



**FEB 05 2014**

Ms Jennifer Hart  
Vintage Production California LLC  
9600 Ming Ave, Suite 300  
Bakersfield CA 93311

**Re Final - Authority to Construct / COC (Significant Mod)  
District Facility # S-1326  
Project # 1134319**

Dear Ms Hart

The Air Pollution Control Officer has issued an Authority to Construct (S-1326-437-0) with a Certificate of Conformity to Vintage Production California LLC at heavy oil central stationary source. The project authorizes a 15 MMBtu/hr natural gas-fired heater treater resulting in an emissions increase of 1,445 lb-NOx/year and 723 lb-VOC/year. Enclosed are the an Authority to Construct and a copy of the notice of final action to be published approximately three days from the date of this letter.

Notice of the District's preliminary decision to issue the Authority to Construct permit was published on December 19, 2013. The District's analysis of the proposal was also sent to CARB and US EPA Region IX on December 13, 2013. No comments were received following the District's preliminary decision on this project.

Prior to operating with modifications authorized by the Authority to Construct, you must submit an application to modify the Title V permit as an administrative amendment in accordance with District Rule 2520, Section 11.5.

**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

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

Sincerely

A handwritten signature in black ink, appearing to read 'David Warner', with a long horizontal flourish extending to the right.

David Warner  
Director of Permit Services

DW RUE/st

Enclosures

cc Mike Tollstrup CARB (w/enclosure) via email  
cc Gerardo C Rios, EPA (w/enclosure) via email



## AUTHORITY TO CONSTRUCT

PERMIT NO S-1326-437-0

ISSUANCE DATE 01/31/2014

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

**LOCATION** HEAVY OIL CENTRAL STATIONARY SOURCE  
KERN COUNTY CA

**SECTION SW 4 TOWNSHIP 27S RANGE 28E**

**EQUIPMENT DESCRIPTION**  
15 MMBTU/HR NATURAL GAS-FIRED HEATER TREATER WITH TWO SEPARATE 7.5 MMBTU/HR MAXON XPO 5 EB  
ULTRA LOW NOX BURNERS (OR EQUIVALENT)

### 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 Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO<sub>2</sub> nor 10 lb/hr [District Rules 4201, 4301, 5.1 and 5.2.3]~~
- 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] Federally Enforceable Through Title V Permit
- 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] 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.

Sayed Sadredin Executive Director / APCO



DAVID WARNER Director of Permit Services

S-1326-437-0 on 31 2014 1 03AM - EDG/EHLR Joint Inspection NOT Required

- 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] Federally Enforceable Through Title V Permit
- 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] Federally Enforceable Through Title V Permit
- 8 The unit shall only be fired on gas with a maximum sulfur content of 1.0 gr S/100scf [District Rule 2201] Federally Enforceable Through Title V Permit
- 9 Emission rates shall not exceed NO<sub>x</sub> (as NO<sub>x</sub>) 9 ppmvd @ 3% O<sub>2</sub> or 0.011 lb-NO<sub>x</sub>/MMBtu, PM<sub>10</sub> 0.003 lb/MMBtu, CO 50 ppmvd @ 3% O<sub>2</sub> or 0.037 lb-CO/MMBtu, or VOC 0.0055 lb/MMBtu [District Rule 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
- 10 A source test to demonstrate compliance with NO<sub>x</sub>, CO, and PM<sub>10</sub> emission limits shall be performed within 60 days of startup [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
- 11 Source testing to measure natural gas-combustion NO<sub>x</sub> and CO emissions from this unit shall be conducted at least once every twelve (12) months (no more than 30 days before or after the required annual source test date). After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months (no more than 30 days before or after the required 36 month source test date). If the result of the 36 month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
- 12 Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing [District Rule 1081] Federally Enforceable Through Title V Permit
- 13 For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
- 14 The following test methods shall be used: PM<sub>10</sub> (lb/MMBtu) - EPA 201A - 202 or Method 5, NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, Stack gas oxygen (O<sub>2</sub>) - EPA Method 3 or 3A or ARB Method 100, stack gas velocities - EPA Method 2, Stack gas moisture content - EPA Method 4, SO<sub>x</sub> - EPA Method 6C or 8 or ARB Method 100, fuel gas sulfur as H<sub>2</sub>S content - EPA Method 11 or 15; and fuel hhv (MMBtu) - ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 [District Rule 2201, 4305, 4306, 4320] Federally Enforceable Through Title V Permit
- 15 The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
- 16 The results of each source test shall be submitted to the District within 60 days thereafter [District Rule 1081] Federally Enforceable Through Title V Permit
- 17 The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable analyzer that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

- 18 If the NO<sub>x</sub> or CO concentrations corrected to 3% as measured by the portable analyzer, exceed the applicable emission limit, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4102, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
- 19 All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive minute period. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
- 20 The permittee shall maintain records of (1) the date and time of NO<sub>x</sub>, CO and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent by volume and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
- 21 All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. Unless otherwise specified in the PTO, no determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4320. For the purposes of permittee-performed alternate monitoring, emissions measurements may be performed at any time after the unit reaches conditions representative of normal operation. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
- 22 Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
- 23 Permittee shall maintain accurate records of valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts used to satisfy the fuel sulfur content analysis of fuel combusted in process heater, provided they establish the fuel sulfur concentration and higher heating value. [District Rule 2201 and 4320] Federally Enforceable Through Title V Permit
- 24 All records shall be maintained and retained on site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
- 25 Prior to operating equipment under this Authority to Construct, permittee shall surrender emission reduction credits for the following quantities of emissions: NO<sub>x</sub> 542 lb/quarter, PM<sub>10</sub> 148 lb/quarter, and VOC 271 lb/quarter. Offsets include the applicable offset ratio specified in Section 4.8 of Rule 2201 (as amended 4/21/11). [District Rule 2201] Federally Enforceable Through Title V Permit
- 26 ERC Certificate Numbers C 809-4, N 1148-2, and S-3777 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