



AUG 18 2011

Gerardo C. Rios, Chief
Permits Office
Air Division
U.S. EPA - Region IX
75 Hawthorne St
San Francisco, CA 94105

Re: **Notice of Minor Title V Permit Modification**
District Facility # S-2234
Project # 1113714

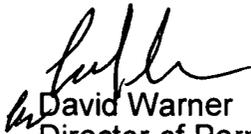
Dear Mr. Rios:

Enclosed for you to review is an application for minor Title V permit modification for the facility identified above. Occidental of Elk Hills, Inc. is proposing a Title V minor permit modification to incorporate the recently issued Authorities to Construct S-2234-143-0, 143-1, 175-0, 200-0, 201-0, 202-0 and 203-0 into the Title V operating permit. Occidental has proposed to install 5 electric motor driven compressor skids and one gas dehydration system.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authorities to Construct S-2234-143-0, 143-1, 175-0, 200-0, 201-0, 202-0 and 203-0, emission increases, application, and previous Title V permit. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive this letter.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Leonard Scandura at (661) 392-5500.

Sincerely,



David Warner
Director of Permit Services

Enclosures

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
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Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585



AUG 18 2011

Dennis Champion
Occidental of Elk Hills, Inc.
10800 Stockdale Highway
Bakersfield, CA 93311

**Re: Notice of Minor Title V Permit Modification
District Facility # S-2234
Project # 1113714**

Dear Mr. Champion:

Enclosed is the District's analysis of your application for minor Title V permit modification for the facility identified above. You proposed a Title V minor permit modification to incorporate recently issued Authorities to Construct S-2234-143-0, 143-1, 175-0, 200-0, 201-0, 202-0 and 203-0 into the Title V operating permit. Occidental has proposed to install 5 electric motor driven compressor skids and one gas dehydration system.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authorities to Construct S-2234-143-0, 143-1, 175-0, 200-0, 201-0, 202-0 and 203-0, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Leonard Scandura at (661) 392-5500.

Sincerely,



David Warner
Director of Permit Services

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Title V Application Review

Minor Modification

Facility ID: S-2234
Project: S-1113714

Date: August 8, 2011
Engineer: Steve Roeder
Lead Engineer: Richard Karrs

Facility Name: Occidental of Elk Hills, Inc.
Mailing Address: 10800 Stockdale Highway
Bakersfield, CA 93311

RWK

8-17-11

Contact Name: Dennis Champion
Telephone: (661) 412-5214
Fax: (661) 412-5270
email: dennis_champion@oxy.com

Responsible Official: Armando Gonzalez
Title: Manager of Health, Environment, Safety and Security

I. PROPOSAL

Occidental of Elk Hills (Oxy) is proposing Title V minor permit modifications to incorporate the recently issued ATCs S-2234-143-0, 143-1, 175-0, 200-0, 201-0, 202-0 and 203-0 into their Title V operating permit.

The following table identifies each piece of equipment by permit number, the original project number, whether the equipment is new or modified, and the basic nature of the modification if applicable.

ATC Permit Number	ATC Project	Final Permit Number	Equipment	Modification
S-2234-143-0	S-1033015	S-2234-143-3	Electric Motor Driven Compressor Skid K-104	New
S-2234-143-1	S-1050609	S-2234-143-4	Electric Motor Driven Compressor Skid K-104	Clarify when compressor can be used with other equipment
S-2234-175-0	S-1062951	S-2234-175-2	Gas Dehydration System @ 35R gas plant	New
S-2234-200-0	S-1085183	S-2234-200-2	Electric Motor Driven Compressor Skid R-22	New
S-2234-201-0	S-1085183	S-2234-201-2	Electric Motor Driven Compressor Skid K-107	New
S-2234-202-0	S-1085183	S-2234-202-2	Electric Motor Driven Compressor Skid K-55	New
S-2234-203-0	S-1085183	S-2234-203-2	Electric Motor Driven Compressor Skid K-56	New

The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with the applicable requirements and to provide the legal and factual basis for the proposed revisions.

II. FACILITY LOCATION

The equipment is located in Oxy's Gas Processing Plant in Section 35, Township 30S, Range 23E near Tupman, CA.

III. EQUIPMENT DESCRIPTIONS

S-2234-143-0 ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-104)
 AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED
 LOCATIONS WITHIN THE GAS PROCESSING STATIONARY
 SOURCE

- S-2234-143-1 MODIFICATION OF ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-104) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE: CLARIFY WHEN COMPRESSOR SKID MAY BE USED IN CONJUNCTION WITH OTHER EQUIPMENT
- S-2234-175-0 GAS DEHYDRATION SYSTEM INCLUDING; INLET GAS COALESCERS, MOLECULAR SIEVE DRYER BEDS, REGENERATION AND DRY GAS COOLERS, AND ELECTRIC MOTOR REGENERATION GAS COMPRESSOR (35R GAS PLANT)
- S-2234-200-0 ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (R-22) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE
- S-2234-201-0 ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-107) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE
- S-2234-202-0 ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-55) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE
- S-2234-203-0 ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-56) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE

IV. SCOPE OF EPA AND PUBLIC REVIEW

This change to a Title V permit is considered to be a minor modification and, as such, requires public review.

V. APPLICABLE REQUIREMENTS

District Rule 2520, Federally Mandated Operating Permits (Adopted June 21, 2001)

VI. DESCRIPTION OF PROPOSED MODIFICATIONS

Oxy has proposed to install 5 compressor skids and one gas dehydration plant. None of these were processed with a COC and therefore a minor modification is required.

Oxy then proposed to modify the compressor skid S-2234-143-1 to specify when it could be used with other equipment. This project was not processed with a COC, and therefore a minor modification is required.

Since units S-2234-143-0, 175-0, 200-0, 201-0, 202-0 and 203-0 are new, permit mapping is not applicable.

Since unit S-2234-143-1 will be converted to a permit immediately after the conversion of S-2234-143-0, the intermediate permit (S-2234-143-0) will not be issued, and therefore, permit mapping for that unit is not necessary.

However, for completeness, the original condition number 5 (on 143-0) was changed from:

5. Compressor skid shall only be used in conjunction with gas processing operations. Compressor skid shall not be used in conjunction with oil and gas production operations including but not limited to the following: thermally enhanced oil recovery (TEOR) operations, well vent vapor control systems, tank vapor control systems, air enhanced crude oil production operations, or nitrogen enhanced crude oil production operations. [District Rule 2201]

To (143-1):

5. Compressor skid shall only be used in conjunction with gas processing operations where gas is routed to a gas plant, sales line, or gas injection well. Compressor skid shall not be used as part of a permitted operation without first obtaining an Authority to Construct to modify the operation to include the compressor skid. [District Rule 2201]

Please see the proposed draft permits for all units in Appendix A.

VII. COMPLIANCE

In accordance with Rule 2520, 3.20, these modifications:

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;

2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or conditions;
3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include;
 - a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
 - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and
5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
6. Do not seek to consolidate overlapping applicable requirements.

In accordance with Rule 2520, the application meets the procedural requirements of section 11.4 by including;

1. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
2. The source's suggested draft permit; and
3. Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used.

VIII. ATTACHMENTS

- A. Proposed Modified Title V Operating Permit No. S-2234-143-4, 175-2, 200-2, 201-2, 202-2 and 203-2
- B. ATCs S-2234-143-0, 143-1, 175-0, 200-0, 201-0, 202-0, and 203-0
- C. Emissions Increases
- D. Application with Compliance Certification Form
- E. Previous Title V Operating Permit No.'s (There are no previous TV Permits)

ATTACHMENT A
Proposed TV Operating Permits

San Joaquin Valley
Air Pollution Control District

WILL NOT BE ISSUED

PERMIT UNIT: S-2234-143-3

EXPIRATION DATE: 10/31/2009

EQUIPMENT DESCRIPTION:

ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-104) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE

PERMIT UNIT REQUIREMENTS

1. Operator shall notify the District by letter or fax at least 48-hours in advance of the re-location of this compressor skid. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Operator shall maintain records of compressor skid location and dates spent at each location and make such records available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Compressor skid shall not operate within 1,000 feet of a kindergarten through 12 grade school. [CH&SC Section 42301.6] Federally Enforceable Through Title V Permit
4. Compressor skid shall only be used in conjunction with gas processing operations. Compressor skid shall not be used in conjunction with oil and gas production operations including but not limited to the following: thermally enhanced oil recovery (TEOR) operations, well vent vapor control systems, tank vapor control systems, air enhanced crude oil production operations, or nitrogen enhanced crude oil production operations. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall maintain accurate component count for compressor skid according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Fugitive VOC emissions from compressor skid shall be less than 0.35 lb/ day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rules 2201] Federally Enforceable Through Title V Permit
8. VOC content of the gas stream processed shall be tested upon implementation of this Authority to Construct and thereafter not less than annually. [District Rule 2201] Federally Enforceable Through Title V Permit
9. VOC content of gas shall be determined by ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Permittee shall maintain a record of the VOC content test results. [District Rule 2201] Federally Enforceable Through Title V Permit
11. There shall be no leaks from fugitive components in liquid service greater than three (3) drops per minute. [District Rules 2201 and 4403] Federally Enforceable Through Title V Permit
12. All piping, connectors, valves, seals, and fittings shall be constructed and maintained in a gas-tight condition. [District Rule 2201 and 4403] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

13. A gas-tight condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201 and 4403] Federally Enforceable Through Title V Permit
14. All piping, connectors, valves, seals, and fittings shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired upon detection. [District Rule 2201 and 4403] Federally Enforceable Through Title V Permit
15. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Leaks over 10,000 ppmv shall be reported as a deviation. [District Rule 2201 and 4403] Federally Enforceable Through Title V Permit
16. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2234-143-4

EXPIRATION DATE: 10/31/2009

EQUIPMENT DESCRIPTION:

ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-104) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE

PERMIT UNIT REQUIREMENTS

1. Operator shall notify the District by letter or fax at least 48-hours in advance of the re-location of this compressor skid. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Operator shall maintain records of compressor skid location and dates spent at each location and make such records available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Compressor skid shall not operate within 1,000 feet of a kindergarten through 12 grade school. [CH&SC Section 42301.6] Federally Enforceable Through Title V Permit
4. Compressor skid shall only be used in conjunction with gas processing operations where gas is routed to a gas plant, sales line, or gas injection well. Compressor skid shall not be used as part of a permitted operation without first obtaining an Authority to Construct to modify the operation to include the compressor skid. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall maintain accurate component count for compressor skid according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Fugitive VOC emissions from compressor skid shall be less than 0.35 lb/ day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rules 2201] Federally Enforceable Through Title V Permit
8. VOC content of the gas stream processed shall be tested upon implementation of this Authority to Construct and thereafter not less than annually. [District Rule 2201] Federally Enforceable Through Title V Permit
9. VOC content of gas shall be determined by ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Permittee shall maintain a record of the VOC content test results. [District Rule 2201] Federally Enforceable Through Title V Permit
11. There shall be no leaks from fugitive components in liquid service greater than three (3) drops per minute. [District Rules 2201 and 4403] Federally Enforceable Through Title V Permit
12. All piping, connectors, valves, seals, and fittings shall be constructed and maintained in a gas-tight condition. [District Rule 2201 and 4403] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

13. A gas-tight condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201 and 4403] Federally Enforceable Through Title V Permit
14. All piping, connectors, valves, seals, and fittings shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired upon detection. [District Rule 2201 and 4403] Federally Enforceable Through Title V Permit
15. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Leaks over 10,000 ppmv shall be reported as a deviation. [District Rule 2201 and 4403] Federally Enforceable Through Title V Permit
16. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2234-175-2

EXPIRATION DATE: 10/31/2009

EQUIPMENT DESCRIPTION:

GAS DEHYDRATION SYSTEM INCLUDING; INLET GAS COALESCERS, MOLECULAR SIEVE DRYER BEDS, REGENERATION AND DRY GAS COOLERS, AND ELECTRIC MOTOR REGENERATION GAS COMPRESSOR (35R GAS PLANT)

PERMIT UNIT REQUIREMENTS

1. Permittee shall maintain an accurate, as-built, fugitive component count of components which are in VOC service (greater than 10% VOC by weight) and resultant emissions calculated using emission factors from "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c. Oil and Gas Production Screening Value Ranges Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit
2. VOC emission rate from components in VOC service (>10% VOC by weight) associated with this emission unit shall be less than 0.7 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
3. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
4. VOC content of the gas stream in VOC service (> 10% VOC by weight) shall be tested and recorded not less than every 12 month thereafter using methods ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
5. There shall be no leaks exceeding 10,000 ppmv VOCs. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The permittee shall not use any components that leak in excess of the applicable leak standards as specified in District Rule 4409. Components that have been found leaking in excess of the applicable leak standards of Rule 4409 this rule may be used provided such leaking components have been identified with a tag for repair, are repaired, or are awaiting re-inspection after being repaired, within the applicable time period specified in Rule 4409. [District Rule 4409, 5.1.1] Federally Enforceable Through Title V Permit
7. Each hatch shall be closed at all times except during sampling or adding of process material through the hatch or during attended repair replacement or maintenance operations provided such activities are done as expeditiously as possible and with minimal spillage of material and VOC emissions to the atmosphere. [District Rule 4409, 5.1.2] Federally Enforceable Through Title V Permit
8. For valves, threaded connections, flanges, pipes, pumps, compressors, and other components not specified in this permit; a major gas leak is a detection of > 10,000 ppmv as methane; a minor gas leak is a detection of 1,000 to 10,000 ppmv as methane when the component is in liquid service; a minor gas leak is a detection of 2,000 to 10,000 ppmv as methane when the component is in gas/vapor service. [District Rule 4409, 5.1.1] Federally Enforceable Through Title V Permit
9. For pressure relief devices (PRDs); a major gas leak is a detection of > 10,000 ppmv as methane; a minor gas leak is a detection of 200 to 10,000 ppmv as methane when the component is in liquid service; a minor gas leak is a detection of 400 to 10,000 ppmv as methane when the component is in gas/vapor service. [District Rule 4409, 5.1.1] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

10. Minor gas leaks from PRSBs detected during any District inspection shall not be counted toward determination of compliance with this rule provided the permittee repairs, replaces, or removes leaking PRSBs from VOC service as soon as practicable but not later than seven calendar days. [District Rule 4409, 5.1.3.1.2] Federally Enforceable Through Title V Permit
11. Leaks detected during quarterly operator inspections shall not be counted towards determination of compliance with the provisions of Rule 4409 provided the leaking components are repaired as soon as practicable but not later than the time frame specified in this permit. Leaks detected during quarterly operator inspections that are not repaired, replaced, or removed from operation as soon as practicable but not later than the time frame specified in this rule shall be counted toward determination of compliance with the provisions of Rule 4409. [District Rule 4409, 5.1.3.2.1 and 5.1.3.2.2] Federally Enforceable Through Title V Permit
12. Leaking components at this facility detected during annual operator inspections, as required by Rule 4409 for a specific component type, that exceed the leak standards specified in this permit, shall constitute a violation of this rule. This violation is regardless of whether or not the leaking components are repaired, replaced, or removed from operation within the allowable repair time frame specified in this permit. [District Rule 4409, 5.1.3.2.3] Federally Enforceable Through Title V Permit
13. An open-ended line, or a valve located at the end of the line, that is not sealed with either a blind flange, a plug, a cap, or a second closed valve that is not closed at all times, except during attended operations requiring process fluid flow through the open-ended line is a leak. Attended operations include draining or degassing operations, connection of temporary process equipment, sampling of process streams, emergency venting, and other normal operational needs, provided such operations are done as expeditiously as possible and with minimal spillage of material and VOC emissions to the atmosphere. [District Rule 4409, 5.1.4.1] Federally Enforceable Through Title V Permit
14. A leak from a component is when there is a major liquid leak from the component. A major liquid leak from a component is when a visible mist or a continuous flow of liquid, that is not seal lubricant, leaks from the component. [District Rule 4409, 5.1.4.2] Federally Enforceable Through Title V Permit
15. A leak from a component is when gas emissions greater than 50,000 ppmv, as methane, leaks from the component. [District Rule 4409, 5.1.4.3] Federally Enforceable Through Title V Permit
16. A minor liquid leak from a component is when more than three drops of liquid per minute, that is not seal lubricant and is not a major liquid leak, leaks from the component. [District Rule 4409, 5.1.4.4] Federally Enforceable Through Title V Permit
17. When 200 or fewer valves are inspected, a leak from a valve is when more than one valve has a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. When greater than 200 valves are inspected, a leak from a valve is when more than 0.5 % (rounded up to the nearest whole number) of the valves have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4] Federally Enforceable Through Title V Permit
18. When 200 or fewer threaded connections are inspected, a leak from a threaded connection is when more than one threaded connection has a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. When greater than 200 threaded connections are inspected, a leak from a threaded connection is when more than 0.5 % (rounded up to the nearest whole number) of the threaded connections have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4] Federally Enforceable Through Title V Permit
19. When 200 or fewer flanges are inspected, a leak from a flange is when more than one flange has a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. When greater than 200 flanges are inspected, a leak from a flange is when more than 0.5 % (rounded up to the nearest whole number) of the flanges have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

20. When 200 or fewer pumps are inspected, a leak from a pump is when more than two pumps have a minor liquid leak, a minor gas leak, or a gas leak greater than 10,000 ppmv and less than or equal to 50,000 ppmv. When greater than 200 pumps are inspected, a leak from a pump is when more than 1.0 % (rounded up to the nearest whole number) of the pumps have a minor liquid leak, a minor gas leak, or a gas leak greater than 10,000 ppmv and less than or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4] Federally Enforceable Through Title V Permit
21. When compressors, PRDs, or other components not specified in this permit are inspected, a leak from these components is when more than one component has a minor liquid leak, a minor gas leak, or a gas leak greater than 10,000 ppmv and less than or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4] Federally Enforceable Through Title V Permit
22. When 200 or fewer PRSBs are inspected, a leak is when more than four have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. When greater than 200 PRSBs are inspected, a leak is when more than 2.0 % (rounded up to the nearest whole number) of the PRSBs have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4] Federally Enforceable Through Title V Permit
23. When 200 or fewer wells at light crude oil or gas production facilities are inspected, a leak from a pipe is when more than two or more pipes have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. When greater than 200 wells at light crude oil or gas production facilities are inspected, a leak from a pipe is when more than 1.0 % (rounded up to the nearest whole number) of the pipes have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4] Federally Enforceable Through Title V Permit
24. When pipes at natural gas processing facilities are inspected, a leak from a pipe is when more than two have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4] Federally Enforceable Through Title V Permit
25. For manned facilities all accessible operating pumps, compressors, and PRDs, in service, shall be audio-visually inspected for leaks at least once every 24 hours except when operators do not report to the facility during a 24 hour period. [District Rule 4409, 5.2.1] Federally Enforceable Through Title V Permit
26. For unmanned facilities all accessible operating pumps, compressors, and PRDs, in service, shall be audio-visually inspected for leaks at least once per calendar week. [District Rule 4409, 5.2.2] Federally Enforceable Through Title V Permit
27. Any audio visual inspection of all accessible operating pumps, compressors and PRDs performed by an operator that indicate a leak that cannot be immediately repaired to meet the applicable leak standards of Rule 4409, shall be inspected not later than 24 hours after conducting the audio visual inspection. If the leak is found, the leak shall be repaired as soon as practical but not later than the time frame specified in Rule 4409. [District Rule 4409, 5.2.3] Federally Enforceable Through Title V Permit
28. Except for inaccessible components, unsafe-to-monitor components, or pipes, all components, in service, shall be tested for leaks at least once every calendar quarter. [District Rule 4409, 5.2.4] Federally Enforceable Through Title V Permit
29. All new, replaced, or repaired fittings, flanges, and threaded connections shall be tested for leaks immediately after being placed into service. [District Rule 4409, 5.2.5] Federally Enforceable Through Title V Permit
30. All inaccessible components shall be tested for leaks at least once every 12 months. [District Rule 4409, 5.2.6] Federally Enforceable Through Title V Permit
31. All unsafe-to-monitor components shall be tested for leaks during each turnaround. [District Rule 4409, 5.2.7] Federally Enforceable Through Title V Permit
32. All pipes shall be visually inspected for leaks at least once every 12 months. [District Rule 4409, 5.2.8] Federally Enforceable Through Title V Permit

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33. Any visual inspection of pipes that indicate a leak that cannot be immediately repaired to meet the applicable leak standards of Rule 4409, shall be inspected not later than 24 hours after conducting the audio visual inspection. If a leak is found, the leak shall be repaired as soon as practical but not later than the time frame specified in Rule 4409. [District Rule 4409, 5.2.8.1] Federally Enforceable Through Title V Permit
34. The annual pipe inspection required by either the Department of Oil, Gas, and Geothermal Resources (DOGGR) pursuant to California Code of Regulation Title 14, Division 2, Subchapter 2, Section 1774 (Oilfield Facilities and Equipment Maintenance), or by the Spill Prevention Control and Countermeasure Plan (SPCC) pursuant to 40 Code of Federal Regulation Part 112 (Oil Prevention and Response: Non- Transportation-Related Onshore and Offshore Facilities) can be used as the annual pipe inspection required by District Rule 4409. [District Rule 4409, 5.2.8.2] Federally Enforceable Through Title V Permit
35. Except for pumps, compressors, and PRDs, the permittee may apply for written approval from the District to change the inspection frequency of accessible components from quarterly to annually for a specific component type provided the following two qualifying requirements are met. During the previous five consecutive quarterly inspections, for the specific component type, there shall be no more leaks than as allowed by this permit. The permittee also shall not have received a Notice of Violation (NOV) from the District during the previous 12 months for violating any provisions of District Rule 4409 for the specific component type. If these two qualifying requirements have not been met, then the inspection frequency shall revert back to quarterly. The written request shall include pertinent documentation to demonstrate that the operator has successfully met the two qualifying requirements. [District Rule 4409, 5.2.9 and 5.2.10] Federally Enforceable Through Title V Permit
36. The permittee shall notify the District in writing within five calendar days after changing the inspection frequency for a specific component type. The written notification shall include the reason(s) and date of change to a quarterly inspection frequency. [District Rule 4409, 5.2.11] Federally Enforceable Through Title V Permit
37. Except as otherwise provided by District Rule 4409 for inaccessible components or unsafe to monitor components, PRDs that releases to the atmosphere shall be inspected for leaks as soon as practicable but not later than 24 hours after the time of the release. The permittee shall re-inspect the PRD for leaks not earlier than 24 hours after the initial inspection but not later than 15 calendar days after the date of the initial release. If the PRD is found by the permittee to be leaking during either inspection, the PRD leak shall be treated as if the leak was found during the required quarterly operator inspections. [District Rule 4409, 5.2.12] Federally Enforceable Through Title V Permit
38. Except for PRDs, a component shall be inspected for leaks not later than 15 calendar days after repairing the leak or replacing the component. [District Rule 4409, 5.2.13] Federally Enforceable Through Title V Permit
39. District inspections shall not be counted as an operator inspection required by District Rule 4409. Any attempt by an operator to count such District inspections as part of the operator's mandatory inspections is considered a willful circumvention of the rule and is a violation of this rule. [District Rule 4409, 5.2.14] Federally Enforceable Through Title V Permit
40. Upon detection of a leaking component (including those detected by audio-visual inspection), an operator shall affix to that component a weatherproof, readily visible tag, bearing the date and time when the leak was detected and the date and time of the leak measurement. For gaseous leaks, the tag shall indicate the leak concentration in ppmv. For liquid leaks, the tag shall indicate whether it is a major liquid leak or a minor liquid leak. The tag shall indicate, when applicable, whether the component is an essential component, an unsafe-to-monitor component, or a critical component. The tag shall remain in place until the leaking component is repaired or replaced and reinspected and found to be in compliance with the requirements of this rule. [District Rule 4409, 5.3.1] Federally Enforceable Through Title V Permit

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41. The operator shall minimize all component leaks immediately, to the extent possible, but not later than one hour after detection of the leak in order to stop or reduce leakage to the atmosphere. If the leak has been minimized but the leak still exceeds the applicable leak standards specified in District Rule 4409, the operator shall do one of the following: 1) repair or replace the leaking component within the applicable time frame specified in District Rule 4409; 2) vent the leaking component to a closed vent system as defined by District Rule 4409; 3) or remove the leaking component from operation. The leak rate measured after leak minimization has been performed shall be the leak rate used to determine the applicable repair period. The start of the repair period shall be the time of the initial leak detection. [District Rule 4409, 5.3.4 and 5.3.5] Federally Enforceable Through Title V Permit
42. The operator shall repair minor gas leaks within seven days. The operator shall repair major gas leaks, which are > 10,000 ppmv but < or equal to 50,000 ppmv, within three days. The operator shall repair major gas leaks, which are > 50,000 ppmv, within two days. The operator shall repair minor liquid leaks within three days. The operator shall repair major liquid leaks within two days. The leak rate measured after leak minimization has been performed shall be the leak rate used to determine the applicable repair period. The start of the repair period shall be the time of the initial leak detection. [District Rule 4409, 5.3.4 and 5.3.5] Federally Enforceable Through Title V Permit
43. For each calendar quarter, the operator may extend the repair period for a total number of leaking components, not to exceed 0.05 % of the number of components inspected, by type, rounded upward to the nearest whole number. The repair period for minor gas leaks can be extended by seven additional days. The repair period for major gas leaks, which are > 10,000 ppmv but < or equal to 50,000 ppmv, can be extended by two additional days. [District Rule 4409, 5.3.5] Federally Enforceable Through Title V Permit
44. If a leaking component is an essential component or a critical component and which cannot be shut down immediately for repairs, the operator shall do the following: 1) minimize the leak within one hour after detection of the leak; 2) and if the leak has been minimized, but the leak still exceeds the applicable leak standards of Rule 4409 as specified in this permit, the essential component or critical component shall be repaired or replaced to eliminate the leak during the next process unit turnaround. The repair shall occur no later than one year from the date of the original leak detection. [District Rule 4409, 5.3.6] Federally Enforceable Through Title V Permit
45. For any component that has incurred five repair actions for major gas leaks or major liquid leaks, or a combination of major gas leaks and major liquid leaks within a continuous 12-month period, the operator shall do one of the following four options. Options 1a through 1f require written notification to the District, option 2 requires written notification to the District and written District approval, options 3 and 4 do not require written notification to the District: 1a) For compressors replace the existing seal with either a dual mechanical seal, an oil film seal, a gas seal, or a face-type seal; 1b) for pumps replace the pump with a seal-less pump or replace the seal with a dual mechanical seal; 1c) for PRDs replace the PRD and install a rupture disc in the line which precedes the PRD such that the PRD is in series with and follows the rupture disc; 1d) for valves replace the valve with a sealed bellows valve, or for seal rings install graphite or Teflon chevron seal rings in a live-loaded packing gland; 1e) for threaded connections weld the connections or replace threaded connections with flanges; 1f) for sampling connections replace the sampling connection with a closed-loop sampling system; 2) Replace the component with Achieved-in-Practice Best Available Control Technology (BACT) equipment; 3) Vent the component to a District approved closed-vent system; 4) Remove the component from operation. For any component that is accessible, is not unsafe-to-monitor, is not an essential component, or is not a critical component, the operator shall comply with these requirements as soon as practicable but not later than twelve months after the date of detection of the fifth major leak within a continuous 12-month period. For any component that is inaccessible, is unsafe-to-monitor, is essential, or is a critical component, the operator shall comply with these requirements as soon as practicable but not later than the next turnaround or not later than two years after the date of detection of the fifth major leak within a continuous 12-month period, whichever comes first. [District Rule 4409, 5.3.7] Federally Enforceable Through Title V Permit
46. All major components and critical components shall be physically identified clearly and visibly for inspection, repair, and recordkeeping purposes. The physical identification shall consist of labels, tags, manufacturer's nameplate identifier, serial number, or model number, or other system approved by the District that enables an operator or the District to locate each individual component. The operator shall replace physical identifications that become missing or unreadable as soon as practicable but not later than 24 hours after discovery. [District Rule 4409, 5.4.1] Federally Enforceable Through Title V Permit

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47. The operator shall keep a copy of the District approved Operator Management Plan (OMP) at the facility and make it available to the District, ARB, and EPA upon request. [District Rule 4409, 6.1.2] Federally Enforceable Through Title V Permit
48. By January 30th of each year the operator shall submit to the District for approval, in writing, an annual report indicating any changes to the existing OMP on file at the District. [District Rule 4409, 6.1.4] Federally Enforceable Through Title V Permit
49. The operator shall maintain an inspection log that has been signed and dated by the facility operator responsible for the inspection, certifying the accuracy of the information recorded in the log. The inspection log shall contain, at a minimum, all of the following information: 1) The total number of components inspected, and the total number and percentage of leaking components found by component types; 2) The location, type, name or description of each leaking component and the description of any unit where the leaking component is found; 3) Date of the leak detection and method of the leak detection; 4) For gaseous leaks, record the leak concentration in ppmv, and for liquid leaks record whether the leak is a major liquid leak or a minor liquid leak; 5) The date of repair, replacement, or removal from operation of the leaking component(s); 6) The identification and location of essential components and critical components found leaking that cannot be repaired until the next process unit turnaround or not later than one year after leak detection, whichever comes first; 7) The method(s) used to minimize the leak from essential components and critical components found leaking that cannot be repaired until the next process unit turnaround or not later than one year after leak detection, whichever comes earlier; 8) The date of re-inspection and the leak concentration in ppmv after the component is repaired or is replaced; 9) The inspector's name, business mailing address, and business telephone number. [District Rule 4409, 6.2.1] Federally Enforceable Through Title V Permit
50. Records of leaks detected during quarterly or annual operator inspections, and each subsequent repair and re-inspection, shall be submitted to the District, ARB, and EPA upon request. [District Rule 4409, 6.2.2] Federally Enforceable Through Title V Permit
51. Records shall be maintained of each calibration of the portable hydrocarbon detection instrument utilized for inspecting components. The records shall include a copy of the current calibration gas certification from the vendor of the calibration gas cylinder, the date of calibration, the concentration of calibration gas, the instrument reading of calibration gas before adjustment, the instrument reading of calibration gas after adjustment, the calibration gas expiration date, and the calibration gas cylinder pressure at the time of calibration. [District Rule 4409, 6.2.3] Federally Enforceable Through Title V Permit
52. All records required by this permit shall be retained on-site for a minimum of five years and made available for District, ARB, and EPA inspection upon request. [District Rule 4409, 6.2.4] Federally Enforceable Through Title V Permit
53. For determining compliance with Rule 4409, all measurements of gaseous leak concentrations shall be conducted according to EPA Method 21 using an appropriate portable hydrocarbon detection instrument calibrated with methane. The instrument shall be calibrated in accordance with the procedures specified in EPA Method 21 or the manufacturer's instructions not more than 30 days prior to its use. [District Rule 4409, 6.3.1] Federally Enforceable Through Title V Permit
54. For determining compliance with Rule 4409, the VOC content by weight percent shall be determined using ASTM D-1945 for gases and South Coast Air Quality Management District (SCAQMD) Method 304-91 for liquids. [District Rule 4409, 6.3.2] Federally Enforceable Through Title V Permit
55. The percent by volume liquid evaporated at 302 degrees F (150 degrees C) shall be determined using ASTM D-86. [District Rule 4409, 6.3.3] Federally Enforceable Through Title V Permit
56. The TVP of any organic liquid shall be determined by measuring the Reid Vapor Pressure (RVP) using ASTM D-323, and converting the RVP to TVP at the maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures specified in Appendix A of District Rule 4409. [District Rule 4409, 6.3.4] Federally Enforceable Through Title V Permit
57. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM D-287 or ASTM 1298. Sampling for API gravity shall be performed in accordance with ASTM D-4057. [District Rule 4409, 6.3.5] Federally Enforceable Through Title V Permit

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58. The control efficiency of any VOC control device, measured and calculated as carbon, shall be determined by EPA Method 25, except when the outlet concentration must be below 50 ppm in order to meet the standard, in which case EPA Method 25a may be used. EPA Method 18 may be used in lieu of EPA Method 25 or EPA Method 25a provided the identity and approximate concentrations of the analytes/compounds in the sample gas stream are known before analysis with the gas chromatograph and the gas chromatograph is calibrated for each of those known analyte/compound to ensure that the VOC concentrations are neither under- or over-reported. [District Rule 4409, 6.3.6] Federally Enforceable Through Title V Permit
59. For determining compliance with Rule 4409, halogenated exempt compounds shall be analyzed by EPA Method 18 or ARB Method 422. [District Rule 4409, 6.3.7] Federally Enforceable Through Title V Permit
60. Equipment that is in vacuum service is exempt from the control and monitoring requirements and work practice standards of District Rule 4409 and applicable NSPS requirements, provided the equipment is identified as such in the Operator Management Plan. [District Rule District Rule 4409, 4.2.8 and 40 CFR 60.482-1(d)] Federally Enforceable Through Title V Permit
61. For determining compliance with applicable NSPS requirements, the test methods and procedures at 40 CFR 60.485 shall be used. Alternative test methods may be used subject to approval pursuant to 40 CFR 60.8. [40 CFR 60.8, 40 CFR 60.485] Federally Enforceable Through Title V Permit
62. For all components that are subject to applicable requirements of District Rule 4409 and are included in the operator management plan and that comply with the inspection, maintenance and repair requirements as specified by Rule 4409, a Title-V permit shield for applicable Rule 4409 requirements is granted. [District Rule 4409] Federally Enforceable Through Title V Permit
63. For all components that are subject to applicable NSPS requirements and are included in the permit unit addendum to the operator management plan and that comply with the applicable NSPS inspection, maintenance and repair requirements as specified by the terms and condition of this permit, a Title-V permit shield is granted for applicable requirements at 40 CFR 60, Subpart KKK. [District Rule 40 CFR 60, Subpart KKK] Federally Enforceable Through Title V Permit
64. If a vapor collection system or closed vent system is operated under a vacuum, it is exempt from the inspection requirements as specified in this permit unit. [District Rule 4409, 4.2.8 and 40 CFR 60.482-10(i)] Federally Enforceable Through Title V Permit
65. For open ended lines and open ended valves, subject to applicable NSPS, each open-ended valve or line shall be sealed with two (2) valves, a blind flange, a cap, or a plug at all times, except during operations requiring process fluid flow through the valve or line. Open ended lines and valves designed to open automatically in the event of an emergency are exempt from this requirement [40 CFR 60.482-6(a) and 40 CFR 60.482-6(d)] Federally Enforceable Through Title V Permit
66. For valves subject to applicable new source performance standards (NSPS), any valve in gas/vapor service or light liquid service that is designated in the Operator Management Plan as an unsafe-to-monitor valve is exempt from the monthly NSPS leak inspection requirements, provided: 1) the owner/operator demonstrates the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence, and 2) a written plan is adhered to that requires monitoring of the valve as frequently as practicable during safe-to-monitor times and at least annually and during shutdown. [40 CFR 60.482-7(g)] Federally Enforceable Through Title V Permit
67. For valves subject to applicable NSPS, any valve in gas/vapor service or light liquid service that is designated in the Operator Management Plan as a difficult-to-monitor (inaccessible) valve is exempt from the monthly NSPS leak inspection requirements, provided: 1) the owner/operator demonstrates the valve cannot be monitored without elevating the monitoring personnel more than 15 feet above a support surface, or that it is over 6 feet away from a platform, 2) the process unit within which the valve is located either becomes an affected facility through 40 CFR 60.14 or 60.15 or if the owner/operator designates less than 3.0% of the total number of valves as difficult-to-monitor, and 3) a written plan is adhered to that, requires monitoring of the valve at least annually and during shutdown. [40 CFR 60.482-7(h)] Federally Enforceable Through Title V Permit

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68. Any components of the closed vent system that are designated as unsafe to inspect are exempt from the inspection requirements specified in this permit unit if the owner or operator complies with the following: 1) the owner or operator determines that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of complying with the inspection requirements; 2) the owner or operator identifies the components in the Operator Management Plan; 3) the owner or operator has a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times; and 4) inspection and required repair of the components is performed at least annually and during shutdown. [District Rule 4409, 5.3.7.5 and 40 CFR 60.482-10(j)] Federally Enforceable Through Title V Permit
69. For components subject to applicable NSPS, when a leak is detected, a weatherproof and readily visible tag shall be attached, bearing the equipment identification number and date which the leak is detected. The tag on a valve shall remain in place until after it has been monitored for 2 successive months and no leak has been detected. The tag on all other equipment may be removed after repair and re-inspection document compliance with the applicable NSPS. [40 CFR 60.486(b) and 60.635(b)(1)] Federally Enforceable Through Title V Permit
70. Any leak detected on the basis of sight, smell, or sound shall be identified by the operator affixing a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until repair and reinspection document compliance, whether or not operator inspection is otherwise required by this permit. [District Rule 4409, 5.3.3 and 5.3.3] Federally Enforceable Through Title V Permit
71. Any leaking component and any leak shall be repaired to a leak-free condition and reinspected within 15 calendar days. [40 CFR 60.482-7] Federally Enforceable Through Title V Permit
72. For components subject to applicable NSPS standards, except as otherwise provided by 40 CFR 60.482-9, any component leak shall be repaired to a leak-free condition, or vented to a flare satisfying the requirements of 40 CFR 60.18, or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 or EPA Method 18 within fifteen (15) calendar days of detection. A first attempt at repair shall be made no later than 5 calendar days after leak detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates necessary and sufficient actions are being taken to correct the leak within this time period. [40 CFR 60.482-2(c)(1) and (c)(2), 60.482-3(g), 60.482-7(d), 60.482-8(c), and 60.633(b)(3)] Federally Enforceable Through Title V Permit
73. For components subject to applicable NSPS, if the leaking component is an essential part of a critical process identified in the operator management plan and which cannot be immediately shut down for repairs, the operator shall minimize the leak within 15 calendar days. If the leak which has been minimized still exceeds the applicable NSPS standard, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than six months from the date of the original leak detection for pumps and one year from the date of the original leak detection for other components. Delay of repair is allowed for equipment which is isolated from the process and which does not remain in VOC service and delay of repair is allowed pursuant to 40 CFR 60.482-2(c)(1), 40 CFR 60.482-3(g)(1), 40 CFR 60.482-4(b)(1), 40 CFR 60.482-7(d)(1), 40 CFR 60.482-8(c)(1) [40 CFR 60.482-2(c)(1)]. [40 CFR 40 CFR 60.482-3(g)(1), 40 CFR 60.482-4(b)(1), 40 CFR 60.482-7(d)(1), 40 CFR 60.482-8(c)(1), 60.482-9(a) and (b)] Federally Enforceable Through Title V Permit
74. Delay of repair of a closed vent system for which leaks have been detected is allowed if the closed vent system is an essential part of a critical process identified in the operator management plan which cannot be immediately shut down for repairs or if the owner or operator determines that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair. However the operator shall minimize the leak within 15 calendar days. If the leak which has been minimized still exceeds the limit in this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. [40 CFR 60.482-9] Federally Enforceable Through Title V Permit

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75. For the purpose of determining compliance with District Rule 4409, the operator shall maintain an inspection log that has been signed and dated by the facility operator responsible for the inspection, certifying the accuracy of the information recorded in the log. The inspection log shall contain all of the following information: 1) The total number of components inspected, and the total number and percentage of leaking components found by component types; 2) The location, type, name or description of each leaking component and the description of any unit where the leaking component is found; 3) Date of the leak detection and method of the leak detection; 4) For gaseous leaks, record the leak concentration in ppmv, and for liquid leaks record whether the leak is a major liquid leak or a minor liquid leak; 5) The date of repair, replacement, or removal from operation of the leaking component(s); 6) The identification and location of essential components and critical components found leaking that cannot be repaired until the next process unit turnaround or not later than one year after leak detection, whichever comes first; 7) The method(s) used to minimize the leak from essential components and critical components found leaking that cannot be repaired until the next process unit turnaround or not later than one year after leak detection, whichever comes earlier; 8) The date of re-inspection and the leak concentration in ppmv after the component is repaired or is replaced; 9) The inspector's name, business mailing address, and business telephone number. [District Rule 4409, 6.2.1] Federally Enforceable Through Title V Permit
76. For the purpose of determining compliance with applicable NSPS, each operator shall maintain an inspection log for the components subject to NSPS inspection requirements that contains the following information: 1) instrument, operator, and equipment identification numbers; 2) date of leak detection; 3) dates and repair method of each attempt to repair the leak; 4) "above 10,000" if the maximum instrument reading after each repair attempt is equal to or greater than 10,000 ppm; 5) "repair delayed", reason for delay, signature of individual whose decision it was that repair could not be effected without a process shutdown, and expected date of successful repair if a leak is not repaired within 15 days of detection; 6) dates of process unit shutdown that occur while the equipment is unrepaired; 7) date of successful repair and emission level of recheck after leak is repaired. [District Rule 40 CFR 60.486(c) and 60.635(2)(i) through (ix)] Federally Enforceable Through Title V Permit
77. Each piece of equipment subject to requirements of this permit is presumed to be in VOC service or in wet gas service unless an owner or operator demonstrates that the piece of equipment is not in VOC service or in wet gas service. For a piece of equipment to be considered not in VOC service, it must be determined that the VOC content can be reasonably expected never to exceed 10.0 percent by weight. For a piece of equipment to be considered in wet gas service, it must be determined that it contains or contacts the field gas before the extraction step in the process. For purposes of determining the percent VOC content of the process fluid that is contained in or contacts a piece of equipment, procedures that conform to the methods described this permit shall be used. [40 CFR 60.485(d) and 60.632(f)] Federally Enforceable Through Title V Permit
78. Compliance the no detectable emission standards for this permit unit shall be determined as follows: 1) EPA Method 21 shall be followed, 2) Method 21 shall be used to determine the background level and all potential leak interfaces shall be traversed as close to the inter face as possible, and 3) the arithmetic difference between the maximum concentration indicated by the instrument and the background level is compared with 500 ppm to determine compliance. [40 CFR 60.485(c)] Federally Enforceable Through Title V Permit
79. For valves subject to applicable NSPS, if the operator elects to comply with the allowable percentage of leaking valves then for this permit unit, the operator shall notify the APCO 90 days before implementing these alternatives. [40 CFR 60.483-1(b)(1) and (d), 60.483-2(a)(2), and 60.487(d)] Federally Enforceable Through Title V Permit
80. For valves subject to applicable NSPS, if the allowable percentage of leaking valves is selected, then a performance test shall be conducted initially upon designation for allowable percentage of leaking valves, annually, and at other times requested by the APCO. The performance test shall be conducted as follows: 1) all valves in gas/vapor and light liquid service shall be monitored within 1 week using EPA Method 21 and 2) the leak percentage shall be determined by dividing the number of leaking valves detected and valves for which repair has been delayed by the number of valves in gas/vapor and light liquid service in this permit unit, 3) a record must be kept of the percent of valves found leaking during each leak detection period. [40 CFR 60.483-1(b)(2) and (c) and 60.483-2(b)(5) and (6)] Federally Enforceable Through Title V Permit

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81. For compressors subject to applicable NSPS, each compressor shall meet the applicable control system requirements of 40 CFR 482-3(a) - (i), except as otherwise provided by 40 CFR 60.482-1(c) and 40 CFR 60.482-3(h) and (i). [40 CFR 60.482-3(a) through (j)], 40 CFR 60.482-1(c), 40 CFR 60.482-3(h) and (i), and 40 CFR 60.633] Federally Enforceable Through Title V Permit
82. Compressors that are subject to applicable NSPS, are exempt from requirements of 40 CFR 60.482-3(a) and 40 CFR 60.482-3(b) if the compressor is equipped with a closed vent system to capture and transport leakage from the compressor drive shaft back to a process fuel gas system or a control device. Closed vent systems piping shall comply with applicable requirements at 40 CFR 60.482-10. Closed vent vapor recovery systems shall comply with design requirements at 40 CFR 60.482-10(b). Enclosed combustion devices used by closed vent system shall comply with design requirements at 40 CFR 60.482-10(c). Flares used by closed vent systems shall comply with requirements at 40 CFR 60.482-10(d). Closed vent system control devices shall comply with monitoring requirements at 40 CFR 60.482-10(e). [40 CFR 60.482-3, 40 CFR 60.482-10] Federally Enforceable Through Title V Permit
83. Compressors that are subject to applicable NSPS and are designated in the Operator Management Plan for no detectable leak emission, as indicated by an instrument reading of less than 500 ppm above background, is are exempt from the requirements of 40 CFR 482-3(a)-(h), provided the compressor is tested for compliance with no detectable emissions initially upon designation, annually, and at other times requested by the APCO. [40 CFR 60.482-3(i)] Federally Enforceable Through Title V Permit
84. When determining compliance with applicable NSPS, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected. [40 CFR 60.633(b)(2), 40482-7(a), (b), and (c)] Federally Enforceable Through Title V Permit
85. For open ended lines or valves subject to applicable NSPS, each open-ended valve or line equipped with a second valve shall be operated so that the valve on the process fluid end is closed before the second valve is closed. [40 CFR 60.482-6(b)] Federally Enforceable Through Title V Permit
86. For equipment subject to applicable NSPS when a double block-and-bleed system is being used, the bleed valve or line may remain open only during operations that require venting the line between the block valves. [40 CFR 60.482-6(c)] Federally Enforceable Through Title V Permit
87. Except as provided by applicable NSPS, valves that are subject to NSPS that are in gas/vapor service or light liquid service shall be monitored monthly to detect leaks using EPA Method 21. Any valve for which a leak is not detected for 2 successive months may be monitored the first month of every quarter. If a leak is subsequently detected, monitoring shall revert to monthly. [40 CFR 60.482-7(a), (b), and (c)] Federally Enforceable Through Title V Permit
88. Any valve in gas/vapor service or light liquid service that is designated in the equipment log list for no detectable leak emission, as indicated by an instrument reading of less than 500 ppm above background, is exempt from the monitoring requirements of 40 CFR 60.482-7(a), provided the valve: 1) has no external actuating mechanism in contact with the process fluid and 2) is tested for and meets compliance with no detectable leak emission initially upon designation, annually and at other times requested by the APCO. [40 CFR 60.482-7(f)] Federally Enforceable Through Title V Permit
89. For valves subject to applicable NSPS requirements, for a valve in gas/vapor service or light or heavy liquid service, first attempts at repair shall include the following where practicable: 1) tightening of bonnet bolts, 2) replacement of bonnet bolts, 3) tightening of packing gland nuts, and 4) injection of lubricant into lubricant packing. [40 CFR 60.482-7(e) and 60.482-8(d)] Federally Enforceable Through Title V Permit
90. For pumps and valves in heavy liquid service, pressure relief devices in light or heavy liquid service, and flanges and other connectors, that are subject to applicable NSPS requirements, if evidence of a potential leak is found by sight, sound, smell, or any other detection method then the device shall be monitored within 5 days for leak detection in accordance with EPA Method 21. A leak is detected if an instrument reading of 10,000 ppm or greater is measured. [40 CFR 60.482-8(a) and (b)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

91. In addition to the information required by Rule 4409, the operator management plan shall include an addendum for this permit unit containing the following applicable NSPS information: 1) list of identification numbers for equipment subject to the applicable NSPS requirements, 2) list of identification numbers for equipment which is designated for no detectable emissions and which is signed by the owner/operator, 3) list of equipment identification numbers for pressure relief devices which must be operated with no detectable emissions, 4) dates of each compliance test for emissions below 500 ppm, for all equipment subject to this no detectable emission limit and the background level measured and the maximum instrument reading measured at the equipment, during each test, and 5) list of identification numbers for equipment in vacuum service. [40 CFR 60.486(e) and 60.635(b)(2)(x)] Federally Enforceable Through Title V Permit
92. In addition to the information required by Rule 4409, the operator management plan shall include an addendum for this permit unit containing the following applicable NSPS information: for valves in gas/vapor service and light liquid service: 1) a list of identification numbers for valves designated "unsafe-to-monitor" and for valves designated "difficult-to monitor", 2) an explanation for each valve stating why it is so designated, and 3) the schedule for monitoring each such valve. [40 CFR 60.486(f)] Federally Enforceable Through Title V Permit
93. For valves subject to NSPS annual leak detection alternative requirements, the NSPS inspection log shall include the following information: 1) a schedule of monitoring and 2) the percent of valves found leaking during each monitoring period. [CFR 60.486(g)] Federally Enforceable Through Title V Permit
94. A log containing the following information for pumps and compressors equipped a barrier fluid seal system which includes a seal failure sensor, for which a system failure criteria is required to be established, pursuant to the requirements for this permit unit, shall be maintained and kept in a readily accessible location: 1) the design criterion required by this permit and an explanation and 2) any changes to this criterion and reasons for the changes. [40 CFR 60.486(h)] Federally Enforceable Through Title V Permit
95. For equipment (compressors and components) subject to applicable NSPS, the operator shall maintain information and data used to demonstrate that a piece of equipment is not in VOC service and information and data used to demonstrate that a reciprocating compressor is in wet gas service. The information shall be included in the NSPS inspection log for the permit unit and shall be kept in a readily accessible location. [40 CFR 60.486(j) and 60.635(c)] Federally Enforceable Through Title V Permit
96. Vapor recovery systems (for example, condensers and absorbers) shall be designed and operated to recover the VOC emissions vented to them with an efficiency of 95 percent or greater, or to an exit concentration of 20 parts per million by volume, whichever is less stringent. [40 CFR 60.482-10(b)] Federally Enforceable Through Title V Permit
97. Enclosed combustion devices shall be designed and operated to reduce the VOC emissions vented to them with an efficiency of 95 percent or greater, or to an exit concentration of 20 parts per million by volume, on a dry basis, corrected to 3 percent oxygen, whichever is less stringent or to provide a minimum residence time of 0.75 seconds at a minimum temperature of 816 degrees C. [40 CFR 60.482-10(c)] Federally Enforceable Through Title V Permit
98. If the vapor collection system or closed vent system is constructed of hard-piping, the owner or operator shall conduct an initial inspection according to the procedures specified in EPA Method 21 using the calibration gases as specified in the requirements for this permit unit. The owner or operator shall also conduct annual visual inspections for visible, audible, or olfactory indications of leaks. [40 CFR 60.482-10(f)(1) and 40 CFR 60.485(b)] Federally Enforceable Through Title V Permit
99. If the vapor collection system or closed vent system is constructed of ductwork, the owner or operator shall conduct an initial inspection and annual inspections according to the procedures specified in EPA Method 21 using the calibration gases as specified in the requirements for this permit unit. The owner or operator shall also conduct annual visual inspections for visible, audible, or olfactory indications of leaks. [40 CFR 60.482-10(f)(2) and 40 CFR 60.485(b)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

100. Any parts of the closed vent system that are designated as difficult to inspect are exempt from the inspection requirements of 40 CFR 60.482-10(f)(1) and (f)(2) if the owner or operator complies with the following: 1) the owner or operator determines that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface; and 2) the process unit within which the closed vent system is located becomes an affected facility through modification or reconstruction, as defined in 40 CFR 60.14 and 60.15, or the owner or operator designates less than 3.0 percent of the total number of closed vent system equipment as difficult to inspect; and 3) the owner or operator has a written plan that requires inspection of the equipment at least every 5 years. A closed vent system is exempt from inspection if it is operated under a vacuum. [40 CFR 60.482-10(k)] Federally Enforceable Through Title V Permit
101. Closed vent systems and control devices shall be operated at all times when emissions may be vented to them. [40 CFR 60.482-10(m)] Federally Enforceable Through Title V Permit
102. A log shall be maintained containing the following information: 1) identification of all parts of the closed vent system that are designated as unsafe to inspect, an explanation of why the equipment is unsafe to inspect, and the plan for inspecting the equipment; 2) identification of all parts of the closed vent system that are designated as difficult to inspect, an explanation of why the equipment is difficult to inspect, and the plan for inspecting the equipment; 3) for each inspection conducted in accordance with EPA Method 21 during which no leaks are detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected; and 4) for each visual inspection conducted for visible, audible, or olfactory indications of leaks during which no leaks are detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected. [40 CFR 60.482-10(l) and 40 CFR 60.485(b)] Federally Enforceable Through Title V Permit
103. For components subject to applicable NSPS requirements, semiannual reports shall be submitted to the APCO containing the following information: 1) process unit identification, 2) for each month during the reporting period, number of valves, pumps, compressors, and pressure relief devices for which leaks were detected; number of valves, pumps, compressors, and pressure relief devices for which leaks were not repaired within 15 days and a first attempt not made within 5 days of leak detection; the facts that explain each delay of repair and, where appropriate, why a process unit shutdown was technically infeasible 3) dates of process unit shutdowns which occurred within the reporting period, and 4) revisions to items reported in the initial or subsequent semiannual reports. [40 CFR 60.487(a) and (c) and 60.636(c)] Federally Enforceable Through Title V Permit
104. All logs required for this permit unit and all records of required monitoring data and support information shall be retained by the operator for a minimum of five years after the date of an entry, kept in a readily accessible location, and made available upon request to District personnel. [District Rules 2520, 9.4.2 and 4409, 6.2.3] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2234-200-2

EXPIRATION DATE: 10/31/2009

EQUIPMENT DESCRIPTION:

ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (R-22) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE

PERMIT UNIT REQUIREMENTS

1. Operator shall notify the District by letter or fax at least 48-hours in advance of the re-location of this compressor skid. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Operator shall maintain records of compressor skid location and dates spent at each location and make such records available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Compressor skid shall not operate within 1,000 feet of a kindergarten through 12 grade school. [CH&SC Section 42301.6] Federally Enforceable Through Title V Permit
4. Compressor skid shall only be used in conjunction with gas processing operations where gas is routed to a gas plant, sales line, or gas injection well. Compressor skid shall not be used as part of a permitted operation without first obtaining an Authority to Construct to modify the operation to include the compressor skid. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall maintain accurate component count for compressor skid according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Fugitive VOC emissions from compressor skid shall not exceed 0.46 lb/ day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rules 2201] Federally Enforceable Through Title V Permit
8. VOC content of the gas stream processed shall be tested upon implementation of this Authority to Construct and thereafter not less than annually. [District Rule 2201] Federally Enforceable Through Title V Permit
9. VOC content of gas shall be determined by ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Permittee shall maintain a record of the VOC content test results. [District Rule 2201] Federally Enforceable Through Title V Permit
11. There shall be no leaks from fugitive components in liquid service greater than three (3) drops per minute. [District Rules 2201 and 4403] Federally Enforceable Through Title V Permit
12. All piping, connectors, valves, seals, and fittings shall be constructed and maintained such that there are no components leaking in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

13. All piping, connectors, valves, seals, and fittings shall be inspected, tagged and repaired in accordance with the requirements set forth in District rule 4409. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Operator shall maintain an inspection log and record keeping in accordance with the requirements set forth in District rule 4409. [District Rule 2201] Federally Enforceable Through Title V Permit
15. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2234-201-2

EXPIRATION DATE: 10/31/2009

EQUIPMENT DESCRIPTION:

ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-107) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE

PERMIT UNIT REQUIREMENTS

1. Operator shall notify the District by letter or fax at least 48-hours in advance of the re-location of this compressor skid. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Operator shall maintain records of compressor skid location and dates spent at each location and make such records available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Compressor skid shall not operate within 1,000 feet of a kindergarten through 12 grade school. [CH&SC Section 42301.6] Federally Enforceable Through Title V Permit
4. Compressor skid shall only be used in conjunction with gas processing operations where gas is routed to a gas plant, sales line, or gas injection well. Compressor skid shall not be used as part of a permitted operation without first obtaining an Authority to Construct to modify the operation to include the compressor skid. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall maintain accurate component count for compressor skid according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Fugitive VOC emissions from compressor skid shall not exceed 0.35 lb/ day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rules 2201] Federally Enforceable Through Title V Permit
8. VOC content of the gas stream processed shall be tested upon implementation of this Authority to Construct and thereafter not less than annually. [District Rule 2201] Federally Enforceable Through Title V Permit
9. VOC content of gas shall be determined by ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Permittee shall maintain a record of the VOC content test results. [District Rule 2201] Federally Enforceable Through Title V Permit
11. There shall be no leaks from fugitive components in liquid service greater than three (3) drops per minute. [District Rules 2201] Federally Enforceable Through Title V Permit
12. All piping, connectors, valves, seals, and fittings shall be constructed and maintained such that there are no components leaking in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

13. All piping, connectors, valves, seals, and fittings shall be inspected, tagged and repaired in accordance with the requirements set forth in District rule 4409. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Operator shall maintain an inspection log and record keeping in accordance with the requirements set forth in District rule 4409. [District Rule 2201] Federally Enforceable Through Title V Permit
15. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

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These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2234-202-2

EXPIRATION DATE: 10/31/2009

EQUIPMENT DESCRIPTION:

ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-55) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE

PERMIT UNIT REQUIREMENTS

1. Operator shall notify the District by letter or fax at least 48-hours in advance of the re-location of this compressor skid. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Operator shall maintain records of compressor skid location and dates spent at each location and make such records available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Compressor skid shall not operate within 1,000 feet of a kindergarten through 12 grade school. [CH&SC Section 42301.6] Federally Enforceable Through Title V Permit
4. Compressor skid shall only be used in conjunction with gas processing operations where gas is routed to a gas plant, sales line, or gas injection well. Compressor skid shall not be used as part of a permitted operation without first obtaining an Authority to Construct to modify the operation to include the compressor skid. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall maintain accurate component count for compressor skid according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Fugitive VOC emissions from compressor skid shall not exceed 0.35 lb/ day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rules 2201] Federally Enforceable Through Title V Permit
8. VOC content of the gas stream processed shall be tested upon implementation of this Authority to Construct and thereafter not less than annually. [District Rule 2201] Federally Enforceable Through Title V Permit
9. VOC content of gas shall be determined by ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Permittee shall maintain a record of the VOC content test results. [District Rule 2201] Federally Enforceable Through Title V Permit
11. There shall be no leaks from fugitive components in liquid service greater than three (3) drops per minute. [District Rules 2201] Federally Enforceable Through Title V Permit
12. All piping, connectors, valves, seals, and fittings shall be constructed and maintained such that there are no components leaking in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

13. All piping, connectors, valves, seals, and fittings shall be inspected, tagged and repaired in accordance with the requirements set forth in District rule 4409. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Operator shall maintain an inspection log and record keeping in accordance with the requirements set forth in District rule 4409. [District Rule 2201] Federally Enforceable Through Title V Permit
15. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2234-203-2

EXPIRATION DATE: 10/31/2009

EQUIPMENT DESCRIPTION:

ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-56) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE

PERMIT UNIT REQUIREMENTS

1. Operator shall notify the District by letter or fax at least 48-hours in advance of the re-location of this compressor skid. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Operator shall maintain records of compressor skid location and dates spent at each location and make such records available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Compressor skid shall not operate within 1,000 feet of a kindergarten through 12 grade school. [CH&SC Section 42301.6] Federally Enforceable Through Title V Permit
4. Compressor skid shall only be used in conjunction with gas processing operations where gas is routed to a gas plant, sales line, or gas injection well. Compressor skid shall not be used as part of a permitted operation without first obtaining an Authority to Construct to modify the operation to include the compressor skid. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall maintain accurate component count for compressor skid according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Fugitive VOC emissions from compressor skid shall not exceed 0.35 lb/ day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rules 2201] Federally Enforceable Through Title V Permit
8. VOC content of the gas stream processed shall be tested upon implementation of this Authority to Construct and thereafter not less than annually. [District Rule 2201] Federally Enforceable Through Title V Permit
9. VOC content of gas shall be determined by ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Permittee shall maintain a record of the VOC content test results. [District Rule 2201] Federally Enforceable Through Title V Permit
11. There shall be no leaks from fugitive components in liquid service greater than three (3) drops per minute. [District Rules 2201] Federally Enforceable Through Title V Permit
12. All piping, connectors, valves, seals, and fittings shall be constructed and maintained such that there are no components leaking in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

13. All piping, connectors, valves, seals, and fittings shall be inspected, tagged and repaired in accordance with the requirements set forth in District rule 4409. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Operator shall maintain an inspection log and record keeping in accordance with the requirements set forth in District rule 4409. [District Rule 2201] Federally Enforceable Through Title V Permit
15. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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ATTACHMENT B
ATCs



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2234-143-0

ISSUANCE DATE: 01/21/2004

LEGAL OWNER OR OPERATOR: OCCIDENTAL OF ELK HILLS INC
MAILING ADDRESS: 10800 STOCKDALE HIGHWAY
BAKERSFIELD, CA 93311

LOCATION: GAS PLANT
SECTION SE-35, T-30S, R-23E
TUPMAN, CA

EQUIPMENT DESCRIPTION:

ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-104) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Operator shall notify the District by letter or fax at least 48-hours in advance of the re-location of this compressor skid. [District Rule 2201]
3. Operator shall maintain records of compressor skid location and dates spent at each location and make such records available for District inspection upon request. [District Rule 2201]
4. Compressor skid shall not operate within 1,000 feet of a kindergarten through 12 grade school. [CH&SC Section 42301.6]
5. Compressor skid shall only be used in conjunction with gas processing operations. Compressor skid shall not be used in conjunction with oil and gas production operations including but not limited to the following: thermally enhanced oil recovery (TEOR) operations, well vent vapor control systems, tank vapor control systems, air enhanced crude oil production operations, or nitrogen enhanced crude oil production operations. [District Rule 2201]
6. Permittee shall maintain accurate component count for compressor skid according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

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7. Fugitive VOC emissions from compressor skid shall be less than 0.35 lb/ day. [District Rule 2201]
8. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rules 2201]
9. VOC content of the gas stream processed shall be tested upon implementation of this Authority to Construct and thereafter not less than annually. [District Rule 2201]
10. VOC content of gas shall be determined by ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201]
11. Permittee shall maintain a record of the VOC content test results for a period of five years and make such records available for inspection upon request. [District Rule 1070]
12. There shall be no leaks from fugitive components in liquid service greater than three (3) drops per minute. [District Rules 2201 and 4403]
13. All piping, connectors, valves, seals, and fittings shall be constructed and maintained in a gas-tight condition. [District Rule 2201 and 4403]
14. A gas-tight condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201 and 4403]
15. All piping, connectors, valves, seals, and fittings shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired upon detection. [District Rule 2201 and 4403]
16. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Leaks over 10,000 ppmv shall be reported as a deviation. [District Rule 2201 and 4403]
17. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2234-143-1

ISSUANCE DATE: 03/29/2005

LEGAL OWNER OR OPERATOR: OCCIDENTAL OF ELK HILLS INC
MAILING ADDRESS: 10800 STOCKDALE HIGHWAY
BAKERSFIELD, CA 93311

LOCATION: GAS PLANT
SECTION SE-35, T-30S, R-23E
TUPMAN, CA

EQUIPMENT DESCRIPTION:

MODIFICATION OF ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-104) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE: CLARIFY WHEN COMPRESSOR SKID MAY BE USED IN CONJUNCTION WITH OTHER EQUIPMENT

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Operator shall notify the District by letter or fax at least 48-hours in advance of the re-location of this compressor skid. [District Rule 2201]
3. Operator shall maintain records of compressor skid location and dates spent at each location and make such records available for District inspection upon request. [District Rule 2201]
4. Compressor skid shall not operate within 1,000 feet of a kindergarten through 12 grade school. [CH&SC Section 42301.6]
5. Compressor skid shall only be used in conjunction with gas processing operations where gas is routed to a gas plant, sales line, or gas injection well. Compressor skid shall not be used as part of a permitted operation without first obtaining an Authority to Construct to modify the operation to include the compressor skid. [District Rule 2201]
6. Permittee shall maintain accurate component count for compressor skid according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

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DAVID WARNER, Director of Permit Services
S-2234-143-1 : Aug 4 2011 11:04AM - ROEDERS : Joint Inspection NOT Required

7. Fugitive VOC emissions from compressor skid shall be less than 0.35 lb/ day. [District Rule 2201]
8. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rules 2201]
9. VOC content of the gas stream processed shall be tested upon implementation of this Authority to Construct and thereafter not less than annually. [District Rule 2201]
10. VOC content of gas shall be determined by ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201]
11. Permittee shall maintain a record of the VOC content test results for a period of five years and make such records available for inspection upon request. [District Rule 1070]
12. There shall be no leaks from fugitive components in liquid service greater than three (3) drops per minute. [District Rules 2201 and 4403]
13. All piping, connectors, valves, seals, and fittings shall be constructed and maintained in a gas-tight condition. [District Rule 2201 and 4403]
14. A gas-tight condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201 and 4403]
15. All piping, connectors, valves, seals, and fittings shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired upon detection. [District Rule 2201 and 4403]
16. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Leaks over 10,000 ppmv shall be reported as a deviation. [District Rule 2201 and 4403]
17. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]
18. This Authority to Construct shall be implemented concurrently with Authority to Construct S-2234-143-0. [District Rule 2201]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2234-175-0

ISSUANCE DATE: 10/16/2006

LEGAL OWNER OR OPERATOR: OCCIDENTAL OF ELK HILLS INC
MAILING ADDRESS: 10800 STOCKDALE HIGHWAY
BAKERSFIELD, CA 93311

LOCATION: GAS PLANT
SECTION SE-35, T-30S, R-23E
TUPMAN, CA

SECTION: 35 **TOWNSHIP:** 30S **RANGE:** 23E

EQUIPMENT DESCRIPTION:

GAS DEHYDRATION SYSTEM INCLUDING; INLET GAS COALESCERS, MOLECULAR SIEVE DRYER BEDS, REGENERATION AND DRY GAS COOLERS, AND ELECTRIC MOTOR REGENERATION GAS COMPRESSOR (35R GAS PLANT)

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520]
2. Permittee shall maintain an accurate, as-built, fugitive component count of components which are in VOC service (greater than 10% VOC by weight) and resultant emissions calculated using emission factors from "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c. Oil and Gas Production Screening Value Ranges Emission Factors. [District Rule 2201]
3. VOC emission rate from components in VOC service (>10% VOC by weight) associated with this emission unit shall be less than 0.7 lb/day. [District Rule 2201]
4. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rule 2201]
5. VOC content of the gas stream in VOC service (> 10% VOC by weight) shall be tested and recorded not less than every 12 month thereafter using methods ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201]
6. There shall be no leaks exceeding 10,000 ppmv VOCs. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

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7. The permittee shall not use any components that leak in excess of the applicable leak standards as specified in District Rule 4409. Components that have been found leaking in excess of the applicable leak standards of Rule 4409 this rule may be used provided such leaking components have been identified with a tag for repair, are repaired, or are awaiting re-inspection after being repaired, within the applicable time period specified in Rule 4409. [District Rule 4409, 5.1.1]
8. Each hatch shall be closed at all times except during sampling or adding of process material through the hatch or during attended repair replacement or maintenance operations provided such activities are done as expeditiously as possible and with minimal spillage of material and VOC emissions to the atmosphere. [District Rule 4409, 5.1.2]
9. For valves, threaded connections, flanges, pipes, pumps, compressors, and other components not specified in this permit; a major gas leak is a detection of > 10,000 ppmv as methane; a minor gas leak is a detection of 1,000 to 10,000 ppmv as methane when the component is in liquid service; a minor gas leak is a detection of 2,000 to 10,000 ppmv as methane when the component is in gas/vapor service. [District Rule 4409, 5.1.1]
10. For pressure relief devices (PRDs); a major gas leak is a detection of > 10,000 ppmv as methane; a minor gas leak is a detection of 200 to 10,000 ppmv as methane when the component is in liquid service; a minor gas leak is a detection of 400 to 10,000 ppmv as methane when the component is in gas/vapor service. [District Rule 4409, 5.1.1]
11. Minor gas leaks from PRSBs detected during any District inspection shall not be counted toward determination of compliance with this rule provided the permittee repairs, replaces, or removes leaking PRSBs from VOC service as soon as practicable but not later than seven calendar days. [District Rule 4409, 5.1.3.1.2]
12. Leaks detected during quarterly operator inspections shall not be counted towards determination of compliance with the provisions of Rule 4409 provided the leaking components are repaired as soon as practicable but not later than the time frame specified in this permit. Leaks detected during quarterly operator inspections that are not repaired, replaced, or removed from operation as soon as practicable but not later than the time frame specified in this rule shall be counted toward determination of compliance with the provisions of Rule 4409. [District Rule 4409, 5.1.3.2.1 and 5.1.3.2.2]
13. Leaking components at this facility detected during annual operator inspections, as required by Rule 4409 for a specific component type, that exceed the leak standards specified in this permit, shall constitute a violation of this rule. This violation is regardless of whether or not the leaking components are repaired, replaced, or removed from operation within the allowable repair time frame specified in this permit. [District Rule 4409, 5.1.3.2.3]
14. An open-ended line, or a valve located at the end of the line, that is not sealed with either a blind flange, a plug, a cap, or a second closed valve that is not closed at all times, except during attended operations requiring process fluid flow through the open-ended line is a leak. Attended operations include draining or degassing operations, connection of temporary process equipment, sampling of process streams, emergency venting, and other normal operational needs, provided such operations are done as expeditiously as possible and with minimal spillage of material and VOC emissions to the atmosphere. [District Rule 4409, 5.1.4.1]
15. A leak from a component is when there is a major liquid leak from the component. A major liquid leak from a component is when a visible mist or a continuous flow of liquid, that is not seal lubricant, leaks from the component. [District Rule 4409, 5.1.4.2]
16. A leak from a component is when gas emissions greater than 50,000 ppmv, as methane, leaks from the component. [District Rule 4409, 5.1.4.3]
17. A minor liquid leak from a component is when more than three drops of liquid per minute, that is not seal lubricant and is not a major liquid leak, leaks from the component. [District Rule 4409, 5.1.4.4]
18. When 200 or fewer valves are inspected, a leak from a valve is when more than one valve has a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. When greater than 200 valves are inspected, a leak from a valve is when more than 0.5 % (rounded up to the nearest whole number) of the valves have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4]

CONDITIONS CONTINUE ON NEXT PAGE

19. When 200 or fewer threaded connections are inspected, a leak from a threaded connection is when more than one threaded connection has a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. When greater than 200 threaded connections are inspected, a leak from a threaded connection is when more than 0.5 % (rounded up to the nearest whole number) of the threaded connections have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4]
20. When 200 or fewer flanges are inspected, a leak from a flange is when more than one flange has a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. When greater than 200 flanges are inspected, a leak from a flange is when more than 0.5 % (rounded up to the nearest whole number) of the flanges have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4]
21. When 200 or fewer pumps are inspected, a leak from a pump is when more than two pumps have a minor liquid leak, a minor gas leak, or a gas leak greater than 10,000 ppmv and less than or equal to 50,000 ppmv. When greater than 200 pumps are inspected, a leak from a pump is when more than 1.0 % (rounded up to the nearest whole number) of the pumps have a minor liquid leak, a minor gas leak, or a gas leak greater than 10,000 ppmv and less than or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4]
22. When compressors, PRDs, or other components not specified in this permit are inspected, a leak from these components is when more than one component has a minor liquid leak, a minor gas leak, or a gas leak greater than 10,000 ppmv and less than or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4]
23. When 200 or fewer PRSBs are inspected, a leak is when more than four have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. When greater than 200 PRSBs are inspected, a leak is when more than 2.0 % (rounded up to the nearest whole number) of the PRSBs have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4]
24. When 200 or fewer wells at light crude oil or gas production facilities are inspected, a leak from a pipe is when more than two or more pipes have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. When greater than 200 wells at light crude oil or gas production facilities are inspected, a leak from a pipe is when more than 1.0 % (rounded up to the nearest whole number) of the pipes have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4]
25. When pipes at natural gas processing facilities are inspected, a leak from a pipe is when more than two have a minor liquid leak, a minor gas leak, or a gas leak > 10,000 ppmv and < or equal to 50,000 ppmv. [District Rule 4409, 5.1.4.4]
26. For manned facilities all accessible operating pumps, compressors, and PRDs, in service, shall be audio-visually inspected for leaks at least once every 24 hours except when operators do not report to the facility during a 24 hour period. [District Rule 4409, 5.2.1]
27. For unmanned facilities all accessible operating pumps, compressors, and PRDs, in service, shall be audio-visually inspected for leaks at least once per calendar week. [District Rule 4409, 5.2.2]
28. Any audio visual inspection of all accessible operating pumps, compressors and PRDs performed by an operator that indicate a leak that cannot be immediately repaired to meet the applicable leak standards of Rule 4409, shall be inspected not later than 24 hours after conducting the audio visual inspection. If the leak is found, the leak shall be repaired as soon as practical but not later than the time frame specified in Rule 4409. [District Rule 4409, 5.2.3]
29. Except for inaccessible components, unsafe-to-monitor components, or pipes, all components, in service, shall be tested for leaks at least once every calendar quarter. [District Rule 4409, 5.2.4]
30. All new, replaced, or repaired fittings, flanges, and threaded connections shall be tested for leaks immediately after being placed into service. [District Rule 4409, 5.2.5]
31. All inaccessible components shall be tested for leaks at least once every 12 months. [District Rule 4409, 5.2.6]
32. All unsafe-to-monitor components shall be tested for leaks during each turnaround. [District Rule 4409, 5.2.7]
33. All pipes shall be visually inspected for leaks at least once every 12 months. [District Rule 4409, 5.2.8]

CONDITIONS CONTINUE ON NEXT PAGE

34. Any visual inspection of pipes that indicate a leak that cannot be immediately repaired to meet the applicable leak standards of Rule 4409, shall be inspected not later than 24 hours after conducting the audio visual inspection. If a leak is found, the leak shall be repaired as soon as practical but not later than the time frame specified in Rule 4409. [District Rule 4409, 5.2.8.1]
35. The annual pipe inspection required by either the Department of Oil, Gas, and Geothermal Resources (DOGGR) pursuant to California Code of Regulation Title 14, Division 2, Subchapter 2, Section 1774 (Oilfield Facilities and Equipment Maintenance), or by the Spill Prevention Control and Countermeasure Plan (SPCC) pursuant to 40 Code of Federal Regulation Part 112 (Oil Prevention and Response: Non- Transportation-Related Onshore and Offshore Facilities) can be used as the annual pipe inspection required by District Rule 4409. [District Rule 4409, 5.2.8.2]
36. Except for pumps, compressors, and PRDs, the permittee may apply for written approval from the District to change the inspection frequency of accessible components from quarterly to annually for a specific component type provided the following two qualifying requirements are met. During the previous five consecutive quarterly inspections, for the specific component type, there shall be no more leaks than as allowed by this permit. The permittee also shall not have received a Notice of Violation (NOV) from the District during the previous 12 months for violating any provisions of District Rule 4409 for the specific component type. If these two qualifying requirements have not been met, then the inspection frequency shall revert back to quarterly. The written request shall include pertinent documentation to demonstrate that the operator has successfully met the two qualifying requirements. [District Rule 4409, 5.2.9 and 5.2.10]
37. The permittee shall notify the District in writing within five calendar days after changing the inspection frequency for a specific component type. The written notification shall include the reason(s) and date of change to a quarterly inspection frequency. [District Rule 4409, 5.2.11]
38. Except as otherwise provided by District Rule 4409 for inaccessible components or unsafe to monitor components, PRDs that releases to the atmosphere shall be inspected for leaks as soon as practicable but not later than 24 hours after the time of the release. The permittee shall re-inspect the PRD for leaks not earlier than 24 hours after the initial inspection but not later than 15 calendar days after the date of the initial release. If the PRD is found by the permittee to be leaking during either inspection, the PRD leak shall be treated as if the leak was found during the required quarterly operator inspections. [District Rule 4409, 5.2.12]
39. Except for PRDs, a component shall be inspected for leaks not later than 15 calendar days after repairing the leak or replacing the component. [District Rule 4409, 5.2.13]
40. District inspections shall not be counted as an operator inspection required by District Rule 4409. Any attempt by an operator to count such District inspections as part of the operator's mandatory inspections is considered a willful circumvention of the rule and is a violation of this rule. [District Rule 4409, 5.2.14]
41. Upon detection of a leaking component (including those detected by audio-visual inspection), an operator shall affix to that component a weatherproof, readily visible tag, bearing the date and time when the leak was detected and the date and time of the leak measurement. For gaseous leaks, the tag shall indicate the leak concentration in ppmv. For liquid leaks, the tag shall indicate whether it is a major liquid leak or a minor liquid leak. The tag shall indicate, when applicable, whether the component is an essential component, an unsafe-to-monitor component, or a critical component. The tag shall remain in place until the leaking component is repaired or replaced and reinspected and found to be in compliance with the requirements of this rule. [District Rule 4409, 5.3.1]
42. The operator shall minimize all component leaks immediately, to the extent possible, but not later than one hour after detection of the leak in order to stop or reduce leakage to the atmosphere. If the leak has been minimized but the leak still exceeds the applicable leak standards specified in District Rule 4409, the operator shall do one of the following: 1) repair or replace the leaking component within the applicable time frame specified in District Rule 4409; 2) vent the leaking component to a closed vent system as defined by District Rule 4409; 3) or remove the leaking component from operation. The leak rate measured after leak minimization has been performed shall be the leak rate used to determine the applicable repair period. The start of the repair period shall be the time of the initial leak detection. [District Rule 4409, 5.3.4 and 5.3.5]

CONDITIONS CONTINUE ON NEXT PAGE

43. The operator shall repair minor gas leaks within seven days. The operator shall repair major gas leaks, which are > 10,000 ppmv but < or equal to 50,000 ppmv, within three days. The operator shall repair major gas leaks, which are > 50,000 ppmv, within two days. The operator shall repair minor liquid leaks within three days. The operator shall repair major liquid leaks within two days. The leak rate measured after leak minimization has been performed shall be the leak rate used to determine the applicable repair period. The start of the repair period shall be the time of the initial leak detection. [District Rule 4409, 5.3.4 and 5.3.5]
44. For each calendar quarter, the operator may extend the repair period for a total number of leaking components, not to exceed 0.05 % of the number of components inspected, by type, rounded upward to the nearest whole number. The repair period for minor gas leaks can be extended by seven additional days. The repair period for major gas leaks, which are > 10,000 ppmv but < or equal to 50,000 ppmv, can be extended by two additional days. [District Rule 4409, 5.3.5]
45. If a leaking component is an essential component or a critical component and which cannot be shut down immediately for repairs, the operator shall do the following: 1) minimize the leak within one hour after detection of the leak; 2) and if the leak has been minimized, but the leak still exceeds the applicable leak standards of Rule 4409 as specified in this permit, the essential component or critical component shall be repaired or replaced to eliminate the leak during the next process unit turnaround. The repair shall occur no later than one year from the date of the original leak detection. [District Rule 4409, 5.3.6]
46. For any component that has incurred five repair actions for major gas leaks or major liquid leaks, or a combination of major gas leaks and major liquid leaks within a continuous 12-month period, the operator shall do one of the following four options. Options 1a through 1f require written notification to the District, option 2 requires written notification to the District and written District approval, options 3 and 4 do not require written notification to the District: 1a) For compressors replace the existing seal with either a dual mechanical seal, an oil film seal, a gas seal, or a face-type seal; 1b) for pumps replace the pump with a seal-less pump or replace the seal with a dual mechanical seal; 1c) for PRDs replace the PRD and install a rupture disc in the line which precedes the PRD such that the PRD is in series with and follows the rupture disc; 1d) for valves replace the valve with a sealed bellows valve, or for seal rings install graphite or Teflon chevron seal rings in a live-loaded packing gland; 1e) for threaded connections weld the connections or replace threaded connections with flanges; 1f) for sampling connections replace the sampling connection with a closed-loop sampling system; 2) Replace the component with Achieved-in-Practice Best Available Control Technology (BACT) equipment; 3) Vent the component to a District approved closed-vent system; 4) Remove the component from operation. For any component that is accessible, is not unsafe-to-monitor, is not an essential component, or is not a critical component, the operator shall comply with these requirements as soon as practicable but not later than twelve months after the date of detection of the fifth major leak within a continuous 12-month period. For any component that is inaccessible, is unsafe-to-monitor, is essential, or is a critical component, the operator shall comply with these requirements as soon as practicable but not later than the next turnaround or not later than two years after the date of detection of the fifth major leak within a continuous 12-month period, whichever comes first. [District Rule 4409, 5.3.7]
47. All major components and critical components shall be physically identified clearly and visibly for inspection, repair, and recordkeeping purposes. The physical identification shall consist of labels, tags, manufacturer's nameplate identifier, serial number, or model number, or other system approved by the District that enables an operator or the District to locate each individual component. The operator shall replace physical identifications that become missing or unreadable as soon as practicable but not later than 24 hours after discovery. [District Rule 4409, 5.4.1]
48. The operator shall keep a copy of the District approved Operator Management Plan (OMP) at the facility and make it available to the District, ARB, and EPA upon request. [District Rule 4409, 6.1.2]
49. By January 30th of each year the operator shall submit to the District for approval, in writing, an annual report indicating any changes to the existing OMP on file at the District. [District Rule 4409, 6.1.4]

CONDITIONS CONTINUE ON NEXT PAGE

50. The operator shall maintain an inspection log that has been signed and dated by the facility operator responsible for the inspection, certifying the accuracy of the information recorded in the log. The inspection log shall contain, at a minimum, all of the following information: 1) The total number of components inspected, and the total number and percentage of leaking components found by component types; 2) The location, type, name or description of each leaking component and the description of any unit where the leaking component is found; 3) Date of the leak detection and method of the leak detection; 4) For gaseous leaks, record the leak concentration in ppmv, and for liquid leaks record whether the leak is a major liquid leak or a minor liquid leak; 5) The date of repair, replacement, or removal from operation of the leaking component(s); 6) The identification and location of essential components and critical components found leaking that cannot be repaired until the next process unit turnaround or not later than one year after leak detection, whichever comes first; 7) The method(s) used to minimize the leak from essential components and critical components found leaking that cannot be repaired until the next process unit turnaround or not later than one year after leak detection, whichever comes earlier; 8) The date of re-inspection and the leak concentration in ppmv after the component is repaired or is replaced; 9) The inspector's name, business mailing address, and business telephone number. [District Rule 4409, 6.2.1]
51. Records of leaks detected during quarterly or annual operator inspections, and each subsequent repair and re-inspection, shall be submitted to the District, ARB, and EPA upon request. [District Rule 4409, 6.2.2]
52. Records shall be maintained of each calibration of the portable hydrocarbon detection instrument utilized for inspecting components. The records shall include a copy of the current calibration gas certification from the vendor of the calibration gas cylinder, the date of calibration, the concentration of calibration gas, the instrument reading of calibration gas before adjustment, the instrument reading of calibration gas after adjustment, the calibration gas expiration date, and the calibration gas cylinder pressure at the time of calibration. [District Rule 4409, 6.2.3]
53. All records required by this permit shall be retained on-site for a minimum of five years and made available for District, ARB, and EPA inspection upon request. [District Rule 4409, 6.2.4]
54. For determining compliance with Rule 4409, all measurements of gaseous leak concentrations shall be conducted according to EPA Method 21 using an appropriate portable hydrocarbon detection instrument calibrated with methane. The instrument shall be calibrated in accordance with the procedures specified in EPA Method 21 or the manufacturer's instructions not more than 30 days prior to its use. [District Rule 4409, 6.3.1]
55. For determining compliance with Rule 4409, the VOC content by weight percent shall be determined using ASTM D-1945 for gases and South Coast Air Quality Management District (SCAQMD) Method 304-91 for liquids. [District Rule 4409, 6.3.2]
56. The percent by volume liquid evaporated at 302 °F (150 °C) shall be determined using ASTM D-86. [District Rule 4409, 6.3.3]
57. The TVP of any organic liquid shall be determined by measuring the Reid Vapor Pressure (RVP) using ASTM D-323, and converting the RVP to TVP at the maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures specified in Appendix A of District Rule 4409. [District Rule 4409, 6.3.4]
58. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM D-287 or ASTM 1298. Sampling for API gravity shall be performed in accordance with ASTM D-4057. [District Rule 4409, 6.3.5]
59. The control efficiency of any VOC control device, measured and calculated as carbon, shall be determined by EPA Method 25, except when the outlet concentration must be below 50 ppm in order to meet the standard, in which case EPA Method 25a may be used. EPA Method 18 may be used in lieu of EPA Method 25 or EPA Method 25a provided the identity and approximate concentrations of the analytes/compounds in the sample gas stream are known before analysis with the gas chromatograph and the gas chromatograph is calibrated for each of those known analyte/compound to ensure that the VOC concentrations are neither under- or over-reported. [District Rule 4409, 6.3.6]
60. For determining compliance with Rule 4409, halogenated exempt compounds shall be analyzed by EPA Method 18 or ARB Method 422. [District Rule 4409, 6.3.7]
61. Equipment that is in vacuum service is exempt from the control and monitoring requirements and work practice standards of District Rule 4409 and applicable NSPS requirements, provided the equipment is identified as such in the Operator Management Plan. [District Rule District Rule 4409, 4.2.8 and 40 CFR 60.482-1(d)]

CONDITIONS CONTINUE ON NEXT PAGE

62. For determining compliance with applicable NSPS requirements, the test methods and procedures at 40 CFR 60.485 shall be used. Alternative test methods may be used subject to approval pursuant to 40 CFR 60.8. [40 CFR 60.8, 40 CFR 60.485]
63. For all components that are subject to applicable requirements of District Rule 4409 and are included in the operator management plan and that comply with the inspection, maintenance and repair requirements as specified by Rule 4409, a Title-V permit shield for applicable Rule 4409 requirements is granted. [District Rule 4409]
64. For all components that are subject to applicable NSPS requirements and are included in the permit unit addendum to the operator management plan and that comply with the applicable NSPS inspection, maintenance and repair requirements as specified by the terms and condition of this permit, a Title-V permit shield is granted for applicable requirements at 40 CFR 60, Subpart KKK. [District Rule 40 CFR 60, Subpart KKK]
65. If a vapor collection system or closed vent system is operated under a vacuum, it is exempt from the inspection requirements as specified in this permit unit. [District Rule 4409, 4.2.8 and 40 CFR 60.482-10(i)]
66. For open ended lines and open ended valves, subject to applicable NSPS, each open-ended valve or line shall be sealed with two (2) valves, a blind flange, a cap, or a plug at all times, except during operations requiring process fluid flow through the valve or line. Open ended lines and valves designed to open automatically in the event of an emergency are exempt from this requirement [40 CFR 60.482-6(a) and 40 CFR 60.482-6(d)]
67. For valves subject to applicable new source performance standards (NSPS), any valve in gas/vapor service or light liquid service that is designated in the Operator Management Plan as an unsafe-to-monitor valve is exempt from the monthly NSPS leak inspection requirements, provided: 1) the owner/operator demonstrates the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence, and 2) a written plan is adhered to that requires monitoring of the valve as frequently as practicable during safe-to-monitor times and at least annually and during shutdown. [40 CFR 60.482-7(g)]
68. For valves subject to applicable NSPS, any valve in gas/vapor service or light liquid service that is designated in the Operator Management Plan as a difficult-to-monitor (inaccessible) valve is exempt from the monthly NSPS leak inspection requirements, provided: 1) the owner/operator demonstrates the valve cannot be monitored without elevating the monitoring personnel more than 15 feet above a support surface, or that it is over 6 feet away from a platform, 2) the process unit within which the valve is located either becomes an affected facility through 40 CFR 60.14 or 60.15 or if the owner/operator designates less than 3.0% of the total number of valves as difficult-to-monitor, and 3) a written plan is adhered to that, requires monitoring of the valve at least annually and during shutdown. [40 CFR 60.482-7(h)]
69. Any components of the closed vent system that are designated as unsafe to inspect are exempt from the inspection requirements specified in this permit unit if the owner or operator complies with the following: 1) the owner or operator determines that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of complying with the inspection requirements; 2) the owner or operator identifies the components in the Operator Management Plan; 3) the owner or operator has a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times; and 4) inspection and required repair of the components is performed at least annually and during shutdown. [District Rule 4409, 5.3.7.5 and 40 CFR 60.482-10(j)]
70. For components subject to applicable NSPS, when a leak is detected, a weatherproof and readily visible tag shall be attached, bearing the equipment identification number and date which the leak is detected. The tag on a valve shall remain in place until after it has been monitored for 2 successive months and no leak has been detected. The tag on all other equipment may be removed after repair and re-inspection document compliance with the applicable NSPS. [40 CFR 60.486(b) and 60.635(b)(1)]
71. Any leak detected on the basis of sight, smell, or sound shall be identified by the operator affixing a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until repair and reinspection document compliance, whether or not operator inspection is otherwise required by this permit. [District Rule 4409, 5.3.3 and 5.3.3]
72. Any leaking component and any leak shall be repaired to a leak-free condition and reinspected within 15 calendar days. [40 CFR 60.482-7]

CONDITIONS CONTINUE ON NEXT PAGE

73. For components subject to applicable NSPS standards, except as otherwise provided by 40 CFR 60.482-9, any component leak shall be repaired to a leak-free condition, or vented to a flare satisfying the requirements of 40 CFR 60.18, or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 or EPA Method 18 within fifteen (15) calendar days of detection. A first attempt at repair shall be made no later than 5 calendar days after leak detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates necessary and sufficient actions are being taken to correct the leak within this time period. [40 CFR 60.482-2(c)(1) and (c)(2), 60.482-3(g), 60.482-7(d), 60.482-8(c), and 60.633(b)(3)]
74. For components subject to applicable NSPS, if the leaking component is an essential part of a critical process identified in the operator management plan and which cannot be immediately shut down for repairs, the operator shall minimize the leak within 15 calendar days. If the leak which has been minimized still exceeds the applicable NSPS standard, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than six months from the date of the original leak detection for pumps and one year from the date of the original leak detection for other components. Delay of repair is allowed for equipment which is isolated from the process and which does not remain in VOC service and delay of repair is allowed pursuant to 40 CFR 60.482-2(c)(1), 40 CFR 60.482-3(g)(1), 40 CFR 60.482-4(b)(1), 40 CFR 60.482-7(d)(1), 40 CFR 60.482-8(c)(1) [40 CFR 60.482-2(c)(1)]. [40 CFR 40 CFR 60.482-3(g)(1), 40 CFR 60.482-4(b)(1), 40 CFR 60.482-7(d)(1), 40 CFR 60.482-8(c)(1), 60.482-9(a) and (b)]
75. Delay of repair of a closed vent system for which leaks have been detected is allowed if the closed vent system is an essential part of a critical process identified in the operator management plan which cannot be immediately shut down for repairs or if the owner or operator determines that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair. However the operator shall minimize the leak within 15 calendar days. If the leak which has been minimized still exceeds the limit in this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. [40 CFR 60.482-9]
76. For the purpose of determining compliance with District Rule 4409, the operator shall maintain an inspection log that has been signed and dated by the facility operator responsible for the inspection, certifying the accuracy of the information recorded in the log. The inspection log shall contain all of the following information: 1) The total number of components inspected, and the total number and percentage of leaking components found by component types; 2) The location, type, name or description of each leaking component and the description of any unit where the leaking component is found; 3) Date of the leak detection and method of the leak detection; 4) For gaseous leaks, record the leak concentration in ppmv, and for liquid leaks record whether the leak is a major liquid leak or a minor liquid leak; 5) The date of repair, replacement, or removal from operation of the leaking component(s); 6) The identification and location of essential components and critical components found leaking that cannot be repaired until the next process unit turnaround or not later than one year after leak detection, whichever comes first; 7) The method(s) used to minimize the leak from essential components and critical components found leaking that cannot be repaired until the next process unit turnaround or not later than one year after leak detection, whichever comes earlier; 8) The date of re-inspection and the leak concentration in ppmv after the component is repaired or is replaced; 9) The inspector's name, business mailing address, and business telephone number. [District Rule 4409, 6.2.1]
77. For the purpose of determining compliance with applicable NSPS, each operator shall maintain an inspection log for the components subject to NSPS inspection requirements that contains the following information: 1) instrument, operator, and equipment identification numbers; 2) date of leak detection; 3) dates and repair method of each attempt to repair the leak; 4) "above 10,000" if the maximum instrument reading after each repair attempt is equal to or greater than 10,000 ppm; 5) "repair delayed", reason for delay, signature of individual whose decision it was that repair could not be effected without a process shutdown, and expected date of successful repair if a leak is not repaired within 15 days of detection; 6) dates of process unit shutdown that occur while the equipment is unrepaired; 7) date of successful repair and emission level of recheck after leak is repaired. [District Rule 40 CFR 60.486(c) and 60.635(2)(i) through (ix)]

78. Each piece of equipment subject to requirements of this permit is presumed to be in VOC service or in wet gas service unless an owner or operator demonstrates that the piece of equipment is not in VOC service or in wet gas service. For a piece of equipment to be considered not in VOC service, it must be determined that the VOC content can be reasonably expected never to exceed 10.0 percent by weight. For a piece of equipment to be considered in wet gas service, it must be determined that it contains or contacts the field gas before the extraction step in the process. For purposes of determining the percent VOC content of the process fluid that is contained in or contacts a piece of equipment, procedures that conform to the methods described this permit shall be used. [40 CFR 60.485(d) and 60.632(f)]
79. Compliance the no detectable emission standards for this permit unit shall be determined as follows: 1) EPA Method 21 shall be followed, 2) Method 21 shall be used to determine the background level and all potential leak interfaces shall be traversed as close to the inter face as possible, and 3) the arithmetic difference between the maximum concentration indicated by the instrument and the background level is compared with 500 ppm to determine compliance. [40 CFR 60.485(c)]
80. For valves subject to applicable NSPS, if the operator elects to comply with the allowable percentage of leaking valves then for this permit unit, the operator shall notify the APCO 90 days before implementing these alternatives. [40 CFR 60.483-1(b)(1) and (d), 60. 483-2(a)(2), and 60.487(d)]
81. For valves subject to applicable NSPS, if the allowable percentage of leaking valves is selected, then a performance test shall be conducted initially upon designation for allowable percentage of leaking valves, annually, and at other times requested by the APCO. The performance test shall be conducted as follows: 1) all valves in gas/vapor and light liquid service shall be monitored within 1 week using EPA Method 21 and 2) the leak percentage shall be determined by dividing the number of leaking valves detected and valves for which repair has been delayed by the number of valves in gas/vapor and light liquid service in this permit unit, 3) a record must be kept of the percent of valves found leaking during each leak detection period. [40 CFR 60.483-1(b)(2) and (c) and 60. 483-2(b)(5) and (6)]
82. For compressors subject to applicable NSPS, each compressor shall meet the applicable control system requirements of 40 CFR 482-3(a) - (i), except as otherwise provided by 40 CFR 60.482-1(c) and 40 CFR 60.482-3(h) and (i). [40 CFR 60.482-3(a) through (j)], 40 CFR 60.482-1(c), 40 CFR 60.482-3(h) and (i), and 40 CFR 60.633]
83. Compressors that are subject to applicable NSPS, are exempt from requirements of 40 CFR 60.482-3(a) and 40 CFR 60.482-3(b) if the compressor is equipped with a closed vent system to capture and transport leakage from the compressor drive shaft back to a process fuel gas system or a control device. Closed vent systems piping shall comply with applicable requirements at 40 CFR 60.482-10. Closed vent vapor recovery systems shall comply with design requirements at 40 CFR 60.482-10(b). Enclosed combustion devices used by closed vent system shall comply with design requirements at 40 CFR 60.482-10(c). Flares used by closed vent systems shall comply with requirements at 40 CFR 60.482-10(d). Closed vent system control devices shall comply with monitoring requirements at 40 CFR 60.482-10(e). [40 CFR 60 .482-3, 40 CFR 60.482-10]
84. Compressors that are subject to applicable NSPS and are designated in the Operator Management Plan for no detectable leak emission, as indicated by an instrument reading of less than 500 ppm above background, is are exempt from the requirements of 40 CFR 482-3(a)-(h), provided the compressor is tested for compliance with no detectable emissions initially upon designation, annually, and at other times requested by the APCO. [40 CFR 60.482-3(i)]
85. When determining compliance with applicable NSPS, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected. [40 CFR 60.633(b)(2), 40482-7(a), (b), and (c)]
86. For open ended lines or valves subject to applicable NSPS, each open-ended valve or line equipped with a second valve shall be operated so that the valve on the process fluid end is closed before the second valve is closed. [40 CFR 60.482-6(b)]
87. For equipment subject to applicable NSPS when a double block-and-bleed system is being used, the bleed valve or line may remain open only during operations that require venting the line between the block valves. [40 CFR 60.482-6(c)]
88. Except as provided by applicable NSPS, valves that are subject to NSPS that are in gas/vapor service or light liquid service shall be monitored monthly to detect leaks using EPA Method 21. Any valve for which a leak is not detected for 2 successive months may be monitored the first month of every quarter. If a leak is subsequently detected, monitoring shall revert to monthly. [40 CFR 60.482-7(a), (b), and (c)]

CONDITIONS CONTINUE ON NEXT PAGE

89. Any valve in gas/vapor service or light liquid service that is designated in the equipment log list for no detectable leak emission, as indicated by an instrument reading of less than 500 ppm above background, is exempt from the monitoring requirements of 40 CFR 60.482-7(a), provided the valve: 1) has no external actuating mechanism in contact with the process fluid and 2) is tested for and meets compliance with no detectable leak emission initially upon designation, annually and at other times requested by the APCO. [40 CFR 60.482-7(f)]
90. For valves subject to applicable NSPS requirements, for a valve in gas/vapor service or light or heavy liquid service, first attempts at repair shall include the following where practicable: 1) tightening of bonnet bolts, 2) replacement of bonnet bolts, 3) tightening of packing gland nuts, and 4) injection of lubricant into lubricant packing. [40 CFR 60.482-7(e) and 60.482-8(d)]
91. For pumps and valves in heavy liquid service, pressure relief devices in light or heavy liquid service, and flanges and other connectors, that are subject to applicable NSPS requirements, if evidence of a potential leak is found by sight, sound, smell, or any other detection method then the device shall be monitored within 5 days for leak detection in accordance with EPA Method 21. A leak is detected if an instrument reading of 10,000 ppm or greater is measured. [40 CFR 60.482-8(a) and (b)]
92. In addition to the information required by Rule 4409, the operator management plan shall include an addendum for this permit unit containing the following applicable NSPS information: 1) list of identification numbers for equipment subject to the applicable NSPS requirements, 2) list of identification numbers for equipment which is designated for no detectable emissions and which is signed by the owner/operator, 3) list of equipment identification numbers for pressure relief devices which must be operated with no detectable emissions, 4) dates of each compliance test for emissions below 500 ppm, for all equipment subject to this no detectable emission limit and the background level measured and the maximum instrument reading measured at the equipment, during each test, and 5) list of identification numbers for equipment in vacuum service. [40 CFR 60.486(e) and 60.635(b)(2)(x)]
93. In addition to the information required by Rule 4409, the operator management plan shall include an addendum for this permit unit containing the following applicable NSPS information: for valves in gas/vapor service and light liquid service: 1) a list of identification numbers for valves designated "unsafe-to-monitor" and for valves designated "difficult-to monitor", 2) an explanation for each valve stating why it is so designated, and 3) the schedule for monitoring each such valve. [40 CFR 60.486(f)]
94. For valves subject to NSPS annual leak detection alternative requirements, the NSPS inspection log shall include the following information: 1) a schedule of monitoring and 2) the percent of valves found leaking during each monitoring period. [CFR 60.486(g)]
95. A log containing the following information for pumps and compressors equipped a barrier fluid seal system which includes a seal failure sensor, for which a system failure criteria is required to be established, pursuant to the requirements for this permit unit, shall be maintained and kept in a readily accessible location: 1) the design criterion required by this permit and an explanation and 2) any changes to this criterion and reasons for the changes. [40 CFR 60.486(h)]
96. For equipment (compressors and components) subject to applicable NSPS, the operator shall maintain information and data used to demonstrate that a piece of equipment is not in VOC service and information and data used to demonstrate that a reciprocating compressor is in wet gas service. The information shall be included in the NSPS inspection log for the permit unit and shall be kept in a readily accessible location. [40 CFR 60.486(j) and 60.635(c)]
97. Vapor recovery systems (for example, condensers and absorbers) shall be designed and operated to recover the VOC emissions vented to them with an efficiency of 95 percent or greater, or to an exit concentration of 20 parts per million by volume, whichever is less stringent. [40 CFR 60.482-10(b)]
98. Enclosed combustion devices shall be designed and operated to reduce the VOC emissions vented to them with an efficiency of 95 percent or greater, or to an exit concentration of 20 parts per million by volume, on a dry basis, corrected to 3 percent oxygen, whichever is less stringent or to provide a minimum residence time of 0.75 seconds at a minimum temperature of 816 °C. [40 CFR 60.482-10(c)]
99. If the vapor collection system or closed vent system is constructed of hard-piping, the owner or operator shall conduct an initial inspection according to the procedures specified in EPA Method 21 using the calibration gases as specified in the requirements for this permit unit. The owner or operator shall also conduct annual visual inspections for visible, audible, or olfactory indications of leaks. [40 CFR 60.482-10(f)(1) and 40 CFR 60.485(b)]

CONDITIONS CONTINUE ON NEXT PAGE

100. If the vapor collection system or closed vent system is constructed of ductwork, the owner or operator shall conduct an initial inspection and annual inspections according to the procedures specified in EPA Method 21 using the calibration gases as specified in the requirements for this permit unit. The owner or operator shall also conduct annual visual inspections for visible, audible, or olfactory indications of leaks. [40 CFR 60.482-10(f)(2) and 40 CFR 60.485(b)]
101. Any parts of the closed vent system that are designated as difficult to inspect are exempt from the inspection requirements of 40 CFR 60.482-10(f)(1) and (f)(2) if the owner or operator complies with the following: 1) the owner or operator determines that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface; and 2) the process unit within which the closed vent system is located becomes an affected facility through modification or reconstruction, as defined in 40 CFR 60.14 and 60.15, or the owner or operator designates less than 3.0 percent of the total number of closed vent system equipment as difficult to inspect; and 3) the owner or operator has a written plan that requires inspection of the equipment at least every 5 years. A closed vent system is exempt from inspection if it is operated under a vacuum. [40 CFR 60.482-10(k)]
102. Closed vent systems and control devices shall be operated at all times when emissions may be vented to them. [40 CFR 60.482-10(m)]
103. A log shall be maintained containing the following information: 1) identification of all parts of the closed vent system that are designated as unsafe to inspect, an explanation of why the equipment is unsafe to inspect, and the plan for inspecting the equipment; 2) identification of all parts of the closed vent system that are designated as difficult to inspect, an explanation of why the equipment is difficult to inspect, and the plan for inspecting the equipment; 3) for each inspection conducted in accordance with EPA Method 21 during which no leaks are detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected; and 4) for each visual inspection conducted for visible, audible, or olfactory indications of leaks during which no leaks are detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected. [40 CFR 60.482-10(l) and 40 CFR 60.485(b)]
104. For components subject to applicable NSPS requirements, semiannual reports shall be submitted to the APCO containing the following information: 1) process unit identification, 2) for each month during the reporting period, number of valves, pumps, compressors, and pressure relief devices for which leaks were detected; number of valves, pumps, compressors, and pressure relief devices for which leaks were not repaired within 15 days and a first attempt not made within 5 days of leak detection; the facts that explain each delay of repair and, where appropriate, why a process unit shutdown was technically infeasible 3) dates of process unit shutdowns which occurred within the reporting period, and 4) revisions to items reported in the initial or subsequent semiannual reports. [40 CFR 60.487(a) and (c) and 60.636(c)]
105. All logs required for this permit unit and all records of required monitoring data and support information shall be retained by the operator for a minimum of five years after the date of an entry, kept in a readily accessible location, and made available upon request to District personnel. [District Rules 2520, 9.4.2 and 4409, 6.2.3]
106. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 91 lb, 2nd quarter - 91 lb, 3rd quarter - 91 lb, and fourth quarter - 91 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 12/15/05). [District Rule 2201]
107. ERC Certificate Number S-1668-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2234-200-0

ISSUANCE DATE: 02/23/2009

LEGAL OWNER OR OPERATOR: OCCIDENTAL OF ELK HILLS INC
MAILING ADDRESS: 10800 STOCKDALE HIGHWAY
BAKERSFIELD, CA 93311

LOCATION: GAS PLANT
SECTION SE-35, T-30S, R-23E
TUPMAN, CA

EQUIPMENT DESCRIPTION:

ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (R-22) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Operator shall notify the District by letter or fax at least 48-hours in advance of the re-location of this compressor skid. [District Rule 2201]
3. Operator shall maintain records of compressor skid location and dates spent at each location and make such records available for District inspection upon request. [District Rule 2201]
4. Compressor skid shall not operate within 1,000 feet of a kindergarten through 12 grade school. [CH&SC Section 42301.6]
5. Compressor skid shall only be used in conjunction with gas processing operations where gas is routed to a gas plant, sales line, or gas injection well. Compressor skid shall not be used as part of a permitted operation without first obtaining an Authority to Construct to modify the operation to include the compressor skid. [District Rule 2201]
6. Permittee shall maintain accurate component count for compressor skid according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201]
7. Fugitive VOC emissions from compressor skid shall not exceed 0.46 lb/ day. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

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8. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rules 2201]
9. VOC content of the gas stream processed shall be tested upon implementation of this Authority to Construct and thereafter not less than annually. [District Rule 2201]
10. VOC content of gas shall be determined by ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201]
11. Permittee shall maintain a record of the VOC content test results for a period of five years and make such records available for inspection upon request. [District Rule 1070]
12. There shall be no leaks from fugitive components in liquid service greater than three (3) drops per minute. [District Rules 2201 and 4403]
13. All piping, connectors, valves, seals, and fittings shall be constructed and maintained such that there are no components leaking in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201]
14. All piping, connectors, valves, seals, and fittings shall be inspected, tagged and repaired in accordance with the requirements set forth in District rule 4409. [District Rule 2201]
15. Operator shall maintain an inspection log and record keeping in accordance with the requirements set forth in District rule 4409. [District Rule 2201]
16. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2234-201-0

ISSUANCE DATE: 02/23/2009

LEGAL OWNER OR OPERATOR: OCCIDENTAL OF ELK HILLS INC
MAILING ADDRESS: 10800 STOCKDALE HIGHWAY
BAKERSFIELD, CA 93311

LOCATION: GAS PLANT
SECTION SE-35, T-30S, R-23E
TUPMAN, CA

EQUIPMENT DESCRIPTION:
ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-107) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Operator shall notify the District by letter or fax at least 48-hours in advance of the re-location of this compressor skid. [District Rule 2201]
3. Operator shall maintain records of compressor skid location and dates spent at each location and make such records available for District inspection upon request. [District Rule 2201]
4. Compressor skid shall not operate within 1,000 feet of a kindergarten through 12 grade school. [CH&SC Section 42301.6]
5. Compressor skid shall only be used in conjunction with gas processing operations where gas is routed to a gas plant, sales line, or gas injection well. Compressor skid shall not be used as part of a permitted operation without first obtaining an Authority to Construct to modify the operation to include the compressor skid. [District Rule 2201]
6. Permittee shall maintain accurate component count for compressor skid according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201]
7. Fugitive VOC emissions from compressor skid shall not exceed 0.35 lb/ day. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

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DAVID WARNER, Director of Permit Services
S-2234-201-0 : Aug 4 2011 11:08AM - ROEDERS : Joint Inspection NOT Required

8. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rules 2201]
9. VOC content of the gas stream processed shall be tested upon implementation of this Authority to Construct and thereafter not less than annually. [District Rule 2201]
10. VOC content of gas shall be determined by ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201]
11. Permittee shall maintain a record of the VOC content test results for a period of five years and make such records available for inspection upon request. [District Rule 1070]
12. There shall be no leaks from fugitive components in liquid service greater than three (3) drops per minute. [District Rules 2201]
13. All piping, connectors, valves, seals, and fittings shall be constructed and maintained such that there are no components leaking in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201]
14. All piping, connectors, valves, seals, and fittings shall be inspected, tagged and repaired in accordance with the requirements set forth in District rule 4409. [District Rule 2201]
15. Operator shall maintain an inspection log and record keeping in accordance with the requirements set forth in District rule 4409. [District Rule 2201]
16. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2234-202-0

ISSUANCE DATE: 02/23/2009

LEGAL OWNER OR OPERATOR: OCCIDENTAL OF ELK HILLS INC
MAILING ADDRESS: 10800 STOCKDALE HIGHWAY
BAKERSFIELD, CA 93311

LOCATION: GAS PLANT
SECTION SE-35, T-30S, R-23E
TUPMAN, CA

EQUIPMENT DESCRIPTION:
ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-55) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Operator shall notify the District by letter or fax at least 48-hours in advance of the re-location of this compressor skid. [District Rule 2201]
3. Operator shall maintain records of compressor skid location and dates spent at each location and make such records available for District inspection upon request. [District Rule 2201]
4. Compressor skid shall not operate within 1,000 feet of a kindergarten through 12 grade school. [CH&SC Section 42301.6]
5. Compressor skid shall only be used in conjunction with gas processing operations where gas is routed to a gas plant, sales line, or gas injection well. Compressor skid shall not be used as part of a permitted operation without first obtaining an Authority to Construct to modify the operation to include the compressor skid. [District Rule 2201]
6. Permittee shall maintain accurate component count for compressor skid according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201]
7. Fugitive VOC emissions from compressor skid shall not exceed 0.35 lb/ day. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

COPY

DAVID WARNER, Director of Permit Services
S-2234-202-0 : Aug 4 2011 11:08AM - ROEDERS : Joint Inspection NOT Required

8. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rules 2201]
9. VOC content of the gas stream processed shall be tested upon implementation of this Authority to Construct and thereafter not less than annually. [District Rule 2201]
10. VOC content of gas shall be determined by ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201]
11. Permittee shall maintain a record of the VOC content test results for a period of five years and make such records available for inspection upon request. [District Rule 1070]
12. There shall be no leaks from fugitive components in liquid service greater than three (3) drops per minute. [District Rules 2201]
13. All piping, connectors, valves, seals, and fittings shall be constructed and maintained such that there are no components leaking in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201]
14. All piping, connectors, valves, seals, and fittings shall be inspected, tagged and repaired in accordance with the requirements set forth in District rule 4409. [District Rule 2201]
15. Operator shall maintain an inspection log and record keeping in accordance with the requirements set forth in District rule 4409. [District Rule 2201]
16. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2234-203-0

ISSUANCE DATE: 02/23/2009

LEGAL OWNER OR OPERATOR: OCCIDENTAL OF ELK HILLS INC
MAILING ADDRESS: 10800 STOCKDALE HIGHWAY
BAKERSFIELD, CA 93311

LOCATION: GAS PLANT
SECTION SE-35, T-30S, R-23E
TUPMAN, CA

EQUIPMENT DESCRIPTION:
ELECTRIC MOTOR DRIVEN COMPRESSOR SKID (K-56) AUTHORIZED FOR OPERATION AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE GAS PROCESSING STATIONARY SOURCE

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Operator shall notify the District by letter or fax at least 48-hours in advance of the re-location of this compressor skid. [District Rule 2201]
3. Operator shall maintain records of compressor skid location and dates spent at each location and make such records available for District inspection upon request. [District Rule 2201]
4. Compressor skid shall not operate within 1,000 feet of a kindergarten through 12 grade school. [CH&SC Section 42301.6]
5. Compressor skid shall only be used in conjunction with gas processing operations where gas is routed to a gas plant, sales line, or gas injection well. Compressor skid shall not be used as part of a permitted operation without first obtaining an Authority to Construct to modify the operation to include the compressor skid. [District Rule 2201]
6. Permittee shall maintain accurate component count for compressor skid according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201]
7. Fugitive VOC emissions from compressor skid shall not exceed 0.35 lb/ day. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

COPY

DAVID WARNER, Director of Permit Services
S-2234-203-0 : Aug 4 2011 11:08AM - ROEDERS : Joint Inspection NOT Required

8. VOC content of the gas stream processed shall not exceed 50% of the total hydrocarbon content by weight. [District Rules 2201]
9. VOC content of the gas stream processed shall be tested upon implementation of this Authority to Construct and thereafter not less than annually. [District Rule 2201]
10. VOC content of gas shall be determined by ASTM D1945, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201]
11. Permittee shall maintain a record of the VOC content test results for a period of five years and make such records available for inspection upon request. [District Rule 1070]
12. There shall be no leaks from fugitive components in liquid service greater than three (3) drops per minute. [District Rules 2201]
13. All piping, connectors, valves, seals, and fittings shall be constructed and maintained such that there are no components leaking in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201]
14. All piping, connectors, valves, seals, and fittings shall be inspected, tagged and repaired in accordance with the requirements set forth in District rule 4409. [District Rule 2201]
15. Operator shall maintain an inspection log and record keeping in accordance with the requirements set forth in District rule 4409. [District Rule 2201]
16. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]

ATTACHMENT C

Emissions Increases

Emissions Increases Unit	SSIPE (lb/yr)				
	NOx	SO _x	PM ₁₀	CO	VOC
S-2234-143-0	0	0	0	0	128
S-2234-143-1	0	0	0	0	0
S-2234-175-0	0	0	0	0	365
S-2234-200-0	0	0	0	0	168
S-2234-201-0	0	0	0	0	128
S-2234-202-0	0	0	0	0	128
S-2234-203-0	0	0	0	0	128
TOTAL	0	0	0	0	1045

ATTACHMENT D
Application with CCF

San Joaquin Valley Air Pollution Control District RECEIVED

www.valleyair.org

AUG - 5 2011

Permit Application For:

SJVAPCD
Southern Region

[] ADMINISTRATIVE AMENDMENT [X] MINOR MODIFICATION [] SIGNIFICANT MODIFICATION

1. PERMIT TO BE ISSUED TO: Occidental of Elk Hills, Inc.	
2. MAILING ADDRESS:	
STREET/P.O. BOX: 10800 Stockdale Highway	
CITY: Bakersfield	STATE: CA 9-DIGIT ZIP CODE: 93311
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED:	
STREET: Elk Hills CITY: Tupman	INSTALLATION DATE:
<small>1/4 SECTION</small> _____ <small>TOWNSHIP</small> _____ <small>RANGE</small> _____	
4. GENERAL NATURE OF BUSINESS: Oil and Natural Gas Production	
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary)	
S-2234-143-0, 143-1, 175-0, 200-0, 201-0, 202-0 and 203-0	
6. TYPE OR PRINT NAME OF APPLICANT: Dennis J. Champion, PE	TITLE OF APPLICANT: Sr Environmental Engineer
7. SIGNATURE OF APPLICANT: 	DATE: 08/04/11
	PHONE: (661) 412-5214 : _____ FAX: (661) 412-5270 EMAIL: Dennis_champion@oxy.com

For APCD Use Only:

DATE STAMP	FILING FEE RECEIVED: \$ _____ CHECK#: _____
	DATE PAID: _____
	PROJECT NO: S-1113714 FACILITY ID: S-2234

Title V - MM

San Joaquin Valley
Unified Air Pollution Control District

RECEIVED
AUG - 5 2011
SJVAPCD
Southern Region

TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

I. TYPE OF PERMIT ACTION (Check appropriate box)

- SIGNIFICANT PERMIT MODIFICATION ADMINISTRATIVE AMENDMENT
 MINOR PERMIT MODIFICATION

COMPANY NAME: Occidental of Elk Hills, Inc	FACILITY ID: S - 2234
1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: Occidental of Elk Hills, Inc	
3. Agent to the Owner: Occidental of Elk Hills, Inc.	

II. COMPLIANCE CERTIFICATION (Read each statement carefully and initial all circles for confirmation):

- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s).
- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.
- Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.
- Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:

Armando M. Gonzalez
Signature of Responsible Official

August 4, 2011
Date

Armando Gonzalez

Name of Responsible Official (please print)
Manager, Health, Environment, Safety, and Security

Title of Responsible Official (please print)

ATTACHMENT E
Previous TV PTOs

(There are no previous TV Permits)