

Taylor, Dianna

From: McWilliams, Clark
Sent: Tuesday, September 29, 2015 11:46 AM
To: Taylor, Dianna
Cc: Leamons, Bryan; Sadler, Bill
Subject: NABORS: GW and Gas Monitoring Reports

AFIN: 03-00051

PMT#: 0249-S1-R2

RECEIVED

By Dianna Taylor at 9:52 am, Sep 30, 2015

DOC ID#: 68231

TO: BS>File

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AFIN: 03-00051

Permit: 0249-S1-R2 and 0249-S4

[E:\Facilities\AFIN-01 to 25\03-00051 Nabors Landfill\CLOSURE 2014\NABORS 2Q 2015 Gas Monitoring Report.pdf](#)
[E:\Facilities\AFIN-01 to 25\03-00051 Nabors Landfill\CLOSURE 2014\Second Quarter 2015 GW Report-Nabors 8-2015.pdf](#)

Thanks,
Clark McWilliams P.E. 501-682-0510
ADEQ – Solid Waste Management Division
9/29/15

SCS AQUATERRA

August 22, 2015
Project No. 27214218.01

Mr. Bill Sadler, P.G.
ADEQ – Solid Waste Management Division
5301 Northshore Drive
North Little Rock, Arkansas 72118

Subject: **NABORS Landfill**
Second Quarter Monitoring Report

Mr. Sadler,

In accordance with Contract Number 4600033394, SCS Aquaterra is submitting the Second Quarter Gas Monitoring Report summarizing monitoring activities performed on June 10, 2015 at the NABORS Landfill.

If you have questions or comments regarding these reports, please do not hesitate to contact us at (913) 681-0030.

Sincerely,



Dillon Baird, P.E.
Project Engineer
SCS AQUATERRA



Floyd Cotter, P.E.
Project Manager
SCS AQUATERRA

Enclosure: Second Quarter 2015 Gas Monitoring Report





June 19, 2015

Mr. Bill Sadler, P.G.
Solid Waste Division
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

Re: **Second Quarter 2015 Explosive Gas Monitoring**
NABORS - Class I Landfill
AFIN: 03-0051 Permit No. 0249-S1-R2, 0249-S4

Dear Mr. Sadler:

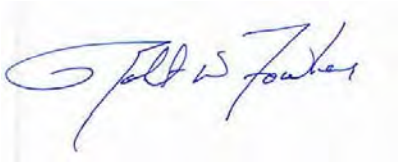
Chimney Rock Consulting (CRC) is pleased to present you with the results of the Second Quarter 2015 Explosive Gas Monitoring at the NABORS – Class I Landfill (Landfill). The Second Quarter Explosive Gas Monitoring Event was conducted on June 10, 2015 and consisted of monitoring the site perimeter Explosive Gas Monitoring probes GP-1 through GP-13, GP-14R, GP-15, GP-16R, GP-17, and GP-18R. In addition to these perimeter probes, the landfill office and scale house were monitored for Explosive Gas. It should be noted that GP-5, located on the southern boundary of the property, had methane readings above 100% LEL during the Second Quarter 2015 event.

Three (3) interior gas probes (GP-14, GP-16, and GP-18) which are not point of compliance probes were monitored for information purposes. Probe readings indicated methane was above 100% LEL at GP-14. High methane readings not exceeding 100% LEL were measured at GP-16 (90.5% LEL) and GP-18 (82% LEL).

As previously stated GP-14, GP-16, and GP-18 are interior gas probes and not point of compliance probes. GP-14R and GP-16R which are located along the property boundary to the north-northwest of GP-14 and GP-17 and GP-18R which is located along the property boundary to the west of GP-18 reported low levels of methane during the Second Quarter 2015 event.

The next required Quarterly Explosive Gas monitoring event for the Landfill is scheduled for September 2015. Please contact us if we can be of further service or if you have any questions concerning this report.

Sincerely,

A handwritten signature in blue ink, appearing to read "Robert Fowler".

Robert Fowler
Project Geologist

A handwritten signature in blue ink, appearing to read "Dan McCullough".

Dan McCullough
Senior Hydrogeologist/President

*Attachments: Second Quarter 2015 Gas Monitoring Form
Explosive Gas Probe Location Map*

NABORS Landfill

QUARTERLY GAS MONITORING FORM

EVENT: Second Quarter 2015 **DATE:** 6/10/2015

WEATHER CONDITIONS: Sunny, 5 mph wind, **TEMP:** 85°F
Pressure 29.84 in

SAMPLE POINT	TIME	% CH4	METHANE (%LEL)	% O2
GP-1	1057	0.0	0.0	20.3
GP-2	1105	0.1	0.5	19.8
GP-3	1108	0.1	0.5	19.5
GP-4	114	0.1	0.5	18.5
GP-5	1125	55.1	>100	1.9
GP-6	1130	0.3	1.5	9.4
GP-7	1209	0.5	2.5	15.5
GP-8	1230	0.4	2.0	13.5
GP-9	1221	0.3	1.5	20.1
GP-10	1415	0.5	2.5	20.3
GP-11	1318	0.4	2.0	16.0
GP-12	1430	0.3	1.5	13.5
GP-13	1333	7.1	35.5	0.4
GP-14	1444	36.3	>100	1.5
GP-15	1500	0.5	2.5	11.4
GP-16	1254	18.1	90.5	0.7
GP-17	1305	0.5	2.5	12.2
GP-18	1305	16.4	82	5.1
GP-14R	1339	0.5	2.5	13.7
GP-16R	1507	0.4	2.0	19.3
GP-18R	1520	0.3	1.5	4.3
Scale House	1350	0.4	2.0	19.9
Office	1236	0.3	1.5	20.4
Office 2 nd Room	1238	0.3	1.5	20.3
Office Closet	1240	0.3	1.5	20.6

Notes: GP-6 has risen up-lid.

