



Environmental Affairs  
188 CR 4900  
Bloomfield, NM 87413  
505/632-4625  
505/632-4781 Fax

June 22, 2010

Air Enforcement Section, 6EN-A  
1445 Ross Avenue  
Dallas, TX 75202-2733

Re: Part 71 Permit #R6NM-04-10R1M1  
Williams Field Services' Los Mesteños Compressor Station  
I

Dear Madam/Sir:

Please find enclosed the results of the emissions tests required by condition 3.2.4.1 of the Los Mesteños Part 71 air permit, R6NM-04-10R1M1. EPA method tests were conducted in conjunction with side-by-side portable analyzer testing in order to comply with condition 3.2.4.1.4 if Williams determines to conduct subsequent quarterly emissions testing on Unit 2 with a portable analyzer.

The testing conducted by APT demonstrates that both units are operating in compliance with the EPA air permit.

If you have any questions, please call Aaron Dailey, Environmental Specialist, at (505) 632-4708.

Sincerely,

Aaron Dailey  
Environmental Specialist  
Williams Four Corners, LLC

A handwritten signature in black ink, appearing to read "A. Dailey / copy".

Enclosures

xc: Aaron Dailey, WFS FCA file 160

From: Origin ID: FMNA (505) 632-4708  
 Aaron Dailey  
 Williams Environmental  
 188 County Road 4900  
 Bloomfield, NM 87413



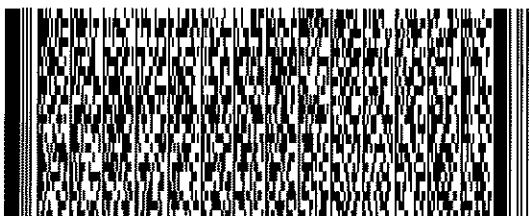
Ship Date: 22JUN10  
 ActWgt: 3.0 LB  
 CAD: 100945005/NET3060

Delivery Address Bar Code



Ref #  
 Invoice #  
 PO #  
 Dept #

SHIP TO: (000) 000-0000 **BILL SENDER**  
**Tony Robledo**  
**US EPA Region 6**  
**1445 ROSS AVE**  
**AIR ENFORCEMENT SECTION, 6EN-A**  
**DALLAS, TX 75202**

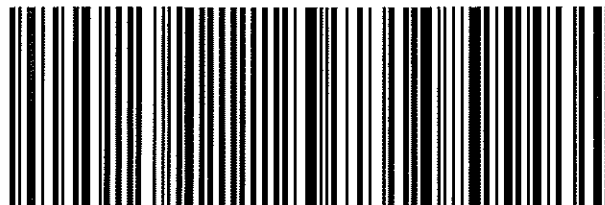


TRK# 7936 6132 8782  
 [0201]

WED - 23 JUN A1  
 PRIORITY OVERNIGHT

75202  
 TX-US  
 DFW

**XH RBDA**



508G1/22F2/9A24

**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

**1. Introduction**

Air Pollution Testing (APT) was contracted by Williams Four Corners, LLC to conduct source emission test services at the Los Mestenos Compressor Station located on the Jicarilla Apache Reservation in Rio Arriba County, about 15 miles northwest of Gavilan, New Mexico.

The purpose of the emissions testing program was to quantify the concentrations and mass emission rates of nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), total volatile organic compounds (TVOC) and formaldehyde (HCHO) from the exhaust stack of one (1) Solar Saturn Model 1200 natural gas-fired combustion turbine and one (1) Caterpillar Model 399 TA natural gas-fired reciprocating internal combustion engine (RICE).

The data are being used to determine the compliance status of the source with respect to applicable United States Environmental Protection Agency (U.S. EPA) Region 6 permit limitations contained in the Title V Operating Permit No. R6NM-04-10R1M1 issued on April 1, 2010.

Additionally, portable analyzer testing was conducted simultaneously with the reference method testing to show a comparison of emission rates.

Contact personnel are provided in Table 1.1 below. Source identification and emission limits are detailed in Table 1.2 on the following page.

<b>Williams Four Corners, LLC: Los Mestenos Compressor Station Contact Personnel</b>		
<i>Name, Title</i>	<i>Company, Address</i>	<i>Phone, FAX, email</i>
Mr. Aaron Dailey, Environmental Specialist	Williams Four Corners, LLC 188 County Road 4900 Bloomfield, New Mexico 87413	505-632-4708, 505-632-4781 <a href="mailto:Aaron.Dailey@williams.com">Aaron.Dailey@williams.com</a>
Tony Robledo, Air Toxics Section	U.S. EPA Region 6 1445 Ross Avenue, Suite 1200 Dallas, Texas 75202	214-665-8182 <a href="mailto:robledo.tony@epa.gov">robledo.tony@epa.gov</a>
Mr. Chris Keefe, Operations Director	Air Pollution Testing, Inc. 5530 Marshall Street Arvada, Colorado 80002	303-420-5949 ext. 24, 303-420-5920 <a href="mailto:ckeefe@airtct.net">ckeefe@airtct.net</a>

**Table 1.1: Contact Personnel**

<b>Williams Four Corners, LLC: Los Mestenos Compressor Station</b>		
<b>Source Identification Summary</b>		
<i>Source ID</i>	<i>Site-Rated Capacity</i>	<i>Emission Parameters</i>
Solar Saturn 1200 (Unit 1)	1,136 hp	NO <sub>x</sub> = 4.4 lb/hr, 19.3 tpy, 150 ppm@15% O <sub>2</sub> <sup>(1)</sup> CO = 2.6 lb/hr, 11.4 tpy TVOC = 0.09 lb/hr, 0.4 tpy HCHO = 0.09 lb/hr, 0.4 tpy
Caterpillar G-399-TA (Unit 2)	598 hp	NO <sub>x</sub> = 34.9 lb/hr, 153 tpy CO = 24.4 lb/hr, 107 tpy TVOC = 0.65 lb/hr, 2.9 tpy HCHO = 0.16 lb/hr, 0.7 tpy
<sup>(1)</sup> <b>40 CFR 60, Subpart GG limit</b> lb/hr = pounds per hour, tpy = tons per year, ppm@15%O <sub>2</sub> = parts per million corrected to 15% oxygen		

**Table 1.2 : Source Identification Summary**

## 2. Test Results Summary

The results of the testing conducted by APT demonstrate that the units were operating in compliance with the emissions restrictions imposed by Title V Operating Permit No. R6NM-04-10R1M1. The results of the testing, with definitions, etc., are presented in Tables 2.1 and 2.2. Any testing parameters not found in the tables may be found in *Appendix 1 – Testing Parameters / Sample Calculations*.

The following terms and abbreviations are used in the tables:

- %vd – dry volume percent
- dscfm – exhaust gas flow rate, dry standard (one atm., 68°F) cubic feet per minute
- lb/hr – mass emissions in pounds per hour
- tpy – mass emissions in tons per year assuming 8,760 hours of operation per year
- ppmvd – parts per million, dry volume
- ppmvd @ 15% O<sub>2</sub> – parts per million, dry volume, at 15 percent oxygen
- ppmvw – part per million, wet volume
- BHP – brake horse power
- % load – load percent
- as C<sub>3</sub>H<sub>8</sub> – as propane

Project Number WFC9383  
Test Report – Los Mestenos Compressor Station

<b>Williams Four Corners, LLC: Los Mestenos Compressor Station Solar Saturn 1200, Test Results (5/11/10)</b>						
<b>Run #</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>Average</b>	<b>Portable Testing Results</b>	<b>Permit Limits</b>
Start Time	18:05	19:24	20:41			
Stop Time	19:05	20:24	21:41			
O <sub>2</sub> (%vd)	16.7	16.7	16.7	16.7		
CO <sub>2</sub> (%vd)	2.7	2.7	2.7	2.7		
Gas Flow (dscfm)	7,961	8,127	8,085	8,057		
BHP*	1,151	1,151	1,151	1,151		
% load	101	101	101	101		
NO <sub>x</sub> (ppmvd)	50.4	49.6	49.2	49.7		
CO (ppmvd)	25.2	25.0	25.6	25.3		
TVOC (ppmvw as C <sub>3</sub> H <sub>8</sub> )	1.7	1.2	1.4	1.4		
HCHO (ppmvd)	3.9	1.5	0.3	1.9		
NO <sub>x</sub> (ppmvd @ 15% O <sub>2</sub> )	71.0	69.7	69.0	69.9		<b>150</b>
NO <sub>x</sub> (lb/hr)	2.9	2.9	2.8	2.9	<b>3.5</b>	<b>4.4</b>
NO <sub>x</sub> (tpy)	12.6	12.6	12.5	12.6	<b>15.2</b>	<b>19.3</b>
CO (lb/hr)	0.9	0.9	0.9	0.9	<b>0.4</b>	<b>2.6</b>
CO (tpy)	3.8	3.9	3.9	3.9	<b>1.6</b>	<b>11.4</b>
NMEOC (ppmvd)	0.0	0.0	0.0	0.0		
NMEOC (lb/hr)	0.0	0.0	0.0	0.0		<b>0.09</b>
NMEOC (tpy)	0.0	0.0	0.0	0.0		<b>0.4</b>
HCHO (lb/hr)	0.14	0.06	0.01	0.07		<b>0.09</b>
HCHO (tpy)	0.6	0.3	0.1	0.3		<b>0.4</b>

**Note:** Runs 1-3 NMEOC values were slightly negative so a value of zero was substituted.  
\* Calculated using EPA Method 19.

**Table 2.1: Test Results Summary, Solar Saturn 1200**