



New Source Permits

AIR NSR P 023

Air #: 106054331 106567

File Type: Permits

Volume: 003

Date: 1/1/2013 -

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August 28, 2013

Mr. Mike Wilson, P.E.
Air Permits Division, Office of Permitting
Texas Commission on Environmental Quality
PO Box 13087
Austin, Texas 78711-3087

RECEIVED

OCT 14 2013

TCEQ
CENTRAL FILE ROOM

RE: 116.620 Standard Permit - CORRECTION
EP Energy E&P Company LP (CN604089854)
Ritchie Farms North Facility
Cotulla, La Salle County
Standard Permit No. 106567 / RN106054331

Dear Mr. Wilson:

On behalf of EP Energy E&P Company LP (EP Energy), Kane Environmental Engineering respectfully submits the following correction to a recently authorized permit modification to the referenced facility. The serial number for the Caterpillar G3516TALE compressor engine, Unit 804025 (EPN C3), was reported incorrectly as 7NJ00888. The actual serial number should have been reported as WPW01801.

Enclosed is a corrected Table 29 for this engine. EP respectfully requests that the permit file be updated with this correction. If you have any questions or require additional information, please contact me directly at (512) 699-2444.

Sincerely,

Paul E. DeCiutiis, P.E., BCEE (#86896)
Kane Environmental Engineering (Registration No. F-2355)

Attachments

cc: Mr. Joseph P. Araiza, EP Energy E&P Company LP, Houston, TX
TCEQ Region 13, San Antonio, TX

DFE
505

194016-106567

Chelsea Burkett

From: airog
Sent: Friday, September 06, 2013 8:22 AM
To: 'JOE.ARAIZA@EPENERGY.COM'; 'PAUL.DECIUTIIS@GMAIL.COM'
Cc: Sandya Bhaskara
Subject: TCEQ APD Info. Request for EP Energy E&P Company, L.P., Ritchie Farms North Facility, Registration 106567

Please reply to all. Reviewer is attached to email.

Registration Number: 106567
Company Name: EP Energy E&P Company, L.P.
Site Name: Ritchie Farms North Facility
Regulated Entity Number: RN106054331

The TCEQ Air Permits Division Rule Registrations Section has received a registration under PBR 6002 - 116.620 PRE 2011-FEB-27.

Please respond to the following:

1. Please confirm if the company agrees to receive the response letter electronically and that no hard copy will need to be sent. All completed projects can be viewed at: <https://webmail.tceq.state.tx.us/gw/webpub>.
2. If the company has implemented the project.
3. If the company is waiting on a response from the TCEQ before starting construction.
4. If you have any updates to the project listed above, please send them in now.

Please note that these items constitute an initial review only. A full technical review may be completed at a later date and additional questions may be added. **We would appreciate a complete response within five business days of the date of this e-mail.** Please only respond once you have fully addressed each of the requested items.

Please reply to this AirOG e-mail address or call (512) 239-1250 and ask to speak to someone in the Rules & Registration Section if you have questions or concerns regarding this email.

The TCEQ continually strives to provide quality customer service and we value your opinion. We encourage you to tell us about your experience and how you believe we can improve. We ask that you take a moment to complete our [customer survey](#) to assist us in serving you better in the future.

Thank you for helping to protect the environment in Texas,

The Rule Registrations Section

09/03/2013 -----NSR IMS - PROJECT RECORD -----

PROJECT#: 198016 PERMIT#: 106567 STATUS: PENDING DISP CODE: _____
RECEIVED: 08/30/2013 PROJTYPE: REVISION AUTHTYPE: STDPMT ISSUED DT: _____
RENEWAL: 11/06/2022
PROJECT ADMIN NAME: ADMINISTRATIVE CHANGE
PROJECT TECH NAME: RITCHIE FARMS NORTH FACILITY

Assigned Team:RULE REG SECTION**STAFF ASSIGNED TO PROJECT:**

SUNIGA , RICHARD	- REVIEWR1_2 -	AP INITIAL REVIEW
TEAM LEADER , RR	- REVIEW ENG -	RULE REG SECTION

CUSTOMER INFORMATION (OWNER/OPERATOR DATA)

ISSUED TO: EP ENERGY E&P COMPANY, L.P.
COMPANY NAME: EP Energy E&P Company, L.P.
CUSTOMER REFERENCE NUMBER: CN604089854

REGULATED ENTITY/SITE INFORMATION

REGULATED ENTITY NUMBER: RN106054331 ACCOUNT:
PERMIT NAME: RITCHIE FARMS NORTH FACILITY

REGULATED ENTITY LOCATION: PROCEED 7 MI ON FM 468 FROM INTX W I 35 IN COTULLA TURN LEFT
HEADING SOUTH ON LEASE RD AND FOLLOW AROUND TO FACILITY 1.5 MI TO FACILITY ON LEFT

REGION 16 - LAREDO NEAR CITY: COTULLA COUNTY: LA SALLE

CONTACT DATA

CONTACT NAME: MR JOSEPH P ARAIZA CONTACT ROLE: RESPONSIBLE OFFICIAL
JOB TITLE: ENVIRONMENTAL EAGLE FORD ORGANIZATION: EP ENERGY E&P COMPANY LP
MAILING ADDRESS: 1001 LOUISIANA ST, HOUSTON, TX, 77002-5089
PHONE: (713) 997-5452 Ext: 0
FAX: (713) 445-8380 Ext: 0
EMAIL:JOE.ARAIZA@EPENERGY.COM

CONTACT NAME: MR PAUL DECIUTIIS CONTACT ROLE: TECHNICAL CONTACT
JOB TITLE: CONSULTANT ORGANIZATION: KANE ENVIRONMENTAL ENGINEERING INC
MAILING ADDRESS: 11400 W PARMER LN APT 98, CEDAR PARK, TX, 78613-4864
PHONE: (512) 699-2444 Ext: 0
FAX: (512) 350-8031 Ext: 0
EMAIL:PAUL.DECIUTIIS@GMAIL.COM

PROJECT NOTES:

09/03/2013 DFC 09/03/13
 09/03/2013 FEE OR PI-1S NOT REQUIRED

PERMIT NOTES:

11/06/2012 THE COMPANY REQUESTED VOIDANCE OF PBR 94361 UPON ISSUANCE OF THIS STANDARD PERMIT.

TRACKING ELEMENTS:

TE Name	Start Date	Complete Date
APIRT RECEIVED PROJECT (DATE)	08/30/2013	
APIRT TRANSFERRED PROJECT TO TECHNICAL STAFF (DATE)	09/04/2013	
CENTRAL REGISTRY UPDATED		
COMPLIANCE HISTORY REVIEW COMPLETED (DATE)		
DEFICIENCY CYCLE		
DRAFT PERMIT RFC SENT TO REGION (DATE)		
ENGINEER INITIAL REVIEW COMPLETED (DATE)		
FINAL PACKAGE REWORK CYCLE		
FINAL PACKAGE TO SECTION MANAGER FOR REVIEW (DATE)		
FINAL PACKAGE TO TEAM LEADER OR SUPERVISOR FOR REVIEW (DATE)		
PEER / MANAGER REVIEW PERIOD		
PROJECT FORWARDED TO ADMIN (DATE)		
PROJECT RECEIVED BY ENGINEER (DATE)		
PROJECT RECEIVED BY TECHNICAL STAFF FROM APIRT (DATE)		
WORKING DRAFT PERMIT REVIEW CYCLE		
WPO FINAL PACKAGE CYCLE		

Permit Unit Type:**PROJECT RULES:**

Unit Desc	Rule Desc	Request Type	On Application	Approve
OIL AND GAS PRODUCTION FACILITIES	6002 - 116.620 PRE 2011-FEB-27 -	ADD	Y	APPROVE

PERMIT RULES:

Unit Desc	Rule Desc	Start Date	End Date
OIL AND GAS PRODUCTION FACILITIES	6002 - 116.620 PRE 2011-FEB-27	11/06/2012	
OIL AND GAS PRODUCTION FACILITIES	6002 - 116.620 PRE 2011-FEB-27	07/26/2013	
OIL AND GAS PRODUCTION FACILITIES	6002 - 116.620 PRE 2011-FEB-27	05/20/2013	

Table 29
RECIPROCATING ENGINES

ENGINE DATA	
Emission Point Number From Table 1(a) <u>EPN C3</u>	Manufacturer <u>Caterpillar</u>
APPLICATION ☒ Gas Compression ☐ Electric Generation ☐ Refrigeration ☐ Other (Specify) _____	Model No. <u>G3516TALE</u> Serial No. <u>WPW01801 (Unit 804025)</u> Orig. Mfr. Date <u>11-1-2007</u> Rebuild Date(s) _____ No. of Cylinders <u>16</u> Compression Ratio <u>9:1</u>
☒ 4 Stroke Cycle ☐ Carburetted ☐ Spark Ignited ☐ Dual Fuel ☐ 2 Stroke Cycle ☒ Fuel Injected ☐ Diesel	
Naturally Aspirated _____ Blower/Pump Scavenged _____ Turbocharged & I.C. ☒ Turbocharged _____ Intercooled (I.C.) _____ I.C. Water Temperature <u>130 F</u>	
Ignition/Injection Timing: ☒ Fixed _____ Variable Mfg. Rating Horsepower <u>1340</u> Speed (rpm) <u>1400</u> Proposed Operating Range <u>1340</u> <u>1400</u>	

FUEL DATA	
☒ Field Gas ☐ Landfill Gas ☐ LP Gas ☐ Other ☒ Natural Gas ☐ Digester Gas ☐ Diesel	
Engine Fuel Consumption <u>7541</u>	BTU/bhp-hr
Heat Value (specify units) <u>~1000</u>	(HHV) (LHV)
Fuel Sulfur Content _____	(grains/100 scf)(weight percent)

FULL LOAD EMISSIONS DATA	
NO _x <u>1.5</u> g/bhp-hr	CO <u>1.9</u> g/bhp-hr
_____ ppmv	_____ ppmv
VOC(C ₃ ⁺) <u>1.0</u> g/bhp-hr	HCHO _____ g/bhp-hr
_____ Ppmv	_____ ppmv
<i>Attach information showing emissions versus engine speed and load.</i>	
Method of Emissions Control:	
☒ Lean Operation _____ Parameter Adjustment _____ SCR Catalyst ☐ Stratified Charge _____ NSCR Catalyst _____ Other (Specify) _____	

ADDITIONAL INFORMATION
<i>On separate sheets attach the following:</i> A. A copy of engine manufacturer's site rating or general rating specification for the engine model. B. Typical fuel analysis, including sulfur content and heating value. For gaseous fuels, provide mole percent of constituents. C. Description of air/fuel ratio control system (manufacturer information acceptable). D. Details regarding principle of operation of emissions controls. If add-on equipment is used, provide make and model and manufacturer's information. E. Exhaust parameter information on Table 1(a).



Sep 19, 2012

Eddie Patrick
Exterran Energy
232 North Padre Island Drive
Corpus Christi, TX 78406

Exterran

QHSE and Operations Services
16666 Northchase Drive
Houston, Texas 77060 U.S.A.

Main 281.836.7000
Fax 281.836.8161
www.terran.com

Re: Engine Pedigree for Exterran Compressor Unit 804025, Engine Serial Number WPW01801

In order to better assist your company with any of its state and federal permitting needs, Exterran submits the following information in regards to the engine of the above-referenced compressor unit, which Exterran is currently utilizing to provide your company contract compression services. This letter should provide information necessary to answer questions pertaining to, but not limited to, the New Source Performance Standards (NSPS) for Stationary Spark Ignition Internal Combustion Engines, Subpart JJJJ. This information is current as of Sep 19, 2012.

Engine Make:	CATERPILLAR
Engine Model:	G3516TALE AFR
Engine Serial Number:	WPW01801
Engine Type:	4 Stroke LB
Engine Category:	Existing
Engine Subcategory:	Non Certified
Engine NSPS Status*:	Exempt
Exemption Justification*:	No overhauls since 6/12/06
Engine Speed:	1400.00
OEM Rated HP:	1340.00
Engine Manufacture Date:	Nov 01, 2007
Customer:	N/A
Business Unit:	South Texas
Exterran Unit Number:	804025
Customer Lease Name:	N/A

Please contact Kyle Poycker with any questions at or kyle.poycker@terran.com.

* The "Engine NSPS Status" and "Exemption Justification" entries herein are based on Exterran's present knowledge of the engine in question and its reading of U.S. EPA's regulations and guidance pursuant to 40 C.F.R. Part 60, Subpart JJJJ. Any change in law or in the federal, state, or local interpretation of existing law could result in this engine being subject to additional or different legal requirements. These conclusions are Exterran's and are not offered as legal opinions or advice to your company. Additionally, any reconstruction or modification respecting this engine (as those terms are defined in the applicable regulations) could result in the applicability of Subpart JJJJ or other legal requirements to this engine and create legal compliance responsibilities for your company.