



Countywide Recycling & Disposal Facility
 Division of Republic Waste Services of Ohio
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RECEIVED

APR 19 2007

OHIO EPA
 DIV. OF SOLID & INFECTIOUS WASTE MGMT
 April 16, 2007

Ohio Environmental Protection Agency, Central Office
 Division of Solid and Infectious Waste Management
 Attn: Mr. Ed Gortner
 PO Box 1049
 Columbus, Ohio 43216-1049

RE: WRITTEN DEMONSTRATION FOR GAS WELLS WITH OXYGEN EXCEEDANCES
 ORDER 4.B.2, DIRECTOR'S FINAL FINDINGS AND ORDERS OF MARCH 28, 2007
 COUNTYWIDE RECYCLING AND DISPOSAL FACILITY

Dear Mr. Gortner:

Beginning the week of April 1, 2007, Countywide Recycling and Disposal Facility (Countywide) analyzed the oxygen content of each landfill gas (LFG) well on a daily basis as required by Order 4.B. Upon initial reading, the majority of the LFG wells that were measured exhibited oxygen levels at or below the 1.5% target level identified in the Findings and Orders. Several wells that were over the 1.5% oxygen level have been corrected per Order 4.B.1. However, as of April 13, 2007, and after corrective measures were taken, seven (out of 155) LFG wells were still above 1.5% oxygen content, therefore, Countywide hereby submits this written demonstration for landfill gas extraction well exceedances as required by Order 4.B.2, which states:

"If corrective measures undertaken by Respondent fail to lower the oxygen levels within the gas extraction well to 1.5% oxygen by volume, Respondent shall submit a written demonstration to Ohio EPA not later than 14 days after Respondent's initial discovery of the landfill gas extraction well exceedance which explains why a given landfill gas extraction well or wells cannot meet the 1.5% oxygen by volume target goal. The demonstration shall further document in detail all of the corrective measures undertaken by Respondent to achieve the 1.5% by volume level since the exceedance. Respondent's written demonstration may further request an alternative oxygen concentration."

The seven LFG wells identified during the week of April 1, 2007 are noted in Table 1, below.

Table 1
LFG Wells with Greater than 1.5% Oxygen During the Week of April 1, 2007
For Which Written Demonstration is Required

Well ID	Date of Initial Exceedance	Initial Oxygen Content	Last Oxygen Content As Of April 13, 2007
PW-121R	4/2/2007	5.6%	5.8%
C-1	4/3/2007	12.9%	20.9%
PW-106	4/4/2007	21.9%	6.9%
PW-109	4/5/2007	8.7%	6.6%
PW-146	4/3/2007	4.6%	4.7%
PW-156	4/3/2007	5.2%	4.4%
PW-166	4/4/2007	13.1%	7.8%

Required corrective actions were taken as described in Table 2, however these LFG wells are still exhibiting oxygen concentrations above 1.5% by volume.

**Table 2
Corrective Actions Taken During the Week of April 1, 2007
and Reason Mandated Oxygen Content Not Achieved**

Well ID	Corrective Actions Taken	Reason 1.5% Level Not Achieved
PW-121R	Nominal vacuum adjustment, assessed well integrity and made repairs, performed repairs on leachate pump installed in this LFG well	<i>Well watered-in.</i> Need additional time to allow leachate pump to dewater well and expose perforations
C-1	Nominal vacuum adjustment, assessed well integrity, determined well was pinched/blocked at 16' below ground surface (BGS). Nominal vacuum adjustment.	<i>Well damaged.</i> This LFG well has been compromised below grade and needs to be assessed for possible abandonment and replacement.
PW-106	Assessed well integrity, performed well repairs, tightened flange connection, determined well was pinched/blocked at 18' BGS. Nominal Vacuum adjustment.	<i>Well damaged.</i> This LFG well has been compromised below grade and needs to be assessed for possible abandonment and replacement.
PW-109	Nominal vacuum adjustment, assessed well integrity, replaced wellhead and fittings	<i>More cover repairs needed.</i> Need additional time for tuning and cover repair, possible cover integrity issues (wet weather prevented repairs)
PW-146	Nominal vacuum adjustment, assessed well integrity, replaced wellhead and performed depth-to-water investigation, repaired well boot and leachate pump in this LFG well	<i>Well watered-in.</i> Need additional time to allow leachate pump to dewater well and expose perforations
PW-156	Nominal vacuum adjustment, replaced wellhead, performed depth-to-water investigation, added bentonite to repair well bore seal, took down-hole gas sample at 30' to evaluate if O ₂ is deeper in well casing.	<i>Unknown.</i> Need additional time to investigate source of oxygen in this LFG well
PW-166	Nominal vacuum Adjustment, assessed well integrity, performed depth-to-water investigation, added bentonite to repair well bore seal	<i>Unknown. Potentially additional cover repair needed.</i> Need additional time to make cover repairs (wet weather prevented repairs)

A complete historical record of the corrective actions taken by Countywide for each of these LFG wells is provided in Attachment A. Chronological listing of oxygen content readings taken on each of these LFG wells is provided in Attachment B.

Countywide proposes a timeline to correct the oxygen exceedance at each of these LFG wells as shown in Table 3.

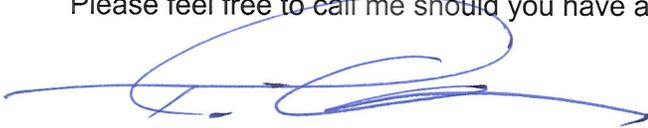
**Table 3
Proposed Timeline to Achieve 1.5% Oxygen Content**

Well ID	Requested Timeline for Correction
PW-121R	May 2 (30 days from initial exceedance) to allow the leachate pump to dewater well and expose perforations
C-1	Minimal vacuum applied to well for compliance with NSPS pressure requirements. Well to be possibly redrilled within 120 days of the date of this letter pending feasibility assessment.
PW-106	Minimal vacuum applied to well for compliance with NSPS pressure requirements. Well to be possibly redrilled within 120 days of the date of this letter pending feasibility assessment.
PW-109	May 5 (30 days from initial exceedance) to evaluate/repair cover and conduct additional tuning at well
PW-146	May 3 (30 days from initial exceedance) to allow pump to dewater well and expose perforations
PW-156	May 3 (30 days from initial exceedance) to further investigate source of oxygen in well and undertake corrective actions.
PW-166	May 4 (30 days from initial exceedance) to evaluate/repair cover and conduct additional tuning.

Countywide does not believe that the source of oxygen for any of these LFG wells is a result of overpull, nor is the oxygen being introduced into the waste mass. Instead we believe the air is vapor-locked in the top of these wells or is from shallow air intrusion.

Please note that if Countywide is not able to achieve the required 1.5% oxygen concentration as a result of additional investigation and corrective actions within the timelines requested in Table 3, Countywide may request higher operating parameters for these LFG wells, if necessary. In addition Countywide will continue to monitor these LFG wells as required and continue working to achieve 1.5% or less oxygen concentration for these LFG wells.

Please feel free to call me should you have any questions.



Tim Vandersall, P.E.
General Manager

Attachments:

Attachment A - Well Assessment and Repair Logs
Attachment B – Chronological Oxygen Content Readings

cc: Bill Skowronski, OEPA-NEDO
Kirk Norris, SCHD
Dan Aleman, CHD
Todd Hamilton, CWRDF
Kyle Nay, Cornerstone
Mike Michels, Cornerstone
Mike Contestabile, Cornerstone
Jason Perdion, B&H
Jim Walsh, SCS Engineers

Attachment A
Historical Record of Corrective Actions



PRIORITY RESPONSE TO > 1.5% O2 LFG WELL READING

Well Identification: PW 1A1R
Date: 4-2-07 **Time:** 1440 of initial discovery of > 1.5% oxygen
Technician: JOEL NEPSA **% O2 non-compliant reading:** 7.4
Possible issue(s): PUMP NO. 1 UNWORKING, 1 LEAKING CONNECTIONS
 Yes No N/A Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"

Date: _____ of AEGL O&M Well Integrity Assessment (below)
Technician: _____

<p>Complete within 1-day of initial discovery</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input checked="" type="checkbox"/> Is well labeled?</p> <p><input checked="" type="checkbox"/> Is well head remote?</p> <p><input checked="" type="checkbox"/> Is well hard piped?</p> <p><input checked="" type="checkbox"/> Are all sample ports in good condition?</p> <p><input type="checkbox"/> Are all flanges in good condition?</p> <p><input type="checkbox"/> Are all other connections in good condition?</p> <p><input checked="" type="checkbox"/> Is well valve in good condition?</p> <p><input type="checkbox"/> Is the well kanaflex in good condition?</p> <p><input checked="" type="checkbox"/> Is there a pump in the well?</p> <p><input checked="" type="checkbox"/> Does pump require service?</p> <p><input checked="" type="checkbox"/> Is well casing in good condition?</p> <p><input checked="" type="checkbox"/> Miscellaneous - please describe</p> <p><input checked="" type="checkbox"/> Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input checked="" type="checkbox"/> Is well lateral / header in good condition?</p> <p><input type="checkbox"/> Is lateral or header line surging?</p> <p><input type="checkbox"/> Is the well surging?</p> <p><input type="checkbox"/> Lateral or Header Piping</p> <p><input checked="" type="checkbox"/> Is well boot (liner) in good condition?</p> <p><input checked="" type="checkbox"/> Is well bore (soil) in good condition?</p> <p>Yes No N/A</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> Compliance achieved?</p> <p>_____ Date compliance achieved?</p> <p>_____ % O2 compliant reading</p>
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HOPE PIPE HAS A PVC PUMP HOUSING

Date: 4-5-07 of AEGL O&M Well Integrity Repairs
Technician: RANDY EVERETT
Description on noted issue(s): _____
Repair Summary:

<p>Complete within 2 days of initial discovery</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> Wellhead ports / fittings / connections repaired/replaced?</p> <p><input type="checkbox"/> Wellhead Kanaflex repaired or replaced?</p> <p><input type="checkbox"/> Reviewed 3-months monitoring data for O2 trends (attach copy)</p> <p><input type="checkbox"/> Well casing integrity checked with dummy?</p> <p><input type="checkbox"/> Wellhead valve replaced or repair?</p> <p><input type="checkbox"/> Miscellaneous repaired or replaced? - please describe</p> <p><input type="checkbox"/> Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"</p> <p><input checked="" type="checkbox"/> Review logs for original pipe lengths installed?</p> <p>Solid <u>55</u> ft. Perforation <u>118</u> ft. DTB _____ ft. DTF <u>16.0</u> ft.</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> Compliance achieved?</p> <p>_____ Date compliance achieved?</p> <p>_____ % O2 compliant reading</p> <p>Noted integrity issues: <u>HOPE PIPE HAS PVC PUMP HOUSING</u></p>
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PUMP RUNNING BUT WAS NOT FOR 2 DAYS

Date: 4/9/07 of AEGL Pump Repairs
Technician: CHINA LO
Description on noted issue(s): REPAIRED PUMP RETURNED TO OPERATION
Repair Summary:

<p>Initiate within 3 days of discovery</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input checked="" type="checkbox"/> Well pump repairs completed?</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> Compliance achieved?</p> <p>_____ Date compliance achieved?</p> <p>_____ % O2 compliant reading</p> <p>Noted integrity issues: _____</p>
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Date: _____ of AEGL Field Repairs
Technician: _____
Description on noted issue(s): _____
Repair Summary:

<p>Initiate within 3 days of discovery</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> Lateral or header piping adjustment or repair?</p> <p><input type="checkbox"/> Well boot liner repair? "additional placement of membrane, repair of gas extraction boot"</p> <p><input type="checkbox"/> Well bore seal repairs?(earthwork/bentonite seal) "placement of low permeability soils"</p> <p><input type="checkbox"/> Well casing investigation performed? (camera)</p> <p><input type="checkbox"/> Well casing repairs performed?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> Compliance achieved?</p> <p>_____ Date compliance achieved?</p> <p>_____ % O2 compliant reading</p> <p>Noted issues: _____</p>
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Date: _____ compliance of < 1.5% achieved within _____ days

Date: 4/13/07 compliance not achieved - proposed alternate timeline and/or operating value AS PUMP DEWATERS WILL REMONITOR FOR COMPLIANCE W/ MORE EXPOSED PERFORATIONS EXPECT COMPLIANCE



PRIORITY RESPONSE TO > 1.5% O2 LFG WELL READING

Well Identification: L001

Date: 4-3-07 **Time:** 901 of initial discovery of > 1.5% oxygen
Technician: JOSH NEPSA 12.9 % O2 non-compliant reading

Possible issue(s): _____

Initial Discovery

Yes No N/A
 Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"

Date: 4-3-07 of AEGL O&M Well Integrity Assessment (below)
Technician: RANDY EVERETT

Complete within 1 day of initial discovery

Yes	No	N/A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is well labeled?	Yes	No	N/A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is well lateral / header in good condition?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is well head remote?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is lateral or header line surging?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Is well hard piped?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is the well surging?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Are all sample ports in good condition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Lateral or Header Piping
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Are all flanges in good condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Is well boot (liner) in good condition?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Are all other connections in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is well bore (soil) in good condition?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is well valve in good condition?	Yes	No	N/A	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Compliance achieved?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is the well kanaflex in good condition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____ Date compliance achieved?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is there a pump in the well?				_____ % O2 compliant reading
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Does pump require service?				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is well casing in good condition?				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Miscellaneous - please describe				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"				

Date: 4-3-07 of AEGL O&M Well Integrity Repairs
Technician: RANDY EVERETT

Description on noted issue(s): _____

Repair Summary:

Complete within 2 days of initial discovery

Yes	No	N/A	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Wellhead ports / fittings / connections repaired/replaced?	Yes No N/A <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Compliance achieved? _____ Date compliance achieved? _____ % O2 compliant reading
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Wellhead Kanaflex repaired or replaced?	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Reviewed 3-months monitoring data for O2 trends (attach copy)	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Well casing integrity checked with dummy?	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Wellhead valve replaced or repair?	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Miscellaneous repaired or replaced? - please describe	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Review logs for original pipe lengths installed?	

Solid 25 ft.
 Perforation 43 ft.
 DTB 16.0 ft.
 DTF _____ ft.

16.0' HAND BOTTOM

Noted integrity issues: _____

Date: _____ of AEGL Pump Repairs
Technician: _____

Description on noted issue(s): _____

Repair Summary:

Initiate within 3 days of discovery

Yes	No	N/A	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Well pump repairs completed?	Yes No N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Compliance achieved? _____ Date compliance achieved? _____ % O2 compliant reading
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Noted integrity issues: _____

Date: _____ of AEGL Field Repairs
Technician: _____

Description on noted issue(s): _____

Repair Summary:

Initiate within 3 days of discovery

Yes	No	N/A	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Lateral or header piping adjustment or repair?	Yes No N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Compliance achieved? _____ Date compliance achieved? _____ % O2 compliant reading
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Well boot liner repair? "additional placement of membrane, repair of gas extraction boot"	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Well bore seal repairs?(earthwork/bentonite seal) "placement of low permeability soils"	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Well casing investigation performed? (camera)	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Well casing repairs performed?	

Noted issues: _____

Date: _____ compliance of < 1.5% achieved within _____ days

Date: 4/13/07 compliance not achieved - proposed alternate timeline and/or operating value **WELL COMPROMISED**



PRIORITY RESPONSE TO > 1.5% O2 LFG WELL READING

Well Identification: PW106
Date: 4-4-07
Time: 1049 of initial discovery of > 1.5% oxygen
Technician: JOSH NEINA
Possible issue(s): WATER 21.9 % O2 non-compliant reading

Yes No N/A
 Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"

Date: 4-4-07 of AEGL O&M Well Integrity Assessment (below)
Technician: JOSH NEINA

<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input checked="" type="checkbox"/> Is well labeled?</p> <p><input checked="" type="checkbox"/> Is well head remote?</p> <p><input checked="" type="checkbox"/> Is well hard piped?</p> <p><input checked="" type="checkbox"/> Are all sample ports in good condition?</p> <p><input checked="" type="checkbox"/> Are all flanges in good condition?</p> <p><input type="checkbox"/> Are all other connections in good condition?</p> <p><input checked="" type="checkbox"/> Is well valve in good condition?</p> <p><input type="checkbox"/> Is the well kanaflex in good condition?</p> <p><input checked="" type="checkbox"/> Is there a pump in the well?</p> <p><input checked="" type="checkbox"/> Does pump require service?</p> <p><input checked="" type="checkbox"/> Is well casing in good condition?</p> <p><input type="checkbox"/> Miscellaneous - please describe</p> <p><input checked="" type="checkbox"/> Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input checked="" type="checkbox"/> Is well lateral / header in good condition?</p> <p><input type="checkbox"/> Is lateral or header line surging?</p> <p><input type="checkbox"/> Is the well surging?</p> <p><input type="checkbox"/> Lateral or Header Piping</p> <p><input checked="" type="checkbox"/> Is well boot (liner) in good condition?</p> <p><input checked="" type="checkbox"/> Is well bore (soil) in good condition?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> Compliance achieved?</p> <p>_____ Date compliance achieved?</p> <p>_____ % O2 compliant reading</p>
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Date: 4-5-07 of AEGL O&M Well Integrity Repairs
Technician: MARK ADILELLA
Description on noted issue(s):
Repair Summary:

<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> Wellhead ports / fittings / connections repaired/replaced?</p> <p><input type="checkbox"/> Wellhead Kanaflex repaired or replaced?</p> <p><input checked="" type="checkbox"/> Reviewed 3-months monitoring data for O2 trends (attach copy)</p> <p><input type="checkbox"/> Well casing integrity checked with dummy?</p> <p><input checked="" type="checkbox"/> Wellhead valve replaced or repair?</p> <p><input type="checkbox"/> Miscellaneous repaired or replaced? - please describe</p> <p><input type="checkbox"/> Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"</p> <p><input type="checkbox"/> Review logs for original pipe lengths installed?</p>	<p><input type="checkbox"/> Solid 20 ft.</p> <p><input type="checkbox"/> Perforation 30 ft.</p> <p><input type="checkbox"/> DTB 18 ft.</p> <p><input type="checkbox"/> DTF 5 ft.</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> Compliance achieved?</p> <p>_____ Date compliance achieved?</p> <p>_____ % O2 compliant reading</p>
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Noted integrity issues: **WAZZING FOR PUMP PARTS**

ADDED 4 BOLTS TO BLIND FLANGE AND TIGHTENED

Date: _____ of AEGL Pump Repairs
Technician: _____
Description on noted issue(s): _____
Repair Summary: _____

Yes No N/A
 Well pump repairs completed?

Yes No N/A
 Compliance achieved?
 _____ Date compliance achieved?
 _____ % O2 compliant reading

Noted integrity issues: _____

Date: _____ of AEGL Field Repairs
Technician: _____
Description on noted issue(s): _____
Repair Summary: _____

<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> Lateral or header piping adjustment or repair?</p> <p><input type="checkbox"/> Well boot liner repair? "additional placement of membrane, repair of gas extraction boot"</p> <p><input type="checkbox"/> Well bore seal repairs?(earthwork/bentonite seal) "placement of low permeability soils"</p> <p><input type="checkbox"/> Well casing investigation performed? (camera)</p> <p><input type="checkbox"/> Well casing repairs performed?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> Compliance achieved?</p> <p>_____ Date compliance achieved?</p> <p>_____ % O2 compliant reading</p>
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Noted issues: _____

Date: _____ compliance of < 1.5% achieved within _____ days

Date: 4/13/07 compliance not achieved - proposed alternate timeline and/or operating value **WELL CASING COMPROMISED**

PRIORITY RESPONSE TO > 1.5% O2 LFG WELL READING

Well Identification: PW109
Date: 4-5-07 **Time:** 9:52 of initial discovery of > 1.5% oxygen
Technician: JOSH NEPSA 8.7 % O2 non-compliant reading
Possible issue(s): _____
 Yes No N/A
 Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"

Date: 4-5-07 of AEGL O&M Well Integrity Assessment (below)
Technician: TOM DILLIPS
 Yes No N/A
 Is well labeled?
 Is well head remote?
 Is well hard piped?
 Are all sample ports in good condition?
 Are all flanges in good condition?
 Are all other connections in good condition?
 Is well valve in good condition?
 Is the well kanaflex in good condition?
 Is there a pump in the well?
 Does pump require service?
 Is well casing in good condition?
 Miscellaneous - please describe
 Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"
 Yes No N/A
 Is well lateral / header in good condition?
 Is lateral or header line surging?
 Is the well surging?
 Lateral or Header Piping
 Is well boot (liner) in good condition?
 Is well bore (soil) in good condition?
 Yes No N/A
 Compliance achieved?
 _____ Date compliance achieved?
 _____ % O2 compliant reading

Date: 4-10-07 of AEGL O&M Well Integrity Repairs
Technician: JOSH NEPSA
Description on noted issue(s): _____
Repair Summary:
 Yes No N/A
 Wellhead ports / fittings / connections repaired/replaced?
 Wellhead Kanaflex repaired or replaced?
 Reviewed 3-months monitoring data for O2 trends (attach copy)
 Well casing integrity checked with dummy?
 Wellhead valve replaced or repair?
 Miscellaneous repaired or replaced? - please describe
 Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"
 Review logs for original pipe lengths installed?
 Solid 80 ft.
 Perforation 19 ft.
 DTB 37 ft.
 DTF _____ ft.
 Yes No N/A
 Compliance achieved?
 _____ Date compliance achieved?
 _____ % O2 compliant reading
 Noted integrity issues: POSSIBLE LINER BOOT NEEDED

Date: _____ of AEGL Pump Repairs
Technician: _____
Description on noted issue(s): _____
Repair Summary:
 Yes No N/A
 Well pump repairs completed?
 Yes No N/A
 Compliance achieved?
 _____ Date compliance achieved?
 _____ % O2 compliant reading
 Noted integrity issues: _____

Date: _____ of AEGL Field Repairs
Technician: _____
Description on noted issue(s): _____
Repair Summary:
 Yes No N/A
 Lateral or header piping adjustment or repair?
 Well boot liner repair? "additional placement of membrane, repair of gas extraction boot"
 Well bore seal repairs?(earthwork/bentonite seal) "placement of low permeability soils" POSSIBLE
 Well casing investigation performed? (camera)
 Well casing repairs performed?
 Yes No N/A
 Compliance achieved?
 _____ Date compliance achieved?
 _____ % O2 compliant reading
 Noted issues: _____

Date: _____ compliance of < 1.5% achieved within _____ days
 Date: 4/13/07 compliance not achieved - proposed alternate timeline and/or operating value NEED ADDITIONAL TIME FOR TUNING - POSSIBLE COVER INTEGRITY ISSUES TO BE ADDRESSED



PRIORITY RESPONSE TO > 1.5% O2 LFG WELL READING

Well Identification: PW146

Date: 4-3-07 **Time:** 1334 of initial discovery of > 1.5% oxygen

Technician: JOSH NEPSA 4.6 % O2 non-compliant reading

Possible issue(s): _____

Initial Discovery

Yes No N/A Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"

Date: 4-3-07 of AEGL O&M Well Integrity Assessment (below)

Technician: JOSH NEPSA

Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Is well labeled?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Is well lateral / header in good condition?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is well head remote?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is lateral or header line surging?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is well hard piped?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is the well surging?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are all sample ports in good condition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lateral or Header Piping
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Are all flanges in good condition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is well boot (liner) in good condition?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Are all other connections in good condition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is well bore (soil) in good condition?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is well valve in good condition?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	Compliance achieved?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the well kanaflex in good condition?				Date compliance achieved?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is there a pump in the well?				% O2 compliant reading
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does pump require service?				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is well casing in good condition?				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Miscellaneous - please describe				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"				

Date: 4-10-07 of AEGL O&M Well Integrity Repairs

Technician: JOSH NEPSA

Description on noted issue(s): _____

Repair Summary:

Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Wellhead ports / fittings / connections repaired/replaced?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	Compliance achieved?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wellhead Kanaflex repaired or replaced?				Date compliance achieved?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reviewed 3-months monitoring data for O2 trends (attach copy)				% O2 compliant reading
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Well casing integrity checked with dummy?				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wellhead valve replaced or repair?				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Miscellaneous repaired or replaced? - please describe				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Review logs for original pipe lengths installed?				

Solid _____ ft.
Perforation _____ ft.
DTB _____ ft.
DTF 19.7 ft.

NO OPEN PERFORATIONS

Noted integrity issues: LINER BOOT HAS RIPPED AND NEEDS REPAIR

Date: 4/11/07 of AEGL Pump Repairs

Technician: CHUNG LO

Description on noted issue(s): _____

Repair Summary:

<input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Well pump repairs completed?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	Compliance achieved?
			WILL CONTINUE TO MONITOR WATER LEVELS				Date compliance achieved?
							% O2 compliant reading

Noted integrity issues: _____

Date: _____ of AEGL Field Repairs

Technician: _____

Description on noted issue(s): _____

Repair Summary:

<input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Lateral or header piping adjustment or repair?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Compliance achieved?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Well boot liner repair? "additional placement of membrane, repair of gas extraction boot"				Date compliance achieved?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Well bore seal repairs?(earthwork/bentonite seal) "placement of low permeability soils"				% O2 compliant reading
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Well casing investigation performed? (camera)				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Well casing repairs performed?				

Noted issues: _____

Date: _____ compliance of < 1.5% achieved within _____ days

Date: 4/13/07 compliance not achieved - proposed alternate timeline and/or operating value

WILL CONTINUE TO CHECK WATER LEVELS W/ OPERATING PUMP EXPECT COMPLIANT READING WITH MORE EXPECTED PERFORATIONS

PRIORITY RESPONSE TO > 1.5% O2 LFG WELL READING

Well Identification: DW 156

Date: 4-3-07 **Time:** 1341 of initial discovery of > 1.5% oxygen

Technician: JOSH NEUSA 5.2 % O2 non-compliant reading

Possible issue(s): _____

Initial Discovery

Yes No N/A

Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"

Date: 4-3-07 of AEGL O&M Well Integrity Assessment (below)

Technician: JOSH NEUSA

Complete within 1-day of initial discovery

Yes No N/A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is well labeled?	Yes No N/A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is well lateral / header in good condition?
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is well head remote?	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is lateral or header line surging?
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is well hard piped?	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is the well surging?
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Are all sample ports in good condition?	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Lateral or Header Piping
<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Are all flanges in good condition?	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Is well boot (liner) in good condition?
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Are all other connections in good condition?	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is well bore (soil) in good condition?
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is well valve in good condition?	Yes No N/A	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Compliance achieved?
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is the well kanaflex in good condition?		_____ Date compliance achieved?
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is there a pump in the well?		_____ % O2 compliant reading
<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Does pump require service?		
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is well casing in good condition?		
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Miscellaneous - please describe		
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"		

Date: 4-10-07 of AEGL O&M Well Integrity Repairs

Technician: JOSH NEUSA

Description on noted issue(s): _____

Repair Summary:

Complete within 3 days of initial discovery

Yes No N/A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wellhead ports / fittings / connections repaired/replaced?	* DOWNHOLE GAS SAMPLE @ APPROXIMATELY 30' - NON COMPLIANT READING 250# BAGS OF BENTONITE ADDED
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Wellhead Kanaflex repaired or replaced?	
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Reviewed 3-months monitoring data for O2 trends (attach copy)	
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Well casing integrity checked with dummy?	
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Wellhead valve replaced or repair?	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Miscellaneous repaired or replaced? - please describe	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"	

Solid 230 ft.
 Perforation 129.0 ft.
 DTB 104.5 ft.
 DTF 10.5 ft.

Noted integrity issues: _____

Yes No N/A

Compliance achieved?

_____ Date compliance achieved?

_____ % O2 compliant reading

Date: _____ of AEGL Pump Repairs

Technician: _____

Description on noted issue(s): _____

Repair Summary:

Initial Discovery

Yes No N/A

Well pump repairs completed?

Noted integrity issues: _____

Yes No N/A

Compliance achieved?

_____ Date compliance achieved?

_____ % O2 compliant reading

Date: _____ of AEGL Field Repairs

Technician: _____

Description on noted issue(s): _____

Repair Summary:

Initial Discovery

Yes No N/A	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Lateral or header piping adjustment or repair?	YES - SEE ABOVE
<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Well boot liner repair? "additional placement of membrane, repair of gas extraction boot"	
<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Well bore seal repairs?(earthwork/bentonite seal) "placement of low permeability soils"	
<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Well casing investigation performed? (camera)	
<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Well casing repairs performed?	

Noted issues: _____

Yes No N/A

Compliance achieved?

_____ Date compliance achieved?

_____ % O2 compliant reading

Date: _____ compliance of < 1.5% achieved within _____ days

Date: 4/13/07 compliance not achieved - proposed alternate timeline and/or operating value

* WILL RECHECK DOWN WELL GAS READING



PRIORITY RESPONSE TO > 1.5% O2 LFG WELL READING

Well Identification: PW146

Date: 4-4-07 **Time:** 1429 of initial discovery of > 1.5% oxygen

Technician: Josh NEPSA 13.1 % O2 non-compliant reading

Possible issue(s): _____

Yes No N/A
 Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"

Date: 4-1-07 of AEGL O&M Well Integrity Assessment (below)

Technician: Randy EVERETT

Yes No N/A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is well labeled?	Yes No N/A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is well lateral / header in good condition?
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is well head remote?	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is lateral or header line surging?
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is well hard piped?	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is the well surging?
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Are all sample ports in good condition?	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Lateral or Header Piping
<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Are all flanges in good condition?	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Is well boot (liner) in good condition?
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Are all other connections in good condition?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is well bore (soil) in good condition?
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is well valve in good condition?	Yes No N/A	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Compliance achieved?
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is the well Kanaflex in good condition?		_____ Date compliance achieved?
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is there a pump in the well?		_____ % O2 compliant reading
<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Does pump require service?		
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is well casing in good condition?		
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Miscellaneous - please describe		
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"		

Date: 4-11-07 of AEGL O&M Well Integrity Repairs

Technician: Josh NEPSA

Description on noted issue(s): _____

Repair Summary:

Yes No N/A

Wellhead ports / fittings / connections repaired/replaced?

Wellhead Kanaflex repaired or replaced?

Reviewed 3-months monitoring data for O2 trends (attach copy)

Well casing integrity checked with dummy?

Wellhead valve replaced or repair?

Miscellaneous repaired or replaced? - please describe

Nominal vacuum adjustments "appropriate and reasonable reductions in vacuum"

Review logs for original pipe lengths installed?

Solid 23 ft.
 Perforation 93 ft.
 DTB 114.3 ft.
 DTF 69.0 ft.

Yes No N/A
 Compliance achieved?
 _____ Date compliance achieved?
 _____ % O2 compliant reading

Noted integrity issues ONLY 26' AVIABLE REPAIRS

POSSIBLY NEEDS PUMP

Date: _____ of AEGL Pump Repairs

Technician: _____

Description on noted issue(s): _____

Repair Summary:

Yes No N/A
 Well pump repairs completed?

Yes No N/A
 Compliance achieved?
 _____ Date compliance achieved?
 _____ % O2 compliant reading

Noted integrity issues _____

Date: _____ of AEGL Field Repairs

Technician: _____

Description on noted issue(s): _____

Repair Summary:

Yes No N/A

Lateral or header piping adjustment or repair?

Well boot liner repair? "additional placement of membrane, repair of gas extraction boot"

Well bore seal repairs?(earthwork/bentonite seal) "placement of low permeability soils"

Well casing investigation performed? (camera)

Well casing repairs performed?

Yes No N/A
 Compliance achieved?
 _____ Date compliance achieved?
 _____ % O2 compliant reading

Noted issues _____

Date: _____ compliance of < 1.5% achieved within _____ days

Date: _____ compliance not achieved - proposed alternate timeline and/or operating value

Attachment B
Chronological Oxygen Content Readings

Attachment B
Chronological Oxygen Content Readings

GEM ID	As-built ID	Date Time	O2 %
CNTY121R	PW-121R	4/2/2007 14:40	7.4
CNTY121R	PW-121R	4/2/2007 14:41	5.6
CNTY121R	PW-121R	4/5/2007 12:21	13.6
CNTY121R	PW-121R	4/5/2007 12:38	3.7
CNTY121R	PW-121R	4/9/2007 13:46	9
CNTY121R	PW-121R	4/9/2007 13:51	8.9
CNTY121R	PW-121R	4/11/2007 14:17	5.9
CNTY121R	PW-121R	4/11/2007 14:18	5.8
CNTYC001	C-1	4/3/2007 9:01	12.9
CNTYC001	C-1	4/3/2007 9:11	7.4
CNTYC001	C-1	4/13/2007 11:16	19.9
CNTYC001	C-1	4/13/2007 11:24	20.9
CTYPW106	PW-106	4/4/2007 10:49	21.9
CTYPW106	PW-106	4/4/2007 10:51	21.7
CTYPW106	PW-106	4/5/2007 10:45	21.7
CTYPW106	PW-106	4/6/2007 11:33	21.3
CTYPW106	PW-106	4/12/2007 12:24	12.4
CTYPW106	PW-106	4/12/2007 12:26	6.9
CTYPW109	PW-109	4/5/2007 9:52	8.7
CTYPW109	PW-109	4/5/2007 9:55	8
CTYPW109	PW-109	4/5/2007 9:57	5.7
CTYPW109	PW-109	4/10/2007 10:56	8.2
CTYPW109	PW-109	4/10/2007 11:04	4
CTYPW109	PW-109	4/11/2007 11:19	6.6
CTYPW109	PW-109	4/11/2007 11:22	6.6
CTYPW146	PW-146	4/3/2007 13:34	4.6
CTYPW146	PW-146	4/3/2007 13:36	5.1
CTYPW146	PW-146	4/5/2007 11:49	9.3
CTYPW146	PW-146	4/10/2007 17:28	4.7
CTYPW156	PW-156	4/3/2007 13:41	5.2
CTYPW156	PW-156	4/3/2007 13:44	5.3
CTYPW156	PW-156	4/5/2007 11:38	8
CTYPW156	PW-156	4/6/2007 12:18	8.1
CTYPW156	PW-156	4/10/2007 16:08	4.4
CTYPW156	PW-156	4/10/2007 17:06	5.7
CTYPW156	PW-156	4/10/2007 17:09	6.2
CTYPW166	PW-166	4/5/2007 9:18	10.9
CTYPW166	PW-166	4/5/2007 9:38	8.2
CTYPW166	PW-166	4/4/2007 14:29	13.1
CTYPW166	PW-166	4/4/2007 14:37	13.1
CTYPW166	PW-166	4/11/2007 9:24	8
CTYPW166	PW-166	4/11/2007 9:27	7.8