



San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



MAR 19 2013

Shams Hassan
E & B Natural Resources
34740 Merced Avenue
Bakersfield, CA 93308

**RE: Notice of Final Action - Authority to Construct
Project Number: S-1123679**

Dear Mr. Hassan:

The Air Pollution Control Officer has issued Authority to Construct permits to E & B Natural Resources for increasing the heat input of a waste gas flare from 600 MMBtu/day to 2,000 MMBtu/day, at Section 5, T28S, R27E.

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 February 7, 2013. The District's analysis of the proposal was also sent to CARB and US EPA Region IX on February 4, 2013. 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:DK/st

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
34846 Flyover Court
Bakersfield, CA 93308-8725
Tel: 881-392-5500 FAX: 681-392-5585



San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



MAR 19 2013

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-1123679

Dear Mr. Rios:

The Air Pollution Control Officer has issued Authority to Construct permits to E & B Natural Resources for increasing the heat input of a waste gas flare from 600 MMBtu/day to 2,000 MMBtu/day, at Section 5, T28S, R27E.

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David Warner
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San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



MAR 19 2013

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-1123679**

Dear Mr. Tollstrup:

The Air Pollution Control Officer has issued Authority to Construct permits to E & B Natural Resources for increasing the heat input of a waste gas flare from 600 MMBtu/day to 2,000 MMBtu/day, at Section 5, T28S, R27E.

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 February 7, 2013. The District's analysis of the proposal was also sent to CARB and US EPA Region IX on February 4, 2013. 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:DK/st

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Tel: 661-392-5500 FAX: 661-392-5585

Bakersfield Californian
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 E & B Natural Resources for increasing the heat input of a flare from 600 MMBtu/day to 2,000 MMBtu/day, at Section 5, T28S, R27E.

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

The application review for Project # S-1123679 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-1624-218-2

ISSUANCE DATE: 03/14/2013

LEGAL OWNER OR OPERATOR: E&B NATURAL RESOURCES MGMT
MAILING ADDRESS: ATTN: SHAMS HASAN
3000 JAMES ROAD
BAKERSFIELD, CA 93308

LOCATION: HEAVY OIL CENTRAL
CA

SECTION: SW5 **TOWNSHIP:** 28S **RANGE:** 27E

EQUIPMENT DESCRIPTION:

MODIFICATION OF JOHN ZINK 660 MMBTU/DAY AIR ASSIST FLARE WITH MODEL EEF-FA-8 FLARE TIP SERVING TANK VAPOR RECOVERY SYSTEM AND TEOR SYSTEM (BLACKWELL LEASE); INCREASE DAILY FUEL USE LIMIT TO 2,000 MMBTU/DAY

CONDITIONS

1. Unit S-1624-218 shall not operate within 1,000 ft. of a business or residential receptor. [District Rule 4102]
2. Assist air blower shall be capable of providing at least 20% of stoichiometric combustion air requirement. [District Rule 2080]
3. Flare air-assist blower shall be maintained and operated for smokeless combustion, i.e. no visible emissions in excess of 5% opacity or 1/4 Ringelmann except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. [District Rules 2201 and 4311]
4. Flare shall be operated with a flame present at all times, and kept in operation when emissions may be vented to them. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame. [District Rule 2201]
5. The flare shall be operated according to the manufacturer's specifications, a copy of which shall be maintained on site. [District Rule 2201]
6. Flare shall use purge gas for purging. [District Rule 4311]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (881) 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-1624-218-2 : Mar 14 2013 4:32PM - KLEVANN : Joint Inspection NOT Required

7. Flare shall be equipped with recording, volumetric flow meters that shall be used to individually monitor and record the volumes of produced gas and pilot gas combusted in this unit. [District Rule 2201]
8. 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. The pilot need not be present when the flare is isolated for required flare maintenance. [District Rule 4311, 5.3]
9. Flare shall be equipped with an automatic flow sensing 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 and unforeseen or necessary planned power outages. [District Rule 4311]
10. Open flares in which the flare gas pressure is less than 5 psig shall be operated in such a manner that meets the provisions of 40 CFR 60.18. [District Rule 4311, 5.6] Federally Enforceable Through Title V Permit
11. The sulfur content of gas combusted in the flare shall not exceed 1 gr/100 scf. [District Rule 2201]
12. Maximum amount of gas combusted shall not exceed 2,000 MMBtu/day nor 118,800 MMBtu/yr. [District Rule 2201]
13. Emissions from the flare shall not exceed any of the following limits (based on total gas combusted): NO_x (as NO₂): 0.068 lb/MMBtu; PM₁₀: 0.008 lb/MMBtu; CO: 0.37 lb/MMBtu; or VOC: 0.063 lb/MMBtu. [District Rule 2201]
14. Measured heating value and quantity of gas flared shall be used to determine compliance with heat input limits. [District Rule 2201]
15. Permittee shall submit and have approved by the APCO a flare minimization plan prior to operating the flare authorized by this permit. [District Rule 4311]
16. Permittee shall keep a copy of flare minimization plan on site for District inspection upon request. [District Rule 4311 and 40 CFR 60.18]
17. Flaring shall be consistent with the operator's approved flare minimization plan (FMP), pursuant to Section 6.5 of Rule 4311, and all commitments listed in that plan have been met. This standard shall not apply if the APCO determines that the flaring is caused by an emergency as defined by Section 3.7 of Rule 4311 and is necessary to prevent an accident, hazard or release of vent gas directly to the atmosphere. [District Rule 4311]
18. The operator of a flare subject to flare minimization requirements pursuant to Section 5.8 shall monitor the vent gas flow to the flare with a flow measuring device or other parameters as specified in the Permit to Operate. The operator shall maintain records pursuant to Section 6.1.7 of Rule 4311. Flares that the operator can verify, based on permit conditions, are not capable of producing reportable flare events pursuant to Section 6.2.2 of Rule 4311 shall not be required to monitor vent gas flow to the flare. [District Rule 4311]
19. To show compliance with sulfur emission limits (ppmv as H₂S), the gas being flared shall be tested weekly for sulfur content. If compliance with the fuel sulfur content limit and sulfur emission limits has been demonstrated for 8 consecutive weeks for the flared gas, then the compliance testing frequency shall be semi-annually. If the semi-annual sulfur content test fails to show compliance, weekly testing shall resume. [District Rule 2201]
20. The sulfur content of the gas being flared shall be determined using ASTM D 1072, D 3031, D 4084, D 3246 or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rules 1070 and 2201]
21. Permittee shall maintain accurate records of flared gas higher heating value, daily and annual quantities of produced gas, pilot gas, and sweep gas combusted in the flare, and flared gas concentration of H₂S. [District Rules 1070 and 2201]
22. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]