

2700-FM-AQ0023 Rev. 1/2008 pennsylvania <small>DEPARTMENT OF ENVIRONMENTAL PROTECTION</small>		<h1 style="margin: 0;">INSPECTION REPORT</h1>		Commonwealth of Pennsylvania Department of Environmental Protection Air Quality Program		
Date(s) of Inspection: <i>10 Nov 15</i>	TV <input type="checkbox"/> SM <input type="checkbox"/> NM <input type="checkbox"/>	PA <input type="checkbox"/> GP <input type="checkbox"/> MEGA <input checked="" type="checkbox"/>	Permit #(s): <i>GPS-26-00557D</i>	Expiration Date: <i>2 Jul 20</i>	Case #: <i>06-587</i>	PF ID #: <i>719219</i>
Company Name: <i>Laurel Mt. Midstream LLC</i>			Municipality: <i>Springhill Twp</i>		County: <i>Fayette</i>	
Plant Name: <i>Springhill #2 compressor</i>			Physical Location: <i>Springhill Twp</i>		Federal ID — Plant Code #:	
Responsible Official: <i>Dick Baker</i>			Mailing Address:			
Title: <i>Sr Environmental Spec.</i>			<i>Springhill Twp, Pa</i>			
Phone #(s): <i>412 757-4296</i>						

Mark (X) All Inspection Types That Apply To This Inspection:

<input checked="" type="checkbox"/> Full Compliance Evaluation (FCE)	<input type="checkbox"/> Plan Approval Inspection	<input type="checkbox"/> File Review (FR)
<input type="checkbox"/> Operating Permit Inspection (PI)	<input type="checkbox"/> Initial Permit Inspection (IPI)	<input type="checkbox"/> Complaint Inspection (CI)
<input type="checkbox"/> Routine/Partial (RTPT)	<input type="checkbox"/> Follow-Up Inspection (Ref. Date: _____)	<input type="checkbox"/> Sample Collection (SC)
<input type="checkbox"/> Minor Source(s) Inspection (RFD)	<input type="checkbox"/> Stack Test Observation	<input type="checkbox"/> Multi-Media Inspection (MM)
<input type="checkbox"/> Other:	<input type="checkbox"/> Announced	

Annual Compliance Certification Received: ☐ YES ☐ NO ☒ N/A Date Received: _____
 AIMS Report Received: ☐ YES ☐ NO ☒ N/A Date Received: _____

Mark (X) All Activities That Apply:

<input checked="" type="checkbox"/> File Review	<input checked="" type="checkbox"/> Pre-Inspection Briefing	<input checked="" type="checkbox"/> Exit Interview/Briefing
<input checked="" type="checkbox"/> Pre-Inspection Observations	<input checked="" type="checkbox"/> Check For New/Unreported Sources	<input type="checkbox"/> Sample(s) Collected
<input checked="" type="checkbox"/> Visible Emissions Observations	<input type="checkbox"/> Verify Operation of CEMS	<input type="checkbox"/> Other

Comments/Recommendations:

Enforcement since last FCE ☐ Yes ☐ No (If yes, attach summary)

Springhill #2 Compressor Station (S2CS) - provides compression & dehydration for a Nat'l gas gathering system on the Marcellus Shale. Nat'l gas is drawn from desorb wells, compressed, dehydrated, & discharged to a Nat'l gas transmission pipeline. This site is located approx 1.5 miles N.W. of Point Marion @ 585 Hope Hollow Rd.

Compliance Status: <input checked="" type="checkbox"/> In <input type="checkbox"/> Out <input type="checkbox"/> Pending <input type="checkbox"/> Awaiting Co. Report	Needs a Follow-Up Inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Company Representative: <i>Richard Baker</i>	Title: <i>Env. Spec.</i>
Signature: <i>Richard Baker</i>	Date: <i>12/1/15</i>
DEP Representative: <i>Gary L. Brown</i>	Title: <i>AQS</i>
Signature: <i>Gary L. Brown</i>	Date/Time: <i>10:00 hr</i>

This document is official notification that a representative of the Department of Environmental Protection, Air Quality Program, inspected the identified site. The findings of this inspection are shown above and on any attached pages, and may include violations uncovered during the inspection. Violations may also be discovered upon review of sample results or from any additional review of Department records. Notification will be forthcoming, if such violations are noted.

INSPECTION REPORT

Continued

 Commonwealth of Pennsylvania
 Department of Environmental Protection
 Air Quality Program
Sources

* One 1500 bhp electric motor driven compressor
 running: Y / N

make

speed - 1193 rpm

model

suction - 50.4 PSI

ser #

JE F08050

discharge - 845 PSI

* A) 1,380 bhp Caterpillar G3516B 4SLB

↓ nat'l GAS-fired compressor =

2 running: (Y) / N

make

model

ser # - ~~JE503057~~ JE503057

stack - OK

Temp pre CAT - 940°F
 post CAT - 934°F

Eng speed - 1367 rpm

suction - 175 PSI

fuel comp - 841 PSI

B) 1,380 bhp Caterpillar G3516B 4SLB:

nat'l GAS-fired compressor -

running: (Y) / N

make

model

ser # JE503057

speed - 1378 rpm

suction - 175 PSI

stack = OK

Temp CAT - 944°F pre

900°F post

comp PSI - 56.4

Company -- plant name:

Initials of representative interviewed:

Date:

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INSPECTION REPORT

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Sources:

* 25 MMd triethylene glycol dehydrator
(regenerator) w/ associated .25 MM Btu/hr
nat'l gas-fired reboiler.

Is there liquid hold tank near by?

if so how much is in it?

* Etc compressor uses this one

make - Kimray pump

model

ser #

Temp - 90°

PSI - 800 PSI

no. of stroke per min - 32 strokes 450 gal/min

- Running

- new 40 MMd triethylene glycol dehydrator
w/ .75 MM Btu/hr nat'l gas reboiler.

[Flash tank controlled by reboiler & regenerator]

Is there liquid hold tank near by?

if so how much is in it?

make - Kimray Pump

model

ser #

* 2 nat'l Gas compressors use this one

Temp 76°

PSI 800 PSI

42 stroke per min.

Company -- plant name:

Initials of representative interviewed:

Date:

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Commonwealth of Pennsylvania
Department of Environmental Protection
Air Quality Program

Sources -

Water Tanks

Amt in it

A) 150 bbl capacity -

^{how}
Amt or est

B) 150 bbl capacity - approx - $\frac{1}{2}$ full

C) 100 bbl capacity - approx - $\frac{1}{2}$ full

D) 24 bbl capacity - approx $\frac{1}{2}$ full

- These tank will empty sometime before weather turns ~~cold~~ ^{like} due to Access. (steep hill @ entrance makes it hard for Tankers when snow or mud are present)

Company -- plant name:

Initials of representative interviewed:

Date:

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INSPECTION REPORT

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General ConditionsSection A Condition #9~~PHINNESSEN LITHOGRAPH~~

- Emission from all sources & associated air pollution control equipment located @ unit gas compression & air processing facility shall not equal or exceed any of the following on 12 month rolling sum basis:

- NOx 100 Tons

- CO 100 Tons

- SOx 100 Tons

PM10 - 100 Tons

PM2.5 - 100 Tons

VOC - 50 Tons

HAPs - 10 Tons

Did They submit Compliance Cert? yes DateDid They submit ARI DATA? yes Date

* Re 2 G3516R engines are consider new sources
std under GP-5

NOx → 5 g/bhp-hr

CO → 4.7 (93% reduction) g/bhp-hr

NMHC/VOC → .25 g/bhp-hr

HCHO → .05 g/bhp-hr

Did They perform an "initial performance test"

8,760 hr of running or in Re last 3 yrs? Y 12/1 pending

Company -- plant name:

Initials of representative interviewed:

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Compressor Engines - Caterpillar G3516B

Does each of these engines have a platinum
oxidation catalyst?

Yes/
no

- do they do "Pigging" from or near this site.

Yes/
no

- get copy of insert recs - company will send info

- get copy of instructions if any - Company will send info

ARE they doing VE readings &
malodor checks. -

Yes/
no

- copies will send info.

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If so get copy of performance test results
for these ~~sources~~ - when can they
send them to the Department? ~~yes~~

- Is LMW doing periodic monitoring for
MCH2 CO? yes / no (note: since Rose engine
just came on line there is
~~not~~ planned to happen anytime)

Glycol Dehydrators

Are there any odors coming from the
Dehydrators? yes / no

- Is there any V.E. coming from the Dehydrators?
yes / no

Did they do
work on the GRI-CLYcol report? on
the dehydrators? yes - get copy of results.
no

Section "H"

LEAK detection -

- copies of the AVO inspections - not done yet
Do they have them? yes / N/A

Records of Quarterly FLARE Gamma results
yes / N/A not done yet.
no

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Date:

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