



JUN 13 2012

Mr. Joey Barulich  
Vintage Production California, LLC  
9600 Ming Ave  
Bakersfield, CA 93311

**Re: Final - Authority to Construct / COC (Significant Mod)  
District Facility # S-1738  
Project # S-1120872**

Dear Mr. Barulich:

The Air Pollution Control Officer has issued an Authority to Construct (S-1738-349-1) with a Certificate of Conformity to Vintage Production California, LLC operating within their Light Oil Western Stationary Source in Kern County. This modification will increase the annual throughput of a produced gas fired flare.

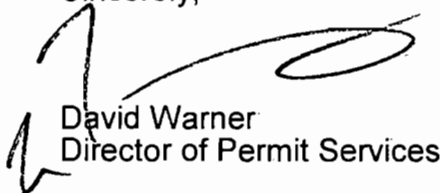
Enclosed is the Authority to Construct. The application and proposal were sent to US EPA Region IX on May 10, 2012. No comments were received following the District's preliminary decision on this project.

The notice of final decision for this project will be published approximately three days from the date of this letter.

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.

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,



David Warner  
Director of Permit Services

DW: KTR/cm

Enclosures

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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

**Central Region (Main Office)**  
1990 E. Gettysburg Avenue  
Fresno, CA 93726-0244  
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



**JUN 13 2012**

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

**Re: Final - Authority to Construct / COC (Significant Mod)  
District Facility # S-1738  
Project # S-1120872**

Dear Mr. Rios:

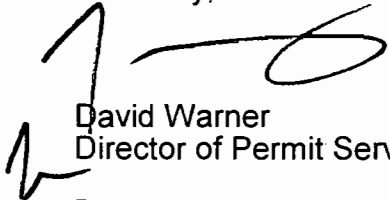
The Air Pollution Control Officer has issued an Authority to Construct (S-1738-349-1) with a Certificate of Conformity to Vintage Production California, LLC operating within their Light Oil Western Stationary Source in Kern County. This modification will increase the annual throughput of a produced gas fired flare.

Enclosed is a copy of the Authority to Construct. The application and proposal were sent to US EPA Region IX on May 10, 2012. No comments were received following the District's preliminary decision on this project.

The notice of final decision for this project will be published approximately three days from the date of this letter.

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,

  
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JUN 13 2012

Mike Tollstrup, Chief  
Project Assessment Branch  
Air Resources Board  
P O Box 2815  
Sacramento, CA 95812-2815

**Re: Final - Authority to Construct / COC (Significant Mod)  
District Facility # S-1738  
Project # S-1120872**

Dear Mr. Tollstrup:

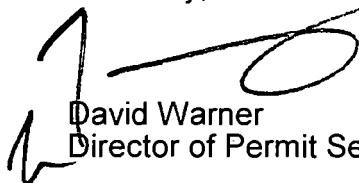
The Air Pollution Control Officer has issued an Authority to Construct (S-1738-349-1) with a Certificate of Conformity to Vintage Production California, LLC operating within their Light Oil Western Stationary Source in Kern County. This modification will increase the annual throughput of a produced gas fired flare.

Enclosed is a copy of the Authority to Construct. The application and proposal were sent to US EPA Region IX on May 10, 2012. No comments were received following the District's preliminary decision on this project.

The notice of final decision for this project will be published approximately three days from the date of this letter.

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,



David Warner  
Director of Permit Services

DW: KTR/cm

Enclosures

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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**NOTICE OF FINAL DECISION  
FOR THE ISSUANCE OF AUTHORITY TO CONSTRUCT AND  
THE PROPOSED SIGNIFICANT MODIFICATION OF FEDERALLY  
MANDATED OPERATING PERMIT**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District has made its final decision to issue an Authority to Construct to Vintage Production California, LLC for light oil production operation located operating within their Light Oil Western Stationary Source in Kern County, California. This modification will increase the annual throughput of a produced gas fired flare.

The District's analysis of the legal and factual basis for this proposed action, project #S-1120872, is available for public inspection at the District office at the address below. For additional information regarding this matter, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500, or contact David Warner, Director of Permit Services, in writing at SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 34946 FLYOVER COURT, BAKERSFIELD, CA 93308.



## AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-1738-349-1

**ISSUANCE DATE:** 06/11/2012

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

**LOCATION:** LIGHT OIL WESTERN STATIONARY SOURCE  
WESTERN KERN COUNTY  
KERN COUNTY, CA

**SECTION:** NE25 **TOWNSHIP:** 30S **RANGE:** 21E

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF 130 MMBTU/HR PRODUCED GAS FLARE WITH A KALDAIR - JOHN ZINK INDAIR I-4-AS COANDA EFFECT FLARE TIP: INCREASE AMOUNT OF FLARED GAS TO 85,416,666 SCF/YR

### 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. Prior to operating equipment under this Authority to Construct, permittee shall surrender NOX emission reduction credits for the following quantity of emissions: 1st quarter - 2,475 lb, 2nd quarter - 2,475 lb, 3rd quarter - 2,475 lb, and fourth quarter - 2,475 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
4. Prior to operating equipment under this Authority to Construct, permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 293 lb, 2nd quarter - 293 lb, 3rd quarter - 293 lb, and fourth quarter - 293 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

DAVID WARNER, Director of Permit Services

S-1738-349-1 - Jun 11 2012 9:18AM - RICKARDK : Joint Inspection NOT Required

5. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 2,304 lb, 2nd quarter - 2,304 lb, 3rd quarter - 2,304 lb, and fourth quarter - 2,304 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
6. ERC Certificate Numbers N-1034-2, N-1032-5, N-1037-1 and S-3583-1 (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
7. 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]
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 1/4 or 5% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
9. Flare shall be maintained and operated for smokeless combustion, i.e. no visible emissions in excess of 5% opacity or 1/4 Ringelmann. [District Rule 2201] Federally Enforceable Through Title V Permit
10. This permit does not authorize the utilization of any IC engine, or other combustion device requiring a separate permit, for powering the flare. [District Rule 2201] Federally Enforceable Through Title V Permit
11. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of non-pilot gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201 and 4311] Federally Enforceable Through Title V Permit
12. Maximum non-pilot gas flow rate shall not exceed 500,000 standard cubic feet per day nor 85,416,666 standard cubic feet per year. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The sulfur content of the produced gas being incinerated by the flare shall not exceed 0 gr-S/100 scf. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Emission rates shall not exceed any of the following: 0.068 lb-NO<sub>x</sub>/MMBtu, 0.008 lb-PM<sub>10</sub>/MMBtu, 0.37 lb-CO/MMBtu, or 0.063 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Flare pilot shall be fired on produced gas. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The flame shall be present at all times when combustible gases are vented through the flare. [District Rule 4311] Federally Enforceable Through Title V Permit
17. The outlet shall be equipped with an automatic ignition system, or, shall operate with a pilot flame present at all times when combustible gases are vented through the flare, except during purge periods for automatic-ignition equipped flares. [District Rule 4311] Federally Enforceable Through Title V Permit
18. Flare shall be equipped with a heat sensing device such as a thermocouple, ultraviolet beam sensor, infrared sensor, or an equivalent device capable of continuously detecting at least one pilot flame or the flare flame is present. The flame detection device shall be kept operational at all times except during flare maintenance when the flare is isolated from gas flow. During essential planned power outages when the flare is operating, the pilot monitor is allowed to be non-functional if the flare flame is clearly visible to onsite operators. Effective on and after July 1, 2012, all pilot monitor downtime shall be reported annually pursuant to Rule 4311, section 6.2.3.6. [District Rule 4311] Federally Enforceable Through Title V Permit
19. Flares that use flow-sensing automatic ignition systems and which do not use a continuous flame pilot shall use purge gas for purging. [District Rule 4311] Federally Enforceable Through Title V Permit
20. Operator shall monitor vent gas composition using one of the five following methods: 1) Sampling vent gas pursuant to Rule 4311 Section 6.6.1, 2) Integrated sampling pursuant to Rule 4311 Section 6.6.2, 3) Operate continuous analyzers that meet the requirements of Rule 4311 Section 6.6.3, 4) Operate continuous analyzers employing gas chromatography pursuant to Rule 4311 Section 6.6.4, or 5) Monitor sulfur content using a colorimetric tube system, and monitor vent gas hydrocarbons pursuant to Rule 4311 Section 6.6.5. [District Rule 4311] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

21. If flare shares a common header, a sample from the header will be deemed representative of vent gas composition for all flares served by the header. The operator shall provide the APCO with access to the monitoring system to collect vent gas samples to verify the analysis required by Rule 4311 Section 5.11. [District Rule 4311] Federally Enforceable Through Title V Permit
22. Operator shall report periods of monitor inoperation greater than 24 continuous hours by the following working day, followed by notification of resumption of monitoring. Periods of inoperation of monitoring equipment shall not exceed 14 days per any 18-consecutive-month period. Periods of flare monitoring system inoperation do not include the periods when the system feeding the flare is not operating. [District Rule 4311] Federally Enforceable Through Title V Permit
23. During periods of inoperation of continuous analyzers or auto-samplers installed pursuant to Section 6.6, operators responsible for monitoring shall take one sample within 30 minutes of the commencement of flaring, from the flare header or from an alternate location at which samples are representative of vent gas composition and have samples analyzed pursuant to Rule 4311 Section 6.3.4. During periods of inoperation of flow monitors, flow shall be calculated using good engineering practices. [District Rule 4311] Federally Enforceable Through Title V Permit
24. Operator shall maintain and calibrate all required monitors and recording devices in accordance with the applicable manufacturer's specifications. In order to claim that a manufacturer's specification is not applicable, the person responsible for emissions must have, and follow, a written maintenance policy that was developed for the device. The written policy must explain and justify the difference between the written procedure and the manufacturer's procedure. [District Rule 4311] Federally Enforceable Through Title V Permit
25. All in-line continuous analyzer and flow monitoring data must be continuously recorded by an electronic data acquisition system capable of one-minute averages. Flow monitoring data shall be recorded as one-minute averages. [District Rule 4311] Federally Enforceable Through Title V Permit
26. The operator shall notify the District of an unplanned flaring event within 24 hours after the start of the next business day or within 24 hours of their discovery, whichever occurs first. The notification shall include the flare source identification, the start date and time, and the end date and time. [District Rule 4311] Federally Enforceable Through Title V Permit
27. Effective on and after July 1, 2012, and annually thereafter, an operator shall submit a report to the District within 30 days following the end of each 12-month period that summarizes all reportable flaring events during the previous 12-month period. The report shall include the following: 1) The results of an investigation to determine the primary cause and contributing factors of the flaring event; 2) Any prevention measures considered or implemented to prevent recurrence together with a justification for rejecting any measures that were considered but not implemented; 3) If appropriate, an explanation of why the flaring was an emergency and necessary to prevent accident, hazard or release of vent gas to the atmosphere, or where, due to a regulatory mandate to vent a flare, it cannot be recovered, treated and used as a fuel gas at the facility; and 4) The date, time, and duration of the flaring event. [District Rule 4311] Federally Enforceable Through Title V Permit
28. Effective on and after July 1, 2012, and annually thereafter, an operator shall submit a report to the District within 30 days following the end of each 12-month period that includes the following: 1) The total volumetric flow of vent gas in standard cubic feet for each day; 2) Hydrogen sulfide content, methane content, and hydrocarbon content of vent gas composition pursuant to Section 6.6; 3) If vent gas composition is monitored by a continuous analyzer or analyzers pursuant to Section 5.11, average total hydrocarbon content by volume, average methane content by volume, and depending upon the analytical method used pursuant to Section 6.3.4, total reduced sulfur content by volume or hydrogen sulfide content by volume of vent gas flared for each hour of the month; 4) If the flow monitor used pursuant to Section 5.10 measures molecular weight, the average molecular weight for each hour of each month; 5) For any pilot and purge gas used, the type of gas used, the volumetric flow for each day and for each month, and the means used to determine flow; 6) Flare monitoring system downtime periods, including dates and times; 7) For each day and for each month provide calculated sulfur dioxide emissions; and 8) A flow verification report for each flare subject to this rule. The flow verification report shall include flow verification testing pursuant to Section 6.3.5. [District Rule 4311] Federally Enforceable Through Title V Permit
29. Testing to demonstrate compliance with the produced gas fuel sulfur content limit shall be conducted during each flaring event but not more than once per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

30. Permittee shall determine sulfur content of produced gas flared using ASTM method D3246 or double GC for H<sub>2</sub>S and mercaptans. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Records of daily gas flow rate and sulfur content of gas shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
32. All records of required monitoring data and support information shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rules 1070, 2201, and 4311] Federally Enforceable Through Title V Permit