sulfuric Acid, AH (as B(a)P-equivalent), Ammonia, 1,4-Dichlorobenzene(p), Acetaldehyde, Arsenic, Benzene, Beryllium, Cadmium, Chromium (hexavalent), Copper, Cyanide and compounds, Ethyl benzene, Formaldehyde, Hexane, Hydrochloric acid, Hydrogen sulfide, Lead, Manganese, Mercury, Naphthalene, Nickel, Phenol, Propylene, Selenium, Toluene, Vanadium, and Xylenes. The owner/operator shall use the following test methods in the table below, or other Air District approved test methods. The owner/operator shall notify the Air District's Source Test Section in writing of the Air District approved source test methods and procedures and projected test dates at least 30 days prior to the testing date(s). The report shall be submitted to the Air District's Source Test Section and Engineering Division no later than 60 days from the date of completion of sampling and testing.

Pollutant	Test Method
Sulfuric Acid	EPA Method 8
PAH (as B(a)P-equivalent)	CARB 429
Ammonia	BAAQMD ST-1B
1,4-Dichlorobenzene(p)	EPA Method TO-15
Acetaldehyde	CARB 430
Arsenic	EPA Method 29
Benzene	EPA Method TO-15
Beryllium	EPA Method 29
Cadmium	EPA Method 29
Chromium (hexavalent)	CARB 425
Copper	EPA Method 29
Cyanide and compounds	CARB Method 426
Ethyl benzene	EPA Method TO-15
Formaldehyde	CARB 430
Hexane	EPA Method TO-15
Hydrochloric acid	EPA Method 26A
Hydrogen sulfide	EPA Method 11
Lead	EPA Method 29
Manganese	EPA Method 29
Mercury	EPA Method 29
Naphthalene	CARB 429
Nickel	EPA Method 29
Phenol	EPA Method TO-15
Propylene	EPA Method TO-15
Selenium	EPA Method 29
Toluene	EPA Method TO-15
Vanadium	EPA Method 29
Xylenes (isomers and mixture)	EPA Method TO-15

Prior to the issuance of the Permit to Operate for the sources above, fuel gas combustion emission factors from source testing shall be used to verify emission factors used in the engineering evaluation for the issuance of the Authority to Construct. If source testing results indicate an increase in any toxic air contaminants and/or identify any new toxic air contaminants not previously evaluated as part of the issuance of the Authority to Construct, the health risk assessment (HRA) shall be updated in order to verify compliance with Regulation 2, Rule 5 prior to the issuance of the Permit to Operate
(Basis: Regulation 2-2-208 Cumulative Increase; Regulation 2-5 Toxics)

5. Within 180 days of the startup of source S-45, the owner/operator shall conduct an initial source test to demonstrate compliance with Condition 22962, Part 4 requirements for NOx, CO, POC, PM10, Condition 22962, Part 5 for Ammonia and Condition 22970, Part 2 for sulfuric acid. The owner/operator shall use only Air District approved test methods. The owner/operator shall notify the Air District's Source Test Section in writing of the Air District approved source test methods and procedures and projected test dates at least 30 days prior to the testing

date(s). The report shall be submitted to the Air District's Source Test Section and Engineering Division no later than 60 days from the date of completion of sampling and testing.
(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase)

6. Within 180 days of the startup of sources S-11, S-12, S-13 and/or S-22, the owner/operator shall conduct an initial and annual source tests thereafter to demonstrate compliance with Condition 1694, Part 4 requirement for SO2. The owner/operator shall use only Air District approved test methods. The owner/operator shall notify the Air District's Source Test Section in writing of the Air District approved source test methods and procedures and projected test dates at least30 days prior to the testing date(s). The report shall be submitted to the Air District's Source Test Section and Engineering Division no later than 60 days from the date of completion of sampling and testing.
(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase)

7. Within 180 days of the startup of source S-438, the owner/operator shall conduct an initial and annual source tests thereafter to demonstrate compliance with Condition 1694, Part E4 requirements for NOx, CO and POC. The owner/operator shall use only Air District approved test methods. The owner/operator shall notify the Air District's Source Test Section in writing of the Air District approved source test methods and procedures and projected test dates at least 30 days prior to the testing date(s). The report shall be submitted to the Air District's Source Test Section and Engineering Division no later than 60 days from the date of completion of sampling and testing.
(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative Increase)

Permit Condition #27660

Application 31157 (2022 – Initial Issuance): Phillips 66 Rodeo Renewed Project.
S-453 U230 Cooling Tower
S-455 U240 Cooling Tower
S-614 Wet Surface Air Cooler (WSAC) at S-600 Pretreatment Unit (exempt per Regulation 2-1-128.4)

1. The owner/operator of S-453 Cooling Tower shall not exceed a total recirculation water throughput of 13,500 gallons per minute and/or 7,095.6 million gallons during any consecutive 12-month period. (Basis: Regulation 2-1-403 Permit Conditions)

2. The owner/operator of S-455 Cooling Tower shall not exceed a total recirculation water throughput of 33,000 gallons per minute and/or 17,344.8 million gallons during any consecutive 12-month period.
(Basis: Regulation 2-1-403 Permit Conditions)

3. The owner/operator of S-453 and S-455 shall not exceed any of the following limits:
   a. TOC (POC and/or NPOC combined) for S-453 = 13.62 pounds in any calendar day and/or 2.49 tons in any consecutive 12-month period
   b. TOC (POC and/or NPOC combined) for S-455 = 33.29 pounds in any calendar day and/or 6.08 tons in any consecutive 12-month period
   c. PM_{10} = $PM_{2.5}$ for S-453 = 3.18 pounds in any calendar day and/or 0.58 tons in any consecutive 12-month period
   d. PM_{10} = $PM_{2.5}$ for S-455 = 8.11 pounds in any calendar day and/or 1.48 tons in any consecutive 12-month period

(Basis: Regulation 2-1-403 Permit Conditions)

4. The owner/operator of S-453 and/or S-455 shall ensure the TOC content of cooling water shall not exceed the action trigger level of 84 ppbw. Within 30 days of the Rodeo Renewed Project startup of S-453 and/or 455, the owner/operator of each S-453 and/or S-455 shall take sample of the cooling water return line at least once every week (52 samples per consecutive 12 month period) using EPA Method 8015D or any other Air District approved method. After six consecutive months, the owner/operator of S-453 and S-455 may elect to move to a bi-monthly sampling schedule (two samples every month) provided weekly sampling results do not

exceed 84 ppbw for six consecutive months (26 consecutive weekly samples). In the event that any sampling result from S-453 and /or S-455 exceeds 84 ppbw, the owner/operator shall revert to the weekly sampling schedule.
(Basis: Regulation 11-10)

5. The owner/operator of S-453 and S-455 Cooling Towers shall not exceed a total dissolved solids (TDS) content in the cooling water of 1,964 ppmw and/or 2047 ppmw (averaged over any consecutive 30-day period), respectively. Compliance with the above TDS concentration limit shall be based on the daily conductivity measurements that shall be taken at the cooling water sump basis at least once per operating shift and in concert with a correlation factor of 0.67 mg/L per microohm. (Basis: Regulation 2-1-403 Permit Conditions)

6. The operator/owner of the S-453 and S-455 Cooling Towers shall maintain documentation, written and provided by the vendor/manufacturer, of the guaranteed maximum cooling water drift rate of 0.001 % and the premise, basis, and justification for the drift rate. (Basis: Regulation 2-1-403 Permit Conditions)

7. The owner/operator of each S-453 and S-455 shall install an Air District approved properly operated and properly maintained per manufacturer's specifications non-resettable totalized flow meter that measures the total water flow rate (recirculation and added flow rates). (Basis: Regulation 2-1-403 Permit Conditions)

8. The owner/operator of the S-453, S-455 Cooling Towers and S-614 (WSAC), shall maintain in an Air District approved log, all water usage, recirculation rates, monitoring, source test, vendor/manufacturer's specifications, and other records as required to demonstrate compliance with the above conditions on site for at least five years from the date of data entry, and shall be made available to the Air District's staff for inspection upon request. (Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-5)

9. The owner/operator of S-614 Wet Surface Air Cooler (at S-600 Pretreatment Unit) shall conduct a quarterly Air District-approved sampling and testing required of total hydrocarbon concentration of cooling water at recirculation line to ensure no leakage of process water
(Basis: Regulation 2-1-128.4, Cumulative increase)

CONDITION #27661

Application 31157 (2022 – Initial Issuance - Phillips 66 Rodeo Renewed Project) - Established throughputs for S-150 Renewable Naphtha Tank (Tank 241).

1. The owner/operator of S-150 shall ensure that the renewable naphtha does not exceed 519,471 barrels in any consecutive rolling 12-month period and/or 31,655 barrels in any calendar day.
(Basis: Regulation 2-2-208 Cumulative Increase)

2. The owner/operator of S-150 may store alternate organic liquid(s) other than the materials specified in Part 1 and/or usages in excess of those specified in Part 1 provided that the owner/operator can demonstrate that all of the following are satisfied:
   a. Total POC emissions from S-150 do not exceed 1.813 tons in any consecutive rolling twelve month period and/or 15 pounds in any calendar day;
   b. Total NPOC emissions from S-150 shall be zero;
   c. The use of these materials does not increase toxic emissions to equal to or above any risk screening trigger level of Table 2-5-1 in Regulation 2-5.

(Basis: Regulation 2-2-208 Cumulative Increase; Regulation 2-5 Toxics)

3. To determine compliance with the above parts, the owner/operator of S-150 shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:

a. Quantities, true vapor pressure and emissions calculations of each type of liquid stored at this source on a daily basis.
b. If a material other than those specified in Part 1 is stored, POC and/or NPOC, and toxic component contents of each material used; and Air District approved mass emissions calculations to demonstrate compliance with Part 2, on a daily basis;
c. Daily throughput and/or Air District approved emissions calculations shall be totaled for each consecutive twelve-month period.

All records shall be retained on-site for at least five years, from the date of entry, and made available for inspection by Air District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable Air District Regulations. (Basis: Cumulative Increase; Toxics)

CONDITION #27787

Application 31157 (2022 – Initial Issuance - Phillips 66 Rodeo Renewed Project) - Established throughputs for S-125 Gasoline, Gasoline Blend, and Renewable Naphtha Tank (Tank 170).

1. The owner/operator of S-125 shall ensure that the renewable naphtha does not exceed 3,000,000 barrels in any consecutive rolling 12-month period and/or 29,918 barrels in any calendar day.
(Basis: Regulation 2-2-208 Cumulative Increase)

2. The owner/operator of S-125 may store alternate organic liquid(s) other than the materials specified in Part 1 and/or usages in excess of those specified in Part 1 provided that the owner/operator can demonstrate that all of the following are satisfied:
a. Total POC emissions from S-125 do not exceed 1.782 tons in any consecutive rolling twelve month period and/or 10 pounds in any calendar day;
b. Total NPOC emissions from S-125 shall be zero;
c. The use of these materials does not increase toxic emissions to equal to or above any risk screening trigger level of Table 2-5-1 in Regulation 2-5.
(Basis: Regulation 2-2-208 Cumulative Increase; Regulation 2-5 Toxics)

3. To determine compliance with the above parts, the owner/operator of S-125 shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:
a. Quantities, true vapor pressure and emissions calculations of each type of liquid stored at this source on a daily basis.
b. If a material other than those specified in Part 1 is stored, POC and/or NPOC, and toxic component contents of each material used; and Air District approved mass emissions calculations to demonstrate compliance with Part 2, on a daily basis;
c. Daily throughput and/or Air District approved emissions calculations shall be totaled for each consecutive twelve-month period.

All records shall be retained on-site for at least five years, from the date of entry, and made available for inspection by Air District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable Air District Regulations. (Basis: Cumulative Increase; Toxics)

Any condition that is preceded by an asterisk is not federally enforceable.

CONDITION 383

~~Applications 30417/15852/12999; San Francisco Refinery; Plant 16 Conditions for S-350~~

Deleted-S-350 Crude Unit 267 ~~-~~ shut down in Rodeo Renewed Project, Application 31157 (2022) after startup

~~Conditions For S350, Crude Unit 267~~

~~1. The owner/operator of S350 (Crude Unit 267) shall not process crude oil at S350 with a sulfur content in excess of 1.5 wt %. [Cumulative Increase]~~

~~2. The owner/operator shall sample and analyze the crude feed to S350 to determine the sulfur content each time a new tanker shipment or pipeline delivery of crude is introduced into the S350 feed tanks. [Cumulative Increase]~~

~~a. The owner/operator of S350 shall not exceed an S350 feed rate of 36,000 bbl on any calendar day. The 36,000 bbl/day limit is an absolute limit and may not be corrected for instrument error. [Cumulative Increase]~~

~~b. The owner/operator of S350 shall maintain daily records of "calendar day" throughput at S350 in a District-approved log. The owner/operator shall also maintain records of all sulfur content analyses required by Part 1b. These records shall be kept for at least five years and shall be made available to the District upon request. [Cumulative Increase]~~

~~c. The owner/operator shall install water seals (or equivalent controls) on the desalter process drain system for S350 that comply with the requirements of BAAQMD Regulation 8-8-312 prior to increasing the daily throughput to 36,000 bbl/day as allowed by part 2. [Toxics, cumulative increase]~~

CONDITION 1440

Conditions for S324, S381, S382, S383, S384, S385, S386, S387, S390, S392, S400, S401, S1007, S1008, S1009

This condition was amended by Applications 483 in 1988, 10623 in 2005, 13424 in 2007, 13727 in 2009, 21295 in 2010, and 29933 in 2019.

1. S324 API Separator shall be operated such that the liquid in the main separator basin is in full contact with the fixed concrete roof. This condition shall not apply during separator shutdown for maintenance or when S-324 is abated by an oxidizer.[Cumulative Increase]

2. Diversions of refinery wastewater around the Water Effluent Treating Facility to the open Storm Water Basins (S1008, S1009) shall be minimized. These diversions shall not cause a nuisance as defined in District Regulation 7 or Regulation 1-301. [Cumulative Increase]

3. Records shall be maintained of each incident in which refinery wastewater is diverted to the open storm water basins. These records shall include the reason for the diversion, the total quantity of wastewater diverted to the basins, and the approximate hydrocarbon content of the water. [Cumulative Increase]

4. The sources below shall conduct monthly leak inspections in accordance with Regulation 8-8-603. After three consecutive inspections with no leaks detected that are not vapor-tight, inspections will be conducted quarterly for that source. If any leak is detected that is not vapor-tight during an inspection, then monthly inspections must be completed until there are three consecutive

inspections without any leaks that are not vapor-tight. Any leak found by the owner/operator or BAAQMD that is not vapor-tight must be minimized within 24 hours and repaired within 7 days. Vapor-tight is defined in Regulation 8, Rule 8.

a. Doors, hatches, covers, and other openings on the S324 API Separator, forebay, outlet basin, and channel to the S1007 DAF Unit.

b. Doors, hatches, covers, and other openings on the S1007 DAF Unit and the S400 Wet and S401 Dry Weather Sumps, except for the vent opening on S-400 and S-401.

c. Any open process vessel, distribution box, tank, or other equipment downstream of the S1007 DAF Unit (S381, S382, S383, S384, S385, S386, S387, S390, S392).

[Cumulative Increase]

5. Records shall be kept of each inspection in Part 4 and shall be made available to District personnel upon request. [Cumulative Increase]

6. The maximum wastewater throughput at the S324 API Separator and S1007 DAF Unit shall not exceed 7,500 gpm during media filter backwash and 7,000 gpm during all other times for each unit. Any modifications to equipment at this facility that increase the annual average waste water throughput at S324 and S1007 shall first be submitted to the BAAQMD in the form of a permit application. [Cumulative Increase]

7. This part will apply after VOC emissions at S1007 must be reduced to provide offsets for Application 13424 per Condition 22970, Part B. The owner/operator shall ensure that S1007, DAF, is controlled by A49, DAF Thermal Oxidizer, A51, DAF Carbon Bed, or A53, Thermal Oxidizer at all times of operation of S1007, except for up to 175 hours per any consecutive 12-month period for startup, shutdown, or maintenance.
[Offsets]

a. Through source testing as described in Part 7(b) and 7(c), the owner/operator must demonstrate that the total reduction of emissions through use of A49, DAF Thermal Oxidizer and/or A51, DAF Carbon Bed will result in a total reduction of 44 tons POC per year, considering that abatement will not occur with either abatement device up to 175 hours per year. If initial testing does not demonstrate total reduction of 44 tons POC per year, the owner/operator may choose to:
   i. In the case of A49, DAF Thermal Oxidizer, perform 4 tests in one year and average the results. In this case, the tests will be performed no less than 2 months apart and no more than 4 months apart.
   ii. In the case of A51, DAF Carbon Bed, average the results of one year's worth of monitoring. If, after further testing, a total of 44 tons worth of POC reduction is not demonstrated, the owner/operator will supply offsets necessary to ensure a total reduction of 44 tons per year POC pursuant to BAAQMD Regulation 2-2-302.

   [Offsets, CEQA]

b. The following conditions apply to operation of A49, DAF Thermal Oxidizer:
   i. Within 90 days of the startup date of A49, DAF Thermal Oxidizer, the owner/operator shall perform a source test to determine the following:
      1. Mass emissions rate for POC that is collected and sent to A49.
      2. Mass emissions rate for POC after abatement by A49.
      3. Mass emissions rate for H2S that is collected and sent to A49.

4. Mass emissions rate for H2S after abatement by A49.
5. Mass emissions rate for SO2

During the source test, the owner/operator shall determine the temperature required to achieve 98.0% destruction by weight of POC or a concentration of 10 ppmv POC at the outlet. The temperature shall become an enforceable limit.

For the purposes of determining the amount of POC controlled, the owner/operator shall use District Method ST-7, Organic Compounds. The owner/operator shall submit the source test results to the District Source Test Manager, the District Permit Evaluation Manager, and the District Director of Compliance and Enforcement no later than 60 days after any source test.
[Offsets, CEQA]

ii. After the initial source test required in Part 8 of this condition, the minimum temperature for A49 shall be 1445 degrees F. A49 shall not be operated below the minimum temperature except during an "Allowable Temperature Excursion" as defined below:
   1. Operation of A49 within 20°F below the minimum temperature
   2. Operation of A49 more than 20°F below the minimum temperature for a period or periods which, when combined are less than or equal to 15 minutes in any hour; or
   3. Operation of A49 more than 20°F below the minimum temperature for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met:
      a. The excursion does not exceed 50°F below the minimum temperature;
      b. The duration of the excursion does not exceed 24 hours; and
      c. The total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period).

   Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour period shall be counted as one excursion toward the 12 excursion limit.

   For each such excursion, sufficient records shall be kept to demonstrate that they meet the qualifying criteria described above. Records shall include at least the following information:
      1. Temperature controller setpoint;
      2. Starting date and time, and duration of each Allowable Temperature Excursion;
      3. Measured temperature during each allowable Temperature Excursion;
      4. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and
      5. All strip charts or other temperature records.

   [Offsets, CEQA]

iii. To determine compliance with the temperature limit in Part 9, A49, Thermal Oxidizer shall be equipped with a temperature measuring device capable of continuously measuring and recording the temperature in A49. The temperature device shall be installed and maintained in accordance with the manufacturer's recommendations, shall be ranged appropriately to measure the temperature limit determined, and shall have a minimum accuracy over the range of 1.0 percent of full-scale.
[Offsets, CEQA]

iv. Deleted Application 13427.

v. The owner/operator shall perform a source test to determine emissions of SO2 from A49, DAF Thermal Oxidizer using District Method ST-19A, Sulfur Dioxide, Continuous Sampling. The owner/operator shall submit the source test results to the District Source Test Manager, the District Permit Evaluation Manager and the District Director of Compliance and Enforcement no later than 60 days after any source test.
[Offsets, CEQA]

vi. If source test data per Part 7.b.v shows that the annual SO2 emissions are greater than 1.2 tons per year, the owner/operator shall provide additional SO2 offsets in accordance with BAAQMD Regulation 2-2-303.
[Offsets, CEQA]

c. The following conditions apply to A51, DAF Carbon Bed

i. A51 shall consist of two or more activated carbon vessels arranged in series, with at least one carbon vessel in service except for up to 175 hours per any consecutive 12-month period for startup, shutdown, or maintenance.
[Offsets, CEQA]

ii. Total emission reduction of A51 shall be demonstrated through use of an in-line flowmeter, and the results of monitoring per the conditions below.
[Offsets]

iii. The owner/operator of A51 shall monitor with a photo-ionization detector (PID), flame-ionization detector (FID), or other method approved in writing by the Air Pollution Control Officer at the following locations:
1. The stream prior to any carbon vessels
2. At the inlet to the last carbon vessel in series
3. At the outlet of the carbon vessel that is last in series prior to venting to atmosphere
[Offsets]

iv. When using an FID to monitor breakthrough, readings may be taken with or without a carbon filter tip fitted on the FID probe. Concentrations measured with the carbon filter tip in place shall be considered methane for the purpose of these permit conditions.
[Offsets]

v. All breakthrough monitoring readings shall be recorded in a monitoring log each time they are taken. Readings shall be conducted on a daily basis initially, but after two months of daily collection, the owner/operator may propose for District review, based on actual measurements taken at the site during operation of the source, that the monitoring schedule be changed to weekly based on the demonstrated breakthrough rates of the carbon vessels. If the District Engineering Division does not disapprove of the proposed monitoring changes within 30 days, the owner/operator shall commence weekly monitoring.
[Offsets]

vi. The owner/operator shall utilize the activated carbon vessels in such a manner to ensure that the outlet stream to atmosphere contains below 10 ppm VOC or 98% reduction of VOC, whichever is greater.
[Offsets]

vii. The owner/operator of this source shall maintain the following records for each month of operation of A51:

1. The hours and times of operation
2. Each monitor reading or analysis result for the day of operation they are taken.
3. The number of spent carbon beds removed from service.

[Offsets]

8. Deleted Application 13427.

9. This part will apply after VOC emissions at S1007 must be reduced to provide offsets for Application 13424 per Condition 22970, Part B. The owner/operator shall seal the DAF outlet channel and downstream sumps by a solid cover with gaskets. Any vents installed on the covered channel shall be routed to the thermal oxidizer or an equivalent control as determined by the APCO. [Offsets, CEQA]

*10. The owner/operator must control with a thermal oxidizer at least 90% of the time on a consecutive 12-month basis, unless owner/operator controls H2S with an equivalent control device as determined by the APCO. [CEQA]

Alternate Operating Scenario for S1007

11. During periods when A49, DAF Thermal Oxidizer, A51, DAF Carbon Bed, and A53, Thermal Oxidizer are not in operation and not abating S1007, the owner/operator shall comply with the following requirements:

a. Affected facility wastes routed to the API or DAF shall be included in the facility TAB in accordance with 40 CFR 61, Subpart FF.
b. The owner/operator shall comply with BAAQMD and SIP Regulations 8-8-307.2 in lieu of BAAQMD and SIP Regulations 8-8-307.1.
c. S1007 shall not be subject to the closed vent and control device requirements in 40 CFR 61.349.
d. The owner/operator shall comply with parts 4, 5, 7, and 9 of this condition during periods when A49, DAF Thermal Oxidizer, A51, DAF Carbon Bed, and A53, Thermal Oxidizer are not in operation and not abating S1007.

This is considered an Alternate Operating Scenario in accordance with BAAQMD Regulation 2-6-409.7 and 40 CFR 70. The owner/operator shall keep a record in a contemporaneous log when a period of non-control at S1007 commences and when control of S1007 resumes. [40 CFR 61, Subpart FF, 40 CFR 70.6(a)(9), BAAQMD Regulation 2-6-409.7]

New Permit Condition 27654 (for AC Issuance)

COND# 1694 ----------

Conditions for Combustion sources and SO2 Cap, except for Gas Turbines, Duct Burners, Engines, and S45, Heater (U246 B801 A/B)

Amended by Rodeo Renewed Project, Application 31157 (2022)

A. Heater Firing Rate Limits and General Requirements

1a. Each heater listed below shall not exceed the indicated daily firing rate limit (based on higher heating value of fuel), which are considered maximum sustainable firing rates. The indicated hourly firing rate is the daily limit divided by 24 hours and is the basis for permit fees and is the rate listed in the District database.

District Source Number	Refinery ID Number	Daily Firing Limit (MMbtu/day)	Hourly Firing Rate (MMbtu/hr)	
S7	U231/B103	1,536	64	Condition 27646, part 1
S21	U244/B507	194.4	8.1	[Regulation 2-1-234.3]

1b.Each heater listed below shall not exceed the indicated daily firing rate limit (based on higher heating value of fuel), which are considered maximum sustainable firing rates. The indicated hourly firing rate is the daily limit divided by 24 hours and is the basis for permit fees and is the rate listed in the District database.

District Source Number	Refinery ID Number	Daily Firing Limit (MM BTU/day)	Hourly Firing Rate (MM BTU/hr)	
S2	U229/B301	528	22	Condition 27646, part 1
S3	U230/B201	1,272	53	Condition 27646, part 1
S4	U231/B101	2,304	96	Condition 27646, part 1
S5	U231/B102	2,496	104	Condition 27646, part 1
S9	U240/B2	1,464	61	Condition 27646, part 1
S10	U240/B101	5,352	223	Condition 27646, part 1
S11	U240/B201	2,592	108	
S12	U240/B202	1,008	42	
S13	U240/B301	4,656	194	
S15 thru S19	U244/B501 thru B505	5,754	239.75	Condition 27646, part 1
S20	U244/B506	552	23	Condition 27646, part 1
S22	U248/B606	744	31	
~~S29~~	~~U200/B5~~	~~2,472~~	~~103~~	shutdown A/N 31157 upon startup
~~S30~~	~~U200/B101~~	~~1,200~~	~~50~~	shutdown A/N 31157 upon startup
S31	U200/B501	480	20	Condition 27646, part 1
S43	U200/B202	5,520	230	Condition 27646, part 1

S44	U200/B201	1,104	46	Condition 27646, part 1
~~S351~~	~~U267~~	~~2,280~~	~~95~~	shutdown A/N 31157 upon startup
S336	U231/B104	2,664	111	Condition 27646, part 1
S337	U231/B105	816	34	Condition 27646, part 1
S371/372	U228/B520 and B521	1,392	58	Condition 27646, part 1

[Regulation 2-1-301]

1c. Each heater listed below shall not exceed the indicated daily firing rate limit (based on higher heating value of fuel), which are considered maximum sustainable firing rates. The indicated hourly firing rate is the daily limit divided by 24 hours and is the basis for permit fees and is the rate listed in the District database.

District Source Number	Refinery ID Number	Daily Firing Limit (MMbtu/day)	Hourly Firing Rate (MMbtu/hr)
S438	U110	6,000	250

[Cumulative Increase]

2a. All sources shall use only ~~refinery~~ fuel gas and natural gas as fuel, EXCEPT for S438 which may also use pressure swing adsorption (PSA) off gas as fuel, and EXCEPT for S3 and S7 which may also use naphtha fuel during periods of natural gas curtailment, test runs, or for operator training. [Regulation 9-1-304 (sulfur content), Regulation 2, Rule 1, Consent Decree Case No. 05-0258, DATE: 1/27/05] Amended Application 12931

2b. Deleted.

2c. Deleted.

3a.The ~~refinery~~ fuel gas shall be tested for total reduced sulfur (TRS) concentration by GC analysis at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. As an alternative to GC TRS analysis, the fuel gas total sulfur content may be measured with a dedicated total sulfur analyzer (Houston Atlas or equivalent), and TRS concentration estimated based on the total sulfur/TRS ratio, with the TRS estimate increased by a 5% margin for conservatism. The total

sulfur/TRS ratio shall be determined at least on a monthly basis through GC analyses of total sulfur and TRS values, and the most recent ratio shall be used to estimate TRS concentration.[SO2 Bubble]

3b.The average of the 3 daily ~~refinery~~ fuel gas TRS sample results shall be reported to the District in a table format each calendar month, with a separate entry for each daily average. Sample reports shall be submitted to the District within 30 days of the end of each calendar month. Any omitted sample results shall be explained in this report. [SO2 Bubble]

4. Emissions of SO2 shall not exceed 1,612 lb/day on a monthly average basis from non-cogeneration sources burning fuel gas or liquid fuel. This limit shall not include S45, Heater (U246) and shall not include any engine. [SO2 Bubble]

5. The following records shall be maintained in a District-approved log for at least 5 years and shall be made available to the District upon request:

a. Daily and monthly records of the type and amount of fuel combusted at each source listed in Part A.1. [Regulation 2, Rule 1]
b. TRS sample results as required by Part A.3 [SO2 Bubble]
c. SO2 emissions as required by Part A.4 [SO2 Bubble]
d. The operator shall keep records of all visible emission monitoring required by Part 2b, shall identify the person performing the monitoring and shall describe all corrective actions taken [Regulation 2-6-409.2]
e. The operator shall keep records of all visible emission monitoring required by Part 2c, of the results of required visual monitoring and Method 9 evaluations on these sources, shall identify the person performing the monitoring and shall describe all corrective actions taken. [Regulation 2-6-409.2]

6. Sources listed below are affected facilities under NSPS Subpart J and are subject to the application requirements of NSPS Subparts A and J for fuel gas combustion devices. [Consent Decree Case No. 05-0258, DATE: 1/27/05]

S2 U229/B301
S3 U230/B201
S4 U231/B101
S5 U231/B102
S7 U231/B103
S9 U240/B2
S10 U240/B101
S11 U240/B201
S12 U240/B202
S13 U240/B301
S15-S19 U244/B501-B505
S20 U244/B506
S21 U244/B507
S22 U244/B606
~~S29 U200/B5~~
~~S30 U200/B101~~
S31 U200/B501

B. S351 Preheater. Deleted. S-351 shutdown in Rodeo Renewed Project, Application 31157 upon startup.

~~1. The S351 heater shall be abated by the A6 SCR unit at all times, except that S351 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S351 NOx emission rate whenever S351 operates without abatement. All emission limits applicable to S351 shall remain in effect whether or not it is operated with SCR abatement. [BACT, Cumulative Increase]~~

~~2.The concentration of NOx from S351 shall not exceed 20 ppmv @ 3% oxygen, dry, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours. [BACT, Cumulative Increase]~~

~~3. The following instruments shall be installed and maintained to demonstrate compliance with Part 2:~~

~~a. continuous NOx analyzer/recorder~~
~~b. continuous O2 or CO analyzer/recorder~~

~~[BACT, Cumulative Increase]~~

C. S371 and S372 Furnaces (Condition 27646, Part 1)

1. The S371 furnace shall be abated by the A16 SCR unit at all times, and the S372 furnace shall be abated by the A17 SCR unit at all times, except that S371 and S372 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the NOx emission rates from these heaters whenever they operate without abatement. All emission limits applicable to S371 and S372 shall remain in effect whether or not they are operated with SCR abatement. [BACT, Cumulative Increase]

2. The concentration of NOx from S371 and S372 shall not exceed 20 ppmv, dry, corrected to 3% oxygen, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period, which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours. [BACT, Cumulative Increase]

3. The concentration of CO emissions from S371 and S372 shall not exceed 50 ppmv, dry, corrected to 3% oxygen, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period, which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period, which shall not exceed 9 hours.
[BACT, Cumulative Increase]

D. S43 Coking Furnace (Unit 200 B-202) and S44 (Unit 200 B-201 PCT Reboil Furnace) (Condition 27646, Part 1)

1.Nitrogen oxide emissions from the S43 Coking

Furnace (Unit 200 B-202) shall be abated by Selective Catalytic Reduction Unit A4 at all times, except that S43 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S43 NOx emission rate whenever S43 operates without abatement. All emission limits applicable to S43 shall remain in effect whether or not it is operated with SCR abatement.
[BACT, Cumulative Increase]

2. The nitrogen oxides in the flue gases for S43, Unit 200 B-202 Coking Furnace and S44, Unit 200 B-201 PCT Reboil Furnace shall not exceed 40 ppmdv corrected to 3% oxygen, dry, over any consecutive 8 hour period. This limit shall not apply during a startup period which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours.
[BACT, Cumulative Increase]

3. The carbon monoxide in the flue gas for S43, Unit 200 B-202 Coking Furnace and S44, Unit 200 B-201 PCT Reboil Furnace shall not exceed 50 ppmdv corrected to 3% oxygen averaged over any calendar month. This condition shall not apply during start-up and shutdown. [BACT, Cumulative Increase]

4. Instruments shall be installed and operated to continuously monitor the percentage of oxygen and the concentration of nitrogen oxides from the following sources: S43, Unit 200 B-202 Coking Furnace and S44, Unit 200 B-201 PCT Reboil Furnace.
[BACT, Cumulative Increase]

E. S438 Furnace

1. The S438 furnace shall be abated by the A46 SCR unit at all times, except that S438 may operate without SCR abatement on a temporary basis for

periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S438 NOx emission rate whenever S351 operates without abatement. All emission limits applicable to S438 shall remain in effect whether or not it is operated with SCR abatement.
[BACT, Cumulative Increase]

2. Total fuel fired in S438 shall not exceed 2.19 E 12 btu in any rolling consecutive 365 day period. [Cumulative Increase]

3.Pressure swing adsorption (PSA) off gas used as fuel at S438 shall not exceed 1.0 ppm (by weight) total reduced sulfur (TRS). TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide.
[BACT, Cumulative Increase]

4. The following emission concentration limits from S438 shall not be exceeded. These limits shall not apply during startup periods not exceeding 24 hours (72 hours when drying refractory or during the first startup following catalyst replacement) and shutdown periods not exceeding 24 hours. The District may approve other startup and shutdown durations.

NOx: 7 ppmv @ 3% oxygen, averaged over any 1 hour period
CO: 32 ppmv @ 3% oxygen, averaged over any calendar day
POC: 0.0023 lb/MMbtu of fuel used
PM10 : 0.004 lb/MMBtu of fuel used
[BACT, Cumulative Increase]

45.The concentration of TRS in the blended fuel gas shall not exceed 14 ppmv averaged over any calendar month. [SO2 bubble, Cumulative Increase]

6. Daily records of the type and amount of fuel combusted at S438 and of the TRS and hydrogen sulfide concentration in the blended fuel gas, and monthly records of average blended fuel gas TRS concentration, shall be maintained for at least five years and shall be made available to the District upon request. [Cumulative Increase]

7. No later than 90 days from the startup of S438, the owner/operator shall conduct District-approved

source tests to determine initial compliance with the limits in Part 4 for NOx, CO and POC. The owner/operator shall conduct the source tests in accordance with Part 8. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. [BACT, Cumulative Increase]

8. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements for continuous emissions monitors as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. [BACT, Cumulative Increase]

F. S2, S3, S4, S5, S7, S9, S10, S11, S12, S13, Heaters

1b. Total fuel firing at Unit 240 (S9, S10, S11, S12, and S13) shall not exceed 616.4 MMbtu/hr (based on higher heating value) averaged over any consecutive 12 month period. [Cumulative Increase]

2. Total fuel fired at the MP-30 Complex, including Unit 229 (S2), Unit 230 (S3) and Unit 231 (S4, S5, S7) shall not exceed 346.5 MMbtu/hr (based on higher heating value) averaged over any consecutive 12 month period. [Cumulative Increase]

3. Monthly records of the fuel fired at sources in Parts 1 and 2 shall be kept in a District-approved log for at least 5 years and shall be made available the District upon request. [Cumulative Increase]

4. The owner/operator shall not exceed the following NOx emission limits as measured by NOx CEMs:
a.S10: 0.015 lb NOx per MMBtu heat input based on a 12 consecutive month average.
b.S13: 0.015 lb NOx per MMBtu heat input based on a 12 consecutive month average.
C. S15, S16, S17, S18 and S19 combined: 0.015 lb NOx per MMBtu heat input based on a 12 consecutive month average.

[Basis: ConocoPhillips-EPA Consent Decree Case No. H-05-0258]

5. Deleted.

G. Regulation 9-10 Startup / Shutdown Provisions [Basis: 9-10-301]

For determining compliance with Regulation 9-10-301, the contribution of each affected unit that is in a startup or shutdown condition shall be based on the methods described in 9-10-301.1, and the contribution of each affected unit that is in an out of service condition shall be based on the methods described in 9-10-301.2. Low-firing conditions (no higher than 20% of a unit's rated capacity), including refractory dryout periods, shall be considered out of service conditions subject to the 30-day averaging procedure in Regulation 9-10-301.2, including the 60-day annual limit for this procedure.

1. Heater S44 (Unit 200, B-201) shall be considered to be in normal operation whenever it has detectable fuel flow, and shall be considered to be out of service for the purpose of Regulation 9-10-301 whenever it has undetectable fuel flow.

2. For heaters S43 (Unit 200, B-202), S351 (Unit 267, B-601/602) and S371/372 (Unit 228, B-520/521), the durations of startups, shutdowns and refractory dryout periods are defined in Condition 1694, Part D.2 (S43), Part B.2 (S351) and Part C.2 (S371, S372).

3. For heaters S10 (Unit 240, B-101) and S15 through S19 (Unit 244, B-501 through B-505), the duration of startups, shutdowns and low-firing periods are defined as follows:

   a. startup and shutdown periods are not to exceed 24 hours
   b. low-firing periods are not to exceed 72 hours

4. For heater S13 (Unit 240, B-301), the duration of startups, shutdowns and low-firing periods are defined as follows:

   a. startup and shutdown periods are not to exceed 72 hours
   b. low-firing periods are not to exceed 72 hours

5. For heaters with no CEMS:

S2 (Unit 229, B-301)
S3 (Unit 230, B-201)
S4 (Unit 231, B-101)
S5 (Unit 231, B-102)
S7 (Unit 231, B-103)
S9 (Unit 240, B-2)
S11 (Unit 240, B-201)
S12 (Unit 240, B-202)
S20 (Unit 244, B-506)
S22 (Unit 248, B-606)
~~S29 (Unit 200, B-5)~~ Shutdown in A/N 31157 upon startup
~~S30 (Unit 200, B-101)~~ Shutdown in A/N 31157 upon startup
S31 (Unit 200, B-501)
S336 (Unit 231, B-104)
S337 (Unit 231, B-105)

startups, shutdowns, and out of service conditions shall each not exceed 5 days in succession at each source.

New Permit Condition 27655 (for AC Issuance)

COND# 4336 ----------

Conditions For S425, S426, Marine Loading Berths
This condition was amended by Applications 13424, 21342, 22904, 27798, 31703, and 31157 Rodeo Renewed Project (2022).

1. For each loading event of "regulated organic liquid", the owner/operator shall operate A-420 with a temperature of at least 1300 degrees F during the first 15 minutes of the loading operation. After the initial 15 minutes of loading, the A420 temperature shall be at least 1400 degrees F. [Cumulative Increase]

2. The owner/operator of S-425 and/or -426's instruments shall be properly installed and properly maintained per manufacturer's specifications to monitor and record the following:

   a. Static pressure developed in the marine tank vessel
   b. A420 temperature.
   c. Hydrocarbons and flow to determine mass emissions or a concentration measurement alone if it is demonstrated to the satisfaction of the APCO that concentration alone allows verification of compliance, or
   d. Any other device that verifies compliance, with prior approval from the APCO.

   [Cumulative Increase]

3. The owner/operator of S-425 and/or S-426 shall not load a "regulated organic liquid" from this facility into a marine tank vessel and/or shall not load any liquid into cargo tank of a marine tank vessel when the tanks' prior cargo was a regulated organic liquid within the District whenever A420 is not fully operational. A420 shall be maintained to be leak free, gas tight, and in good working order. For the purposes of this condition, "operational" shall mean the system is achieving the reductions required by Regulation 8, Rule 44; "regulated

organic liquids" include gasoline, gasoline blendstocks, aviation gasoline and JP-4 aviation fuel, renewable naphtha, and crude oil. [Cumulative Increase]

4. The owner/operator of S-425 and/or S-426 shall ensure a leak test shall be conducted on all vessels loading under positive pressure prior to loading more than 20% of the cargo. The leak test shall include all vessel relief valves, hatch cover, butterworth plates, gauging connections, and any other potential leak points. [Cumulative Increase]

5. The owner/operator of S-425 and/or S-426 shall ensure the loading pressure shall not exceed 80% of the lowest relief valve set pressure of the vessel being loaded. [Cumulative Increase]

6. The owner/operator of ~~S-425 and/or S-426 shall comply with all of the following conditions:~~ each S-425 or S-426 and combined S-425 and S-426 shall not load more than the following throughput per day on a 365-day average basis:

a. No more than 25,000 barrels ~~per day~~ of gasoline, gasoline blending stocks, aviation gas, naphtha, renewable naphtha, aviation fuel (JP-4 type), and C5/C6 combined ~~shall be shipped across the wharf on an annual average basis. [Cumulative Increase]~~.

- 25,000 barrels of renewable feedstocks
- 67,000 barrels of renewable diesel

~~naphtha and C5/C6 shall be shipped across the wharf on an annual average basis. {[~~Basis: Cumulative Increase~~)]~~

i.Deleted Application 13690

ii.~~When barges are used to lighter crude oil, the volume of oil lightered during any reporting period shall be multiplied by a factor of 0.42 and included in the shipping totals to determine compliance with the throughput limits. The vessel Exxon Galveston is considered a ship for the purposes of this condition.~~ Deleted Application 31157, lightering is no longer used.

b. When A420 is loading regulated materials in accordance with Part 1 above, the owner/operator of S425 and/or S426 shall ensure t~~T~~he maximum loading rate at any time at both S425 and S426 combined shall not exceed 20,000 barrels per hour to prevent overloading the A420 oxidizer.
[Cumulative Increase]

7. ~~The owner/operator shall not receive more than 51,182 bbl per day of crude oil and/or gas oil delivered by tanker, barge or ship at the Marine Terminal (S425, S426) on a 12 month rolling average basis. In addition, no more than 59 tankers or ships shall deliver crude and/or gas oil to the Marine Terminal in any 12 consecutive months.~~
~~(Cumulative increase, 2-1-403, Offsets)~~ Deleted per Application 31157, S-425 and S-426 will stop receiving crude oil and gas oil.
(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative increase)

8. All throughput records required to verify compliance with Parts 6a and ~~7~~6b, including hourly loading rate records (total for S425, S426), ~~monthly crude oil receipt records,~~ and maintenance records required for A420,

which are subject to Regulation 8, Rule 44, shall be kept on site for at least 5 years and made available to the Air District upon request. [Cumulative Increase]

9. The destruction efficiency of the A420 control system shall be at least 98.5% by weight over each loading event for gasoline, gasoline blending stocks, aviation gas, renewable naphtha, and aviation fuel (JP-4 type).~~, and crude oil~~. [BACT]

10.Deleted Application 27798.

11.Deleted Application 27798.

12.Deleted Application 27798.

13.Deleted Application 27798.

14.Deleted Application 22906

10. The owner/operator of each S-425 or S-426 and S-425 and S-426 combined shall not exceed 467 lbs of POC per calendar day, and/or 10.206 tons of POC during any consecutive rolling 12-month period.
(Basis: Regulation 2-1-403 Permit Conditions, Regulation 2-2-208 Cumulative increase)

11.The owner/operator of each S-425 and/or S-426 and S-425 and S-426 combined shall not load more than the following maximum throughput per calendar day:

- 145,400 barrels of gasoline, gasoline blending stocks, aviation gas, renewable naphtha, and aviation fuel (JP-4 type) combined,
- 113,100 barrels of renewable feedstocks,
- 145,400 barrels of renewable diesel

(Basis: Regulation 2-2-208 Cumulative Increase)

~~7~~12. To determine compliance with the above condition(s), the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including, but not necessarily limited to, the following information:

a. Date and time of unloading and loading operations at each S-425 and/or S-426 and for S-425 and S-426 combined

b. On a daily basis, type and amount material unloaded and loaded at each S-425 and/or S-426 and for S-425 and S-426 combined;

c. Records of all lab analysis and source test results of vapor pressure and emission factors of loading materials at each S-425 and/or S-426 and for S-425 and S-426 combined;

d. Hourly records of loading rate per Part 6b;

e. Monthly records of the number of tanker and ship deliveries of each material, totaled on a consecutive 12 month basis.

These records shall be kept on-site for at least 5 years. All records shall be recorded in a District approved log and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable Air District Regulations.
(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 1-441)

COND# 7523 for S-294 non-retail gasoline dispensing facility -----
amended by Application 31157 (2022)

1. The owner/operator shall not exceed the facility's annual gasoline throughput of 400,000 gallons in any consecutive 12 month period. (Basis: Regulation 2-2-208 Cumulative Increase)

New Permit Condition 27656 (for Startup Issuance)

CONDITION 11219

CONDITIONS FOR S449, TANK (T-285)- Rodeo Renewed Project startup, Application 31157 (2022).

1. The owner/operator shall ensure the ~~Working~~ emissions from S449 shall be collected and vented to the refinery Vapor Recovery System A-7~~fuel gas supply.~~or ~~Other~~ other Air District's approved abatement devices, which provide at least ~~95~~98% abatement of VOC emissions by weight.~~, may be used with the prior approval of the District~~. [Basis: Cumulative Increase, Regulation 1-107]

New Permit Condition 27754 (for AC Issuance)

CONDITION 12122

CONDITIONS FOR S352, S353, S354, S355, S356, S357: TURBINES AND DUCT BURNERS
AMENDED BY RODEO RENEWED PROJECT, APPLICATION 31157 (2022)

1. The gas turbines (S352, S353 and S354) and the heat recovery steam generator (HRSG) duct burners (S355, S356 and S357) shall be fired on ~~refinery~~ fuel gas or natural gas. [Cumulative Increase]
2. A HRSG duct burner shall be operated only when the associated gas turbine is operated. [Cumulative Increase]
3. The exhaust from S352 and S355 shall be abated at all times by SCR unit A13, except that S352 and S355 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the 352 and S355 NOx emission rate whenever S352 and S355 operate without abatement. All emission limits applicable to S352 and S355 shall remain in effect whether or not they are operated with SCR abatement. [BACT, Cumulative Increase]
4. The exhaust from S353 and S356 shall be abated at all times by SCR unit A14, except that S353 and S356 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S353 and S356 NOx emission rate whenever S353 and S356 operate without abatement. All emission limits applicable to S353 and S356 shall remain in effect whether or not they are operated with SCR abatement. [BACT, Cumulative Increase]
5. The exhaust from S354 and S357 shall be abated at all times by SCR unit A15, except that S354 and S357 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S354 and S357 NOx emission rate whenever S354 and S357 operate without abatement. All emission limits applicable to S354 and S357 shall remain in effect whether or not they are operated with SCR abatement. [BACT, Cumulative Increase]
6. Total fuel fired in S355, S356, and S357 shall not exceed 2.42 E 12 btu in any consecutive 365 day period. [Cumulative Increase]
7. CO emissions from each turbine/duct burner set shall not exceed 39 ppmv at 15% oxygen, averaged over any consecutive 30 day period. Emissions during startup periods, which shall not exceed four hours, and shutdown periods, which shall not exceed two hours, may be excluded when averaging emissions. [BACT, Cumulative Increase]

8. POC emissions from each turbine/duct burner set shall not exceed 6 ppmv at 15% oxygen, averaged over any consecutive 30 day period. Emissions during startup periods, which shall not exceed four hours, and shutdown periods, which shall not exceed two hours, may be excluded when averaging emissions. [BACT, Cumulative Increase]

9a. The combined NOx emissions from S352, S353, S354, S355, S356 and S357 shall not exceed 66 lb/hr (averaged over any 3 hour period), nor 167 tons in any consecutive 365 day period. NOx emissions from each turbine/duct burner set shall not exceed 528 lb/day. (This condition will be invalid when the NOx emissions at these sources must be reduced to provide offsets for Application 13424.) [BACT, Cumulative Increase]

9b. This part will apply after NOx emissions at S352, S353, S354, S355, S356 and S357 must be reduced to provide offsets for Application 13424 per Condition 22970, Part B. The combined NOx emissions from S352, S353, S354, S355, S356 and S357 shall not exceed 66 lb/hr (averaged over any 3 hour period), and shall not exceed 79.8 tons in any consecutive 365 day period. NOx emissions from each turbine/duct burner set shall not exceed 528 lb/day. [BACT, Cumulative Increase, Offsets]

9c. NOx emissions from S352, S353, S354, S355, S356 and S357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]

9d. The owner/operator shall use a fuel meter to determine the heat input to each unit. This data shall be used to determine compliance with all throughput limits and the NOx, CO, and SO2 mass emission limits. [Cumulative Increase, 2-6-503]

10a. The combined CO emissions from S352, S353, S354, S355, S356 and S357 shall not exceed 200 tons in any consecutive 365 day period. [BACT, Cumulative Increase]

10b. CO emissions from S352, S353, S354, S355, S356 and S357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]

11. The combined POC emissions S352, S353, S354, S355, S356 and S357 shall not exceed 8.3 lb/hr and shall not exceed 30.5 tons in any consecutive 365 day period. [BACT, Cumulative Increase]

12. The ~~refinery~~ fuel gas shall be tested for total reduced sulfur (TRS) concentration at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. [Cumulative Increase]

13. The average of the 3 daily ~~refinery~~ fuel gas TRS sample results shall be reported to the Air District in a table format each calendar month, with a separate entry for each daily average. Sample reports shall be submitted to the Air District within 30 days of the end of each calendar month. Any omitted sample results shall be explained in this report. [Cumulative Increase]

14. A source test to verify compliance with Parts 8 and 11 shall be performed each calendar year in accordance with Air District source test methods or other methods approved in advance by the Air District. A copy of the test report shall be provided to the District Director of Compliance and Enforcement within 60 days of completion of the test. [Regulation 2-6-409.2]

15. Records shall be maintained to allow verification of compliance with all permit conditions. Records shall be retained for at least five years and shall be made available to the Air District upon request. [BACT, Cumulative Increase]

CONDITION 12124

CONDITIONS FOR S439, TANK (T-109) Deleted, shut down source in Rodeo Renewed Project, Application 31157 (2022) upon startup

1. ~~The owner/operator shall ensure that S439 stores only crude oil or petroleum liquids with a vapor pressure of 3.0 psia or less. [BACT]~~

2. ~~The following total throughput of crude oil shall not be exceeded in any rolling continuous 12 month period:~~

   ~~10 million barrels [Cumulative Increase]~~

3. ~~S439 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. The owner/operator shall equip S439 with a BAAQMD approved roof with liquid mounted primary seal that meets the design criteria of BAAQMD Regulation 8-5-321.3 and secondary seal that meets the design criteria of BAAQMD Regulation 8-5-322.5. The owner/operator shall ensure that there are no ungasketed roof penetrations, no slotted pipe guide poles unless equipped with float and wiper seals, and no adjustable roof legs unless fitted with vapor seal boots or equivalent. [BACT, cumulative increase]~~

4. ~~Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]~~

CONDITION 12127

CONDITIONS FOR S442, TANK (T-112)

Deleted, shut down in Rodeo Renewed Project, Application 31157 (2022)

1. ~~The owner/operator shall ensure that following total throughput limits are not exceeded in any rolling consecutive12 month period:~~

   ~~a. 10 million barrels of gas oil.~~
   ~~b. 10 million barrels of crude oil.~~
   ~~c. 10 million barrels of gas oil and crude oil combined~~
   ~~[Basis: Cumulative Increase]~~

2. ~~The owner/operator shall only store the following in S442: gas oil with a true vapor pressure less than or equal to 3.0 psia, or crude oil with a true vapor pressure less than or equal to 11.0 psia. [Basis: Cumulative Increase]~~

3. ~~The owner/operator shall operate S442 with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. The owner/operator shall equip S442 with a BAAQMD approved roof with liquid mounted primary seal that meets the design criteria of BAAQMD Regulation 8-5-321.3 and secondary seal that meets the design criteria of BAAQMD Regulation 8-5-322.5. The owner/operator shall ensure that there are no ungasketed roof penetrations, no slotted pipe guide poles unless equipped with float and wiper seals, and no adjustable roof legs unless fitted with vapor seal boots or equivalent.~~

   ~~[Basis: BACT, Cumulative Increase]~~

~~3. Monthly records of the throughput of each material processed at this tank shall be kept in a District approved log for at least 5 years and shall be made available to the District upon request. [Basis: Cumulative Increase]~~

New Permit Condition 27808 (for Startup-Phase in Issuance)

CONDITION 12130

CONDITIONS FOR S445, TANK (T-271)
S-445 will be exempt after Rodeo Renewed Project startup, Application 31157 (2022). New condition 27646, Part 21 requires notification of switch to exempt service. New condition 27646, Part 22 also requires~~d~~ notification of switching to exempt service only.

1. Working emissions from S445 shall be collected and vented to the refinery fuel gas supply. Other abatement devices, which provide at least ~~95~~98% abatement of ~~VOC~~ POC and/or NPOC combined emissions by weight, may be used with the prior approval of the Air District. [Basis: Cumulative Increase, Regulation 1-107]

CONDITION 12131

CONDITIONS FOR S446, TANK (T-310)
Amended by Application 31157 (2022)

1. The owner/operator shall ensure the~~Working~~ emissions from S446 ~~shall~~ be collected and vented to the refinery Vapor Recovery System A-7~~fuel gas supply~~ or other Air District~~'s~~ approved ~~. Other~~ abatement devices, which provide at least ~~95~~98% abatement of ~~VOC~~ POC and/~~-~~or NPOC combined emissions by weight~~, may be used with the prior approval of the District~~.
[Basis: Cumulative Increase, Regulation 1-107]

CONDITION 12132

CONDITIONS FOR S447, TANK (T-311)
Amended by Application 31157 (2022)

1. The owner/operator shall ensure the~~Working~~ emissions from S447 ~~shall~~ be collected and vented to the refinery Vapor Recovery System A-7~~fuel gas supply.~~ or~~-~~ ~~Other~~ other Air District~~'s~~ approved abatement devices, which provide at least ~~95~~98% abatement of ~~VOC~~ POC and/or NPOC combined emissions by weight~~, may be used with the prior approval of the District~~.
[Basis: Cumulative Increase, Regulation 1-107]

New Permit Condition 27809 (for Startup Issuance)

CONDITION 12133
AMENDED BY APPLICATIONS 22023 (SEPT. 2010) AND 23726 (OCT 2011)
CONDITIONS FOR S-448 (T-1007), S-448 will be exempt after Rodeo Renewed Project startup, Application 31157 (2022).

~~CONDITIONS FOR S448, TANK (T-1007)~~

~~1. The following total throughput shall not be exceeded in any rolling continuous 12 month period, except that the throughput of materials that are not subject to Regulation 8, Rule 5 and 40 CFR Part 60 Subpart Kb is not restricted:~~
~~2,190 thousand barrels [Cumulative Increase]~~ Delete, tank exempt.

2. S448 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]

~~3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request.~~
~~[Cumulative Increase]~~Deleted, Tank exempt.

Alternate Operating Scenario

4. S-448 is under an Alternate Operating Scenario in accordance with BAAQMD Regulation 2-6-409.7 and 40 CFR 70 and either stores material subject to Regulation 8, Rule 5 and 40 CFR Part 60 Subpart Kb or stores material exempt from Regulation 8, Rule 5 and 40 CFR Part 60 Subpart Kb.
   a. The owner/operator shall keep a record in a contemporaneous log of the stored material.
   b. The owner/operator shall notify the District in accordance with section 40 CFR 60.113(a)(5) prior to storing materials in S-448 that are subject to Regulation 8, Rule 5 and 40 CFR Part 60 Subpart Kb.
   c. The owner/operator shall perform inspections required by Regulation 8, Rule 5 and 40 CFR Part 60 Subpart Kb prior to storing materials in S-448 that are subject to those regulations.

[40 CFR 70.6(a)(9), BAAQMD Regulation 2-6-409.7]

CONDITION 18255

FOR SOURCES S296 AND S398, FLARES

1. Deleted Application 12601.

2. Deleted Application 12601.

3. For the purposes of these conditions, a flaring event is defined as a flow rate of vent gas flared in any consecutive 15 minutes period that continuously exceeds 330 standard cubic feet per minute (scfm). If during a flaring event, the vent gas flow rate drops below 330 scfm and then increases above 330 scfm within 30 minutes, that shall still be considered a single flaring event, rather than two separate events. For each flaring event during daylight hours (between sunrise and sunset), the owner/operator shall inspect the flare within 15 minutes of determining the flaring event, and within 30 minutes of the last inspection thereafter, using video monitoring or visible inspection following the procedure described in Part 4. [Regulation 2-6-409.2]

4. The owner/operator shall use the following procedure for the initial inspection and each 30-minute inspection of a flaring event.

a. If the owner/operator can determine that there are no visible emissions using video monitoring, then no further monitoring is necessary for that particular inspection.

b. If the owner/operator cannot determine that there are no visible emissions using video monitoring, the owner/operator shall conduct a visual inspection outdoors using either:

i. EPA Reference Method 9; or

ii. Survey the flare by selecting a position that enables a clear view of the flare at least 15 feet, but not more than 0.25 miles, from the emission source, where the sun is not directly in the observer's eyes.

c. If a visible emission is observed, the owner/operator shall continue to monitor the flare for at least 3 minutes, or until there are no visible emissions, whichever is shorter.

d. The owner/operator shall repeat the inspection procedure for the duration of the flaring event, or until a violation is documented in accordance with Part 5. After a violation is documented, no further inspections are required until the beginning of a new calendar day.

[Regulation 6-1-301, 2-1-403]

5. The owner/operator shall comply with one of the following requirements if visual inspection is used:

a. If EPA Method 9 is used, the owner/operator shall comply with Regulation 6-1-301 when operating the flare.

b. If the procedure of Part 4.b.ii is used, the owner/operator shall not operate a flare that has visible emissions for three consecutive minutes.

[Regulation 2-6-403]

6. The owner/operator shall keep records of all flaring events, as defined in Part 3. The owner/operator shall include in the records the name of the person performing the visible emissions check, whether video monitoring or visual inspection (EPA Method 9 or visual inspection procedure of Part 4) was used, the results of each inspection, and whether any violation of this condition (using visual inspection procedure in Part 4) or Regulation 6-1-301 occurred (using EPA Method 9). [Regulation 2-6-501; 2-6-409.2]

7. Deleted Application 12601.

8. The owner/operator shall operate and maintain a flare gas recovery system to control continuous or routing combustion in the Refinery Main Flare (S296). Use of a flare gas recovery system on a flare obviates the need to continuously monitor and maintain records of hydrogen sulfide in the gas as otherwise required by 40 CFR 60.105(a)(4) and 60.7. [Consent Decree Case No. 05-0258, paragraph 139(a)]

9. Recognizing that periodic maintenance may be required for properly designed and operated flare gas recovery systems, Phillips 66 will take all reasonable measure to minimize emissions while such periodic maintenance is being performed. Nothing in this part shall exempt the source from compliance with other applicable State and Local requirements. [Consent Decree Case No. 05-0258, paragraph 148]

10. The flare gas recovery system may be temporarily bypassed in the event of an emergency or in order to ensure safe operation of refinery processes. Nothing in this part shall exempt the source from compliance with other applicable State and Local requirements. [Consent Decree Case No. 05-0258, paragraph 149]

11. Phillips 66 shall eliminate the routes of continuous or intermittent, routinely-generated fuel gases to the MP-30 Flare (S398) and operate the flare such that it receives only process upset gases, fuel gas released as a result of relief valve leakage or gases released due to other emergency malfunctions.

12. Acid Gas or Hydrocarbon Flaring Incident Root Cause Analyses

The facility shall investigate the cause of acid gas and hydrocarbon flaring incidents, take reasonable steps to correct the conditions that have caused or contributed to such flaring incidents, and minimize such flaring incidents.

For purposes of this specific part, acid gas flaring shall mean the continuous or intermittent combustion of acid gas and/or sour water stripper gas. Hydrocarbon flaring shall mean the continuous or intermittent combustion of refinery-generated gases, except for acid gas and/or sour water stripper gas and/or tail gas, that results in the emission of sulfur dioxide equal to, or greater than 500 pounds in a 24 hour period; provided, however, that if 500 pounds or more of sulfur dioxide have been emitted in a 24 hour period and flaring continues into subsequent, contiguous, non-overlapping 24 hour period(s), each period of which results in emissions equal to, or in excess of 500 pounds of sulfur dioxide, then only one flaring incident shall have occurred. Subsequent, contiguous, non-overlapping periods are measured from the initial commencement of flaring within the flaring incident.

The owner/operator shall take, as expeditiously as practicable, such interim and/or long-term corrective actions, if any, as are consistent with good engineering practice to minimize the likelihood of a recurrence of the root cause and all contributing causes of the flaring incident(s). For purposes of this specific condition, Root Cause shall mean the primary cause(s) of a flaring incident(s) as determined through a process of investigation. To the extent that a flaring incident has as its root cause the bypass of a flare gas recovery system for safety or maintenance, the owner/operator is only required to keep a record of the date, time and duration of the event. A single Root Cause analysis may be used for root causes that occur routinely. Where the owner/operator has previously analyzed hydrocarbon incidents related to startup and shutdown, it may refer to those analyses when evaluating later incidents. Records of such investigations and corrective actions shall be kept onsite and shall be made available to District staff upon request. [Consent Decree Case No. 05-0258, paragraphs 152, 167]

13. Tail Gas RCA

Tail gas flaring shall mean combustion of tail gas that either is: (i) combusted in a flare and results in 500 pounds or more of SO2 emissions in any 24 hour period; or (ii) Combusted in a thermal incinerator and results in excess emissions of 500 pounds or more of SO2

emissions in any 24 hour period. Only those time periods which are in excess of a SO2 concentration of 250 ppm (rolling twelve-hour average) shall be used to determine the amount of excess SO2 emissions from the incinerator; provided, however, that if 500 pounds or more of sulfur dioxide have been emitted in a 24 hour period and flaring continues into subsequent, contiguous, non-overlapping 24 hour period(s), each period of which results in emissions equal to, or in excess of 500 pounds of sulfur dioxide, then only one flaring incident shall have occurred. Subsequent, contiguous, non-overlapping periods are measured from the initial commencement of flaring within the flaring incident.

The owner/operator shall take, as expeditiously as practicable, such interim and/or long-term corrective actions, if any, as are consistent with good engineering practice to minimize the likelihood of a recurrence of the Root Cause and all contributing causes of the flaring incident(s). For purposes of this specific condition, Root Cause shall mean the primary cause(s) of a flaring incident(s) as determined through a process of investigation. To the extent that a flaring incident has as its root cause the bypass of a flare gas recovery system for safety or maintenance, the owner/operator is only required to keep a record of the date, time and duration of the event. A single Root Cause analysis may be used for root causes that occur routinely. Where the owner/operator has previously analyzed hydrocarbon incidents related to startup and shutdown, it may refer to those analyses when evaluating later incidents. Records of such investigations and corrective actions shall be kept onsite and shall be made available to District staff upon request. [Consent Decree Case No. 05-0258, paragraph 152]

CONDITION 18629

Conditions for S352, S353, S354, S355, S356, S357
May 30, 1989 PSD Permit Amendments (first issued March 3, 1986)
Permit NSR 4-4-3 SFB 85-03

I. [Obsolete – Approval to Construct executed in a timely manner]

II. [Obsolete – Approval to Construct executed in a timely manner]

III. Facilities Operation

All equipment, facilities and systems installed or used to achieve compliance with the terms and conditions of this Approval to Construct/Modify shall at all times be maintained in good working order and be operated as efficiently as possible so as to minimize air pollutant emissions.

IV. Malfunction

The Regional Administrator shall be notified by telephone within two working days following any failure of air pollution control equipment, process equipment, or of any process to operate in a normal manner which results in an increase in emissions above any allowable emissions limit stated in Section IX of these conditions. In addition, the Regional Administrator shall be notified in writing within 15 days of any such failure. This notification shall include a description of the malfunctioning equipment or abnormal operation, the date of the initial failure, the period of time over which emissions were increased due to the failure, the cause of the failure, the estimated resultant emissions in excess of those allowed under Section IX of these conditions, and the methods utilized to restore normal operations. Compliance with this malfunction notification

provision shall not excuse or otherwise constitute a defense to any violations of this permit or of any law or regulations that such malfunction may cause.

V. Right to Entry

The Regional Administrator, the head of the State Air Pollution Control Agency, the head of the responsible local air pollution control agency, and/or their authorized representatives, upon presentation of credentials, shall be permitted:

A. to enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Approval to Construct/Modify; and

B. at reasonable times to have access to and copy any records required to be kept under the terms and conditions of this Approval to Construct/Modify; and

C. to inspect any equipment, operation, or method required in this Approval to Construct/Modify; and

D. to sample emissions from this source.

VI. Transfer of Ownership

In the event of any changes in control or ownership of facilities to be constructed or modified, this Approval to Construct/Modify shall be binding on all subsequent owners and operators. The applicant shall notify the succeeding owner and operator of the existence of this Approval to Construct/Modify and its conditions by letter, a copy of which shall be forwarded to the Regional Administrator and the State and local Air Pollution Control Agency.

VII. Severability

The provisions of this Approval to Construct/Modify are severable, and, if any provisions of this Approval to Construct/Modify ~~is~~are held invalid, the remainder of this Approval to Construct/Modify shall not be affected thereby.

VIII. Other Applicable Regulations

The owner/operator of the proposed project shall construct and operate the proposed stationary source in compliance with all other applicable provisions of Parts 52, 60 and 61 and all other applicable Federal, State and local air quality regulations.

IX. Special Conditions

A. [Obsolete – Approval to Construct executed in a timely manner]

B. Air Pollution Control Equipment

The owner/operator shall install, continuously operate, and maintain the following air pollution controls to minimize emissions. Controls listed shall be fully operational upon startup of the proposed equipment.

1. Each gas turbine shall be equipped with steam injection for the control of NOx emissions.
2. Each gas turbine shall be equipped with a Selective Catalytic Reduction (SCR) system for the control of NOx emissions.

D. Operating Limitations

1. The gas turbines and Heat Recovery Steam Generator (HRG) burners shall be fired only on refinery fuel gas and natural gas
2. The firing rate of each gas turbine/HRG burner set shall not exceed 466 MMbtu/hr.
3. The total fuel firing rate of the Steam/Power Plant shall not exceed 1048 MMbtu/hr.
4. The owner/operator shall maintain records of the amount of fuel used in the gas turbines and the HRG Burners, hours of operation, sulfur content of the fuel, and the ratio of steam injected to fuel fired in each gas turbine, in a permanent form suitable for inspection. The record shall be retained for at least two years following the date of record and shall be made available to EPA upon request.

E. Emission Limits for NOx

On or after the date of startup, owner/operator shall not discharge from the gas turbine/HRG Burner sets NOx in excess of the more stringent of 83 lb/hr total or 25 ppmv at 15% O2 (3-hour

average), or 664 lb/day per set. The concentration limit shall not apply for 4 hours during startup or 2 hours during shutdown.

F. Emission Limits for SO2

On or after the date of startup, the owner/operator shall not discharge from the gas turbine/HRG Burner sets SO2 in excess of 15.6 lb/hr per set or 44 lb/hr total (3-hour average). Additionally, total SO2 emissions shall not exceed 34 lb/hr (3 hour average) for more than 36 days per year, and shall not exceed a total of 153 tons per year (365 days)

G. Continuous Emission Monitoring

1. Prior to the date of startup and thereafter, the owner/operator shall install, maintain and operate the following continuous monitoring systems downstream of each of the gas turbine/HRG Burner units:
   a. Continuous monitoring systems to measure stack gas NOx and SO2 concentrations. The systems shall meet EPA monitoring performance specifications (60.13 and 60, Appendix B, Performance Specifications). Alternatively, the SO2 continuous monitor may be substituted for by a continuous monitoring system measuring H2S in the ~~refinery~~ fuel gas system and daily sampling for total sulfur in the fuel gas.
   b. A system to calculate the stack gas volumetric flow rates continuously from actual process variables.

2. The owner/operator shall maintain a file of all measurements, including continuous monitoring system performance evaluations, all continuous monitoring system monitoring device calibration checks, adjustments and maintenance performed on these systems or devices, and all other information required by 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports and records.
3. The owner/operator shall submit a written report of SO2 emission status and all excess emissions to EPA (Attn: A3-3) for every calendar quarter. The report shall include the following:
   a. If fuel gas samples are used to determine SO2 emissions:
      (1) The total measured sulfur concentration in each fuel gas sample for the calendar quarter.
      (2) The daily average sulfur content in the fuel gas, daily average SO2 mass emission rate (lb/hr), and total tons per year of SO2 emitted for the last 365 consecutive days. Total SO2 emissions exceeding 34 lb/hr must be identified.
   b. The magnitude of excess emissions computed in accordance with 60.13(h), any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions.
   c. Specific identification of each period of excess emissions that occurs during startups, shutdowns and malfunctions of the cogeneration gas turbine system. The nature and cause of any malfunction (if known) and the corrective action taken or preventative measures adopted shall also be reported.
   d. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks, and the nature of the system repairs or adjustments.
   e. When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report.
   f. Excess emissions shall be defined as any three-hour period during which the average emissions of NOx and/or SO2 as measured by the continuous monitoring system and/or calculated from the daily average of the total sulfur in the fuel gas, exceeds the NOx

and/or SO2 maximum emission limits set for each of the pollutants in Conditions IX.E and IX.F. above

g. Excess emissions indicated by the CEM system shall be considered violations of the applicable emission limits for the purpose of this permit.

H. New Source Performance Standards

The proposed cogeneration facility is subject to the Federal regulations entitled Standards of Performance for New Stationary Sources (60). The owner/operator shall meet all applicable requirements of Subparts A and GG of this regulation.

X. Agency Notifications

All correspondence as required by this Approval to Construct/Modify shall be forwarded to:

A. Director, Air Management Division (Attn: A3-3)
EPA Region 9
215 Fremont Street
San Francisco, CA 94105 (415/974-8034)

B. Chief, Stationary Source Division
California Air Resources Board
P O Box 2815
Sacramento, CA 95812

C. Air Pollution Control Officer
Bay Area Air Quality Management District
375 Beale Street, Suite 600~~939 Ellis Street~~,
San Francisco, CA 9410~~59~~

CONDITION 19278

Conditions for S1002 and S1003 Sulfur Plant Unit 236 (S-1002) and 238 (S-1003)-Deleted, Shutdown in Rodeo Renewed Project, Application 31157 (2022) upon startup

~~1. Deleted Application 12433~~

~~2. Deleted Application 12433~~

~~3. An annual District-approved source test shall be performed to verify compliance with the requirements of Regulation 6-1-330. A copy of the source test results shall be provided to the District Director of Compliance and Enforcement within 45 days of the test.~~
~~[Basis: Regulation 6-1-330]~~

~~4. The Owner/Operator shall perform a visible emissions check on Sources S1002 and S1003 on a monthly basis. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the owner/operator shall have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures outlined in the CARB manual, "Visible Emissions Evaluation" for six (6) minutes within three (3) days and record the results of the reading. If the reading is in compliance with the Ringelmann 1.0 limit in BAAQMD Regulation 6-1-301, the reading shall be recorded and the owner/operator shall continue to perform a visible emissions check on a monthly basis. If the reading is not in compliance with the Ringelmann 1.0 limit in BAAQMD Regulation 6-1-301, the owner/operator shall take corrective action and report the violation in accordance with Standard Condition 1.F of the Title V permit. The certified smoke-reader shall continue to conduct the Method 9 or CARB Visible Emission Evaluation on a daily basis until the daily reading shows compliance with the applicable limit or until the equipment is shut down. Records of visible emissions checks and opacity readings made by a CARB-certified smoke reader shall be kept for a period of at least 5 years from date of entry and shall be made available to District staff upon request. [Basis: Regulations 6-1-301, 2-6-501, 2-6-503]~~

~~5. Within 90 days of issuance of the Major Facility review permit pursuant to Application 10994, the owner/operator shall perform source tests at the stacks of Tail Gas Incinerators A422 and A423 to determine compliance with BAAQMD Regulations 6-1-310 and 6-1-311 for filterable particulate using the existing single port. The owner/operator shall also utilize a District approved method to measure condensable particulate during annual particulate testing conducted under this part for a period of three years after issuance of the change of condition under application 27954. The APCO may administratively request that the owner/operator continue to perform annual condensable testing at the end of the three year period. The owner/operator shall submit a proposed source test protocol to the Source Test group at least 30 days before conducting the source test. Within 60 days of the source tests, the owner/operator shall submit the results of the source tests to the District. The owner/operator shall repeat the source tests on an annual basis. The District's Source Test Group will observe the initial test to determine if testing with a single port is acceptable for these stacks. If the Source Test Group finds that a single port is not acceptable, the District may reopen the permit to require installation of a second port at each stack. [2-6-503]~~

~~6. The owner/operator shall ensure that the throughput of molten sulfur at S-1002 and S-1003 does not exceed 106.3 long tons/day and 134.5 long tons/day, respectively. The owner/operator shall ensure that the throughput of molten sulfur at S-1002 and S-1003 combined does not exceed 201 long tons/day. The owner/operator shall ensure that the throughput of molten sulfur at S-1002 and S-1003 does not exceed 31,390 long tons/year and 41,975 long tons/year, respectively. The owner/operator shall record the throughput of molten sulfur on a monthly basis. [Basis: Cumulative Increase]~~

CONDITION 20773, TANKS EXEMPT FROM REGULATION 8, RULE 5

This condition applies to tanks that are exempt from Regulation 8, Rule 5, Storage of Organic Liquids, due to the exemption in Regulation 8-5-117 for storage of organic liquids with a true vapor pressure of less than or equal to 25.8 mm Hg (0.5 psia).

1. Whenever the type of organic liquid in the tank is changed, the owner/operator shall verify that the true vapor pressure at the storage temperature is less than or equal to 25.8 mm Hg (0.5 psia). The owner/operator shall use Lab Method 28 from Volume III of the District's Manual of Procedures, Determination of the Vapor Pressure of Organic Liquids from Storage Tanks. For materials listed in Table 1 of Regulation 8, Rule 5, the owner/operator may use Table 1 to determine vapor pressure, rather than Lab Method 28. If the results are above 25.8 mm Hg (0.5 psia), the owner/operator shall report non-compliance in accordance with Standard Condition I.F and shall submit an application to the District for a new permit to operate for the tank as quickly as possible.[Basis: 8-5-117 and 2-6-409.2]

2. The results of the testing shall be maintained in a District-approved log for at least five years from the date of the record, and shall be made available to District staff upon request. [Basis: 2-6-409.2]

New Permit Condition 27810 (for AC Issuance)

COND# 20989 ----------

FACILITY-WIDE REQUIREMENTS
CONDITION 20989

Amended by Application 31703 (2022), and Rodeo Renewed Project, Application 31157 (2022) – Delete exempt Sources S-110, S-111, S-112, S-113, S-114; shutdown S-29, S-30, S-351 upon startup.

A. THROUGHPUT LIMITS

The following limits are imposed through this permit in accordance with Regulation 2-1-234.3. Sources require BOTH hourly/daily and annual throughput limits (except for tanks and similar liquid storage sources, and small manually operated sources such as cold cleaners which require only annual limits). Sources with previously imposed hourly/daily AND annual throughput limits are not listed below; the applicable limits are given in the specific permit conditions listed above in this section of the permit. Also, where hourly/daily capacities are listed in Table II-A, these are considered enforceable limits for sources that have a New Source Review permit. Throughput limits imposed in this section and hourly/daily capacities listed in Table II-A are not federally enforceable for grandfathered sources. Grandfathered sources are indicated with an asterisk in the source number column in the following table. Refer to Title V Standard Condition J for clarification of these limits.

In the absence of specific recordkeeping requirements imposed as permit conditions, monthly throughput records shall be maintained for each source.

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
15	Table II-A	19.9 E 6 therm total at S15 through S19
16	Table II-A	19.9 E 6 therm total at S15 through S19
17	Table II-A	19.9 E 6 therm total at S15 through S19
18	Table II-A	19.9 E 6 therm total at S15 through S19
19	Table II-A	19.9 E 6 therm total at S15 through S19
20	Table II-A	1.9 E 6 therm
21	Table II-A	0.7 E 6 therm
22	Table II-A	2.6 E 6 therm
~~29~~	~~Table II-A~~	~~8.5 E 6 therm~~
~~30~~	~~Table II-A~~	~~4.2 E 6 therm~~
31	Table II-A	1.7 E 6 therm
43	Table II-A	19.1 E 6 therm
44	Table II-A	3.8 E 6 therm
*100	NA for tank	4.38 E 6 bbl
101	NA for tank	3.68 E 9 gal
102	NA for tank	3.68 E 9 gal
106	NA for tank	3.68 E 9 gal
*107	NA for tank	8.76 E 6 bbl
*110 superseded by Condition 27646 Part 22	~~NA for tank~~	~~1.40 E 7 bbl~~
*111 superseded by Condition 27646 Part 21	~~NA for tank~~	~~1.31 E 7 bbl~~
*112 superseded by Condition 27646 Part 21	~~NA for tank~~	~~1.49 E 7 bbl~~

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
*113 superseded by Condition 27646 Part 21	~~NA for tank~~	~~1.49 E 7 bbl~~
*114 superseded by Condition 27646 Part 22	~~NA for tank~~	~~1.31 E 7 bbl~~
*115	NA for tank	4.38 E 6 bbl
*125 superseded by Condition 27787	~~NA for tank~~	~~1.05 E 7 bbl~~
129	NA for tank	4.6 E 6 bbl
133	NA for tank	8.76 E 5 bbl
*134	NA for tank	1.31 E 7 bbl
150 superseded by Condition 27661	~~NA for tank~~	~~4.38 E 7 bbl~~
151	NA for tank	4.38 E 7 bbl
*177	NA for tank	2.63 E 7 bbl
178	NA for tank	3.50 E 7 bbl
183	NA for tank	4.38 E 5 bbl
184	NA for tank	4.38 E 6 bbl
*194	NA for tank	100 bbl
195 Superseded by Condition 27653	~~NA for tank~~	~~525,600 bbl~~
*216	NA for tank	4.6 E 6 bbl
*239	NA for tank	8.76 E 6 bbl
*254 superseded by Condition 27657	~~NA for tank~~	~~7.01 E 7 bbl~~
*255	NA for tank	7.01 E 7 bbl
*256 superseded by Condition 27657	~~NA for tank~~	~~7.01 E 7 bbl~~
*257 superseded by Condition 27657	~~NA for tank~~	~~7.01 E 7 bbl~~
*258	NA for tank	7.01 E 7 bbl
*259	NA for tank	7.01 E 7 bbl
294	20 gpm	400,000 gallons
305	28,000 bbl/day	10.22 E 6 bbl
306	Table II-A	7.67E6 bbl
*319	Table II-A	3.51 E 6 bbl
324	Table II-A	3.68 E 9 gallons
336	Table II-A	9.2 E 6 therm
337	Table II-A	2.8 E 6 therm
*338 superseded by Condition 27657	~~Table II-A~~	~~6.6 E 10 ft3~~
343	NA for tank	4.38 E 7 bbl
~~351~~	~~Table II-A~~	~~8.4 E 6 therm~~

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
360 superseded by 27646, Part 22		
370	Condition 12121	4.03 E6 bbl
371	Table II-A	4.8 E6 therm for S371/S372
372	Table II-A	4.8 E6 therm for S371/S372
380	0.45 ton/hr	3,942 ton
381	420,000 gal/hr	3.68 E 9 gal
382	420,000 gal/hr	3.68 E 9 gal
383	420,000 gal/hr	3.68 E 9 gal
384	420,000 gal/hr	3.68 E 9 gal
385	Table II-A	3.68 E 9 gal
386	3600 gal/hr	3.2 E 7 gal
387	Table II-A	13.14 E 6 gal
390	N/A for tank	7.884 E 6 gal
392	N/A for tank	7.884 E 6 gal
400	N/A for sump	3.68 E 9 gal
401	N/A for sump	3.68 E 9 gal
435	Table II-A	6.6 E 6 bbl
436	Table II-A	4.7 E 6 bbl
437	Table II-A	10.4E 9 ft3
462	Table II-A	1.533 E 9 ft3
463	Table II-A	365,000 bbl
1007	Table II-A	3.68 E 9 gal

(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-1-403 Permit Conditions)

B. OTHER REQUIREMENTS

1. The owner/operator shall notify the District in writing by fax or email no less than three calendar days in advance of any scheduled startup or shutdown of any process unit, and, for any unscheduled startup or shutdown of a process unit, within 48 hours or within the next normal business day. The notification shall be sent in writing by fax or email to the Director of Enforcement and Compliance. This requirement is not federally enforceable. [Regulation 2-1-403]

Condition no. 21097

APPLICATION 5814, CONOCOPHILLIPS REFINERY; PLANT 16
CONDITIONS FOR S36 HEATER

Shutdown in Rodeo Renewed Project, Application 31157 (2022) upon startup

~~1. The owner/operator of the S36 heater shall fire only refinery fuel gas or natural gas at this unit. [BACT, Cumulative Increase]~~

~~2. Based on refinery gas HHV, the owner/operator of S36 shall not exceed the following firing rates:~~

~~a. 82.1 million BTU/hr~~

~~b. 719,200 million BTU in any consecutive 12 month period.~~

~~.[Cumulative Increase]~~

~~3. .~~

~~a. The owner/operator of S36 shall abate emissions from S36 at the A36 SCR system whenever S36 is operated, except that S36 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District -approved NOx CEM shall monitor and record the S36 NOx emission rate whenever S36 operates without abatement. All emission limits applicable to S36 shall remain in effect even if it is operated without SCR abatement. [BACT, Cumulative Increase]~~

~~b. The owner/operator of S36 shall not exceed the following emission rates from S36/A36 except during startups and shutdowns. Startups and shutdowns shall not exceed 24 consecutive hours. The 24 consecutive hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 72 consecutive hours.~~

~~.NOx 10 ppmv @ 3% oxygen (3 hr average) [BACT, Cumulative Increase]~~

~~.CO 28 ppmv @ 3% oxygen (8 hr average) [BACT, Cumulative Increase]~~

~~.POC 5.5 lb/MM ft3 [Cumulative Increase]~~

~~.PM10 7.6lb/MM ft3 [Cumulative Increase]~~

~~c. *The owner/operator of S36 shall not exceed the following emission rate from S36/A36 except during startups and shutdowns. Startups and shutdowns shall not exceed 24 consecutive hours. The 24 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 72 consecutive hours.~~

~~Ammonia 10 ppmv @ 3% oxygen (8 hr average) [Toxic Management]~~

~~4. The owner/operator shall equip S36 with a District approved continuous fuel flow monitor and recorder in order to determine fuel consumption. A parametric monitor as defined in Regulation 1-238 is not acceptable. The owner/operator shall keep continuous fuel flow records for at least five years and shall make these records available to the District upon request. [Cumulative Increase]~~

~~5. .~~

~~a. The owner/operator shall install, calibrate, maintain, and operate a District-approved continuous~~

~~emission monitor and recorder for NOx and O2. The owner/operator shall keep NOx and O2 data for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]~~

~~b. Following the initial source test required in Part 8, the owner/operator shall monitor compliance with the CO emission rate limit in Part 3b with a District approved semi-annual source test, with at least one source test per year deemed by the District to be representative of normal operation. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. The time interval between source tests shall not exceed 8 months. CO source tests performed by the District may be substituted for semi-annual CO source tests. If two or more CO source tests, over any consecutive five year period, indicate a CO emission rate of 200 ppmv @ 3% O2 or higher, the owner/operator shall install and operate a District-approved continuous CO monitor/recorder within the time period specified in the District Manual of Procedures. [BACT, Cumulative Increase]~~

~~6. The owner/operator shall use only refinery fuel gas at S36 which does not exceed the following limits:~~

~~a. 100 ppmv totaled reduced sulfur (TRS), averaged over a calendar day~~

~~b. 45 ppmv TRS, averaged over any rolling consecutive 365 day period.~~

~~.[BACT, Cumulative Increase]~~

~~7. .~~

~~a. The owner/operator shall test refinery fuel gas prior to combustion at S36 to determine total reduced sulfur (TRS) concentration by GC analysis at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide.~~

~~1) As an alternative to GC TRS analysis, the fuel gas total sulfur content may be measured with a dedicated total sulfur analyzer (Houston Atlas or equivalent). For the purposes of the daily limit, the owner/operator will presume that the results are TRS, unless the sample is analyzed for TRS by GC analysis. At least one sample per week shall be analyzed using a GC. The~~

~~owner/operator shall use the results of the samples that have been analyzed by GC analysis for the purposes of the annual limit.~~

~~b. To demonstrate compliance with Part 6, the owner/operator shall measure and record the 24-hour average TRS content and the 365-day average TRS content of the refinery fuel gas fired in S36, unless required to operate a District-approved continuous monitor/recorder by Part 7a. The owner/operator shall keep TRS records, whether they are the results of GC analysis or continuous analyzer data, for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]~~

~~c. For the purpose of demonstrating compliance with the H2S limit in 40 CFR 60.104(a)(1), the owner/operator shall test refinery fuel gas prior to combustion at S36 to determine total H2S concentration at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. Records of H2S monitoring shall be kept for at least five years after the date the record was made. The owner/operator shall submit a semi-annual report regarding this monitoring to the District and to EPA. The reporting periods shall start on January 1st and July 1st of each year. The reports shall be submitted by January 31st and July 31st of each year. If the limit has not been exceeded during the reporting period, this information shall be stated in the report. If the limit has been exceeded, the owner/operator shall report the date and time that the exceedance began and the date and time that the exceedance ended. The owner operator shall estimate and report the excess emissions during the exceedance. [40 CFR 60.13(i)]~~

~~8. Deleted Application 11626.~~

~~9. Deleted Application 11626.~~

~~10. The owner/operator shall record the duration of all startups, shutdowns, and heater dryout/warmup periods to determine compliance with parts 3b and 3c. The owner/operator shall keep the records for at least five years and shall make these records available to the District upon request. [2-6-503]~~

Condition no. 21099

APPLICATION 5814; CONOCOPHILLIPS REFINERY; PLANT 16
CONDITIONS FOR ULSD PROJECT FUGITIVE COMPONENTS (S-460, S-304, S-462 and S-463 combined)

1. The owner/operator shall equip all light hydrocarbon control valves installed as part of the USLD Project with live loaded packing systems and polished stems, or equivalent. [BACT]

2. The owner/operator shall equip all flanges/connectors installed in the light hydrocarbon piping systems as part of the USLD Project with graphitic-based gaskets unless the service requirements prevent this material. [BACT]

3. The owner/operator shall equip all new hydrocarbon centrifugal compressors installed as part of the USLD Project with "wet" dual mechanical seals with a heavy liquid barrier fluid, or dual dry gas mechanical seals buffered with inert gas. [BACT]

4. The owner/operator shall equip all new light hydrocarbon centrifugal pumps installed as part of the USLD Project with a seal-less design or with dual mechanical seals with a heavy liquid barrier fluid, or equivalent. [BACT]

5. The owner/operator shall integrate all new fugitive equipment installed as part of the USLD Project, in organic service, into the facility fugitive equipment monitoring and repair program. [BACT]

6. The Owner/Operator shall submit a count of installed pumps, compressors, valves, and flanges/connectors every 180 days until completion of the project. For flanges/connectors, the owner/operator shall also provide a count of the number of graphitic-based and non-graphitic gaskets used. The owner/operator of S-460, S-304, S-462 and S-463 ~~has~~ have been permitted to install fugitive components (5,410 valves, 2,376 flanges, 3,564 connectors, 26 pumps, 14 compressors) with a total POC emission rate of 8.62 ton/yr. If there is an increase in the total fugitive component emissions, the plant's cumulative emissions for the project shall be adjusted to reflect the difference between emissions based on predicted versus actual component counts. The owner/operator shall provide to the District all additional required offsets at an offset ratio of 1.15:1 no later than 14 days after the submittal of the final POC fugitive equipment count. If the actual component count is less than the predicted, at the completion of the project, the total

will be adjusted accordingly and all emission offsets applied by the owner/operator in excess of the actual total fugitive emissions will be credited back to owner/operator prior to issuance of the permits. [BACT, Cumulative Increase, Toxic Management]

New Permit Condition 27811 (for AC Issuance)

COND# 21235 ----------

This condition was amended by Applications 13424 in October 2007, 14602 in May 2008, 22904 in March 2013, ~~and~~ 21848 in September 2014, and 31157 in 2022~~.~~
Regulation 9-10 Refinery-Wide Compliance
CONDITIONS FOR SOURCES S2, S3, S4, S5, S7, S9, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, S20, S22, ~~S29, S30,~~ S31, S43, S44, S336, S337, ~~S351,~~ S371, S372.

1. The following sources are subject to the refinery-wide NOx emission rate and CO concentration limits in Regulation 9-10: [Regulation 9-10-301 and 305]

S#	Description	NOx CEM
2	U229, B-301 Heater	No
3	U230, B-201 Heater	Yes
4	U231, B-101 Heater	Yes
5	U231, B-102 Heater	Yes
7	U231, B-103 Heater	Yes
9	U240, B-2 Boiler	Yes
10	U240, B-101 Heater	Yes
11	U240, B-201 Heater	Yes
12	U240, B-202 Heater	Yes
13	U240, B-301 Heater	Yes
15	U244, B-501 Heater	Yes
16	U244, B-502 Heater	Yes
17	U244, B-503 Heater	Yes
18	U244, B-504 Heater	Yes
19	U244, B-505 Heater	Yes
20	U244, B-506 Heater	No
22	U248, B-606 Heater	No
~~29~~	~~U200, B-5 Heater~~	~~Yes~~ shutdown per AN-31157 upon startup
~~30~~	~~U200, B-101 Heater~~	~~Yes~~ shutdown per AN 31157 upon startup
31	U200, B-501 Heater	No
43	U200, B-202 Heater	Yes
44	U200, B-201 PCT Reboil Furnace	Yes
336	U231 B-104 Heater	Yes
337	U231 B-105 Heater	Yes
~~351~~	~~U267 B-601/602 Tower Pre-Heaters~~	~~Yes~~ shutdown per AN-31157 upon startup
371	U228 B-520 (Adsorber Feed) Furnace	Yes
372	U228 B-521 (Hydrogen Plant) Furnace	Yes

2. The owner/operator of each source listed in Part 1 shall properly install, properly maintain, and properly operate an O2 monitor and recorder. [Regulation 9-10-502]
3. The owner/operator shall operate each source listed in Part 1, that does not have a NOx CEM within specified ranges of operating conditions (firing rate and oxygen content) as detailed in Part 5. The ranges shall be established by utilizing data from district approved source tests.
   a. The NOx Box for units with a maximum firing rate of 25 MMBtu/hr or more shall be established using the procedures in Part 4.
   b. The NOx Box for units with a maximum firing rate less than 25 MMBtu/hr shall be established as follows: High fire shall be the maximum rated capacity. Low fire shall be 20% of the maximum rated capacity. There shall be no maximum or minimum O2. [Regulation 9-10-502]
4. The owner/operator shall establish the initial NOx box for each source subject to Part 3. The NOx Box may consist of two operating ranges in order to allow for operating flexibility and to encourage emission minimization during standard operation. The procedure for establishing the NOx box is as follows:
   a. Conduct district approved source tests for NOx and CO, while varying the oxygen concentration and firing rate over the desired operating ranges for the furnace;
   b. Determine the minimum and maximum oxygen concentrations and firing rates for the desired operating ranges (Note that the minimum O2 at low fire may be different than the minimum O2 at high fire. The same is true for the maximum O2). The owner/operator shall also verify the accuracy of the O2 monitor on an annual basis
   c. Determine the highest NOx emission factor (lb/Mmbtu) over the preferred operating ranges while maintaining CO concentration below 200 ppm; the owner/operator may choose to use a higher NOx emission factor than tested.
   d. Plot the points representing the desired operating ranges on a graph. The resulting polygon(s) is the NOx Box, which represents the allowable operating range(s) for the furnace under which the NOx emission factor from part 5a is deemed to be valid.
      1) The NOx Box can represent/utilize either one or two emission factors.
      2) The NOx Box for each emission factor can be represented either as a 4 or 5-sided polygon.

The NOx box is the area within the 4 or 5-sided polygon formed by connecting the source test based parameters that lie about the perimeter of successful approved source tests. The source test parameters forming the corners of the NOx box are listed in Part 5.

e. Upon establishment of each NOx Box, the owner/operator shall prepare a graphical representation of the box. The representation shall be made available on site for APCO review upon request. The box shall also be submitted to the BAAQMD with permit amendments.

5. Except as provided in Part 5b and 5c, the owner/operator shall operate each source within the NOx box ranges listed below at all times of operation. This part shall not apply to any source which has a properly operated and properly installed NOx CEM.

a. NOx Box ranges

2/0.031/N/A, 4.4/N/A, 4.4/N/A, 22/N/A/N/A, 22

~~11/0.058/1.3, 21.6/1.3, 98.8/2.5, 104/3.0, 95.2/ 3.0, 21.6~~. Deleted S-11 now has NOx CEM.

~~11/0.062/3.0, 21.6/3.0, 95.2/5.6, 89/5.0, 21.6/ N/A~~

~~12/0.024/1.6, 8.4/1.6, 21/2.2, 31/3, 31/3.0, 8.4~~. Deleted S-12 now has NOx CEM.

~~12/0.0334/3.0, 8.4/3, 31/5.0, 31/6, 30/6, 8.4~~

20/0.036/N/A, 4.6/N/A, 4.6/N/A, 23/N/A/N/A, 23

22/0.036/2.1, 6.2/2.1, 24/4.4, 24/4.7, 21/4.7, 6.2

22/0.050/4.7, 6.2/4.7, 21/10, 20.3/10, 6.2/N/A.

31/0.055/N/A, 4/N/A, 4/N/A, 20/N/A/N/A, 20

The limits listed above are based on a calendar day averaging period for both firing rate and O2%.

b. Part 5a does not apply during:

1) startup or shutdown periods,

2) periods of curtailed operation (i.e. firing rate less than or equal to 30% of unit's rated capacity as defined in 9-10-22), or

3) to units temporary out of service. During these conditions the means for determining compliance with the refinery wide limit shall be accomplished using the method described in 9-10-301.4 and 301.5.

c. Part 5a does not apply during any source test

required or permitted by this condition. (Reg. 9-10-502). See Part 7 for the consequences of source test results that exceed the emission factors in Part 5.

6.

a. The owner/operator may deviate from the NOx Box (either the firing rate or oxygen limit) provided that the owner/operator conducts a district approved source test which replicates the past operation outside of the established ranges. The source test representing the new conditions shall be conducted no later than the next regularly scheduled source test period, or within eight months, whichever is sooner. The source test results will establish whether the source was operating outside of the emission factor utilized for the source. The source test results shall be submitted to the district source test manager within 60 days of the test. As necessary, a permit amendment shall be submitted.

1) Source Test <= Emission Factor
If the results of this source test do not exceed the higher NOx emission factor in Part 5, or the CO limit in Part 9, the unit will not be considered to be in violation during this period for operating out of the "box." The facility may submit an accelerated permit program permit application to request an administrative change of the permit condition to adjust the NOx Box operating range(s), based on the new test data. The change will be considered to be an administrative change for the purpose of the District permit and a minor revision for the purpose of the Major Facility Review permit.

2) Source Test > Emission Factor
If the results of this source test exceed the permitted emission concentrations or emission rates then, utilizing measured emission concentration or rate, the owner/operator shall apply the higher emission factor retroactively to the date of the previous source test and provide sufficient NOx IERCs for that time period to ensure the facility is in compliance with the refinery wide limit specified in Regulation 9-10-301. The owner/operator will be in violation of Regulation 9-10-301 for each day there are insufficient NOx IERCs provided to bring the refinery wide average into compliance with Regulation 9-10-301. The facility may submit a

permit application to request an alteration of the permit condition to change the NOx emission factor and/or adjust the operating range, based on the new test data.

b. The owner/operator must report conditions outside of box within 96 hours of occurrence.

7. For each source subject to Part 3, the owner/operator shall conduct source tests at the schedule listed below. The source tests are performed in order to measure NOx, CO, and O2 at the as-found firing rate, or at conditions reasonably specified by the APCO. The source test results shall be submitted to the District Source Test Manager within 60 days of the test. [Regulation 9-10-502]

   a. Source Testing Schedule

      1) Heater < 25 MMBtu/hr: One source test per consecutive 12 month period. The time interval between source tests shall not exceed 16 months.

      2) Heaters = 25 MMBtu/hr: Two source tests per consecutive 12 month period. The time interval between source tests shall not exceed 8 months and not be less than 5 months apart. The source test results shall be submitted to the district source test manager within 60 days of the test. [Regulation 9-10-502]

   b. If the results of any source test under this part exceed the permitted concentrations or emission rates, the owner/operator shall follow the requirements of Part 6a(ii). If the owner/operator chooses not to submit an application to revise the emission factor, the owner/operator shall conduct another Part 7 source test, at the same conditions, within 90 days of the initial test.

8. For each source listed in Part 1 with a NOx CEM installed, the owner/operator shall conduct semiannual district approved CO source tests at as-found conditions. The time interval between source tests shall not exceed 8 months. District conducted CO emission tests associated with District conducted NOx CEM field accuracy tests may be substituted for the CO semiannual source tests.

9. For any source listed in Part 1 for which any two source test results over any consecutive five year period are greater than or equal to 200 ppmv CO at 3% O2, the owner/operator shall properly install, properly maintain, and properly operate a CEM to continuously measure CO and O2. The owner/operator shall install the CEM within the time period allowed in the District's Manual of Procedures. [Regulation 9-10-502, 1-522]

10. In addition to records required by 9-10-502, the facility must maintain records of all source tests conducted to demonstrate compliance with Parts 1 and 5. These records shall be kept on site for at least five years from the date of entry in a District approved log and be made available to District staff upon request. [Recordkeeping, Regulation 9-10-504]
11. *The sources listed in Part 1 of this condition make up the group of sources that are operating under an Alternative Compliance Plan (ACP). The owner/operator shall demonstrate compliance with their ACP and with Regulation 9-10-301 by keeping a spreadsheet of the ACP calculations in a District approved format. [basis: Regulation 2-9-303, 9-10-301]

Conditions for use of IERCs for compliance with Regulation 9-10-301:

12. *The owner/operator shall submit quarterly reports to the APCO, within 30 days following the end of each calendar quarter, or other 3 month interval established in the plan. Each quarterly report shall include:
    a. Summary of the amount of IERC's used during the previous quarter;
    b. Sum of all IERC's used during the current ACP period;
    c. A projection of the IERC's that are needed for the entire ACP period based on the IERC usage rates calculated in Parts 12a and 12b of this condition, including the Environmental Benefit Surcharge, per Regulation 2-9-309, and
    d. Certification that the facility possesses IERC's equal to the amount projected in Part 12c of this condition or a description of how the facility will adjust its operation so that the amount of IERC's does not exceed the amount of IERC's possessed by the facility.

    [basis: Regulation 2-9-502.3]
13. *The owner/operator shall submit an annual reconciliation report to the APCO within 30 days of following the end of the ACP period, and surrender the banking certificate(s) for all IERC's used during the ACP period, including the environmental benefit surcharge, per Regulation 2-9-309. [basis: Regulation 2-9-502.4]
14. *The ACP must be reviewed and approved by the APCO on an annual basis. The owner/operator shall submit all necessary documents mentioned in Regulation 2-9-303 with ACP renewal request. [basis: Regulation 2-9-303]
15. *The owner/operator shall retain records for five years

from the date the record was made, and shall submit such information as required by the APCO to determine compliance with the ACP. [basis: Regulation 2-9-502.2]

New Permit Condition 27812 (for AC Issuance)

CONDITION 22121

For Sources S452, S453, S455, S457, S458, S500, Cooling Towers (Applications 10349, 14112, 17465, ~~and~~ 27798), Amended by Application 31157 - Condition 27646, part 1 is for S452, S457, and S458. New Condition 27660 was created for S-453 and S-455.

1. Deleted.
2. Deleted.
3. Deleted.
4. The owner/operator shall sample the cooling tower water at each cooling tower at least once per month and subject the sample to a District approved laboratory analysis to determine its total dissolved solids content. [Regulations 2-6-503, Regulation 3]
5. Deleted.
6. Deleted.
7. The owner/operator shall use the total dissolved solids monitoring to estimate annual emissions of particulate from the cooling towers. The estimated annual emissions shall be reported to the Engineering Divisions by June 30th of each year as part of the annual update. The owner/operator shall use this estimate to confirm that S452 or S500 has each not emitted more than 5 tons particulate per year. [Regulations 2-1-319.1, 3]
8. The owner/operator shall maintain the following records for five years from the date of record:
   a. Deleted.
   b. Deleted.
   c. Deleted
   d. Records of monthly determination of total dissolved solids
   e. Deleted.
   f. Deleted.

   [Regulation 2-6-501]

CONDITION 22122

For Source S456, Cooling Tower (Application 10349)

1. Deleted.
2. The owner/operator shall sample the cooling tower water at least once per month and subject the sample to a District approved laboratory analysis to determine its total dissolved solids content. [basis: Regulations 2-6-503, 3]
3. Deleted.
4. Deleted.
5. Deleted.
6. The owner/operator shall use the total dissolved solids monitoring to estimate annual emissions of particulate from the cooling tower. The estimated annual emissions shall be reported to the Engineering Divisions by June 30th of each year as part of the annul update. The owner/operator shall use this estimate to confirm that the cooling tower has not emitted more than 5 tons particulate per year. [Regulation 2-6-501, 3]
7. The owner/operator shall maintain the following records for five years from the date of record:
   a. Deleted.
   b. Records of monthly determination of total dissolved solids
   c. Deleted.

d. Deleted.
(Regulation 2-6-501)

New Permit Condition 27813 (for Startup Issuance)

CONDITION 22478
For Sources S123 (Tank 168), S124 (Tank 169), S186 (Tank 298), and S334 (Tank 107)
Amended by Rodeo Renewed Project, Application 31157 (2022) upon startup

1. The owner/operator shall ensure that S123 contains only water and ~~petroleum~~ organic liquid with a true vapor pressure less than or equal to 3.0 psia. [Cumulative Increase]
2. The owner/operator shall ensure that S124 contains only water and ~~petroleum~~ organic liquid with a true vapor pressure less than or equal to 11.0 psia. [Cumulative Increase]
3. The owner/operator shall ensure that the emissions of S186 do not exceed 2,231 lb VOC in any consecutive 12-month period. S186 shall only contain ~~petroleum~~ organic liquids. [Cumulative Increase]
4. ~~The owner/operator shall ensure that S334 contains only crude oil, or a petroleum liquid with a true vapor pressure less than or equal to 3.0 psia. [BACT, Cumulative Increase]~~Deleted. S-334 will be~~is~~ exempt per Rodeo Renewed Project, Application 31157
5. The owner/operator shall ensure that the throughput of ~~petroleum~~ organic liquids at S123 does not exceed 3,000,000 barrels/yr. [Cumulative Increase]
6. The owner/operator shall ensure that the throughput of ~~petroleum~~ organic liquids at S124 does not exceed 3,000,000 barrels/yr. [Cumulative Increase]
7. Deleted. S-334 will be exempt per Rodeo Renewed Project, Application 31157~~T The owner/operator shall ensure that the throughput of crude oil or other petroleum liquids at S334 does not exceed 10,000,000 barrels/any consecutive 12-month period. [Cumulative Increase]~~

8a. The owner/operator shall equip S123, S124, and S186 with a BAAQMD approved roof with mechanical shoe primary seal and zero gap secondary seal meeting the design criteria of BAAQMD Regulation 8, Rule 5. The owner/operator shall ensure that there are no ungasketed roof penetrations, no slotted pipe guide poles unless equipped with float and wiper seals, and no adjustable roof legs unless fitted with vapor seal boots or equivalent. [BACT, cumulative increase]

8b. The owner/operator shall operate S334 with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. The owner/operator shall equip S334 with a BAAQMD approved roof with liquid mounted primary seal that meets the design criteria of BAAQMD Regulation 8-5-321.3 and secondary seal that meets the design criteria of BAAQMD Regulation 8-5-322.5. The owner/operator shall ensure that there are no ungasketed roof penetrations, no slotted pipe guide poles unless equipped with float and wiper seals, and no adjustable roof legs unless fitted with vapor seal boots or equivalent. [BACT, cumulative increase]

9. The owner/operator shall calculate the emissions of S186 on a calendar month basis using the AP-42 equations. The owner/operator shall use actual throughputs, actual vapor pressures, and actual temperature data for each month. The owner/operator shall calculate the emissions for the last 12-month period on a monthly basis. The calculations shall be complete within a calendar month after the end of each monthly period. [Cumulative increase]

New Permit Condition 27814 (for Startup Phase In Issuance)

Condition no. 22518

For Sources S135 (Tank 200), S137 (Tank 202), Fixed Roof Tanks. S-135 and S-137 will be exempt after the Rodeo Renewed Project start up and will be phased in, Application 31157 (2022)

~~1. The owner/operator shall ensure that S135 contains only petroleum liquid with a true vapor pressure less than or equal to 11 psia. [Cumulative Increase]~~

~~2. The owner/operator shall ensure that S137 contains only petroleum liquid with a true vapor pressure less than or equal to 11 psia. [Cumulative Increase]~~

~~3. The owner/operator shall ensure that the throughput of petroleum liquids at S135 and S137 does not exceed 10,000,000 barrels/yr at each tank. [Cumulative Increase]~~

~~4~~1. The owner/operator shall ensure that S135 and S137 are controlled at all times by A7, Vapor Recovery System, with at least 98% abatement of POC and/or NPOC emissions by weight.

[Basis: Cumulative Increase, Regulation 1-107]

~~5. The owner/operator shall not clean S135 and S137 when switching from one petroleum fluid to another. [Cumulative Increase]~~

CONDITION 22549

Source 318, U76 Gasoline/Mid Barrel Blending Unit

1. The owner/operator shall ensure that the daily throughput of petroleum liquids, excluding diesel, at S318, U76 Gasoline/Mid Barrel Blending Unit, does not exceed 113,150 barrels/day. No daily limit is placed on diesel. [Cumulative Increase]

2. The owner/operator shall ensure that the throughput of petroleum liquids excluding diesel at S318 does not exceed 41,300,000 barrels/yr. [Cumulative increase]

3. The owner/operator shall keep daily records of throughput of all petroleum fluids at S318, U76 Gasoline/Mid Barrel Blending Unit, in a District-approved log. These records shall be kept for at least five years and shall be made available to the District upon request. [Cumulative Increase]

4. All pressure relief devices on the process unit shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98%. [8-28-302, BACT]

COND# 22951 for S-294 non-retail gasoline dispensing facility ----------

Permit Conditions for Healy EVR Phase II System w/o

ISD per CARB E.O. VR-201. Amended by Rodeo Renewed Project to add basis, Application 31157 (2022)

1) The Healy EVR Phase II Vapor Recovery System without ISD, including all associated underground plumbing, shall be installed, operated, and maintained in accordance with the most recent revision of the California Air Resources Board (CARB) Executive Order VR-201. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.
[basis: CARB Executive Order VR-201, Section 41954(f)]

2) The owner/operator of the facility shall maintain records in accordance with the following requirements. Records shall be maintained on site and made available for inspection for a period of 24 months from the date the record is made.

a) Monthly throughput of gasoline pumped, summarized on an annual basis

b) All scheduled maintenance activities required under E.O. VR-201, Exhibit 2, Figure 2B-11
[basis: Regulation 2-1-403; Regulation 2-2-208 Cumulative Increase, CARB Executive Order VR-201, Section 41954(f)]

3) All applicable components shall be maintained to be leak free and vapor tight. Leak Free, as per BAAQMD (District) Regulation 8-7-203, is a liquid leak of no greater than three drops per minute. Vapor Tight as defined in District Manual of Procedures, Volume IV, ST-30.
[basis: Regulation 8-7-203]

4) The Healy EVR Phase II system shall be capable of demonstrating on-going compliance with the vapor integrity requirements of CARB Executive Order VR-201. The owner or operator shall conduct and pass the following tests at least once in each 12-month period following successful completion of start-up testing. Tests shall be conducted using the referenced test methods:

a) Vapor-to-Liquid Test in accordance with E.O. VR-201, Exhibit 5. The vapor-to-liquid ratio shall be between 0.95 and 1.15 when measured at dispensing rates between 6 and 10 gallons per minute.

b) Healy Clean Air Separator Static Pressure Performance test in accordance with E.O. VR-201, Ex. 4.

c) Static Pressure Performance Test, in accordance with CARB Test Procedure TP-201.3 (3/17/99). If the tank size is 500 gallons or less, the test shall be performed on an empty tank.

[basis: Regulation 2-1-403, CARB Executive Order VR-201, Section 41954(f

5) The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within ~~fifteen~~ thirty (~~15~~30) days of testing. Start-up tests results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087) ~~or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco CA 94109).~~

[basis: Regulation 2-1-403]

6) The maximum length of the coaxial hose assembly, including breakaway, swivels, and whip hoses, shall be twenty (20) feet. The maximum allowable length of hose which may be in contact with the top of the island block or the ground shall be six (6) inches.

[basis: Regulation 2-1-403, CARB Executive Order VR-201, Section 41954(f)]

7) The dispensing rate shall not exceed ten (10.0) gallons per minute (gpm), nor be less than six (6.0) gpm with the trigger at the highest setting. Compliance with this condition shall be verified with only one nozzle in operation per product supply pump.

[basis: Regulation 2-1-403]

8) All ball valves shall be positioned for normal operation as shown in E.O. VR-201, Ex. 2, Figs. 2B-5 through 2B-9 except when necessary for testing and maintenance.

[basis: Regulation 2-1-403, CARB Executive Order VR-201, Section 41954(f)]

9) The Healy EVR Phase II Vapor Recovery System

without ISD shall be maintained in accordance with the System Operating Manual approved by CARB.
[basis: Regulation 2-1-403, CARB Executive Order VR-201, Section 41954(f)]

10) No dispensing shall be allowed when a vapor collection pump is disabled for maintenance or for any other reason. Only those nozzles affected by the disabled vapor collection pump are subject to this condition.
[basis: Regulation 2-1-403, CARB Executive Order VR-201, Section 41954(f)]

11) Permanent access to vacuum assist equipment shall be provided for the purpose of inspection and/or testing.
[basis: Regulation 2-1-403]

12) The Healy EVR Phase II Vapor Recovery System without ISD shall be retrofitted with ISD controls as required by CARB.
[basis: Regulation 2-1-403, CARB Executive Order VR-201, Section 41954(f)]

New Permit Condition 27815 (for AC Issuance)

COND# 22962 ----------

This condition was amended by Application 13424 in October, 2007, Application 25621 in April, 2014, Application 27798 in 2018, Application 31157 in 2022.

Source 45, U246 B-801 A/B Heater

1. The owner/operator of the S45 heater shall fire only ~~refinery~~ fuel gas and/or natural gas at this unit. [BACT, Cumulative Increase]

2. Based on ~~refinery~~ fuel gas HHV, the owner/operator of S45 shall not exceed the following firing rates:
   a. 85 MMbtu/hr
   b. 744,600 MMbtu in any consecutive 12-month period.
   [Cumulative Increase]

3. The owner/operator of S45 shall abate emissions from S45 at the A47 SCR system whenever S45 is operated, except that S45 may operate without SCR abatement on a temporary basis for periods of standby and planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S45 NOx emission rate whenever S45 operates without abatement. All emission limits applicable to S45 shall remain in effect even if it is operated without SCR abatement. [BACT, Cumulative

Increase]

4. The owner/operator of S45 shall not exceed the following emission concentrations or rates from S45/A47 except during startups, shutdowns, and standby mode (SCR temperature below 475 deg. F along with no fresh process feed). Startups and shutdowns shall not exceed 48 consecutive hours. The 48 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 24 consecutive hours.
   a. NOx: 5 ppmv @ 3% oxygen (3 hr average) [BACT, Cumulative Increase]
   b. CO: 28 ppmv @ 3% oxygen (3 hr average) when operating under 30 MMbtu/hr [BACT, Cumulative Increase, 40 CFR 63.52(a)]
   c. POC: 5.5 lb/MM ft3 [Cumulative Increase]
   d. PM10: 7.6 lb/MM ft3 [BACT, Cumulative Increase]
   e. CO: 10 ppmv @ 3% oxygen (3 hr average) when operating over 30 MMbtu/hr [BACT, Cumulative Increase, 40 CFR 63.52(a)]

   If the heater operates at rates below and above 30 MMbtu/hr in any 3-hour period, the CO limit shall be a weighted average.

5. *The owner/operator of S45 shall not exceed the following emission rate from S45/A47 except during startups and shutdowns and standby mode (SCR temperature below 475 deg. F along with no fresh process feed). Startups and shutdowns shall not exceed 48 consecutive hours. The 48 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 24 consecutive hours.
   Ammonia: 15 ppmv @ 3% oxygen (8 hr average) [Regulation 2, Rule 5]

6. The owner/operator of S45 shall not exceed the following annual emission rates from S45/A47 including startups, shutdowns, standby mode, and malfunctions.
   a. NOx: 2.3 tons/yr [BACT, Cumulative Increase]
   b. CO: 2.8 tons/yr [BACT, Cumulative Increase]
   c. POC: 1.5 tons/yr [Cumulative Increase]
   d. PM10: 1.9 tons/yr [BACT, Cumulative Increase]
   e. SO2: 4.7 tons/yr [BACT, Cumulative Increase]

   The owner/operator shall calculate emissions from S45 using NOx CEM data and District approved emission factors.

   Year is defined as every consecutive 12-month period. Month is defined as calendar month.

The owner/operator shall submit the basis for the CO emission factor(s) for each operating mode (startup, shutdown, standby dryout/warmup periods) to the Director of the District's Engineering Division no later than 60 days after the measurements were taken as required by Part 9a of this condition.

7. The owner/operator shall equip S45 with a District-approved continuous fuel flow monitor and recorder in order to determine fuel consumption. A parametric monitor as defined in Regulation 1-238 is not acceptable. The owner/operator shall keep continuous fuel flow records for at least five years and shall make these records available to the District upon request. [Cumulative Increase]

8. The owner/operator shall install, calibrate, maintain, and operate District-approved continuous emission monitors and recorders for NOx and O2. The owner/operator shall keep NOx and O2 data for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]

9.

a. The owner/operator shall conduct District-approved source tests two times per year to determine compliance with the CO limit. The tests shall be no less than 4 months apart and no more than 8 months apart. The source tests shall be performed on the heater in an as-found condition. CO source tests performed by the District may be substituted for semi-annual CO source tests. If the heater exceeds the limits in parts 4b or 4e more than once in any 3 year period, the owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitor and recorder for CO within the time period specified in the District Manual of Procedures after the second exceedance of the limits in parts 4b or 4e. The owner/operator shall keep CO data for at least five years and shall make these records available to the District upon request.

For tests conducted by the owner/operator, the owner/operator shall conduct the source tests in accordance with Part 17. The owner/operator shall submit the source test results to the Director of Compliance and Enforcement, the Source Test Manager, and the Manager of Permit Evaluation at the District no later than 60 days after the source test. [BACT,

Cumulative Increase]

b. The owner/operator shall measure CO concentrations using a District approved handheld monitor during the first standby mode, startup, and shutdown events after this condition is incorporated into the Title V permit. Thereafter, the owner/operator shall measure CO concentrations using a District approved handheld monitor once every three years to determine CO emission factors during startup, shutdown, and standby mode. The measured CO concentrations and fuel flow data will be used to develop an emission factor or emission factors for CO emissions during startup, shutdown, and standby mode. The owner/operator may record CO concentrations over a period of time and average the concentrations to establish a more representative emission factor for each operational mode. Hand-held portable monitors shall be operated, maintained and calibrated in accordance with manufacturer guidelines.

10. The owner/operator shall use only ~~refinery~~ fuel gas and/or natural gas at S45 that does not exceed 100 ppmv total sulfur, averaged over a calendar month. [BACT, Cumulative Increase]

11. The owner/operator shall test ~~refZnery~~ fuel gas prior to combustion at S45 to determine total sulfur concentration by GC analysis or with a total sulfur analyzer (Houston Atlas or equivalent) at least once per 8-hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. [BACT, Cumulative Increase]

12. To demonstrate compliance with Part 10, the owner/operator shall measure and record the daily average sulfur content. The owner/operator shall keep records of sulfur content in fuel gas for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]

13. Deleted Application 13427.

14. The owner/operator shall record the duration of all startups, shutdowns, standby mode, and heater dryout/warmup periods to determine compliance with parts 4, 5, and 6. The owner/operator shall keep the records for at least five years and shall make these records available to the District upon request. [2-6-503]

15. Prior to the commencement of construction, the owner/operator shall submit plans to the District's Source Test Manager to obtain approval of the design and location of the source test ports. The sample ports shall be installed in accordance with Manual of Procedures, Volume 4, Section 1.2.4. (basis: Regulation 1-501)

16. No later than 90 days from the startup of ~~S45~~any source covered under Rodeo Renewed Project under Application 31157, the owner/operator of S-45 shall conduct District-approved source tests to determine initial compliance with the limits in Part 4 for NOx, CO, POC, PM10 and ammonia, and the emission rate of sulfuric acid mist. For PM10, USEPA Methods 201 and 202 ~~with the back-half ammonium sulfate subtracted shall be used~~. The owner/operator shall conduct the source tests in accordance with Part 17. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. [BACT, Cumulative Increase, Regulation 2, Rule 5]

17. The owner/operator shall comply with all applicable requirements for source tests specified in Volume IV of the District's Manual of Procedures and all applicable testing requirements for continuous emissions monitors as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Manager, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. [BACT, Cumulative Increase, Regulation 2, Rule 5]

New Permit Condition 27816 (for AC Issuance)

COND# 22963 for S-98, S-122, S-128, S-139, S-140

For Sources S98 (Tank 101), S122 (Tank 167), S128 (Tank 174), S139 (Tank 204); S140 (Tank 205)

This condition was amended by Application 18743 in February, 2009 ~~and~~ , Application 27798 in January 2018 and 31157 (2022).

1. The owner/operator shall ensure that the following tanks contain only ~~petroleum~~ organic liquids with true vapor pressures less than or equal the vapor pressures below.
   a. S98 11.00 psia October through March

b. S98 8.50 psia April through September
c. Deleted.
d. S122 11 psia
e. S128 4.4 psia
[Cumulative Increase]

2. The owner/operator shall ensure that the Combined throughput of ~~petroleum~~ gasoline, slop oil, naphtha, renewable gasoline, renewable slop oil, and/or renewable naphtha~~liquids~~ at the following tanks do not exceed the following throughput limits.
a. S98 3,723,000 barrels October through March
b. S98 3,723,000 barrels April through September
c. Deleted.
d. S122 2,000,000 barrels per any consecutive 12-month period
e. S128 5,100,000 per any consecutive 12-month period
f. S139 962,972 bbls in any consecutive 12-month period.
g. S140 630,575 bbls in any consecutive 12-month period.
[Cumulative Increase]

3. The owner/operator shall ensure that S139 and S140 are abated by A7, Vapor Recovery System. The Vapor Recovery System A7 shall have at least an overall 98% system control efficiency. [8-5-301, 40 CFR 61, Subpart FF, Regulation 1-107]

4. The owner/operator shall equip S98, S122, and S128 with a BAAQMD approved roof with mechanical shoe primary seal and zero gap secondary seal meeting the design criteria of BAAQMD Regulation 8, Rule
5. The owner/operator shall ensure that there are no ungasketed roof penetrations, no slotted pipe guide poles unless equipped with float and wiper seals, and no adjustable roof legs unless fitted with vapor seal boots or equivalent. [BACT,

5. The owner/operator of
a. S122 shall not exceed 5,479 barrels of organic liquids in any calendar day;
b. S139 shall not exceed 35,145 barrels of organic liquids in any calendar day
c. S140 shall not exceed 56,107 barrels of organic liquids in any calendar day.
(Basis: Cumulative Increase)

6. The owner/operator of S-122, S-139 and/or S-140 may use an alternate material(s) other than the materials specified in Part 2 and/or usages in excess of those specified in Part 2, provided that the owner/operator can demonstrate that all of the following are satisfied:

a. Total POC emissions from S-122 shall not exceed 4.095 tons in any consecutive twelve month period; and/or total NPOC emissions from S-122 shall be zero in any consecutive twelve month period.
b. Total POC and methane emissions combined from S-139 shall not exceed 3.206 tons in any consecutive twelve month period;
c. Total POC and methane emissions combined from S-140 shall not exceed 2.623 tons in any consecutive twelve month period;
d. Total POC emissions from S-122 shall not exceed 22 pounds in any calendar day; and/or total NPOC emissions from S-122 shall be zero pounds in any calendar day;
e. Total POC and methane emissions combined from S-139 shall not exceed 49 pounds in any calendar day;
f. Total POC and methane emissions combined emissions from S-140 shall not exceed 94 pounds in calendar day; and
g. The use of these materials does not increase toxic emissions equal to or above any risk screening trigger level of Table 2-5-1 in Regulation 2-5. (Basis: Cumulative Increase; Toxics)

7. To determine compliance with the above parts, the owner/operator of S-122, S-139 and/or S-140 shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:
a. Quantities, vapor pressures and emission calculations of each type of material stored at S-122, S-139 and S-140 on a daily basis.
b. If a material other than those specified in Part 2 is used, POC, NPOC , methane and/or toxic component contents of each material used; and mass emission calculations to demonstrate compliance with Part 6, on a daily basis;
c. daily throughput and/or emission calculations shall be totaled for each consecutive twelvemonth period.
All records shall be retained on-site for at least five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase; Toxics)

New Permit Condition 27817 (for AC Issuance)

Condition no. 22964

Sources ~~S301, S302, S303, Sulfur Pits,~~ S465, Sulfur Pit abated by S1010, Sulfur Recovery Unit This condition was amended by Application 13424 in October, 2007, and by Application 10994 on October 31, 2008. Amended by Rodeo Renewed Project, Application 31157 (2022)

1. ~~The owner/operator shall ensure that the throughput of molten sulfur at S301, S302, and S303 combined does not exceed 98,915 long tons per consecutive 12-month period. [Cumulative Increase]~~ Delete S-301, S-302 and S-303 are shut down with Rodeo Renewed Project.

2. The owner/operator shall ensure that the throughput of molten sulfur at S465 does not exceed 73,000 long tons per consecutive 12-month period. [Cumulative Increase]

3. The owner/operator shall ensure that S465, Sulfur Pit, is controlled at all times by S1010, Sulfur Recovery Unit or by S-599 Sour Water Strippers and Amine Gas Treatment System. S-599 shall be used only during emergencies (unplanned outages) of Unit S-1010 Sulfur Recovery Unit. [Cumulative increase, 40 CFR 60.104(b)]

4. ~~The owner/operator shall ensure that S301, Molten Sulfur Pit, is abated by A8, Stretford Evaporative Cooler. [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]~~ Deleted. S301 shut down

~~5. The owner/operator shall ensure that S302, Molten Sulfur Pit, is abated by A9, Stretford Evaporative Cooler. [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]~~ Deleted. S302 shut down

~~6. The owner/operator shall ensure that S303, Molten Sulfur Pit, is abated by A10, Stretford Evaporative Cooler. [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]~~ Deleted. S-303 shut down

7. ~~Notwithstanding the requirements of parts 4-6, the owner/operator may disconnect the vent lines from S301, S302, and S303, Molten Sulfur Pits, to A8, A9, and A10, Stretford Evaporative Coolers, for periodic maintenance without penalty, as long as the owner/operator takes reasonable measures to minimize emissions while such periodic maintenance is being performed. [Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07]~~ Delete S-301, S-302 and S-303 are shut down with Rodeo Renewed Project.

~~8. The owner/operator shall maintain monthly records of throughput at S301, S302, and S303 combined. These records shall be maintained on site for a minimum of 5 years and shall be made available to District staff upon request. [Cumulative Increase]~~ Delete S-301, S-302 and S-303 are shut down with Rodeo Renewed Project.

9. The owner/operator shall maintain monthly records of throughput at S465. The owner/operator shall keep the record of the manufacturer's specification on file at all times. These records shall be maintained on site for a minimum of 5 years and shall be made available to District staff upon request. [Cumulative Increase]

10. When operating S-465 Sulfur Pit with S-599 during emergencies, the owner/operator of S-465 shall continue to comply with the most stringent requirements of either Conditions 27818 and/or 27648. (Basis: Regulation 1-107, Regulation 2-2-208 Cumulative increase)

COND# 22965 ----------

Source S307, U240 Unicracking Unit
Source S434, U246 High Pressure Reaction Train. Archived. Condition 27647 replaced Condition 22965 in Rodeo Renewed Project, Application 31157 (2022) upon startup

~~This condition was amended by Application 13424 in October 2007 and Application 27954 in August 2018.~~

~~1. The owner/operator shall ensure that the combined throughput of S307 and S-434 does not exceed 69,000 barrels/day. [Cumulative Increase]~~

~~2. The owner/operator shall keep throughput records for this source on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]~~

~~3. All pressure relief devices on the process unit shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98% by weight. [8-28-302, BACT]~~

COND# 22967 ----------

Source S309, U248 Unisar Unit. Archived. Condition 27647 replaced Condition 22967 in Rodeo Renewed Project, Application 31157 (2022) upon startup

~~This condition was amended by Application 13424 in October, 2007.~~

~~1. The owner/operator shall ensure that the throughput of S309 does not exceed 16,740 barrels/day.~~

~~2. The owner/operator shall keep throughput records for this source on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]~~

CONDITION 22968

Source S339, U80 Gasoline/Mid Barrel Blending

1. The owner/operator shall ensure that the throughput of S339 does not exceed 52,600,000 barrels over any rolling 12-month period.

2. The owner/operator shall keep throughput records for this source on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]

CONDITION 22969

Source S434, U246 High Pressure Reactor Train (Cracking)- Archived. Condition 27647 replaced Condition 22969 in Rodeo Renewed Project, Application 31157 (2022) upon startup

~~1. The owner/operator shall ensure that the throughput of S434 does not exceed 9,855,000 barrels over any rolling 12-month period. [Cumulative Increase]~~

~~2. The owner/operator shall keep throughput records for this source on a monthly basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]~~

~~3. All pressure relief devices on the process unit shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98% by weight. [8-28-302, BACT]~~

CONDITION 22970

A. CFEP Project Mass Emission Limits

1. Following are the sources that are subject to Condition 22970, parts A2, A4, and A.5:
   S45, Heater (U246 B-801 A/B)
   S434, U246 High Pressure Reactor Train (Cracking)
   S1010, U235 Sulfur Recovery Unit
   [Cumulative increase, PSD]
2. The owner/operator shall ensure that the annual emissions of the above sources do not exceed the following annual emission limits, including startup, shutdown, malfunction, and upset emissions.
   a. NOx 13.5 tpy [Cumulative increase]
   b. SO2 34.4 tpy [Cumulative increase]
   c. PM10 2.9 tpy [Cumulative increase, PSD]
   d. POC 1.9 tpy [Cumulative increase]
   e. CO 40.72 tpy [Cumulative increase]
   f. Sulfuric acid mist 6.01 tpy [PSD]
   *g. Ammonia 6.35 tpy [BAAQMD Regulation 2, Rule 5]
3. The owner/operator shall ensure that the daily emissions of the CFEP, including source S2 at Facility B7419, do not exceed the following daily emission limit, including startup, shutdown, malfunction, and upset emissions.
   a. Sulfuric acid mist 38 lb/day [PSD]
4. The owner/operator shall determine whether the emissions are below the allowable emissions in Part A.2, as shown below. The owner/operator shall calculate and report the emissions of NOX, SO2, PM10, POC, CO, and sulfuric acid mist on an annual basis in the following manner.
   a. For Source S45, Heater
      i. Use the mass emissions data generated by the NOx CEM at S45.
      ii. Use the emissions rates determined by semi-annual source tests for CO at S45.

iii. Use the emissions rates determined by initial source test for POC, PM10, and sulfuric acid mist at S45.
iv. *Use the emissions rates determined by initial source test for ammonia at S45.
v. Use the sulfur analysis of fuel required by Condition 22862, part 11 at S45.
[Cumulative increase, PSD, BAAQMD Regulation 2, Rule 5]

b. For Source S1010, Sulfur Recovery Unit
i. Use the mass emissions data generated by the SO2 and CO CEMs at S1010.
ii. Use the emissions rates determined by annual source tests for NOx and sulfuric acid mist at S1010.
iii. *Use the emissions rates determined by annual source test for ammonia at S1010.
iv. Use the emissions rates determined by initial source test for POC and PM10 at S1010.
[Cumulative increase, PSD, BAAQMD Regulation 2, Rule 5]

c. For the refinery flare S296
i. Calculate any emissions caused by venting the contents of any part of the sulfur recovery unit including S1010, A48, and A424 to the refinery flare.
ii. Calculate any emissions caused by venting the contents of any part of S434 to a refinery flare.
iii. The owner/operator shall calculate any emissions caused by venting the feed to Facility B7419, sources S1 or S2 to the refinery flare.
[Cumulative increase, PSD, BAAQMD Regulation 2, Rule 5]

5. If the annual emissions, as determined in part 4, are above the allowable emissions in part A.2, the owner/operator shall supply additional offsets, where applicable, and perform additional analysis for PSD, if necessary**.** The results of the analysis shall be submitted to the Director of Compliance and Enforcement on an annual basis on the anniversary of the startup of S1010 or S434, whichever is earlier. [Offset, PSD]

6. The annual emissions of the following sources shall not exceed 16.7 tons PM10/yr: S45, S434, and S1010 at Facility A0016, and S2 and S3 at Facility B7419. If the emissions exceed 16.7 tons per year, the owners/operators of Facilities A0016 and B7419 shall provide contemporaneous offsets of PM10 that comply with BAAQMD Regulations 2-2-201 and 2-2-605. The owners/operators shall use the following data to calculate the annual PM10 emissions:
a. The emissions rate of PM10 determined by the initial source tests at S45 and S1010 at Facility A0016
b. The emissions rate of PM10 determined by the initial source test at S2 at Facility B7419
c. The emissions rate of PM10 calculated for venting the contents of any part of S434 to a refinery flare
d. The emissions rate of PM10 calculated for venting the contents of any part of S1010, A48, and A424 to a refinery flare
e, The emissions rate of PM10 calculated for operation of S3, Hydrogen Plant Flare, at Facility B7419

The results of the analysis shall be submitted to the Director of Compliance and Enforcement on an annual basis on the anniversary of the startup of S1010 or S434 at Facility A0016 or S2 at Facility B7419, whichever is earlier. [1-104, 2-2-304]

New Permit Condition 27818 (for AC Issuance)

CONDITION 23125

Source S1010, U235 Sulfur Recovery Unit, S503, Sulfur Storage Tank, S504, Sulfur Degassing Unit, S505, Sulfur Truck Loading Rack

Amended by Rodeo Renewed Project, Application 31157 (2022)

For the purposes of this condition, total reduced sulfur shall mean dimethyl disulfide, dimethyl sulfide, hydrogen sulfide, and methyl mercaptan; and reduced sulfur compounds shall mean hydrogen sulfide, carbonyl sulfide, and carbon disulfide.

1. The owner/operator shall ensure that the throughput of molten sulfur at S1010 does not exceed 200 long tons/day. [Cumulative Increase]
2. The owner/operator shall ensure that the throughput of molten sulfur at S503 does not exceed 471 long tons/day. [Cumulative Increase]
3. The owner/operator shall ensure that S1010 is abated at all times of operation by A48, SRU Tail Gas Treatment Unit, and A424, Incinerator. [Cumulative Increase]
4. The owner/operator shall ensure that S503, Sulfur Storage Tank, S504, Sulfur Degassing Unit, and S505, Sulfur Truck Loading Rack, are controlled at all times of operation by the Claus reaction furnace at S1010 ~~or S1003~~, Sulfur Recovery Unit or~~.~~ by S-599 Sour Water Strippers and Amine Gas Treatment System. S-599 shall be used only during emergencies (unplanned outages) of Unit S-1010 Sulfur Recovery Unit. [Cumulative Increase, 2-1-305]
5. All pressure relief devices on S1010 shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98%. [8-28-302, BACT]
6. The owner/operator shall ensure that the supplemental fuel used at A424, Tail Gas Incinerator, is PUC quality natural gas. [BACT]
7. The owner/operator shall not exceed the following emission concentrations from S1010/A48/A424:
   a. SO2 50 ppmv, dry, @ 0% O2, 24-hour basis. [BACT]
   b. CO 75 ppmvd, dry, @ 7% O2, 1-hour basis. [BACT]
   c. NOx 42.2 ppmv, dry, @ 7% O2, 1-hour basis. [BACT]

*8. The owner/operator shall not exceed the following emission concentrations from S1010/A48/A424:
   a. NH3 12.5 ppmv @ 7% O2, 24-hour basis [Regulation 2, Rule 5]
   b. H2S: 2.5 ppmv @ 0% O2, 24-hour basis [Regulation 2, Rule 5]

9. The owner/operator shall not exceed the following hourly limits from S1010/A48/A424:
   a. NOx: 8.0 lb/hr [2-1-305]
   *b. H2S: 0.23 lb/hr [Regulation 2, Rule 5]
   *c. NH3: 0.88 lb/hr [Regulation 2, Rule 5]

10. The owner/operator shall ensure that daily emissions, including startups, shutdowns, upsets, and malfunctions, from S1010/A48/A424 do not exceed the following limits:
   a. Sulfuric acid mist: 31 lb/day [PSD]
   b. PM10: 9.5 lb/day [2-1-301]

11. The owner/operator shall ensure that that annual emissions, including startups, shutdowns, upsets, and malfunctions, from S1010/A48/A424, do not exceed the following limits per any consecutive 12-month period:
   a. SO2: 29.7 tons [BACT, Cumulative Increase]
   b. NH3: 3.85 tons [Regulation 2, Rule 5]
   c. CO: 37.9 tons [BACT, Cumulative Increase]
   d. NOx: 11.2 tons [BACT, Cumulative Increase]
   e. POC: 0.43 tons [Cumulative Increase]
   f. PM10: 1.19 tons [Cumulative Increase]
   g. Sulfuric acid mist: 5.65 tons [2-1-301]
   *h. H2S: 0.975 tons [Regulation 2, Rule 5]
   i. Total Reduced Sulfur: 10 tons [PSD]
   j. Reduced Sulfur Compounds: 10 tons [PSD]
   k. H2S: 10 tons [PSD]

12. Prior to the commencement of construction, the owner/operator shall submit plans to the District's Source Test Division to obtain approval of the design and location of the source test ports. The

sample ports shall be installed in accordance with Manual of Procedures, Volume 4, Section 1.2.4. Ports for filterable particulate and PM10 testing shall be installed. [basis: Regulation 1-501]

13. No later than 90 days from the startup of S1010, the owner/operator shall conduct District-approved source tests to determine (1) initial compliance with the limits in Parts 7, 8, 9, and 13 for NOx, CO, POC, PM10, SO2, sulfuric acid mist, H2S, ammonia, (2) the BAAQMD Regulation 6 requirements below, and (3) the emission rates in lbs/dry standard cubic foot of NOx, POC, PM10, sulfuric acid mist, NH3, H2S, and reduced sulfur compounds. The owner/operator shall conduct the source tests in accordance with Part 19. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. During the source test, the owner/operator shall determine the temperature required to achieve an outlet concentration of 2.5 ppmv H2S @ 0% O2, mass emissions of 0.23 lb/hr of H2S, mass emissions of 2.2 lb/hr of reduced sulfur compounds, and 2.2 lb/hr of total reduced sulfur, while meeting all other limits. The temperature shall become an enforceable limit.

a. BAAQMD Regulation 6-1-310.1 and SIP Regulation 6-310: 0.15 gr PM/dscf
b. BAAQMD Regulation 6-1-311.1 and SIP Regulation 6-311: PM emissions based on Process Rate Weight
c. BAAQMD Regulation 6-1-330 and SIP Regulation 6-330: SO3 and H2SO4 limit

Compliance with the 24-hour H2S and NH3 concentration limits shall be shown using three 30-minute runs as provided by the test method, unless the owner/operator chooses to run the test for 24 hours. If the rate of reduced sulfur compounds, including H2S, exceeds 2.2 lb/hr, or if the rate of total reduced sulfur, including H2S, exceeds 2.2 lb/hr, the District reserves the right to require additional PSD analysis or to impose a higher temperature limit for A424, Incinerator, to control total reduced sulfur and reduced sulfur compounds.

[BACT, Cumulative Increase; Regulation 2, Rule 5; BAAQMD Regulation 6; PSD, 40 CFR 64.6(d)]

14. After the initial source test required in part 13 of this condition, the owner/operator shall ensure that the minimum temperature of A424 shall not be lower than 1409 F. [Offsets, 40 CFR 64]
15. To determine compliance with the temperature limit in part 14, A424, Thermal Oxidizer, shall be equipped with a temperature measuring device capable of continuously measuring and recording the temperature in A424. The temperature monitor shall be installed prior to startup. The owner/operator shall install, and maintain in accordance with manufacturer's recommendations, a temperature measuring device that meets the following criteria: the minimum and maximum measurable temperatures with the device are 0 degrees F and 2,300 degrees F, respectively, and the minimum accuracy of the device over this temperature range shall be 1.0 percent of full-scale. [Regulation 1-521, 40 CFR 64.6(d)]
16. The temperature limit in part 14 shall not apply during an "Allowable Temperature Excursion", provided that the temperature controller setpoint complies with the temperature limit. For the purposes of parts 16 and 17 of this condition, a temperature excursion refers only to temperatures below the limit. An Allowable Temperature Excursion is one of the following:

    a. A temperature excursion not exceeding 20 degrees F; or
    b. A temperature excursion for a period or periods which when combined are less than or equal to 15 minutes in any hour; or
    c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met.
        i. the excursion does not exceed 50 degrees F;
        ii. the duration of the excursion does not exceed 24 hours; and
        iii. the total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period).

    Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour

period shall be counted as one excursion toward the 12 excursion limit. [Regulation 2-1-403]

17. For each Allowable Temperature Excursion that exceeds 20 degrees F and 15 minutes in duration, the Permit Holder shall keep sufficient records to demonstrate that they meet the qualifying criteria described above. Records shall be retained for a minimum of five years from the date of entry, and shall be made available to the District upon request. Records shall include at least the following information:

    a. Temperature controller setpoint;
    b. Starting date and time, and duration of each Allowable Temperature Excursion;
    c. Measured temperature during each Allowable Temperature Excursion;
    d. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and
    e. All strip charts or other temperature records. [Regulation 2-1-403]

18. For the purposes of parts 16 and 17 of this condition, a temperature excursion refers only to temperatures below the limit. (Basis: Regulation 2-1-403)

19. The owner/operator shall submit protocols for all source test procedures to the District's Source Test Section at least three weeks prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements for continuous emissions monitors as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the projected test dates at least 7 days prior to testing. [BACT, Cumulative Increase; Regulation 2, Rule 5]

20. The owner/operator shall perform an annual District-approved source test to verify compliance with the following requirements. A copy of the source test results shall be provided to the District Director of Compliance and Enforcement within 60 days of the test.
    a. BAAQMD Regulation 6-1-310.1 and SIP Regulation 6-310: 0.15 gr PM/dscf
    b. BAAQMD Regulation 6-1-311.1 and SIP Regulation 6-311: PM emissions based on Process Rate Weight
    c. BAAQMD Regulation 6-1-330 and SIP Regulation 6-330: SO3 and H2SO4 limit
    d. Emission rates in parts 7c, 8a, 8b, 9a, 9b, and 9c of this condition.
    e. Emission rates of sulfuric acid mist, total reduced sulfur, and reduced sulfur compounds

    Compliance with the 24-hour H2S concentration limit shall be shown using three 30-minute runs as provided by the test method, unless the owner/operator chooses to run the test for 24 hours. [BACT; BAAQMD Regulation 6, Rule 1 ; SIP Regulation 6; PSD; Regulation 2, Rule 5; Cumulative increase]

21. The owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitor (CEM) and recorder for exhaust gas flowrate, SO2 and O2. The CEM shall be installed prior to startup. The owner/operator shall keep exhaust gas flow, SO2 and O2 data for at least five years and shall make these records available to the District upon request. The owner/operator shall measure SO2 concentration and mass emissions on a clock-hour basis. The monitors shall comply with the requirements of 40 CFR 60.105, 40 CFR 63.1572, and the District's Manual of Procedures, Volume 5. [BACT, Cumulative Increase, 40 CFR 60.105a; 40 CFR 64.6(c)(1), (c)(3), and (d); 40 CFR 63.1568(a)(1)(i)]

22. The owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitor (CEM) and recorder for exhaust gas flow and CO. The CEM shall be installed prior to startup. The CEM shall complete a minimum of one cycle of operation (sampling, analyzing, and

data recording) for each successive 15-minute period. The owner/operator shall keep flow and CO data for at least five years and shall make these records available to the District upon request. The owner/operator shall measure CO concentration and mass emissions on a clock-hour basis. The monitors shall comply the requirements of the District's Manual of Procedures, Volume 5. [BACT, Cumulative Increase; 40 CFR 64.6(c)(1) and (d)]

23. Deleted Application 13427
24. The owner/operator shall keep throughput records for sources S1010 and S503 on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]
25. The owner/operator shall use the source tests required in parts 13 and 20 to determine compliance with the daily limit in part 10 and the annual limits in parts 11b, 11d, 11e, 11f, 11h, and 11i. At the end of every month, the owner/operator shall summarize the exhaust gas flow in dry standard cubic feet for the month and shall calculate the estimated emissions of each pollutant for the previous consecutive 12-month period and for H2S for each day of the month using the emission rate determined in the last source test. The summaries and calculations shall be completed within 60 days of the end of each month. Alternately, the owner/operator may establish a daily and monthly exhaust gas flow level after each source test that will ensure compliance with the daily and annual limits. In this case, the owner/operator will log the daily and monthly exhaust gas flows from S1010/A48/A424. [Cumulative increase; Regulation 2, Rule 5; Cumulative Increase, PSD]
26. The Owner/Operator shall perform a visible emissions check on Source S1010 on a monthly basis. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the owner/operator shall have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures outlined in the CARB manual, “Visible Emissions Evaluation” for six (6) minutes within three (3) days and record the results of the reading. If the reading is in compliance with the Ringelmann 1.0 limit in BAAQMD Regulation 6-1-301, the reading shall be recorded and the owner/operator shall continue to perform a visible emissions check on a monthly basis. If the reading is not in compliance with the Ringelmann 1.0 limit in BAAQMD Regulation 6-1-301, the owner/operator shall take corrective action and report the violation in accordance with Standard Condition 1.F of the Title V permit. The certified smoke-reader shall continue to conduct the Method 9 or CARB Visible Emission Evaluation on a daily basis until the daily reading shows compliance with the applicable limit or until the equipment is shut down. Records of visible emissions checks and opacity readings made by a CARB-certified smoke reader shall be kept for a period of at least 5 years from date of entry and shall be made available to District staff upon request. [Basis: BAAQMD Regulations 6-1-301, 2-1-403; SIP Regulation 6]

Additional CAM conditions:

27. The owner/operator shall develop specifications for the location and installation of the temperature monitor to ensure that the temperature data is representative of the concentration of H2S, reduced sulfur compounds, and total reduced sulfur. [40 CFR 64.3(b)(1)]
28. The owner/operator shall develop verification procedures to confirm the operational status of the temperature monitoring prior to the date that monitoring must be conducted. [40 CFR 64.3(b)(2)]
29. The owner/operator shall develop quality assurance and control practices for the temperature monitoring. [40 CFR 64.3(b)(3)]
30. The owner/operator shall record the temperature at least 4 times per hour in a computerized data acquisition system, except during times of temperature monitor malfunction that comply with BAAQMD Regulation 1-523. [40 CFR 64.3(b)(4)]
31. The owner/operator shall determine that an exceedance of the temperature limit has occurred when the temperature drops below the limit set in accordance with part 13 of this condition; except that a limited number of excursions may occur without penalty in accordance with parts 16 through 18 of this condition. [40 CFR 64.6(c)(2)]

32. When operating S-1010 with S-599 during emergencies, the owner/operator of S-1010 shall continue to comply with the most stringent requirements of either Conditions 27818 and/or 27648. (Basis: Regulation 1-107, Regulation 2-2-208 Cumulative increase)

COND# 23724 ----------

For Sources S135 (Tank 200), S137 (Tank 202), S139 (Tank 204), S140 (Tank 205), S168 (Tank 269), S173 (Tank 280), S174 (Tank 281), S175 (Tank 284), S182 (Tank 294), S360 (Tank 223), S445 (Tank 271), S449 (Tank 285), S506 (Tank 257), Tank 235, and Tank 236.
This condition was imposed by Application 13424 and amended by Application 16940 in January 2008, Application 13427 in 2009, ~~and~~ Application 21706 in 2010~~,~~ Application 26020 April 2014. Amended by Application 31703 to add daily, annual throughput and emissions (Parts 10 through 13), Application 31157 (2022).

1. ~~.~~
   a. The owner/operator shall ensure that all sources subject to this permit condition are abated by A7, Vapor Recovery System at all times of operation except for the following sources, which shall be controlled according to the schedule below. The owner/operator shall ensure A7, Vapor Recovery System, shall have at least an overall 98% system control efficiency:
      S168
      S173
      S174
      S506
   S168 shall be abated by A7 and subject to the terms of this condition prior to the startup of S434. S173 and S174 shall be abated when blanketing is required to preserve product or feed. S506 shall be abated by A7 and subject to the terms of this condition upon the date of startup. [Basis: Regulation 2-1-403, Regulation 1-107]
   b. The owner/operator shall ensure that a fourth compressor is added to A7, Odor Abatement System, before more than two of the following sources are controlled by A7: S168, S173, S174, S175, S506. [Basis: Regulation 2-1-301, 2-1-305, 2-1-403, CEQA]
   c. The new odor abatement compressor, or a dedicated compressor, shall be designed and installed to supplement G-503, Flare Gas Recovery Compressor. [CEQA]

2. The owner/operator shall ensure that all tanks subject to this permit condition are blanketed by utility-grade natural gas. [Basis: Regulation 2-1-403]

3. By July 5, 2009, the owner/operator shall equip all

tanks subject to this permit condition except S506 with District-approved pressure monitoring devices. Upon startup, the owner/operator shall equip S506 with a District-approved pressure-monitoring device. [Basis: Regulation 2-1-403]

4. After the pressure monitoring devices are installed, the owner/operator shall ensure that tanks listed below operate at all times below their respective minimum set pressures, as shown in 4a and 4b of this condition. Any recorded pressure in excess of the minimum pressure shall be reported to the District's Compliance and Enforcement and Engineering Divisions within 10 days of the pressure excess. The owner/operator must conduct an investigation of the incident to determine if the pressure excess resulted in the pressure/vacuum (PV) valve lifting to atmosphere and if so, why there was a pressure excess that resulted in the PV valve lifting to atmosphere. Results of the investigation must be reported to the District's Compliance and Enforcement and Engineering Division within 30 days of the initial report. Any recorded pressure in excess of the minimum set pressure shall be considered an indication of a valve lift to atmosphere unless a District approved tell-tale indicator on the PV valve shows that the valve did not lift, or the owner/operator demonstrates to the satisfaction of the APCO that the recorded pressure excess was the result of a monitoring, recording or other malfunction.
The minimum set pressure for each storage tank, except S139, S140, S182, S360, S445, S449, must be submitted in a report to the District's Compliance and Enforcement and Engineering Divisions within 21 months of issuance of the Authority to Construct.

a. Source Number — Minimum Set Pressure (inches H2O)

Source Number	Minimum Set Pressure (inches H2O)
135	1.7
137	1.7
139	1.9
140	1.9
168	1.8
182	1.8
360	1.9
445	1.9
449	1.5
506	2.2

The owner/operator shall submit an accelerated permit application to include any change to any of the pressures above. Any amendment to the Title V permit to include the pressures above shall be submitted as a

minor revision to the Title V permit. [Basis: Regulation 8, Rule 5]

b. Source Number Minimum Set Pressure (inches H2O)

. 173 1.8
. 174 1.8
. 175 1.3
. Tank 235 2.2
. Tank 236 2.2

The owner/operator shall submit an accelerated permit application to include any change to any of the pressures above. Any amendment to the Title V permit to include the pressures above shall be submitted as a minor revision to the Title V permit. [Basis: Regulation 2-1-403]

5. The owner/operator shall ensure that each pressure relief valve for each tank must be set at or above its nominal set pressure listed in Part 4 of this permit condition. [Basis: Regulation 2-1-403]

6. Corrective Plan:
The corrective plan is a means for ConocoPhillips to correct occasional exceedances, to stay within the working pressure limits and thus to remain in compliance with District Regulations. If a PV valve has been determined to have lifted three times in a 12 month period, ConocoPhillips shall implement abatement measures to prevent the recurrence of the type of incident which caused the valve to lift. This plan is intended to provide a mechanism for bringing ConocoPhillips back into compliance should a temporary exceedance occur. This plan does not constitute an alternative means of compliance. [Basis: Regulation 2-1-403]

a. If, during any consecutive 12-month period, more than three instances of a PV valve release to atmosphere attributed to a storage tank subject to this permit condition are reported, ConocoPhillips shall propose a method to correct the exceedance and to ensure compliance with District regulations and permit conditions. The proposed method is subject to approval by the Air Pollution Control Officer. Potential methods include but are not limited to increasing the nominal set pressure of the pressure/vacuum valve, bladder tank(s) for additional short-term vapor storage capacity, dedicated vapor recovery flare, pilot control on pressure relief valves, flow meters on vapor

recovery tanks to monitor blanket gas flows, replacement of tanks, and naphtha degassers. [Basis: Regulation 2-1-403]

7. To determine compliance with the above conditions, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including, but not necessarily limited to the following information:
   a. Pressure measurements from tanks listed in part 4 of this condition. Pressure shall be recorded at least for one-minute interval for each tank, except as allowed in BAAQMD Regulation 1-523 for parametric monitors. The owner/operator shall maintain a reasonable stock of spare parts for the components of the monitoring system to ensure that repairs are completed as quickly as possible.

   All records shall be retained on site for five years, from the date of entry and made available for inspection by the District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District regulation. [Basis: Regulation 2-1-403]

8. The requirement to report pressures in excess of the minimum pressure as described in part 4 of this permit condition, shall start on July 5, 2009 for all tanks in this condition except S139, S140, S182, S360, S445, S449. The requirement to report pressures in excess of the minimum pressure as described in part 4 of this permit condition, shall start on January 5, 2008 for the following tanks:
   S139, S140, S182, S360, S445, S449.
   . [Basis: 2-1-403]

9. The permit to operate is contingent upon compliance with Regulation 1-301, Standard for Public Nuisance, and Regulation 7, Odorous Substances. Upon receipt of a violation for either of these regulations, the Air Pollution Control Officer may require the owner/operator to install additional emission control measures as stated in Part 6 of this permit condition. [Basis: Regulations 1-301, 7-301, 7-302]

10. ~~The owner/operator of S-360 shall ensure that the renewable feedstock does not exceed 927,740 barrels in any consecutive rolling 12-month period and/or 52,867 barrels in any calendar day. The owner/operator of S-360 shall not load any other materials other than renewable feedstock.~~

~~(Basis: Regulation 2-2-208 Cumulative Increase)~~Deleted. S-360 is exempt from permit during P66 Rodeo Renewed Project upon initial startup under Application 31157.

~~11.~~ 11. Deleted. S-360 is exempt from permit during P66 Rodeo Renewed Project upon initial startup under Application 31157.~~The owner/operator of S-360 may store alternate liquid(s) other than the materials specified in Part 10 and/or usages in excess of those specified in Part 10 provided that the owner/operator can demonstrate that all of the following are satisfied:~~

~~a. Total POC and methane emissions combined from S-360 do not exceed 1.412 tons in any consecutive rolling twelve month period and/or 44.04 pounds in any calendar day;~~

~~b. The use of these materials does not increase toxic emissions to equal to or above any risk screening trigger level of Table 2-5-1 in Regulation 2-5.~~

~~(Basis: Regulation 2-2-208 Cumulative Increase; Regulation 2-5 Toxics)~~

~~12.~~ 12. Deleted. S-506 is exempt from permit during P66 Rodeo Renewed Project upon initial startup under Application 31157.~~The owner/operator of S-506 shall ensure that the renewable feedstock does not exceed 1,190,740 barrels in any consecutive rolling 12-month period and/or 37,676 barrels in any calendar day. The owner/operator of S-506 shall not load any other materials other than renewable feedstock.~~

~~(Basis: Regulation 2-2-208 Cumulative Increase)~~

~~13.~~ 13. Deleted. S-506 is exempt from permit during P66 Rodeo Renewed Project upon initial startup under Application 31157.~~The owner/operator of S-506 may store alternate liquid(s) other than the materials specified in Part 12 and/or usages in excess of those specified in Part 12 provided that the owner/operator can demonstrate that all of the following are satisfied:~~

~~a. Total POC and methane emissions combined from S-506 do not exceed 1.285 tons in any consecutive rolling twelve month period and/or 28.23 pounds in any calendar day;~~

~~b. The use of these materials does not increase toxic emissions to equal to or above any risk screening trigger level of Table 2-5-1 in Regulation 2-5.~~

~~(Basis: Regulation 2-2-208 Cumulative Increase; Regulation 2-5 Toxics)~~

~~14.~~ 14. Deleted. S-360 and S-506 are exempt from permit during P66 Rodeo Renewed Project upon initial startup under Application 31157.~~To determine compliance with the above condition(s), the owner/operator of each source S-360 and/or S-506 shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including, but not necessarily limited to, the following information:~~

~~a. Quantities, true vapor pressures, and emissions calculations of each type of liquid stored at this source on a daily basis.~~

~~b. If a material other than those specified in Parts 10 and/or 12 is stored, POC and toxic component contents of each material used; and mass emission calculations to demonstrate compliance with Parts 11 and/or 13, on a daily basis;~~

~~c. Daily throughput and/or emissions calculations shall be totaled for each consecutive twelve-month period.~~

~~All records shall be retained on-site for at least five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase; Toxics)~~

15. Deleted. S-360 and S-506 are exempt from permit during P66 Rodeo Renewed Project upon initial startup under Application 31157.~~When each S-360 and/or S-506 operates with petroleum-based feedstocks, the~~

~~owner/operator of source S-461 shall conduct initial and at least every 5 years (in the year prior to the Title V Permit Renewal) compliance source testing to determine the POC destruction efficiency per:~~

~~- Permit Condition 23724, Part 1a for S-360 and S-506~~

~~The owner/operator shall notify the Air District's Compliance and Enforcement Division, Source Test Section, and Engineering Division at least seven days in advance of the initial compliance source test such that the Air District may observe during testing. The results shall be delivered to the Air District's Source Test Section no later than 60 days from the date of the test. If the POC destruction efficiency is greater than or equal to 98%, the source testing results show compliance with the assumptions used in analysis for the issuance of the Permit to Operate of application 31703 and no further action will be required. If the POC destruction efficiency is less than 98%, the owner/operator shall submit a new permit application to address the non-compliance with Permit Condition listed above.~~

~~For each source, the owner/operator of S-461 shall measure the following:~~
~~the fuel feed rate in SCFM~~
~~the POC emission rate at the stack~~
~~the flue gas flow rate in SCFM at the stack~~
~~the oxygen content of the stack flue gas~~
~~the destruction efficiency of POC/VOC as measured across the Furnace/combustion device.~~
~~The owner/operator shall ensure that two copies of the results of the source testing along with related calculations and relevant process data are received by the District's Engineering Division not more than 60 days following the date of the source test.~~
~~(Basis: Regulation 2-2-208 Cumulative Increase, Regulation 2-5 Toxics, Regulation 2-2-302 Offsets, Regulation 1-238 Parametric Monitor, Regulation 1-107)~~

New Permit Condition 27824 (for Startup Issuance)

Condition no. 25223

For Sources S340 (Tank 108). Amended by Application 31157 (2022), Tank will be exempt after startup of sources within AN 31157. New condition 27646, Part 21 requires notification for the permits in order to issue letters of exemption.

~~1. The total throughput at S340 shall not exceed 10 million barrels in any consecutive 12 month period.~~Deleted, exempt tank.

~~2. The owner/operator shall ensure that S340 stores only crude oil or petroleum liquids with a true vapor pressure of 3.0 psia or less. [BACT]~~Deleted, exempt tank.

3. The owner/operator shall operate S340 with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. The owner/operator shall equip S340 with a BAAQMD approved roof with liquid mounted primary seal that meets the design criteria of BAAQMD Regulation 8-5-321.3 and secondary seal that meets the design

criteria of BAAQMD Regulation 8-5-322.5. The owner/operator shall ensure that there are no ungasketed roof penetrations, no slotted pipe guide poles unless equipped with float and wiper seals, and no adjustable roof legs unless fitted with vapor seal boots or equivalent. [BACT, cumulative increase]

~~4. Monthly records of the throughput of each material processed at this tank shall be kept in a District approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]~~Deleted. Exempt tank.

New Permit Condition 27819 (for Startup Issuance)

COND# 25477 ----------

Amended by Rodeo Renewed Project, Application 31157 (2022) converted to fix roof tank and abated by carbon adsorption system.

1. The total throughput of ~~crude oil~~renewable feedstock and other organic liquids at S97 shall not exceed 15.571 million barrels in any consecutive rolling ~~continuous~~12 month period and/or 42,660 barrels in any calendar day. The tank shall only store renewable feedstocks upon startup of any source covered in Application 31157.~~The tank shall only store crude oil.~~
   [BACT, Cumulative Increase]

2. ~~The owner/operator shall operate S97 with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. The owner/operator shall equip S97 with a BAAQMD approved roof with liquid mounted primary seal that meets the design criteria of BAAQMD Regulation 8-5-321.3 and secondary seal that meets the design criteria of BAAQMD Regulation 8-5-322.5. The owner/operator shall ensure that there are no ungasketed roof penetrations, no slotted pipe guide poles unless equipped with float and wiper seals, and no adjustable roof legs unless fitted with vapor seal boots or equivalent. [BACT, Cumulative increase]~~Delete, tank is abated by carbon adsorption system in Rodeo Renewed Project, Application 31157

3. Monthly records of the throughput of each material processed at this tank and corresponding vapor pressure of each material and emission calculations shall be kept in a District approved log for at least 5 years and shall be made available to the Air District upon request. [Cumulative Increase]

4. The owner/operator shall vent Source S-97 emissions to Abatement Device A-626, two activated carbon vessels, arranged in parallel at all times, while two additional spare vessels are connected and on standby. The owner/operator of S-97 and A-626 shall not exceed 2,911 scfm. (basis: Cumulative Increase, Odor Control, Offsets)

5. The owner/operator of S-97 shall not exceed 10 ppmv (measured as methane, C1) at the outlet of both Activated Carbon Vessels (A-626).

(Basis: Regulation 2-2-208 Cumulative Increase

6. The owner/operator of S-97 shall monitor for TOCs/POCs with a GC analyzer, flame-ionization detector (FID), or other method approved in writing by the Air Pollution Control Officer at the following locations:
a. At the inlet to the carbon vessel that are in operation.
b. At the outlet of the carbon vessel that are in operation.
When using an FID to monitor breakthrough, readings may be taken with and without a carbon filter tip fitted on the FID probe. Concentrations measured with the carbon filter tip in place shall be considered methane for the purposes of these permit conditions. (basis: Cumulative Increase, Offsets)

7. The owner/operator of S-97 shall record these monitor readings in a monitoring log at the time they are taken. The monitoring results shall be used to estimate the frequency of carbon change-out necessary to maintain compliance with Parts 5 and 8 and shall be conducted on a daily basis. (basis: Cumulative Increase)

8. The owner/operator of S-97 and A-626 shall change the last carbon vessel with unspent carbon upon detection at its outlet of 10 ppmv (measured as C1). (basis: Cumulative Increase)

9. The owner/operator of S-97 shall maintain the following records for each day of operation of the source:
a. Each monitor reading or analysis result for the day of operation they are taken.
b. The number of carbon vessels removed from service.
c. Quantities, vapor pressures and emission calculations of each type of material stored at S-97 on a daily basis.
d. Daily throughput and/or emission calculations of POC and/or NPOC shall be totaled for each month and consecutive twelve month period.
(basis: Cumulative Increase)

10. All measurements, records and data required to be maintained by the owner/operator shall be retained and made available for inspection by the Air District for at least five years following the date the data is recorded. (basis: Cumulative Increase)

11. The owner/operator of S-97 shall not exceed all of the following:

a. Total POC emissions from S-97 shall not exceed 0.316 tons in any consecutive twelve month period;
b. Total POC emissions from S-97 shall not exceed 1.7 pounds in any calendar day;

c. Total NPOC emissions from S-97 shall be zero in any calendar day and/or in any consecutive twelve month period.
(basis: Cumulative Increase)

New Permit Condition 27823 (for Startup Issuance)

Condition no. 25478
Tanks is exempt in by Rodeo Renewed Project, Application 31157 (2022)

~~1. The total throughput of gas oil at S261 shall not exceed 5.476 million barrels in any rolling continuous 12 month Period. The tank shall only store gas oil, naphtha, or distillate oil. [Cumulative Increase].~~ Deleted, exempt tank.

2. The owner/operator shall operate S261 with closed, gasketed covers on all tank openings except pressure

relief valves and vacuum breaker valves. The owner/operator shall equip S261 with a BAAQMD approved roof with liquid mounted primary seal that meets the design criteria of BAAQMD Regulation 8-5-321.3 and secondary seal that meets the design criteria of BAAQMD Regulation 8-5-322.5. The owner/operator shall ensure that there are no ungasketed roof penetrations, no slotted pipe guide poles unless equipped with float and wiper seals, and no adjustable roof legs unless fitted with vapor seal boots or equivalent. [Cumulative increase]

~~3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase].~~ Deleted, exempt tank.

COND# 26069 ----------

For Source S-324 (Oil/Water Separator)

1. The owner/operator shall not allow emissions from A-53 to exceed the following emission limits: NOx 0.64 lb/hour, CO 1.7 lb/hour. The owner/operator shall operate A-53 to meet the following VOC destruction efficiency requirements:
   a. A-53 outlet VOC concentration of 10 ppmv or less; or
   b. All of the following standards depending on the applicable A-53 inlet VOC concentration:
   c. VOC destruction efficiency >= 98.5% if A-53 inlet VOC concentration > 2,000 ppmv;
   d. VOC destruction efficiency >= 97% if A-53 inlet VOC concentration <= 2,000 ppmv;

   (basis: Cumulative Increase, Regulation 8-8-302.3)

2. The owner/operator shall operate A-53 to be at least 1400 degrees F. The District may adjust this minimum temperature, if source test data demonstrates that an alternate temperature is necessary for or capable of maintaining compliance with Part 2 above. (basis: Cumulative Increase)

3. The temperature limit in Part shall not apply during an "Allowable Temperature Excursion", provided that the temperature controller setpoint complies with the temperature limit. An Allowable Temperature Excursion is one of the following:
   a. A temperature excursion not exceeding 20 degrees F; or
   b. A temperature excursion for a period or periods which when combined are less than or equal to 15

minutes in any hour; or

c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met.

i. the excursion does not exceed 50 degrees F;

ii. the duration of the excursion does not exceed 24 hours; and

iii. the total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period). Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour period shall be counted as one excursion toward the 12-excursion limit. (basis: Regulation 2-1-403)

4. For each Allowable Temperature Excursion that exceeds 20 degrees F and 15 minutes in duration, the Permit Holder shall keep sufficient records to demonstrate that they meet the qualifying criteria described above. Records shall be retained for a minimum of five years from the date of entry, and shall be made available to the District upon request. Records shall include at least the following information:

a. Temperature controller setpoint;

b. Starting date and time, and duration of each Allowable Temperature Excursion;

c. Measured temperature during each Allowable Temperature Excursion;

d. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and

e. All strip charts or other temperature records.

(basis: Regulation 2-1-403)

5. To determine compliance with the temperature requirement in these permit conditions, the owner/operator of A-53 shall be equipped with a temperature measuring device capable of continuously measuring and recording the temperature in A-53. The owner/operator shall install, and maintain in accordance with manufacturer's recommendations, a temperature measuring device that meets the following criteria: the minimum and maximum measurable temperatures with the device are 200 degrees F and 1900 degrees F, respectively, and the minimum accuracy of the device over this temperature range shall be 1.0 percent of full-scale.

(basis: Cumulative Increase)

6. Within 90 days of startup of A-53, the owner/operator

shall conduct District approved source tests to determine initial compliance with the limits in part 2. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. (basis: Cumulative Increase)

7. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing.
(basis: Cumulative Increase)

8. The owner/operator of A-53 shall maintain records of hours of operation, oxidizer temperature, and source test results in a District approved log for at least 5 years from the date of entry. These records shall be made available to District staff upon request.
(basis: Cumulative Increase, Recordkeeping)

New Permit Condition 27820 (for AC Issuance)

Condition no. 26689

Amended by Renewed Fuel Project, Application 31157 (2022)

1. The owner/operator of S-126 shall ensure that following total throughput limits are not exceeded: ~~in any rolling consecutive 12 month period:~~
   594,845 barrels of ~~petroleum~~ gasoline, naphtha and/or renewable naphtha~~, and/or organic liquids~~combined in any consecutive rolling 12-month period; and/or 28,800 barrels of gasoline and/or renewable naphtha combined in any calendar day.~~.~~
   [Basis: Cumulative Increase]

2. The owner/operator shall only store the following in S-126:
   ~~Petroleum~~ Organic liquids with a reid vapor pressure less than or equal to 9 psia.
   [Basis: Cumulative Increase]

3. ~~Monthly records of the throughput of each material and its vapor pressure processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request.
   [Basis: Cumulative Increase]~~ Deleted, recordkeeping is replaced by Part 5 in A/N 31157

4. The owner/operator of S-126 may use an alternate material(s) other than the specific materials specified in Part 1 and/or usages in excess of those specified in Part 1, provided that the owner/operator can demonstrate that all of the following are satisfied:

   a. Total POC emissions ~~combined~~ from S-126 shall not exceed 1.682 tons in any consecutive twelve month period;

   b. Total POC ~~and/or NPOC~~ emissions ~~combined~~ from S-126 shall not exceed 9.2 pounds in any calendar day;

   c. Total NPOC emissions from S-126 shall be zero in any calendar day and/or in any consecutive twelve month period;

   d. The use of these materials does not increase toxic emissions equal to or above any risk screening trigger level of Table 2-5-1 in Regulation 2-5. (Basis: Cumulative Increase; Toxics)

5. To determine compliance with the above parts, the owner/operator of S-126 shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:

   a. Quantities, vapor pressures, and emission calculations of each type of material stored at S-126 on a daily basis.

   b. If a material other than those specified in Part 1 is used, POC, NPOC, and/or toxic component contents of each material used; and mass emission calculations to demonstrate compliance with Part 4 on a daily basis;

   c. daily throughput and/or emission calculations shall be totaled for each consecutive twelve month period.

   All records shall be retained on-site at least for five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase; Toxics)

New Permit Condition 27821(for AC Issuance)

Condition no. 26690
Amended by Rodeo Renewed Project, Application 31157 (2022)

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1. The owner/operator of S-341 shall ensure that following total throughput limits are not exceeded: ~~in any rolling consecutive 12 month period:~~ 1,819,583 barrels of gasoline and/or renewable jet combined in any consecutive rolling 12-month period; and/or 12,000 barrels of gasoline and/or renewable jet combined in any calendar day.

~~petroleum liquids.~~
   [Basis: Cumulative Increase]

2. The owner/operator shall only store the following in S-341:
   ~~Petroleum~~ Organic liquids with a true vapor pressure less than or equal to 3.0 psia.
   [Basis: Cumulative Increase]

3. ~~Monthly records of the throughput of each material and its vapor pressure processed at this tank shall be kept in a District-approved log for at least 5 years and~~

~~shall be made available to the District upon request.~~

~~[Basis: Cumulative Increase.~~ Deleted, recordkeeping is replaced by Part 5 in A/N 31157

4. The owner/operator of S-341 may use an alternate material(s) other than the specific materials specified in Part 1 and/or usages in excess of those specified in Part 1, provided that the owner/operator can demonstrate that all of the following are satisfied:
   a. Total POC emissions ~~combined~~ from S-341 shall not exceed 1.380 tons in any consecutive twelve month period;
   b. Total POC emissions ~~combined~~ from S-341 shall not exceed 7.6 pounds in any calendar day;
   c. Total NPOC emissions from S-341 shall be zero in any calendar day and/or in any consecutive twelve month period;
   d. The use of these materials does not increase toxic emissions equal to or above any risk screening trigger level of Table 2-5-1 in Regulation 2-5. (Basis: Cumulative Increase; Toxics)

   ~~When storing organic liquids that haven't been specified above, this part shall be used to demonstrate compliance.~~

5. To determine compliance with the above parts, the owner/operator of S-341 shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:
   a. Quantities, vapor pressures, and emission calculations of each type of material stored at S-341 on a daily basis.
   b. If a material other than those specified in Part 1 is used, POC, NPOC and/or toxic component contents of each material used; and mass emission calculations to demonstrate compliance with Part 4 on a daily basis;
   c. daily throughput and/or emission calculations shall be totaled for each consecutive twelvemonth period.

   All records shall be retained on-site for at least five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase; Toxics)

New Permit Condition 27822 (for AC Issuance)

Condition no. 26691

Amended by Rodeo Renewed Project, Application 31157 (2022)

1. The owner/operator of S-342 shall ensure that following total throughput limits are not exceeded ~~in any rolling consecutive 12 month period:~~2,407,700 barrels of gasoline and/or renewable jet combined in any consecutive rolling 12-month period; and/or 12,000 barrels of gasoline, and/or renewable jet combined in any calendar day.

   ~~petroleum liquids~~

   [Basis: Cumulative Increase]

2. The owner/operator shall only store the following in S-342:

   ~~Petroleum~~ Organic liquids with a true vapor pressure less than or equal to 0.5 psia.

[Basis: Cumulative Increase]

3. ~~Monthly records of the throughput of each material and its vapor pressure processed at this tank shall be kept in a District- approved log for at least 5 years and shall be made available to the District upon request. [Basis: Cumulative Increase]~~ Deleted, recordkeeping is replaced by Part 5 in A/N 31157

4. The owner/operator of S-342 may use an alternate material(s) other than the specific materials specified in Part 1 and/or usages in excess of those specified in Part 1, provided that the owner/operator can demonstrate that all of the following are satisfied:
   a. Total POC emissions ~~combined~~ from S-342 shall not exceed 0.394 tons in any consecutive twelve month period;
   b. Total POC emissions ~~combined~~ from S-342 shall not exceed 2.2 pounds in any calendar day;
   c. Total NPOC emissions from S-342 shall be zero in any calendar day and/or in any consecutive twelve month period;
   d. The use of these materials does not increase toxic emissions equal to or above any risk screening trigger level of Table 2-5-1 in Regulation 2-5. (Basis: Cumulative Increase; Toxics)

5. To determine compliance with the above parts, the owner/operator of S-342 shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:
   a. Quantities, vapor pressures, and emission calculations of each type of material stored at S-342 on a daily basis.
   b. If a material other than those specified in Part 1 is used, POC, NPOC and/or toxic component contents of each material used; and mass emission calculations to demonstrate compliance with Part 4 on a daily basis;
   c. daily throughput and/or emission calculations shall be totaled for each consecutive twelvemonth period.

   All records shall be retained on-site for five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase; Toxics)