



JUL 15 2016

Mr. William Shaffer
California Resources Production Corporation, LLC
PO Box 9600 Ming Ave
Bakersfield, CA 93311

Re: Notice of Minor Title V Permit Modification
District Facility # S-8282
Minor Modification Project # S1142746
Administrative Amendment Projects# S1152033

Dear Mr. Shaffer:

Enclosed is the District's analysis of your applications for a Title V Minor Modification and Administrative Amendment for the facility's permit identified above. You proposed a Title V Minor Modification/Administrative Amendment to incorporate recently issued S-8282-113-3, '-113-4, '-141-0, '-142-0, '-143-0, and '-144-0 (under project S1142021 and S1142405) into the Title V operating permit. The projects authorize the installation of four VDDs serving the vapor control system listed on permit S-8282-113.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued ATCs being converted, emission increases, application, previous Title V permit, and PTOs to be issued. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

If you have any questions, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

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
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585

JUL 15 2016

Mr. William Shaffer
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Thank you for your cooperation in this matter.

Sincerely,


for Arnaud Marjollet

Director of Permit Services

Enclosures

cc: Gerardo C. Rios, EPA (w/enclosure) via email

TITLE V APPLICATION REVIEW

Minor Modification Project #: S1142746
Administrative Amendment Project #: S1152033

Engineer: Steve Davidson
Date: July 5, 2016

RWK 7-13-16

Facility Number: S-8282
Facility Name: California Resources Production Corporation, LLC
Mailing Address: PO Box 9600 Ming Ave
Bakersfield, CA 93311

Contact Name: Doug Shaffer
Phone: (661) 869-8237

Responsible Official: Nick Goodman
Title: Operations Manager, Central Valley Operations

I. PROPOSAL

California Resources Production Corporation (CRCP) is proposing to modify their Title V permit to incorporate Authorities to Construct (ATC) # S-8282-113-3, '-113-4, '-141-0, '-142-0, '-143-0, and '-144-0 into CRCP's Title V permit. These ATCs were authorized in projects S1142021 and S-1142405. A brief summary of each project follows:

S1142021: ATCs S-8282-113-3, '-141-0, and '-142-0 were issued as a result of this project. The project authorized the installation of two VDDs serving the vapor control system listed on permits S-8282-113. This project was not processed with a Certificate of Conformity (COC); therefore, CRPC submitted a Title V Minor Modification application prior to operating under the revised provisions of the ATC(s) issued with this project.

S1142405: ATCs S-8282-113-4, '-143-0, and '-144-0 were issued as a result of this project. The project authorized the S-8282-113-4, '-143-0, & '-144-0 installation install two new VOC Destruction Devices (VDD) and authorize them as control devices for the vapor control systems listed on portable tank operation S-8282-113. This project was processed with a Certificate of Conformity (COC); however, the ATCs will be converted concurrently with Minor Modification project S1142746.

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 may operate at various unspecified locations in CRPC's Light Oil Western stationary source.

III. EQUIPMENT DESCRIPTION

Authorities to Construct:

- S-8282-113-3: MODIFICATION OF 500 BBL PORTABLE FIXED ROOF TANK WITH PERMIT EXEMPT WELL TEST SEPARATOR, 3-PHASE SEPARATOR, SERVED BY VAPOR CONTROL SYSTEM SHARED WITH S-8282-113, '-114, '-115, '-116, '-117, '-118, '-119, '-120, AND '-121, VENTED TO APPROVED GAS GATHERING SYSTEM OR VOC DESTRUCTION DEVICES LISTED ON S-8282-123, S-8282-135, AND S-8282-136: REMOVE REFERENCE TO PERMIT S-8282-123 AND AUTHORIZE VAPOR CONTROL SYSTEM TO VENT TO VOC DESTRUCTION DEVICES LISTED ON PERMITS S-8282-141 AND '-142
- S-8282-113-4: MODIFICATION OF 500 BBL PORTABLE FIXED ROOF TANK WITH PERMIT EXEMPT WELL TEST SEPARATOR, 3-PHASE SEPARATOR, SERVED BY VAPOR CONTROL SYSTEM SHARED WITH S-8282-113, '-114, '-115, '-116, '-117, '-118, '-119, '-120, AND '-121, VENTED TO APPROVED GAS GATHERING SYSTEM OR VOC DESTRUCTION DEVICES LISTED ON S-8282-135, '-136, '-141 AND '-142: AUTHORIZE VAPOR CONTROL SYSTEM TO VENT TO VOC DESTRUCTION DEVICES LISTED ON PERMITS S-8282-143 AND '-144
- S-8282-141-0: UP TO 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE (OR EQUIVALENT) AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113, AND/OR '-122 AND SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LOWSS
- S-8282-142-0: UP TO 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE (OR EQUIVALENT) AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113, AND/OR '-122 AND SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LOWSS

S-8282-143-0: UP TO 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE (OR EQUIVALENT) AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113 AND/OR '-122 AND SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LIGHT OIL WESTERN STATIONARY SOURCE

S-8282-144-0: UP TO 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE (OR EQUIVALENT) AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113 AND/OR '-122 AND SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LIGHT OIL WESTERN STATIONARY SOURCE

Post Project Equipment :

S-8282-113-5: 500 BBL PORTABLE FIXED ROOF TANK WITH PERMIT EXEMPT WELL TEST SEPARATOR, 3-PHASE SEPARATOR, SERVED BY VAPOR CONTROL SYSTEM SHARED WITH S-8282-113, '-114, '-115, '-116, '-117, '-118, '-119, '-120, AND '-121, VENTED TO APPROVED GAS GATHERING SYSTEM OR VOC DESTRUCTION DEVICES LISTED ON S-8282-135, '-136, '-141, '-142, '-143 AND '-144

S-8282-141-1: 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE (OR EQUIVALENT) AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113, AND/OR '-122 AND SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LOWSS

S-8282-142-1: 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE (OR EQUIVALENT) AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113, AND/OR '-122 AND SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LOWSS

S-8282-143-0: 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE (OR EQUIVALENT) AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113 AND/OR '-122 AND SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LIGHT OIL WESTERN STATIONARY SOURCE

S-8282-144-0: 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE (OR EQUIVALENT) AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113 AND/OR '-122 AND SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LIGHT OIL WESTERN STATIONARY SOURCE

IV. SCOPE OF EPA AND PUBLIC REVIEW

The changes to the Title V permit are considered to be Administrative Amendments and Minor Modifications and require no public review.

V. APPLICABLE REQUIREMENTS

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

VI. DESCRIPTION OF PROPOSED MODIFICATIONS

Project S1152033 was issued with a Certificate of Conformity. Therefore, EPA has already approved the following ATCs:

S-8282-113-4, '-143-0, and '-144-0

ATCs S-8282-113-3, '-122-3, '-141-0, and '-142-0 were proposed in project S1142021 which was not processed with a Certificate of Conformity (COC); therefore, a description of project S1142021 and ATCs are listed below:

Project S1142021 authorized for the installation of two 40 MMBtu Coyote North LTD Model CNTOX6 VOC destruction devices (VDD). The VDDs replaced two 40 MMBtu/hr Bekaert model CEB 1200 VDDs as control devices for the vapor control system listed on permit S-8282-113.

Condition # on Existing PTO S-1327-113-8	Condition # on Propose PTO S-1327-13-5	Condition is New, Modified, or Removed	Reason for Change from Current PTO
4	4	Modified	Condition modified to include all District approved VOC destruction devices.

ATC S-8282-141-0, and '-142-0 are new permit units; therefore, there is no existing Title V PTOs that are being modifying. The ATC conditions will be carried over to the proposed PTO with the following exceptions which will be removed:

- {1829} 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] Y
- ATCs S-8282-113-X and '-122-X¹ shall be implemented concurrent with this ATC. [District Rule 2201] Y
- Permit S-8282-123 shall be canceled prior to or concurrent with this ATC. [District Rule 2201] Y

¹Please note: ATC S-8282-122-3 was canceled and replaced in S-1150006 and converted in Title V project S-1151307)

ATC S-8282-143-0, and '-144-0 are new permit units; therefore, there is no existing Title V PTOs that it will be modifying. The ATC conditions will be carried over to the proposed PTO with the following exceptions which will be removed:

- {1830} This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Y
- {1831} Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Y
- ATCs S-8282-113-4 and '-122-4¹ shall be implemented concurrent with this ATC. [District Rule 2201] Y

The ERC required by the conditions below have been withdrawn:

- Prior to operating equipment under this Authority to Construct, permittee shall surrender NOX emission reduction credits for the following quantity of emissions: 1st quarter - 3022 lb, 2nd quarter - 3022 lb, 3rd quarter - 3022 lb, and fourth quarter - 3022 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201] Y
- Prior to operating equipment under this Authority to Construct, permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 1235 lb, 2nd quarter - 1235 lb, 3rd quarter - 1235 lb, and fourth quarter - 1235 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201] Y

- Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 540 lb, 2nd quarter - 540 lb, 3rd quarter - 540 lb, and fourth quarter - 540 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201] Y
- ERC Certificate Numbers C-1290-2, C-1294-5, and S-4031-1 (or certificates split from these certificates) 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] Y

¹Please note: ATC S-8282-122-3 was canceled and replaced in S-1150006 and converted in Title V project S-1151307)

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.

Because these permit revisions meet all the above criteria, this is a Minor Modification.

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 (S-8282-113-5, '-141-1, '-142-1, '-143-0, and '-144-0)
- B. Authorities to Construct (S-8282-113-3, '-113-4, '-141-0, '-142-0, '-141-1, and '-142-1)
- C. Emissions Increases
- D. Application
- E. Previous Title V Operating Permit (s-8282-113-2)

ATTACHMENT A

Proposed Modified Title V Operating Permit
(S-8282-113-5, '-141-1, '-142-1, '-143-0, and '-
144-0)

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-8282-113-5

EXPIRATION DATE: 08/31/2016

EQUIPMENT DESCRIPTION:

500 BBL PORTABLE FIXED ROOF TANK WITH PERMIT EXEMPT WELL TEST SEPARATOR, 3-PHASE SEPARATOR, SERVED BY VAPOR CONTROL SYSTEM SHARED WITH S-8282-113, '-114, '-115, '-116, '-117, '-118, '-119, '-120, AND '-121, VENTED TO APPROVED GAS GATHERING SYSTEM OR VOC DESTRUCTION DEVICES LISTED ON S-8282-135, '-136, '-141, '-142, '-143 AND '-144

PERMIT UNIT REQUIREMENTS

1. Unit shall not be located within 1000 feet of any K-12 school. [CH&SC 42301.6]
2. The portable well test operation shall not operate within 1,000 feet of the nearest receptor. [District Rule 4102]
3. Permittee shall notify the District Compliance Division in writing of each location at which the operation is located in excess of 24 hours. Such notification shall be made no later than 48 hours after starting operation at the location. [District Rule 1070]
4. The tank shall be equipped with a vapor recovery system consisting of a closed vent system that collects all VOCs from the storage tank, and a VOC control device. The vapor recovery system shall be APCO-approved and maintained in leak-free condition. Vapors shall be discharged to field gas gathering system or a VOC destruction device listed on permit S-8282-135, '-136, '-141, '-142, '-143 or '-144 . [District Rule 4623] Federally Enforceable Through Title V Permit
5. All piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rules 4409 and 4623] Federally Enforceable Through Title V Permit
6. For the components associated with the tank and components within 5 foot of the tank, a leak-free 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. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
7. For the components associated with the vapor control equipment and other equipment at the facility, a leak-free condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 2,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623] Federally Enforceable Through Title V Permit
9. VOC fugitive emissions from the components in gas service on tank and tank vapor collection system shall not exceed 0.44 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Permittee shall maintain accurate component count for tank according to EPA's "Protocol for Equipment Leak Emission Estimate," Table 2-4, Oil and Gas Production Operations Average Emission Factors. Permittee shall update such records when new components are approved and installed. [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.

11. All piping, fittings, and valves on this tank 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 leaking provisions of this permit. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
12. Any component found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rule 4623] Federally Enforceable Through Title V Permit
13. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
14. Operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually or ultrasonically inspect as appropriate, the external shells and roofs of uninsulated tanks for structural integrity annually. [District Rule 4623] Federally Enforceable Through Title V Permit
15. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit
16. Upon detection of a gas leak, the operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
17. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. Operator shall maintain records of the liquid or gas leak detection readings, date/time the leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 4623] Federally Enforceable Through Title V Permit
18. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rule 4623] Federally Enforceable Through Title V Permit
19. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If no components are found to leak after four consecutive quarters, the operator may revert to annual inspections. [District Rule 4623] Federally Enforceable Through Title V Permit
20. While performing tank cleaning activities, operators may only use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. [District Rule 4623] Federally Enforceable Through Title V Permit
21. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623] Federally Enforceable Through Title V Permit
22. During sludge removal, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623] Federally Enforceable Through Title V Permit
23. Permittee shall only transport removed sludge in closed, liquid leak-free containers. [District Rule 4623] 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.

24. Permittee shall store removed sludge, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623] Federally Enforceable Through Title V Permit
25. Operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520] 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-8282-141-1

EXPIRATION DATE: 08/31/2016

EQUIPMENT DESCRIPTION:

40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113, AND/OR '-122 AND SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LOWSS

PERMIT UNIT REQUIREMENTS

1. Unit shall not be located within 1000 feet of any K-12 school. [CH&SC 42301.6]
2. Vapor destruction device shall operate at least 1,000 feet of the property boundary. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
5. Emission rates from this unit shall not exceed any of the following limits: 0.023 lb-NO_x/MMBtu; 0.014 lb-SO_x/MMBtu; 0.008 lb-PM₁₀/MMBtu; 0.008 lb-CO/MMBtu; or 0.004 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Total combined heat input of units S-8282-141 and '-142 shall not exceed 547,500 MMBtu/yr [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall document compliance with the annual heat input limit required by this permit by calculation using the volume of gas combusted at each location and the HHV of the gas. The HHV of the gas shall be determined by sampling and testing at each location of operation within a week of startup at that location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. A flame shall be present at all times when combustible gases are vented. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Records of monthly natural gas combusted shall be maintained, retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-8282-142-1

EXPIRATION DATE: 08/31/2016

EQUIPMENT DESCRIPTION:

40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113 AND/OR '-122 AND SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LOWSS

PERMIT UNIT REQUIREMENTS

1. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this Authority to Construct. Approval of the equivalent equipment shall be made only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the specifically authorized equipment. [District Rule 2201]
2. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emission rates, equipment drawing(s), and operational characteristics/parameters [District Rule 2201]
3. Alternate equipment shall be of the same class and category of source as the equipment authorized by the Authority to Construct. [District Rule 2201]
4. No emission factor and no emission shall be greater for the alternate equipment than for the proposed equipment. No changes in the hours of operation, operating rate, throughput, or firing rate may be authorized for any alternate equipment. [District Rule 2201]
5. Unit shall not be located within 1000 feet of any K-12 school. [CH&SC 42301.6]
6. Vapor destruction device shall operate at least 1,000 feet of the property boundary. [District Rule 4102]
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
8. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
9. Emission rates from this unit shall not exceed any of the following limits: 0.023 lb-NO_x/MMBtu; 0.014 lb-SO_x/MMBtu; 0.008 lb-PM₁₀/MMBtu; 0.008 lb-CO/MMBtu; or 0.004 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total combined heat input of units S-8282-141 and '-142 shall not exceed 547,500 MMBtu/yr [District Rule 2201] Federally Enforceable Through Title V Permit
11. Permittee shall document compliance with the annual heat input limit required by this permit by calculation using the volume of gas combusted at each location and the HHV of the gas. The HHV of the gas shall be determined by sampling and testing at each location of operation within a week of startup at that location. [District Rule 2201] Federally Enforceable Through Title V Permit
12. A flame shall be present at all times when combustible gases are vented. [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. Records of monthly natural gas combusted shall be maintained, retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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

AUTHORITY TO CONSTRUCT

DRAFT

PERMIT NO: S-8282-143-0

ISSUANCE DATE: 11/20/2014

LEGAL OWNER OR OPERATOR: CALIFORNIA RESOURCES PRODUCTION CORP.
MAILING ADDRESS: 11109 RIVER RUN BLVD
BAKERSFIELD, CA 93311

LOCATION: LIGHT OIL WESTERN STATIONARY SOURCE
KERN COUNTY, CA

EQUIPMENT DESCRIPTION:

UP TO 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE (OR EQUIVALENT)
AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113 AND/OR '-122 AND
SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LIGHT OIL WESTERN STATIONARY
SOURCE

CONDITIONS

1. {1830} This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. {1831} Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. ATCs S-8282-113-4 and '-122-4 shall be implemented concurrent with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Prior to operating equipment under this Authority to Construct, permittee shall surrender NOX emission reduction credits for the following quantity of emissions: 1st quarter - 3022 lb, 2nd quarter - 3022 lb, 3rd quarter - 3022 lb, and fourth quarter - 3022 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Prior to operating equipment under this Authority to Construct, permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 1235 lb, 2nd quarter - 1235 lb, 3rd quarter - 1235 lb, and fourth quarter - 1235 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit

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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Arnaud Marjolle, Director of Permit Services

S-8282-143-0 : Jul 5 2016 10:41AM - DAVIDSOS : Joint Inspection Required with DAVIDSOS

6. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 540 lb, 2nd quarter - 540 lb, 3rd quarter - 540 lb, and fourth quarter - 540 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit
7. ERC Certificate Numbers C-1290-2, C-1294-5, and S-4031-1 (or certificates split from these certificates) 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] Federally Enforceable Through Title V Permit
8. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this Authority to Construct. Approval of the equivalent equipment shall be made only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the specifically authorized equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emission rates, equipment drawing(s), and operational characteristics/parameters [District Rule 2201] Federally Enforceable Through Title V Permit
10. Alternate equipment shall be of the same class and category of source as the equipment authorized by the Authority to Construct. [District Rule 2201] Federally Enforceable Through Title V Permit
11. No emission factor and no emission shall be greater for the alternate equipment than for the proposed equipment. No changes in the hours of operation, operating rate, throughput, or firing rate may be authorized for any alternate equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
12. This unit may not operate within 420 meters (1,378 feet) of a residential receptor [District Rule 4102] Federally Enforceable Through Title V Permit
13. This unit may not operate within 100 meters (305 feet) of a business receptor and/or the facility boundary. [District Rule 4102] Federally Enforceable Through Title V Permit
14. This unit may only operate within the portion of Township 32S, Range 25E directly north of S. Lake Road. [District Rule 4102] Federally Enforceable Through Title V Permit
15. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102] Federally Enforceable Through Title V Permit
16. Unit shall not be located within 1000 feet of any K-12 school. [CH&SC 42301.6]
17. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
18. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
19. Emission rates from this unit shall not exceed any of the following limits: 0.023 lb-NO_x/MMBtu; 0.014 lb-SO_x/MMBtu; 0.008 lb-PM₁₀/MMBtu; 0.008 lb-CO/MMBtu; or 0.004 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Permittee shall document compliance with the annual heat input limit required by this permit by calculation using the volume of gas combusted at each location and the HHV of the gas. The HHV of the gas shall be determined by sampling and testing at each location of operation within a week of startup at that location. [District Rule 2201] Federally Enforceable Through Title V Permit
21. A flame shall be present at all times when combustible gases are vented. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Records of monthly natural gas combusted shall be maintained, retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

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San Joaquin Valley
Air Pollution Control District

AUTHORITY TO CONSTRUCT

DRAFT

PERMIT NO: S-8282-144-0

ISSUANCE DATE: 11/20/2014

LEGAL OWNER OR OPERATOR: CALIFORNIA RESOURCES PRODUCTION CORP.
MAILING ADDRESS: 11109 RIVER RUN BLVD
BAKERSFIELD, CA 93311

LOCATION: LIGHT OIL WESTERN STATIONARY SOURCE
KERN COUNTY, CA

EQUIPMENT DESCRIPTION:

UP TO 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE (OR EQUIVALENT)
AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113 AND/OR '-122 AND
SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LIGHT OIL WESTERN STATIONARY
SOURCE

CONDITIONS

1. {1830} This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. {1831} Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. ATCs S-8282-113-4 and '-122-4 shall be implemented concurrent with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Prior to operating equipment under this Authority to Construct, permittee shall surrender NOX emission reduction credits for the following quantity of emissions: 1st quarter - 3022 lb, 2nd quarter - 3022 lb, 3rd quarter - 3022 lb, and fourth quarter - 3022 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Prior to operating equipment under this Authority to Construct, permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 1235 lb, 2nd quarter - 1235 lb, 3rd quarter - 1235 lb, and fourth quarter - 1235 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit

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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Arnaud Marjolle, Director of Permit Services
S-8282-144-0 : Jul 5 2016 10:42AM -- DAVIDSOS : Joint Inspection Required with DAVIDSOS

6. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 540 lb, 2nd quarter - 540 lb, 3rd quarter - 540 lb, and fourth quarter - 540 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit
7. ERC Certificate Numbers C-1290-2, C-1294-5, and S-4031-1 (or certificates split from these certificates) 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] Federally Enforceable Through Title V Permit
8. Upon implementation of this ATC and surrender of the aforementioned ERC Certificates, this unit is fully offset for NOx, SOx, PM10, and VOCs [District Rule 2201] Federally Enforceable Through Title V Permit
9. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this Authority to Construct. Approval of the equivalent equipment shall be made only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the specifically authorized equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emission rates, equipment drawing(s), and operational characteristics/parameters [District Rule 2201] Federally Enforceable Through Title V Permit
11. Alternate equipment shall be of the same class and category of source as the equipment authorized by the Authority to Construct. [District Rule 2201] Federally Enforceable Through Title V Permit
12. No emission factor and no emission shall be greater for the alternate equipment than for the proposed equipment. No changes in the hours of operation, operating rate, throughput, or firing rate may be authorized for any alternate equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
13. This unit may not operate within 420 meters (1,378 feet) of a residential receptor [District Rule 4102] Federally Enforceable Through Title V Permit
14. This unit may not operate within 100 meters (305 feet) of a business receptor and/or the facility boundary. [District Rule 4102] Federally Enforceable Through Title V Permit
15. This unit may only operate within the portion of Township 32S, Range 25E directly north of S. Lake Road. [District Rule 4102] Federally Enforceable Through Title V Permit
16. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102] Federally Enforceable Through Title V Permit
17. Unit shall not be located within 1000 feet of any K-12 school. [CH&SC 42301.6]
18. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
19. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
20. Emission rates from this unit shall not exceed any of the following limits: 0.023 lb-NOx/MMBtu; 0.014 lb-SOx/MMBtu; 0.008 lb-PM10/MMBtu; 0.008 lb-CO/MMBtu; or 0.004 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Permittee shall document compliance with the annual heat input limit required by this permit by calculation using the volume of gas combusted at each location and the HHV of the gas. The HHV of the gas shall be determined by sampling and testing at each location of operation within a week of startup at that location. [District Rule 2201] Federally Enforceable Through Title V Permit
22. A flame shall be present at all times when combustible gases are vented. [District Rule 2201] Federally Enforceable Through Title V Permit

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CONDITIONS CONTINUE ON NEXT PAGE

23. Records of monthly natural gas combusted shall be maintained, retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

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ATTACHMENT B

Authorities to Construct
(S-8282-113-3, '-113-4, '-141-0, '-142-0, '-141-
1, and '-142-1)



AUTHORITY TO CONSTRUCT

PERMIT NO: S-8282-113-3

ISSUANCE DATE: 05/19/2014

LEGAL OWNER OR OPERATOR: VINTAGE PRODUCTION CALIFORNIA LLC

MAILING ADDRESS: 9600 MING AVE, SUITE 300
BAKERSFIELD, CA 93311

LOCATION: LIGHT OIL WESTERN STATIONARY SOURCE
KERN COUNTY, CA

EQUIPMENT DESCRIPTION:

MODIFICATION OF 500 BBL PORTABLE FIXED ROOF TANK WITH PERMIT EXEMPT WELL TEST SEPARATOR, 3-PHASE SEPARATOR, SERVED BY VAPOR CONTROL SYSTEM SHARED WITH S-8282-113, '-114, '-115, '-116, '-117, '-118, '-119, '-120, AND '-121, VENTED TO APPROVED GAS GATHERING SYSTEM OR VOC DESTRUCTION DEVICES LISTED ON S-8282-123, S-8282-135, AND S-8282-136: REMOVE REFERENCE TO PERMIT S-8282-123 AND AUTHORIZE VAPOR CONTROL SYSTEM TO VENT TO VOC DESTRUCTION DEVICES LISTED ON PERMITS S-8282-141 AND '-142

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. ATCs S-8282-113-2 shall be implemented prior to or concurrent with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. ATCs S-8282-141-0 and '-142-0 shall be implemented concurrent with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Unit shall not be located within 1000 feet of any K-12 school. [CH&SC 42301.6]
5. The portable well test operation shall not operate within 1,000 feet of the nearest receptor. [District Rule 4102]
6. Permittee shall notify the District Compliance Division in writing of each location at which the operation is located in excess of 24 hours. Such notification shall be made no later than 48 hours after starting operation at the location. [District Rule 1070]

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


Arnaud Marjollet, Director of Permit Services

S-8282-113-3 May 19 2014 11:45AM - DAVIDSOS : Joint Inspection NOT Required

7. The tank shall be equipped with a vapor recovery system consisting of a closed vent system that collects all VOCs from the storage tank, and a VOC control device. The vapor recovery system shall be APCO-approved and maintained in leak-free condition. Vapors shall be discharged to field gas gathering system or a VOC destruction device listed on permit S-8282-135, or S-8282-136. [District Rule 4623] Federally Enforceable Through Title V Permit
8. All piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rules 4409 and 4623] Federally Enforceable Through Title V Permit
9. For the components associated with the tank and components within 5 foot of the tank, a leak-free 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. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
10. For the components associated with the vapor control equipment and other equipment at the facility, a leak-free condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 2,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623] Federally Enforceable Through Title V Permit
12. VOC fugitive emissions from the components in gas service on tank and tank vapor collection system shall not exceed 0.44 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Permittee shall maintain accurate component count for tank according to EPA's "Protocol for Equipment Leak Emission Estimate," Table 2-4, Oil and Gas Production Operations Average Emission Factors. Permittee shall update such records when new components are approved and installed. [District Rule 2201] Federally Enforceable Through Title V Permit
14. All piping, fittings, and valves on this tank 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 leaking provisions of this permit. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
15. Any component found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rule 4623] Federally Enforceable Through Title V Permit
16. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
17. Operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually or ultrasonically inspect as appropriate, the external shells and roofs of uninsulated tanks for structural integrity annually. [District Rule 4623] Federally Enforceable Through Title V Permit
18. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit
19. Upon detection of a gas leak, the operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. Operator shall maintain records of the liquid or gas leak detection readings, date/time the leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 4623] Federally Enforceable Through Title V Permit
21. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rule 4623] Federally Enforceable Through Title V Permit
22. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If no components are found to leak after four consecutive quarters, the operator may revert to annual inspections. [District Rule 4623] Federally Enforceable Through Title V Permit
23. While performing tank cleaning activities, operators may only use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees F; solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. [District Rule 4623] Federally Enforceable Through Title V Permit
24. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623] Federally Enforceable Through Title V Permit
25. During sludge removal, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623] Federally Enforceable Through Title V Permit
26. Permittee shall only transport removed sludge in closed, liquid leak-free containers. [District Rule 4623] Federally Enforceable Through Title V Permit
27. Permittee shall store removed sludge, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623] Federally Enforceable Through Title V Permit
28. Operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520] Federally Enforceable Through Title V Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT



AUTHORITY TO CONSTRUCT

PERMIT NO: S-8282-113-4

ISSUANCE DATE: 11/20/2014

LEGAL OWNER OR OPERATOR: VINTAGE PRODUCTION CALIFORNIA LLC
MAILING ADDRESS: 9600 MING AVE, SUITE 300
BAKERSFIELD, CA 93311

LOCATION: LIGHT OIL WESTERN STATIONARY SOURCE
KERN COUNTY, CA

EQUIPMENT DESCRIPTION:

MODIFICATION OF 500 BBL PORTABLE FIXED ROOF TANK WITH PERMIT EXEMPT WELL TEST SEPARATOR, 3-PHASE SEPARATOR, SERVED BY VAPOR CONTROL SYSTEM SHARED WITH S-8282-113, '-114, '-115, '-116, '-117, '-118, '-119, '-120, AND '-121, VENTED TO APPROVED GAS GATHERING SYSTEM OR VOC DESTRUCTION DEVICES LISTED ON S-8282-135, '-136, '-141 AND '-142; AUTHORIZE VAPOR CONTROL SYSTEM TO VENT TO VOC DESTRUCTION DEVICES LISTED ON PERMITS S-8282-143 AND '-144

CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. ATCs S-8282-113-3 shall be implemented prior to or concurrent with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
4. ATCs S-8282-143-0 and '-144-0 shall be implemented concurrent with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Unit shall not be located within 1000 feet of any K-12 school. [CH&SC 42301.6]
6. The portable well test operation shall not operate within 1,000 feet of the nearest receptor. [District Rule 4102] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (861) 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.

Sayed Sadradin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

11/20/2014 10:47AM - DAVIS008 : Joint Inspection Required with DAVIS008

20. Upon detection of a gas leak, the operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
21. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. Operator shall maintain records of the liquid or gas leak detection readings, date/time the leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 4623] Federally Enforceable Through Title V Permit
22. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rule 4623] Federally Enforceable Through Title V Permit
23. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If no components are found to leak after four consecutive quarters, the operator may revert to annual inspections. [District Rule 4623] Federally Enforceable Through Title V Permit
24. While performing tank cleaning activities, operators may only use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. [District Rule 4623] Federally Enforceable Through Title V Permit
25. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623] Federally Enforceable Through Title V Permit
26. During sludge removal, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623] Federally Enforceable Through Title V Permit
27. Permittee shall only transport removed sludge in closed, liquid leak-free containers. [District Rule 4623] Federally Enforceable Through Title V Permit
28. Permittee shall store removed sludge, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623] Federally Enforceable Through Title V Permit
29. Operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520] Federally Enforceable Through Title V Permit



AUTHORITY TO CONSTRUCT

PERMIT NO: S-8282-141-0

ISSUANCE DATE: 05/19/2014

LEGAL OWNER OR OPERATOR: VINTAGE PRODUCTION CALIFORNIA LLC
MAILING ADDRESS: 9600 MING AVE, SUITE 300
BAKERSFIELD, CA 93311

LOCATION: LIGHT OIL WESTERN STATIONARY SOURCE
KERN COUNTY, CA

EQUIPMENT DESCRIPTION:

UP TO 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE (OR EQUIVALENT)
AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113, AND/OR '-122 AND
SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LOWSS

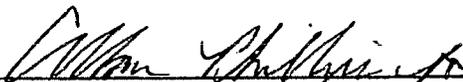
CONDITIONS

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. ATCs S-8282-113-3 and '-122-3 shall be implemented concurrent with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Permit S-8282-123 shall be canceled prior to or concurrent with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this Authority to Construct. Approval of the equivalent equipment shall be made only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the specifically authorized equipment. [District Rule 2201]
5. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emission rates, equipment drawing(s), and operational characteristics/parameters [District Rule 2201]
6. Alternate equipment shall be of the same class and category of source as the equipment authorized by the Authority to Construct. [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


Arnaud Marjollet, Director of Permit Services

S-8282-141-0; May 19 2014 11:45AM - DAVIDSOS : Joint Inspection NOT Required

7. No emission factor and no emission shall be greater for the alternate equipment than for the proposed equipment. No changes in the hours of operation, operating rate, throughput, or firing rate may be authorized for any alternate equipment. [District Rule 2201]
8. Unit shall not be located within 1000 feet of any K-12 school. [CH&SC 42301.6]
9. Vapor destruction device shall operate at least 1,000 feet of the property boundary. [District Rule 4102]
10. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
11. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
12. Emission rates from this unit shall not exceed any of the following limits: 0.023 lb-NO_x/MMBtu; 0.014 lb-SO_x/MMBtu; 0.008 lb-PM₁₀/MMBtu; 0.008 lb-CO/MMBtu; or 0.004 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total combined heat input of units S-8282-141 and '-142 shall not exceed 547,500 MMBtu/yr [District Rule 2201] Federally Enforceable Through Title V Permit
14. Permittee shall document compliance with the annual heat input limit required by this permit by calculation using the volume of gas combusted at each location and the HHV of the gas. The HHV of the gas shall be determined by sampling and testing at each location of operation within a week of startup at that location. [District Rule 2201] Federally Enforceable Through Title V Permit
15. A flame shall be present at all times when combustible gases are vented. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of monthly natural gas combusted shall be maintained, retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit



AUTHORITY TO CONSTRUCT

PERMIT NO: S-8282-142-0

ISSUANCE DATE: 05/19/2014

LEGAL OWNER OR OPERATOR: VINTAGE PRODUCTION CALIFORNIA LLC
MAILING ADDRESS: 9600 MING AVE, SUITE 300
BAKERSFIELD, CA 93311

LOCATION: LIGHT OIL WESTERN STATIONARY SOURCE
KERN COUNTY, CA

EQUIPMENT DESCRIPTION:

UP TO 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE (OR EQUIVALENT) AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-11 AND/OR '-122 AND SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LOWSS

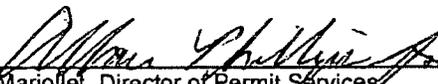
CONDITIONS

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. ATCs S-8282-113-3 and '-122-3 shall be implemented concurrent with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Permit S-8282-123 shall be canceled prior to or concurrent with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this Authority to Construct. Approval of the equivalent equipment shall be made only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the specifically authorized equipment. [District Rule 2201]
5. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emission rates, equipment drawing(s), and operational characteristics/parameters [District Rule 2201]
6. Alternate equipment shall be of the same class and category of source as the equipment authorized by the Authority to Construct. [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



Arnaud Marjollet, Director of Permit Services

S-8282-142-0 : May 19 2014 11:45AM - DAVIDSOS : Joint Inspection NOT Required

7. No emission factor and no emission shall be greater for the alternate equipment than for the proposed equipment. No changes in the hours of operation, operating rate, throughput, or firing rate may be authorized for any alternate equipment. [District Rule 2201]
8. Unit shall not be located within 1000 feet of any K-12 school. [CH&SC 42301.6]
9. Vapor destruction device shall operate at least 1,000 feet of the property boundary. [District Rule 4102]
10. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
11. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
12. Emission rates from this unit shall not exceed any of the following limits: 0.023 lb-NO_x/MMBtu; 0.014 lb-SO_x/MMBtu; 0.008 lb-PM₁₀/MMBtu; 0.008 lb-CO/MMBtu; or 0.004 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total combined heat input of units S-8282-141 and '-142 shall not exceed 547,500 MMBtu/yr [District Rule 2201] Federally Enforceable Through Title V Permit
14. Permittee shall document compliance with the annual heat input limit required by this permit by calculation using the volume of gas combusted at each location and the HHV of the gas. The HHV of the gas shall be determined by sampling and testing at each location of operation within a week of startup at that location. [District Rule 2201] Federally Enforceable Through Title V Permit
15. A flame shall be present at all times when combustible gases are vented. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of monthly natural gas combusted shall be maintained, retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT



AUTHORITY TO CONSTRUCT

PERMIT NO: S-8282-143-0

ISSUANCE DATE: 11/20/2014

LEGAL OWNER OR OPERATOR: VINTAGE PRODUCTION CALIFORNIA LLC
MAILING ADDRESS: 9600 MING AVE, SUITE 300
BAKERSFIELD, CA 93311

LOCATION: LIGHT OIL WESTERN STATIONARY SOURCE
KERN COUNTY, CA

EQUIPMENT DESCRIPTION:

UP TO 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX8 VOC DESTRUCTION DEVICE (OR EQUIVALENT) AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113 AND/OR '122 AND SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LIGHT OIL WESTERN STATIONARY SOURCE

CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. ATCs S-8282-113-4 and '122-4 shall be implemented concurrent with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Prior to operating equipment under this Authority to Construct, permittee shall surrender NOX emission reduction credits for the following quantity of emissions: 1st quarter - 3022 lb, 2nd quarter - 3022 lb, 3rd quarter - 3022 lb, and fourth quarter - 3022 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Prior to operating equipment under this Authority to Construct, permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 1235 lb, 2nd quarter - 1235 lb, 3rd quarter - 1235 lb, and fourth quarter - 1235 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-6600 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

Arnaud Marjollet, Director of Permit Services

S-8282-143-0; Nov 20 2014 10:17AM - DAVDSOB - Joint inspection Required with DAVDSOB



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT



AUTHORITY TO CONSTRUCT

PERMIT NO: S-8282-144-0

ISSUANCE DATE: 11/20/2014

LEGAL OWNER OR OPERATOR: VINTAGE PRODUCTION CALIFORNIA LLC
MAILING ADDRESS: 9800 MING AVE, SUITE 300
BAKERSFIELD, CA 93311

LOCATION: LIGHT OIL WESTERN STATIONARY SOURCE
KERN COUNTY, CA

EQUIPMENT DESCRIPTION:

UP TO 40 MMBTU/HR COYOTE NORTH LTD MODEL CNTOX6 VOC DESTRUCTION DEVICE (OR EQUIVALENT) AUTHORIZED TO SERVE TANK VAPOR CONTROL SYSTEMS LISTED ON PERMITS S-8282-113 AND/OR '-122 AND SUBJECT TEST WELLS AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE LIGHT OIL WESTERN STATIONARY SOURCE

CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. ATCs S-8282-113-4 and '-122-4 shall be implemented concurrent with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Prior to operating equipment under this Authority to Construct, permittee shall surrender NOX emission reduction credits for the following quantity of emissions: 1st quarter - 3022 lb, 2nd quarter - 3022 lb, 3rd quarter - 3022 lb, and fourth quarter - 3022 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Prior to operating equipment under this Authority to Construct, permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 1235 lb, 2nd quarter - 1235 lb, 3rd quarter - 1235 lb, and fourth quarter - 1235 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 4/21/11) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (861) 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

Arnaud Marjollet, Director of Permit Services

S-8282-144-0 - Nov 20 2014 10:47AM - DAVSOS6 - Joint Inspection Required with DAVSOS6

23. Records of monthly natural gas combusted shall be maintained, retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

ATTACHMENT C

Emissions Increases

	SSIPE (lb/yr)				
	NOx	VOC	CO	SOx	PM10
S-8282-113-5	0	0	0	0	0
S-8282-141-0	8059	491	2803	2803	1402
S-8282-142-0	8059	491	2803	2803	1402
S-8282-143-0	8059	491	2803	2803	1402
S-8282-144-0	8059	491	2803	2803	1402
Total	32,236	1964	11,212	11,212	5608

ATTACHMENT D

Application

San Joaquin Valley Air Pollution Control District

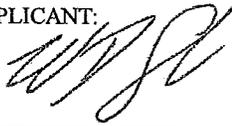
www.valleyair.org

RECEIVED
APR 24 2015

Permit Application For:

SJVAPCD
Southern Region

ADMINISTRATIVE AMENDMENT MINOR MODIFICATION SIGNIFICANT MODIFICATION

1. PERMIT TO BE ISSUED TO: California Resources Production Corporation (CRPC)	
2. MAILING ADDRESS: STREET/P.O. BOX: <u>9600 Ming Avenue, Suite 300</u> CITY: <u>Bakersfield</u> STATE: <u>CA</u> 9-DIGIT ZIP CODE: <u>93311</u>	
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: _____ CITY: <u>LOW</u> <u>V</u> ¼ SECTION <u>V</u> TOWNSHIP <u>V</u> RANGE <u>V</u>	INSTALLATION DATE:
4. GENERAL NATURE OF BUSINESS: Crude 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) Incorporate 4 ATCs into Title V permit S-8282 – Vintage Production California LLC, Light Oil Western stationary source, Project S-1142405 S-8282-113-4, -122-4, -143-0, and -144-0.	
6. TYPE OR PRINT NAME OF APPLICANT: Wm. Douglas Shaffer	TITLE OF APPLICANT: HES Consultant
7. SIGNATURE OF APPLICANT: 	DATE: 24 Apr 2015 PHONE: (661) 869-8237 FAX: (661) 869-8170 EMAIL: william_shaffer@oxy.com

For APCD Use Only: No \$

DATE STAMP	FILING FEE RECEIVED: \$ _____ CHECK#: _____
	DATE PAID: _____
	PROJECT NO: <u>S-1152033</u> FACILITY ID: <u>S-8282</u>

APR 24 2015

San Joaquin Valley Unified Air Pollution Control District

SJVAPCD
Southern Region

TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

I. TYPE OF PERMIT ACTION (Check appropriate box)

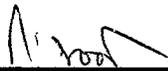
- SIGNIFICANT PERMIT MODIFICATION ADMINISTRATIVE AMENDMENT
 MINOR PERMIT MODIFICATION

COMPANY NAME: California Resources Production Corporation	FACILITY ID: S-8282
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: California Resources Production Corporation	
3. Agent to the Owner: Nick Goodman	

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:



Signature of Responsible Official

Nick Goodman

Name of Responsible Official (please print)

Operations Manager, Central Valley Operations

Title of Responsible Official (please print)

Re: Implementation of ATCs S-8282-113-4, -122-4, -143-0, and -144-0.

24 April 2015

Date

San Joaquin Valley Air Pollution Control District

www.valleyair.org

Permit Application For:

ADMINISTRATIVE AMENDMENT MINOR MODIFICATION SIGNIFICANT MODIFICATION

RECEIVED
NOV 26 2013
SERVICES
317-000

1. PERMIT TO BE ISSUED TO: Vintage Production California LLC (VPC)		
2. MAILING ADDRESS:		
STREET/P.O. BOX: 9600 Ming Avenue, Suite 300		
CITY: Bakersfield	STATE: CA	9-DIGIT ZIP CODE: 93311
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED:		INSTALLATION DATE:
STREET: Various Locations CITY: LOW		
_____ ¼ SECTION _____ TOWNSHIP _____ RANGE _____		
4. GENERAL NATURE OF BUSINESS: Crude 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)		
Incorporate five ATCs into Title V permit S-8282 – Vintage Production California LLC, Light Oil Western stationary source. Project S-1133536 S-8282-113-2; S-8282-122-2; S-8282-123-1; S-8282-135-0 and S-8282-136-0 <i>AA FOR S-8282-122-2 & 123-1 HAVE BEEN MOVED TO PROJECT S-1151828</i>		
6. TYPE OR PRINT NAME OF APPLICANT:		TITLE OF APPLICANT:
Joey Barulich – Vintage Production California LLC		HES Consultant
7. SIGNATURE OF APPLICANT:	DATE:	PHONE: (661) 869-8075
	11/22/13	FAX: (661) 869-8170
		EMAIL: joey_barulich@oxy.com

For APCD Use Only:

DATE STAMP	FILING FEE RECEIVED: \$ _____ CHECK#: _____ DATE PAID: _____ PROJECT NO: S-1134499 FACILITY ID: S-8282
------------	--



Vintage Production California LLC

A subsidiary of Occidental Petroleum Corporation



9600 Ming Avenue, Suite 300
Bakersfield, California 93311
Phone 661.869.8000, Fax 661.869.8170

RECEIVED
NOV 25 2013
SERVICES
11/20

November 22, 2013

Mr. Martin Keast
San Joaquin Valley Unified APCD
1990 East Gettysburg Avenue
Fresno, CA 93726-0244

**SUBJECT: ADMINISTRATIVE AMENDMENT TO TITLE V PERMIT S-8282
IMPLEMENT FIVE AUTHORITIES TO CONSTRUCT:
S-8282-113-2; '-122-2; '-123-1; '-135-0 AND '-136-0**

Dear Mr. Keast:

Please find attached the Title V permit administrative amendment application.

If you have any questions please call me at (661) 869-8075.

Sincerely,

Joey Barulich
HES Consultant
Vintage Production California LLC

ATTACHMENT E

Previous Title V Operating Permit

S-8282-113-8

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-8282-113-8

EXPIRATION DATE: 08/31/2016

EQUIPMENT DESCRIPTION:

500 BBL PORTABLE FIXED ROOF TANK WITH PERMIT EXEMPT WELL TEST SEPARATOR, 3-PHASE SEPARATOR, SERVED BY VAPOR CONTROL SYSTEM SHARED WITH S-8282-113, '-114, '-115, '-116, '-117, '-118, '-119, '-120, '-121 AND '-165, VENTED TO APPROVED GAS GATHERING SYSTEM OR VOC DESTRUCTION DEVICES LISTED ON S-8282-135, '-136, '-141 AND '-142

PERMIT UNIT REQUIREMENTS

1. Unit shall not be located within 1000 feet of any K-12 school. [CH&SC 42301.6]
2. The portable well test operation shall not operate within 1,000 feet of the nearest receptor. [District Rule 4102] Federally Enforceable Through Title V Permit
3. Permittee shall notify the District Compliance Division in writing of each location at which the operation is located in excess of 24 hours. Such notification shall be made no later than 48 hours after starting operation at the location. [District Rule 1070] Federally Enforceable Through Title V Permit
4. The tank shall be equipped with a vapor recovery system consisting of a closed vent system that collects all VOCs from the storage tank, and a VOC control device. The vapor recovery system shall be APCO-approved and maintained in leak-free condition. Vapors shall be discharged to field gas gathering system or a VOC destruction device listed on permit S-8282-135, or S-8282-136. [District Rule 4623] Federally Enforceable Through Title V Permit
5. All piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rules 4409 and 4623] Federally Enforceable Through Title V Permit
6. For the components associated with the tank and components within 5 foot of the tank, a leak-free 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. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
7. For the components associated with the vapor control equipment and other equipment at the facility, a leak-free condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 2,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623] Federally Enforceable Through Title V Permit
9. VOC fugitive emissions from the components in gas service on tank and tank vapor collection system shall not exceed 0.44 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Permittee shall maintain accurate component count for tank according to EPA's "Protocol for Equipment Leak Emission Estimate," Table 2-4, Oil and Gas Production Operations Average Emission Factors. Permittee shall update such records when new components are approved and installed. [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.

11. All piping, fittings, and valves on this tank 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 leaking provisions of this permit. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
12. Any component found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rule 4623] Federally Enforceable Through Title V Permit
13. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
14. Operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually or ultrasonically inspect as appropriate, the external shells and roofs of uninsulated tanks for structural integrity annually. [District Rule 4623] Federally Enforceable Through Title V Permit
15. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit
16. Upon detection of a gas leak, the operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
17. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. Operator shall maintain records of the liquid or gas leak detection readings, date/time the leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 4623] Federally Enforceable Through Title V Permit
18. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rule 4623] Federally Enforceable Through Title V Permit
19. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If no components are found to leak after four consecutive quarters, the operator may revert to annual inspections. [District Rule 4623] Federally Enforceable Through Title V Permit
20. While performing tank cleaning activities, operators may only use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. [District Rule 4623] Federally Enforceable Through Title V Permit
21. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623] Federally Enforceable Through Title V Permit
22. During sludge removal, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623] Federally Enforceable Through Title V Permit
23. Permittee shall only transport removed sludge in closed, liquid leak-free containers. [District Rule 4623] Federally Enforceable Through Title V Permit

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24. Permittee shall store removed sludge, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623] Federally Enforceable Through Title V Permit
25. Operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520] Federally Enforceable Through Title V Permit

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