



NOV 08 2011

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 / Certificate of Conformity (Minor Mod)
Project # 1112924**

Dear Mr. Rios:

The Air Pollution Control Officer has issued an Authority to Construct (S-1413-13-12) with a Certificate of Conformity to Shell Pipeline Company LP. The project authorizes modification of a 20 MMBtu/hr natural gas-fired heater by removal of one 10 MMBtu/hr burner and tuning the remaining burner to meet the 9 ppmvd @ 3% O₂ NOX emission requirement of District Rule 4320.

Enclosed are copies of the Authority to Construct. The application and proposal were sent to US EPA Region IX on September 19, 2011. 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, Permit Services Manager, at (661) 392-5500.

Sincerely,



David Warner
Director of Permit Services

Enclosures
rue

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 08 2011

Mr. Carlton Jordan
Shell Pipeline Company LP
20945 S Wilmington Ave
Carson, CA 90810-1039

**Re: Final - Authority to Construct / Certificate of Conformity (Minor Mod)
Project # 1112924**

Dear Mr. Jordan:

The Air Pollution Control Officer has issued an Authority to Construct (S-1413-13-12) with a Certificate of Conformity to Shell Pipeline Company LP. The project authorizes modification of a 20 MMBtu/hr natural gas-fired heater by removal of one 10 MMBtu/hr burner and tuning the remaining burner to meet the 9 ppmvd @ 3% O₂ NO_x emission requirement of District Rule 4320.

Enclosed is the Authority to Construct and invoice. The application and proposal were sent to US EPA Region IX on September 19, 2011. 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.

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

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



AUTHORITY TO CONSTRUCT

PERMIT NO: S-1413-13-12

ISSUANCE DATE: 11/07/2011

LEGAL OWNER OR OPERATOR: SHELL PIPELINE COMPANY LP
MAILING ADDRESS: 20945 S WILMINGTON AVE
CARSON, CA 90810-1039

LOCATION: BAKERSFIELD PUMP STATION
1801 PETROL RD
BAKERSFIELD, CA 93308-9793

SECTION: SW35 **TOWNSHIP:** 28S **RANGE:** 27E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 20 MMBTU/HR BROACH NATURAL DRAFT HEATER WITH TWO NORTH AMERICAN MODEL 4211-12-LE-10 ULTRA LOW NOX BURNERS AND A FLUE GAS RECIRCULATION (FGR) SYSTEM: REMOVE ONE 10 MMBTU/HR BURNER AND TUNE REMAINING BURNER TO ACHIEVE 9 PPM NOX FOR RULE 4320 COMPLIANCE

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. Compliance with permit conditions in the Title V permit shall be deemed compliance with the subsumed requirements of Kern County Rule 407 and District Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [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

5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. No combustion contaminants exceeding in concentration at the point of discharge 0.1 grain per cubic foot of gas calculated to 12% of carbon dioxide at dry standard conditions shall be discharged into the atmosphere. [District Rules 4201, 3.0 and 4301, 5.1] Federally Enforceable Through Title V Permit
6. Heater shall only be fired on PUC-regulated natural gas from a utility with a sulfur content of less than or equal to 0.017% by weight. [District NSR Rule, District Rule 4301, and County Rule 407 (Kern)] Federally Enforceable Through Title V Permit
7. During standard operation, emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 9 ppmv NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.005 lb-PM₁₀/MMBtu, 400 ppmv CO @ 3% O₂ or 0.30 lb-CO/MMBtu, or 0.003 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
8. During startup and shutdown, emissions from the natural gas-fired unit shall not exceed any of the following: 1.0 lb-NO_x/hr, 0.03 lb-SO_x/hr, 0.05 lb-PM₁₀/hr, 3.0 lb-CO/hr, or 0.03 lb-VOC/hr. [District Rules 2201] Federally Enforceable Through Title V Permit
9. The total duration of startup time shall not exceed 2.0 hour per day. The total duration of shutdown time shall not exceed 2.0 hour per day. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
10. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during startup and shutdown. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
11. The permittee shall record the daily startup and shutdown duration times of the heater. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
12. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor 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
13. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, 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 the performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
14. 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
15. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (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

CONDITIONS CONTINUE ON NEXT PAGE

16. 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. 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 4306 (Amended 9/18/03). [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. Source testing to measure NO_x and CO emissions from this unit while fired on natural gas shall be conducted within 60 days of initial start-up. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
20. Source testing to measure NO_x and CO emissions from this unit while fired on natural gas shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. 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 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
21. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
22. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
23. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
24. 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
25. 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. 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 4306. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
26. 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 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
27. Operator shall maintain copies of natural gas invoices. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
28. 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, 2520, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

Due Date
1/6/2012

Amount Due
\$ 859.00

ATCFEE S1112924
1413 S97091 11/7/2011

Amount Enclosed

RETURN THIS TOP PORTION ONLY, WITH REMITTANCE TO:

SHELL PIPELINE COMPANY LP
20945 S WILMINGTON AVE
CARSON, CA 90810-1039

SJVAPCD
34946 Flyover Court
Bakersfield, CA 93308

Thank You!



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

SJVAPCD Tax ID: 77-0262563

SHELL PIPELINE COMPANY LP
BAKERSFIELD PUMP STATION
1801 PETROL RD
BAKERSFIELD, CA 93308-9793

Facility ID
S1413

Invoice Date
11/7/2011

Invoice Number
S97091

Invoice Type
Project: S1112924

PROJECT NUMBER: 1112924

APPLICATION FILING FEES	\$ 71.00
ENGINEERING TIME FEES	\$ 859.00
TOTAL FEES	\$ 930.00
LESS PREVIOUSLY PAID PROJECT FEES APPLIED TO THIS INVOICE	(\$ 71.00)
PROJECT FEES DUE (Enclosed is a detailed statement outlining the fees for each item.)	\$ 859.00

Late Payment (see Rule 3010, Section 11.0 Late Fees)	
Postmarked	Total Due
After 1/6/2012 through 1/16/2012	\$ 944.90
After 1/16/2012	\$ 1,288.50
After 2/5/2012	Permits To Operate MAY BE SUSPENDED

San Joaquin Valley Air Pollution Control District
34946 Flyover Court, Bakersfield, CA 93308, (661) 392-5500, Fax (661) 392-5585

Invoice Detail

Facility ID: S1413

SHELL PIPELINE COMPANY LP
 BAKERSFIELD PUMP STATION
 1801 PETROL RD
 BAKERSFIELD, CA 93308-9793

Invoice Nbr: S97091
 Invoice Date: 11/7/2011
 Page: 1

Application Filing Fees

Project Nbr	Permit Number	Description	Application Fee
S1112924	S-1413-13-12	MODIFICATION OF 20 MMBTU/HR BROACH NATURAL DRAFT HEATER WITH TWO NORTH AMERICAN MODEL 4211-12-LE-10 ULTRA LOW NOX BURNERS AND A FLUE GAS RECIRCULATION (FGR) SYSTEM: REMOVE ONE 10 MMBTU/HR BURNER AND TUNE REMAINING BURNER TO ACHIEVE 9 PPM NOX FOR RULE 4320 COMPLIANCE	\$ 71.00

Total Application Filing Fees: \$ 71.00

Engineering Time Fees

Project Nbr	Quantity	Rate	Description	Fee
S1112924	9.3 hours	\$ 100.00 /h	Standard Engineering Time	\$ 930.00
			Less Credit For Application Filing Fees	(\$ 71.00)
			Standard Engineering Time SubTotal	\$ 859.00

Total Engineering Time Fees: \$ 859.00