



APR 23 2012

Bill Oliver
San Joaquin Facilities Management
5400 Rosedale Hwy
Bakersfield, CA 93308

RE: Notice of Final Action - Authority to Construct
Project Number: S-1114893

Dear Mr. Oliver:

The Air Pollution Control Officer has issued Authority to Construct permits to San Joaquin Facilities Management for a 10 MMBtu/hr produced gas flare, at the Canfield Ranch Unit (South Gosford Lease) within the NW/4 of Section 25, Township 30S, Range 26E.

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 March 12, 2012. The District's analysis of the proposal was also sent to CARB and US EPA Region IX on March 6, 2012. No comments were received following the District's preliminary decision on this project.

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: DBT/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



APR 23 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-1114893

Dear Mr. Tollstrup:

The Air Pollution Control Officer has issued Authority to Construct permits to San Joaquin Facilities Management for a 10 MMBtu/hr produced gas flare, at the Canfield Ranch Unit (South Gosford Lease) within the NW/4 of Section 25, Township 30S, Range 26E.

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APR 23 2012

Gerardo C. Rios (AIR 3)
Chief, Permits Office
Air Division
U.S. E.P.A. - Region IX
75 Hawthorne Street
San Francisco, CA 94105

**RE: Notice of Final Action - Authority to Construct
Project Number: S-1114893**

Dear Mr. Rios:

The Air Pollution Control Officer has issued Authority to Construct permits to San Joaquin Facilities Management for a 10 MMBtu/hr produced gas flare, at the Canfield Ranch Unit (South Gosford Lease) within the NW/4 of Section 25, Township 30S, Range 26E.

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.

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David Warner
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Bakersfield Californian

**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 San Joaquin Facilities Management for a 10 MMBtu/hr produced gas flare, at the Canfield Ranch Unit (South Gosford Lease) within the NW/4 of Section 25, Township 30S, Range 26E.

No comments were received following the District's preliminary decision on this project.

The application review for Project #S-1114893 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, REGION'S ADDRESS.**



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2980-43-2

ISSUANCE DATE: 04/13/2012

LEGAL OWNER OR OPERATOR: SAN JOAQUIN FACILITIES MGMT
MAILING ADDRESS: 4520 CALIFORNIA AVENUE, SUITE 300
BAKERSFIELD, CA 93309

LOCATION: LIGHT OIL CENTRAL STATIONARY SOURCE
CA

SECTION: SW10 **TOWNSHIP:** 29S **RANGE:** 26E

EQUIPMENT DESCRIPTION:
MODIFICATION OF 210 BBL FIXED ROOF LIGHT OIL STORAGE TANK #5391 - ARCO LEASE: LOWER THROUGHPUT

CONDITIONS

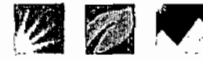
1. Monthly average daily throughput of oil stored in tank shall be less than 75 barrels. [District Rule 2201]
2. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 11 psia under all storage conditions. [District Rules 2201 and 4623]
3. This tank shall be equipped with a pressure-vacuum (PV) relief valve set to within 10% of the maximum allowable working pressure of the tank, permanently labeled with the operating pressure settings, properly maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in gas-tight condition except when the operating pressure exceeds the valve's set pressure. [District Rule 4623]
4. This tank shall be in a gas-tight condition. A gas-tight condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623. [District Rule 4623]
5. Permittee shall maintain monthly records of average daily crude oil throughput and shall keep accurate records of each organic liquid stored in the tank, including its storage temperature, TVP, and API gravity. [District Rule 4623]
6. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 4623]
7. Formerly permit S-2960-2-0

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-2980-43-2; Apr 13 2012 8:48AM - TORID : Joint Inspection NOT Required



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2980-44-2

ISSUANCE DATE: 04/13/2012

LEGAL OWNER OR OPERATOR: SAN JOAQUIN FACILITIES MGMT
MAILING ADDRESS: 4520 CALIFORNIA AVENUE, SUITE 300
BAKERSFIELD, CA 93309

LOCATION: LIGHT OIL CENTRAL STATIONARY SOURCE
CA

SECTION: SW10 **TOWNSHIP:** 29S **RANGE:** 26E

EQUIPMENT DESCRIPTION:
MODIFICATION OF 210 BBL FIXED ROOF LIGHT OIL STORAGE STOCK TANK #5392 - ARCO LEASE: LOWER THROUGHPUT

CONDITIONS

1. Monthly average daily throughput of oil stored in tank shall be less than 75 barrels. [District Rule 2201]
2. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 11 psia under all storage conditions. [District Rules 2201 and 4623]
3. This tank shall be equipped with a pressure-vacuum (PV) relief valve set to within 10% of the maximum allowable working pressure of the tank, permanently labeled with the operating pressure settings, properly maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in gas-tight condition except when the operating pressure exceeds the valve's set pressure. [District Rule 4623]
4. This tank shall be in a gas-tight condition. A gas-tight condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623. [District Rule 4623]
5. Permittee shall maintain monthly records of average daily crude oil throughput and shall keep accurate records of each organic liquid stored in the tank, including its storage temperature, TVP, and API gravity. [District Rule 4623]
6. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 4623]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

S-2980-44-2: Apr 13 2012 9:48AM -- TORID : Joint Inspection NOT Required

7. Formerly permit S-2960-3-0.



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2980-46-2

ISSUANCE DATE: 04/13/2012

LEGAL OWNER OR OPERATOR: SAN JOAQUIN FACILITIES MGMT
MAILING ADDRESS: 4520 CALIFORNIA AVENUE, SUITE 300
BAKERSFIELD, CA 93309

LOCATION: LIGHT OIL CENTRAL STATIONARY SOURCE
CA

SECTION: SW10 **TOWNSHIP:** 29S **RANGE:** 26E

EQUIPMENT DESCRIPTION:
MODIFICATION OF 250 BBL FIXED ROOF LIGHT OIL STORAGE TANK #5394 - ARCO LEASE: LOWER THROUGHPUT

CONDITIONS

1. Monthly average daily throughput of oil stored in tank shall be less than 75 barrels. [District Rule 2201]
2. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 11 psia under all storage conditions. [District Rules 2201 and 4623]
3. This tank shall be equipped with a pressure-vacuum (PV) relief valve set to within 10% of the maximum allowable working pressure of the tank, permanently labeled with the operating pressure settings, properly maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in gas-tight condition except when the operating pressure exceeds the valve's set pressure. [District Rule 4623]
4. This tank shall be in a gas-tight condition. A gas-tight condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623. [District Rule 4623]
5. Permittee shall maintain monthly records of average daily crude oil throughput and shall keep accurate records of each organic liquid stored in the tank, including its storage temperature, TVP, and API gravity. [District Rule 4623]
6. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 4623]
7. Formerly permit S-2960-5-0

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

4/13/2012 9:48AM - TORID : Joint Inspection NOT Required



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2980-76-0

ISSUANCE DATE: 04/13/2012

LEGAL OWNER OR OPERATOR: SAN JOAQUIN FACILITIES MGMT
MAILING ADDRESS: 4520 CALIFORNIA AVENUE, SUITE 300
BAKERSFIELD, CA 93309

LOCATION: LIGHT OIL CENTRAL STATIONARY SOURCE
CA

SECTION: NW 25 **TOWNSHIP:** 30S **RANGE:** 26E

EQUIPMENT DESCRIPTION:
10 MMBTU/HR PRODUCED GAS FLARE WITH AUTO IGNITION, SERVING VAPOR CONTROL SYSTEM LISTED ON S-2980-60, CANFIELD RANCH UNIT (SOUTH GOSFORD LEASE)

CONDITIONS

1. 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]
2. A flame shall be present at all times when combustible gases are vented through the flare. [District Rule 4311]
3. Flare 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]
4. If the flare uses a flow-sensing automatic ignition system and does not use a continuous flame pilot, the flare shall use purge gas for purging. [District Rule 4311]
5. An updated Flare Minimization Plan shall be submitted for this flare prior to its installation. [District Rule 4311]
6. 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, Ringlemann 1/4 or 5% opacity. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

S-2980-76-0; Apr 13 2012 9:46AM - TORID : Joint Inspection NOT Required

7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
8. Total quantity of produced gas combusted in flare shall not exceed 240 MMBtu/day. [District Rule 2201]
9. Emission rates from flare shall not exceed any of the following: PM10: 0.008 lb/MMBtu, SO_x (as SO₂): 0.07262 lb/MMBtu, NO_x (as NO₂): 0.068 lb/MMBtu, VOC: 0.063 lb/MMBtu, CO: 0.37 lb/MMBtu. [District NSR Rule]
10. Sulfur content of produced gas combusted shall not exceed 5 gr/100 scf [District Rule 2201]
11. Flare shall be equipped with operational produced gas volume flow meter. [District Rule 2201]
12. Flare shall be equipped with continuous pilot fired solely on propane or natural gas. [District Rules 2201 and 4311]
13. Measured heating value and quantity of flared gas shall be used to determine compliance with heat input limits. [District Rule 2201]
14. Higher heating value of flared gas and pilot gas shall be determined using ASTM D 1826 or D 1945 in conjunction with ASTM D 3588. [District Rule 1070]
15. The gas sulfur content of combustion gas, purge gas, and pilot gas shall be determined using double GC for H₂S and mercaptans or any of ASTM test methods D-1072, D-3246, D-4346, or D-6228 or by the gas/propane supplier. [District Rule 1081]
16. Permittee shall measure and record sulfur content of flared gas at least annually. [District Rule 2201]
17. Permittee shall keep accurate daily and annual records of flare gas volumes, sulfur content, and higher heating value of flared gas and such records shall be retained for a period of 5 years and be made readily available for District inspection upon request. [District Rule 2201]
18. Authorities to Construct (ATCs) S-2980-43-2, '44-2 and '46-2 shall be implemented prior to or concurrently with the implementation of this ATC. [District Rule 2201]
19. PTOs S-2980-25 and '65 shall be canceled prior to or concurrently with the implementation of this ATC. [District Rule 2201]