



NOV 27 2012

John Haley
Aera Energy LLC
PO Box 11164
Bakersfield, CA 93389-1164

RE: Notice of Final Action - Authority to Construct
Project Number: S-1121534

Dear Mr. Haley:

The Air Pollution Control Officer has issued Authority to Construct permits to Aera Energy LLC for six transportable well testing flares, at various unspecified locations, SJVAPCD. Enclosed are copies of the Authority to Construct permits 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 this Authority to Construct was published on October 16, 2012. The District's analysis of the proposal was also sent to CARB on October 11, 2012. All comments received following the District's preliminary decision on this project were considered.

Comments received by the District during the public notice period resulted in rewording of ATC Condition #11, as requested by Aera, to indicate that each transportable flare may also be used to combust gas during well drilling (in addition to well testing) operations. These changes were minor and did not trigger additional public notification requirements, nor did they have any impact upon the Best Available Control Technology determination or on the amount of offsets required for project approval.

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

Sincerely,

David Warner
Director of Permit Services

DW: RUE/cp

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



NOV 2-7 2012

Mike Tollstrup, Chief
Project Assessment Branch
Stationary Source Division
California Air Resources Board
PO Box 2815
Sacramento, CA 95812-2815

**RE: Notice of Final Action - Authority to Construct
Project Number: S-1121534**

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**NOTICE OF FINAL ACTION
FOR THE ISSUANCE OF AUTHORITY
TO CONSTRUCT PERMITS**

NOTICE IS HEREBY GIVEN that the Air Pollution Control Officer has issued Authority to Construct permits to Aera Energy LLC for six transportable well testing flares, at various unspecified locations, SJVAPCD.

All comments received following the District's preliminary decision on this project were considered.

Comments received by the District during the public notice period resulted in rewording of ATC Condition #11, as requested by Aera, to indicate that each transportable flare may also be used to combust gas during well drilling (in addition to well testing) operations. These changes were minor and did not trigger additional public notification requirements, nor did they have any impact upon the Best Available Control Technology determination or on the amount of offsets required for project approval.

The application review for Project #S-1121534 is available for public inspection at http://www.valleyair.org/notices/public_notices_idx.htm and the **SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT, 34946 FLYOVER COURT, BAKERSFIELD, CA 93308.**



AUTHORITY TO CONSTRUCT

PERMIT NO: S-8170-1-0

ISSUANCE DATE: 11/15/2012

LEGAL OWNER OR OPERATOR: AERA ENERGY LLC
MAILING ADDRESS: P.O. BOX 11164
BAKERSFIELD, CA 93389-1164

LOCATION: VARIOUS UNSPECIFIED LOCATIONS SJVAPCD

EQUIPMENT DESCRIPTION:

WELL TESTING OPERATION WITH TRANSPORTABLE FLARE IGNITERS PIPELINE & REFINERY LLC (OR EQUIVALENT) 3.0 MMSCF/DAY FLARE WITH OPTIONAL AIR ASSIST, CONTINUOUS PROPANE PILOT, TWO OR THREE-PHASE SEPARATOR, AND GAS SCRUBBER AT VARIOUS UNSPECIFIED LOCATIONS, SJVAPCD

CONDITIONS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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 2010]
3. Permittee shall specify make and model of flare prior to implementation of ATC. [District Rule 2201]
4. Permittee shall notify the District Compliance Division 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 2201]
5. The equipment shall not be located within 1000 ft. of any K-12 school. [CH&SC 42301.6]
6. Unit may not operate within 150 ft. of the nearest off-worksites business or off-worksites residential receptor. [District Rule 4102]
7. 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]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

S-8170-1-0: Nov 15 2012 9:05AM - EDGEHLR : Joint Inspection NDT Required

8. 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]
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13. Flare must not be located and operated at an existing facility or operation such that it becomes part of an existing stationary source as defined by District Rule 2201. [District Rule 2201]
14. Gas line to flare shall be equipped with operational, volumetric flow rate indicator. [District Rule 2201]
15. The flame shall be present at all times when combustible gases are vented through the flare. [District Rule 2201]
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17. Except for flares equipped with a flow-sensing ignition system, 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 shall be installed and operated. [District Rule 2201]
18. 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 2201]
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20. Daily and annual amounts of gas flared shall not exceed 3.0 MMscf/day and 288 MMscf/yr. [District Rule 2201]
21. Sulfur compound concentration of gas flared shall not exceed 5 gr/100 scf. [District Rule 2201]
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26. The following test methods shall be used for well gas sulfur content: ASTM D3246 or double GC for H₂S and mercaptan. [District Rule 1081]
27. Permittee shall maintain accurate daily records indicating flare location, flared gas sulfur content at each location, and daily and annual rates of gas flared; and such records shall be made readily available for District inspection upon request for a minimum of 5 years. [District Rule 2201]



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ISSUANCE DATE: 11/15/2012

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Seyed Sadredin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

S-8170-2-0 : Nov 16 2012 8:08AM - EDGEHUR : Joint Inspection NOT Required

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S-8170-3-0; Nov 15 2012 9:08AM - EDGEBLR : Joint Inspection NOT Required

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4. Permittee shall notify the District Compliance Division 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 2201]
5. The equipment shall not be located within 1000 ft. of any K-12 school. [CH&SC 42301.6]
6. Unit may not operate within 150 ft. of the nearest off-worksites business or off-worksites residential receptor. [District Rule 4102]
7. 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]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO


DAVID WARNER, Director of Permit Services

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8. 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]
9. Alternate equipment shall be of the same class and category of source as the equipment authorized by the Authority to Construct. [District Rule 2201]
10. 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]
11. Flare shall only be used to combust gas released during well drilling operations or well testing. [District Rule 2201]
12. Flare shall not be operated in well testing operations at any location in conjunction with any other well testing flare operated by Aera Energy LLC. [District Rule 2201]
13. Flare must not be located and operated at an existing facility or operation such that it becomes part of an existing stationary source as defined by District Rule 2201. [District Rule 2201]
14. Gas line to flare shall be equipped with operational, volumetric flow rate indicator. [District Rule 2201]
15. The flame shall be present at all times when combustible gases are vented through the flare. [District Rule 2201]
16. 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 2201]
17. Except for flares equipped with a flow-sensing ignition system, 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 shall be installed and operated. [District Rule 2201]
18. 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 2201]
19. Flare shall be equipped with operational automatic re-ignition provisions. [District Rule 2201]
20. Daily and annual amounts of gas flared shall not exceed 3.0 MMscf/day and 288 MMscf/yr. [District Rule 2201]
21. Sulfur compound concentration of gas flared shall not exceed 5 gr/100 scf. [District Rule 2201]
22. Emission rates shall not exceed any of the following: 0.008 lb-PM10/MMBtu, 0.068 lb-NOx/MMBtu (as NO₂), 0.063 lb-VOC/MMBtu, or 0.37 lb-CO/MMBtu. [District Rule 2201]
23. The flare shall be operated according to the manufacturer's specifications, a copy of which shall be maintained on site. [District Rule 2201]
24. Permittee shall inspect the flare in operation for visible emissions no less frequently than once every two weeks. If visible emissions are observed, corrective action shall be taken. If visible emissions persist, an EPA Method 9 test shall be performed within 72 hours. [District Rule 2201]
25. Permittee shall document compliance with well gas sulfur compound concentration limit by performing sulfur content analysis of well gas upon startup at each new location of operation of flare. [District Rule 2201]
26. The following test methods shall be used for well gas sulfur content: ASTM D3246 or double GC for H₂S and mercaptan. [District Rule 1081]
27. Permittee shall maintain accurate daily records indicating flare location, flared gas sulfur content at each location, and daily and annual rates of gas flared; and such records shall be made readily available for District inspection upon request for a minimum of 5 years. [District Rule 2201]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-8170-6-0

ISSUANCE DATE: 11/15/2012

LEGAL OWNER OR OPERATOR: AERA ENERGY LLC
MAILING ADDRESS: P.O. BOX 11164
BAKERSFIELD, CA 93389-1164

LOCATION: VARIOUS UNSPECIFIED LOCATIONS SJVAPCD

EQUIPMENT DESCRIPTION:

WELL TESTING OPERATION WITH TRANSPORTABLE FLARE IGNITERS PIPELINE & REFINERY LLC (OR EQUIVALENT) 3.0 MMSCF/DAY FLARE WITH OPTIONAL AIR ASSIST, CONTINUOUS PROPANE PILOT, TWO OR THREE-PHASE SEPARATOR, AND GAS SCRUBBER AT VARIOUS UNSPECIFIED LOCATIONS, SJVAPCD

CONDITIONS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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 2010]
3. Permittee shall specify make and model of flare prior to implementation of ATC. [District Rule 2201]
4. Permittee shall notify the District Compliance Division 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 2201]
5. The equipment shall not be located within 1000 ft. of any K-12 school. [CH&SC 42301.6]
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CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

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