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**DEPARTMENT OF ENERGY**  
National Nuclear Security Administration  
Los Alamos Field Office  
Los Alamos, New Mexico 87544



FEB 18 2014

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

John Kieling, Bureau Chief  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, NM 87505-6303

RECEIVED

FEB 24 2014

NMED  
Hazardous Waste Bureau

Dear Mr. Kieling:

Subject: Formal Notification of Methane at 100 percent of the Lower Explosive Limit at Vent Risers along the North Edge of the Los Alamos Airport Landfill Cap for the Month of January 2014

The purpose of this letter is to provide formal notification to the New Mexico Environment Department-Hazardous Waste Bureau (NMED-HWB) of methane at 100 percent of the Lower Explosive Limit (LEL) at vent risers along the north edge of the Los Alamos Airport Landfill cap. Enclosed are the five monitoring Landfill Gas Monitoring Reports for the month of January 2014.

If you have comments or questions, please contact Ramoncita N. Massey of my staff at (505) 665-7771.

David S. Rhodes  
Federal Project Director  
Environmental Projects Office

Enclosures



cc w/enclosures:

Dave Cobrain

Hazardous Waste Bureau  
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2905 Rodeo Park Drive East, Building 1  
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T. Haagenstad, CAP, LANS, MS-M992  
Records Center, NA-LA  
Official Contract File, NA-LA

EPO-32RM-578-560663

LANDFILL GAS MONITORING FORM

Landfill Name: Airport Landfill, SWMU 73-001(a) at the Los Alamos County Airport

Inspector Printed Name: Jeff Walterscheid Inspector Signature: \_\_\_\_\_

Date: 1/28/14 Barometric Pressure: 30.40 Temperature: 36 F

Weather conditions: Fair Wind Direction: N Wind Speed: 4 mph

Date and amount of last precipitation (within last 48 hours): none

Instrument: MSA Altair 5X #1550 Calibration method and date: Pentane gas 1/14/14

**January Weekly Monitoring**

Sample Location	Height (ft)	Time	CH <sub>4</sub> % LEL	O <sub>2</sub> %	CO %
<b>Hangar Pads:</b> Samples will be collected on the east side of the pad along the expansion joint.* After a hangar is built, samples will be collected along the interior walls at 4 inches to 4 ft above pad.					
HP-01	2 inches above expansion joint*	1123	0	20.8	0
HP-02	2 inches above expansion joint*	1124	0	20.8	0
HP-03	2 inches above expansion joint*	1125	0	20.8	0
HP-04	2 inches above expansion joint*	1126	0	20.8	0
HP-05	2 inches above expansion joint*	1127	0	20.8	0
HP-06	2 inches above expansion joint*	1128	0	20.8	0
HP-07	2 inches above expansion joint*	1129	0	20.8	0
HP-08	2 inches above expansion joint*	1130	0	20.8	0
HP-09	2 inches above expansion joint*	1132	0	20.8	0
HP-10	2 inches above expansion joint*	1133	0	20.8	0
HP-11	2 inches above expansion joint*	1134	0	20.8	0
HP-12	2 inches above expansion joint*	1135	0	20.8	0
HP-13	2 inches above expansion joint*	1136	0	20.8	0
HP-14	2 inches above expansion joint*	1137	0	20.8	0
HP-15	2 inches above expansion joint*	1138	0	20.8	0

<b>Trench drains (west side of each hangar pad)</b>					
TD-01	4 inches below trench grate	1140	0	20.8	0
TD-02	4 inches below trench grate	1141	0	20.8	0
TD-03	4 inches below trench grate	1142	0	20.8	0
TD-04	4 inches below trench grate	1143	0	20.8	0
TD-05	4 inches below trench grate	1144	0	20.8	0
TD-06	4 inches below trench grate	1145	0	20.8	0
TD-07	4 inches below trench grate	1146	0	20.8	0
TD-08	4 inches below trench grate	1147	0	20.8	0
TD-09	4 inches below trench grate	1148	0	20.8	0
TD-10	4 inches below trench grate	1149	0	20.8	0
<b>Drainage culverts (drainage inlets on the buried storm sewer lines)</b>					
DC-01	4 inches below grate	1157	0	20.8	0
DC-02	4 inches below grate	1156	0	20.8	0
DC-03	4 inches below grate	1155	0	20.8	0
DC-04	4 inches below grate	1153	0	20.8	0
DC-05	4 inches below grate	1152	0	20.8	0
DC-06	4 inches below grate	1151	0	20.8	0
DC-07	4 inches below grate	1150	0	20.8	0
DC-08	4 inches below manhole lid	1220	0	20.8	0
<b>Northern perimeter (ground and spinner [wind turbine] locations)</b>					
PG-01	2 inches above ground surface	1159	0	20.8	0
PG-02	2 inches above ground surface	1200	0	20.8	0
PG-03	2 inches above ground surface	1201	0	20.8	0
PG-04	2 inches above ground surface	1202	0	20.8	0
PG-05	2 inches above ground surface	1203	0	20.8	0
PG-06	2 inches above ground surface	1204	0	20.8	0
PG-07	2 inches above ground surface	1205	0	20.8	0
PG-08	2 inches above ground surface	1206	0	20.8	0

PG-09	2 inches above ground surface	1208	0	20.8	0
PG-10	2 inches above ground surface	1209	0	20.8	0
PG-11	2 inches above ground surface	12010	0	20.8	0
PG-12	2 inches above ground surface	1211	0	20.8	0
PG-13	2 inches above ground surface	1213	0	20.8	0
PG-14	2 inches above ground surface	1214	0	20.8	0
PS-01	at spinner (4 ft above pavement)	1116	0	20.8	0
PS-02	at spinner (4 ft above pavement)	1117	100	19.8	0
PS-03	at spinner (4 ft above pavement)	1119	2	20.4	0
PS-04	at spinner (4 ft above pavement)	1118	0	20.8	0
PS-05	at spinner (4 ft above pavement)	1120	33	20.1	0
PS-06	at spinner (4 ft above pavement)	1121	0	20.8	0

Note:

Methane concentrations shall be measured in percent of the LEL. Other gases measured in %.

DC = Drainage Culvert (inlet)

HP = Hangar Pad

LEL = lower explosive limit

PG = Perimeter Ground

PS = Perimeter Spinner (wind turbine)

TD = Trench Drain

Methane = CH<sub>4</sub>

Oxygen = O<sub>2</sub>

Carbon dioxide = CO<sub>2</sub>

Comments:

Form modified from <http://www.nmenv.state.nm.us/swb/documents/ExampleMethaneFORM10-10-08.doc>.

**LANDFILL GAS MONITORING FORM**

Landfill Name: Airport Landfill, SWMU 73-001(a) at the Los Alamos County Airport

Inspector Printed Name: Jeff Walterscheid Inspector Signature: \_\_\_\_\_

Date: 1/24/14 Barometric Pressure: 30.45 Temperature: 31 F

Weather conditions: Fair Wind Direction: N Wind Speed: 5 mph

Date and amount of last precipitation (within last 48 hours): 1/2 inch snow 1/23/14

Instrument: MSA Altair 5X #1550 Calibration method and date: Pentane gas 1/14/14

**January Weekly Monitoring**

Sample Location	Height (ft)	Time	CH <sub>4</sub> % LEL	O <sub>2</sub> %	CO %
<b>Hangar Pads:</b> Samples will be collected on the east side of the pad along the expansion joint.* After a hangar is built, samples will be collected along the interior walls at 4 inches to 4 ft above pad.					
HP-01	2 inches above expansion joint*	1051	0	20.8	0
HP-02	2 inches above expansion joint*	1050	0	20.8	0
HP-03	2 inches above expansion joint*	1049	0	20.8	0
HP-04	2 inches above expansion joint*	1048	0	20.8	0
HP-05	2 inches above expansion joint*	1047	0	20.8	0
HP-06	2 inches above expansion joint*	1045	0	20.8	0
HP-07	2 inches above expansion joint*	1044	0	20.8	0
HP-08	2 inches above expansion joint*	1043	0	20.8	0
HP-09	2 inches above expansion joint*	1042	0	20.8	0
HP-10	2 inches above expansion joint*	1041	0	20.8	0
HP-11	2 inches above expansion joint*	1040	0	20.8	0
HP-12	2 inches above expansion joint*	1039	0	20.8	0
HP-13	2 inches above expansion joint*	1038	0	20.8	0
HP-14	2 inches above expansion joint*	1036	0	20.8	0
HP-15	2 inches above expansion joint*	1034	0	20.8	0

<b>Trench drains (west side of each hangar pad)</b>					
TD-01	4 inches below trench grate	snow/ice	-	-	-
TD-02	4 inches below trench grate	1020	0	20.8	0
TD-03	4 inches below trench grate	snow/ice	-	-	-
TD-04	4 inches below trench grate	1022	0	20.8	0
TD-05	4 inches below trench grate	snow/ice	-	-	-
TD-06	4 inches below trench grate	1025	0	20.8	0
TD-07	4 inches below trench grate	snow/ice	-	-	-
TD-08	4 inches below trench grate	1027	0	20.8	0
TD-09	4 inches below trench grate	snow/ice	-	-	-
TD-10	4 inches below trench grate	1029	0	20.8	0
<b>Drainage culverts (drainage inlets on the buried storm sewer lines)</b>					
DC-01	4 inches below grate	1016	0	20.8	0
DC-02	4 inches below grate	1015	0	20.8	0
DC-03	4 inches below grate	1014	0	20.8	0
DC-04	4 inches below grate	1013	0	20.8	0
DC-05	4 inches below grate	1012	0	20.8	0
DC-06	4 inches below grate	1010	0	20.8	0
DC-07	4 inches below grate	1009	0	20.8	0
DC-08	4 inches below manhole lid	1045	0	20.8	0
<b>Northern perimeter (ground and spinner [wind turbine] locations)</b>					
PG-01	2 inches above ground surface	snow/ice	-	-	-
PG-02	2 inches above ground surface	snow/ice	-	-	-
PG-03	2 inches above ground surface	snow/ice	-	-	-
PG-04	2 inches above ground surface	snow/ice	-	-	-
PG-05	2 inches above ground surface	snow/ice	-	-	-
PG-06	2 inches above ground surface	snow/ice	-	-	-
PG-07	2 inches above ground surface	snow/ice	-	-	-
PG-08	2 inches above ground surface	snow/ice	-	-	-

PG-09	2 inches above ground surface	snow/ice	-	-	-
PG-10	2 inches above ground surface	snow/ice	-	-	-
PG-11	2 inches above ground surface	snow/ice	-	-	-
PG-12	2 inches above ground surface	snow/ice	-	-	-
PG-13	2 inches above ground surface	snow/ice	-	-	-
PG-14	2 inches above ground surface	snow/ice	-	-	-
PS-01	at spinner (4 ft above pavement)	0946	0	20.8	0
PS-02	at spinner (4 ft above pavement)	0947	100	20.1	0
PS-03	at spinner (4 ft above pavement)	0948	100	19.9	0
PS-04	at spinner (4 ft above pavement)	0959	0	20.8	0
PS-05	at spinner (4 ft above pavement)	1000	10	20.8	0
PS-06	at spinner (4 ft above pavement)	1001	0	20.8	0

Note:

Methane concentrations shall be measured in percent of the LEL. Other gases measured in %.

DC = Drainage Culvert (inlet)

HP = Hangar Pad

LEL = lower explosive limit

PG = Perimeter Ground

PS = Perimeter Spinner (wind turbine)

TD = Trench Drain

Methane = CH<sub>4</sub>

Oxygen = O<sub>2</sub>

Carbon dioxide = CO<sub>2</sub>

Comments:

1. All Northern Perimeter sites are on frozen ground and were not monitored per the monitoring guidelines.
2. No photos were taken.

Form modified from <http://www.nmenv.state.nm.us/swb/documents/ExampleMethaneFORM10-10-08.doc>.

LANDFILL GAS MONITORING FORM

Landfill Name: Airport Landfill, SWMU 73-001(a) at the Los Alamos County Airport

Inspector Printed Name: Jeff Walterscheid Inspector Signature: \_\_\_\_\_

Date: 1/15/14 Barometric Pressure: 30.38 Temperature: 31 degrees F

Weather conditions: Fair Wind Direction: N Wind Speed: 6 mph

Date and amount of last precipitation (within last 48 hours): None

Instrument: MSA Altair 5X #1550 Calibration method and date: Pentane gas 1/14/14

**Weekly Monitoring**

Sample Location	Height (ft)	Time	CH <sub>4</sub> % LEL	O <sub>2</sub> %	CO %
<b>Hangar Pads:</b> Samples will be collected on the east side of the pad along the expansion joint.* After a hangar is built, samples will be collected along the interior walls at 4 inches to 4 ft above pad.					
HP-01	2 inches above expansion joint*	1040	0	20.8	0
HP-02	2 inches above expansion joint*	1038	0	20.8	0
HP-03	2 inches above expansion joint*	1037	0	20.8	0
HP-04	2 inches above expansion joint*	1036	0	20.8	0
HP-05	2 inches above expansion joint*	1035	0	20.8	0
HP-06	2 inches above expansion joint*	1-33	0	20.8	0
HP-07	2 inches above expansion joint*	1032	0	20.8	0
HP-08	2 inches above expansion joint*	1030	0	20.8	0
HP-09	2 inches above expansion joint*	1029	0	20.8	0
HP-10	2 inches above expansion joint*	1028	0	20.8	0
HP-11	2 inches above expansion joint*	1027	0	20.8	0
HP-12	2 inches above expansion joint*	1026	0	20.8	0
HP-13	2 inches above expansion joint*	1025	0	20.8	0
HP-14	2 inches above expansion joint*	1023	0	20.8	0
HP-15	2 inches above expansion joint*	1022	0	20.8	0

<b>Trench drains (west side of each hangar pad)</b>					
TD-01	4 inches below trench grate	1007	0	20.8	0
TD-02	4 inches below trench grate	1008	0	20.8	0
TD-03	4 inches below trench grate	1009	0	20.8	0
TD-04	4 inches below trench grate	1012	0	20.8	0
TD-05	4 inches below trench grate	1014	0	20.8	0
TD-06	4 inches below trench grate	1015	0	20.8	0
TD-07	4 inches below trench grate	1017	0	20.8	0
TD-08	4 inches below trench grate	1018	0	20.8	0
TD-09	4 inches below trench grate	1019	0	20.8	0
TD-10	4 inches below trench grate	1020	0	20.8	0
<b>Drainage culverts (drainage inlets on the buried storm sewer lines)</b>					
DC-01	4 inches below grate	1005	0	20.8	0
DC-02	4 inches below grate	1004	0	20.8	0
DC-03	4 inches below grate	1003	0	20.8	0
DC-04	4 inches below grate	1002	0	20.8	0
DC-05	4 inches below grate	1001	0	20.8	0
DC-06	4 inches below grate	1000	0	20.8	0
DC-07	4 inches below grate	0959	0	20.8	0
DC-08	4 inches below manhole lid	1054	0	20.8	0
<b>Northern perimeter (ground and spinner [wind turbine] locations)</b>					
PG-01	2 inches above ground surface	1042	0	20.8	0
PG-02	2 inches above ground surface	1043	0	20.8	0
PG-03	2 inches above ground surface	1044	0	20.8	0
PG-04	2 inches above ground surface	1045	0	20.8	0
PG-05	2 inches above ground surface	1046	0	20.8	0
PG-06	2 inches above ground surface	1047	0	20.8	0
PG-07	2 inches above ground surface	1048	0	20.8	0
PG-08	2 inches above ground surface	1049	0	20.8	0

PG-09	2 inches above ground surface	1050	0	20.8	0
PG-10	2 inches above ground surface	1108	0	20.8	0
PG-11	2 inches above ground surface	1107	0	20.8	0
PG-12	2 inches above ground surface	1051	0	20.8	0
PG-13	2 inches above ground surface	1105	0	20.8	0
PG-14	2 inches above ground surface	1052	0	20.8	0
PS-01	at spinner (4 ft above pavement)	0951	0	20.8	0
PS-02	at spinner (4 ft above pavement)	0952	0	20.8	0
PS-03	at spinner (4 ft above pavement)	0953	24	20.8	0
PS-04	at spinner (4 ft above pavement)	0955	0	20.8	0
PS-05	at spinner (4 ft above pavement)	0956	0	20.8	0
PS-06	at spinner (4 ft above pavement)	0957	0	20.8	0

Note:

Methane concentrations shall be measured in percent of the LEL. Other gases measured in %.

DC = Drainage Culvert (inlet)

HP = Hangar Pad

LEL = lower explosive limit

PG = Perimeter Ground

PS = Perimeter Spinner (wind turbine)

TD = Trench Drain

Methane = CH<sub>4</sub>

Oxygen = O<sub>2</sub>

Carbon dioxide = CO<sub>2</sub>

Comments:

1. All Northern Perimeter sites are on frozen ground and were not monitored per the monitoring guidelines.
2. No photos were taken.

Form modified from <http://www.nmenv.state.nm.us/swb/documents/ExampleMethaneFORM10-10-08.doc>.

LANDFILL GAS MONITORING FORM

Landfill Name: Airport Landfill, SWMU 73-001(a) at the Los Alamos County Airport

Inspector Printed Name: Jeff Walterscheid Inspector Signature: \_\_\_\_\_

Date: 1/6/14 Barometric Pressure: 30.30 Temperature: 25 degrees F

Weather conditions: Fair Wind Direction: NE Wind Speed: 2 mph

Date and amount of last precipitation (within last 48 hours): None

Instrument: MSA Altair 5X #1500 Calibration method and date: Pentane gas 12/18/13

**Weekly Monitoring**

Sample Location	Height (ft)	Time	CH <sub>4</sub> % LEL	O <sub>2</sub> %	CO %
<b>Hangar Pads:</b> Samples will be collected on the east side of the pad along the expansion joint.* After a hangar is built, samples will be collected along the interior walls at 4 inches to 4 ft above pad.					
HP-01	2 inches above expansion joint*	1337	0	20.8	0
HP-02	2 inches above expansion joint*	1338	0	20.8	0
HP-03	2 inches above expansion joint*	1339	0	20.8	0
HP-04	2 inches above expansion joint*	1342	0	20.8	0
HP-05	2 inches above expansion joint*	1343	0	20.8	0
HP-06	2 inches above expansion joint*	1344	0	20.8	0
HP-07	2 inches above expansion joint*	1347	0	20.8	0
HP-08	2 inches above expansion joint*	1348	0	20.8	0
HP-09	2 inches above expansion joint*	1349	0	20.8	0
HP-10	2 inches above expansion joint*	1353	0	20.8	0
HP-11	2 inches above expansion joint*	1354	0	20.8	0
HP-12	2 inches above expansion joint*	1355	0	20.8	0
HP-13	2 inches above expansion joint*	1359	0	20.8	0
HP-14	2 inches above expansion joint*	1400	0	20.8	0
HP-15	2 inches above expansion joint*	1402	0	20.8	0

<b>Trench drains (west side of each hangar pad)</b>					
TD-01	4 inches below trench grate	1335	0	20.8	0
TD-02	4 inches below trench grate	1336	0	20.8	0
TD-03	4 inches below trench grate	1340	0	20.8	0
TD-04	4 inches below trench grate	1341	0	20.8	0
TD-05	4 inches below trench grate	1345	0	20.8	0
TD-06	4 inches below trench grate	1346	0	20.8	0
TD-07	4 inches below trench grate	1350	0	20.8	0
TD-08	4 inches below trench grate	1352	0	20.8	0
TD-09	4 inches below trench grate	1356	0	20.8	0
TD-10	4 inches below trench grate	1358	0	20.8	0
<b>Drainage culverts (drainage inlets on the buried storm sewer lines)</b>					
DC-01	4 inches below grate	1334	0	20.8	0
DC-02	4 inches below grate	1333	4	20.8	0
DC-03	4 inches below grate	1332	0	20.8	0
DC-04	4 inches below grate	1331	0	20.8	0
DC-05	4 inches below grate	1330	0	20.8	0
DC-06	4 inches below grate	1329	7	20.8	0
DC-07	4 inches below grate	1328	0	20.8	0
DC-08	4 inches below manhole lid	1410	0	20.8	0
<b>Northern perimeter (ground and spinner [wind turbine] locations)</b>					
PG-01	2 inches above ground surface	Frozen	-	-	-
PG-02	2 inches above ground surface	Frozen	-	-	-
PG-03	2 inches above ground surface	Frozen	-	-	-
PG-04	2 inches above ground surface	Frozen	-	-	-
PG-05	2 inches above ground surface	Frozen	-	-	-
PG-06	2 inches above ground surface	Frozen	-	-	-
PG-07	2 inches above ground surface	Frozen	-	-	-
PG-08	2 inches above ground surface	Frozen	-	-	-

PG-09	2 inches above ground surface	Frozen	-	-	-
PG-10	2 inches above ground surface	Frozen	-	-	-
PG-11	2 inches above ground surface	Frozen	-	-	-
PG-12	2 inches above ground surface	Frozen	-	-	-
PG-13	2 inches above ground surface	Frozen	-	-	-
PG-14	2 inches above ground surface	Frozen	-	-	-
PS-01	at spinner (4 ft above pavement)	1320	0	20.8	0
PS-02	at spinner (4 ft above pavement)	1321	100	13.8	0
PS-03	at spinner (4 ft above pavement)	1323	100	18.3	0
PS-04	at spinner (4 ft above pavement)	1325	0	20.8	0
PS-05	at spinner (4 ft above pavement)	1326	81	19.7	0
PS-06	at spinner (4 ft above pavement)	1327	7	20.8	0

Note:

Methane concentrations shall be measured in percent of the LEL. Other gases measured in %.

DC = Drainage Culvert (inlet)

HP = Hangar Pad

LEL = lower explosive limit

PG = Perimeter Ground

PS = Perimeter Spinner (wind turbine)

TD = Trench Drain

Methane = CH<sub>4</sub>

Oxygen = O<sub>2</sub>

Carbon dioxide = CO<sub>2</sub>

Comments:

1. All Northern Perimeter sites are on frozen ground and were not monitored per the monitoring guidelines.
2. No photos were taken.

Form modified from <http://www.nmenv.state.nm.us/swb/documents/ExampleMethaneFORM10-10-08.doc>.

## LANDFILL GAS MONITORING FORM

Landfill Name: Airport Landfill, SWMU 73-001(a) at the Los Alamos County Airport

Inspector Printed Name: Jeff Walterscheid Inspector Signature: \_\_\_\_\_

Date: 1/2/14 Barometric Pressure: 30.36 Temperature: 28 degrees F

Weather conditions: Fair Wind Direction: NW Wind Speed: 6 mph

Date and amount of last precipitation (within last 48 hours): 12/22/13 0.5 inches of snow

Instrument: MSA Altair 5X #1500 Calibration method and date: Pentane gas 12/18/13

### Weekly Monitoring

Sample Location	Height (ft)	Time	CH <sub>4</sub> % LEL	O <sub>2</sub> %	CO %
<b>Hangar Pads:</b> Samples will be collected on the east side of the pad along the expansion joint.* After a hangar is built, samples will be collected along the interior walls at 4 inches to 4 ft above pad.					
HP-01	2 inches above expansion joint*	1048	0	20.8	0
HP-02	2 inches above expansion joint*	1049	0	20.8	0
HP-03	2 inches above expansion joint*	1050	0	20.8	0
HP-04	2 inches above expansion joint*	1052	0	20.8	0
HP-05	2 inches above expansion joint*	1053	0	20.8	0
HP-06	2 inches above expansion joint*	1054	0	20.8	0
HP-07	2 inches above expansion joint*	1055	0	20.8	0
HP-08	2 inches above expansion joint*	1056	0	20.8	0
HP-09	2 inches above expansion joint*	1058	0	20.8	0
HP-10	2 inches above expansion joint*	1059	0	20.8	0
HP-11	2 inches above expansion joint*	1100	0	20.8	0
HP-12	2 inches above expansion joint*	1101	0	20.8	0
HP-13	2 inches above expansion joint*	1102	0	20.8	0
HP-14	2 inches above expansion joint*	1103	0	20.8	0
HP-15	2 inches above expansion joint*	1104	0	20.8	0

<b>Trench drains (west side of each hangar pad)</b>					
TD-01	4 inches below trench grate	1035	0	20.8	0
TD-02	4 inches below trench grate	1036	0	20.8	0
TD-03	4 inches below trench grate	1037	0	20.8	0
TD-04	4 inches below trench grate	1038	0	20.8	0
TD-05	4 inches below trench grate	Ice	-	-	-
TD-06	4 inches below trench grate	1040	0	20.8	0
TD-07	4 inches below trench grate	Ice	-	-	-
TD-08	4 inches below trench grate	1042	0	20.8	0
TD-09	4 inches below trench grate	1044	0	20.8	0
TD-10	4 inches below trench grate	1045	0	20.8	0
<b>Drainage culverts (drainage inlets on the buried storm sewer lines)</b>					
DC-01	4 inches below grate	1033	0	20.8	0
DC-02	4 inches below grate	1032	0	20.8	0
DC-03	4 inches below grate	1031	0	20.8	0
DC-04	4 inches below grate	1030	0	20.8	0
DC-05	4 inches below grate	1029	0	20.8	0
DC-06	4 inches below grate	1028	0	20.8	0
DC-07	4 inches below grate	1027	0	20.8	0
DC-08	4 inches below manhole lid	1107	0	20.8	0
<b>Northern perimeter (ground and spinner [wind turbine] locations)</b>					
PG-01	2 inches above ground surface	1122	0	20.8	0
PG-02	2 inches above ground surface	1121	0	20.8	0
PG-03	2 inches above ground surface	1120	0	20.8	0
PG-04	2 inches above ground surface	1119	0	20.8	0
PG-05	2 inches above ground surface	1118	0	20.8	0
PG-06	2 inches above ground surface	1112	0	20.8	0
PG-07	2 inches above ground surface	1111	0	20.8	0
PG-08	2 inches above ground surface	1110	0	20.8	0

PG-09	2 inches above ground surface	1109	0	20.8	0
PG-10	2 inches above ground surface	1114	0	20.8	0
PG-11	2 inches above ground surface	1115	0	20.8	0
PG-12	2 inches above ground surface	1108	0	20.8	0
PG-13	2 inches above ground surface	Snow	-	-	-
PG-14	2 inches above ground surface	1107	0	20.8	0
PS-01	at spinner (4 ft above pavement)	1017	0	20.8	0
PS-02	at spinner (4 ft above pavement)	1018	100	18.5	0
PS-03	at spinner (4 ft above pavement)	1020	100	16.7	0
PS-04	at spinner (4 ft above pavement)	1022	0	20.8	0
PS-05	at spinner (4 ft above pavement)	1023	0	20.8	0
PS-06	at spinner (4 ft above pavement)	1025	0	20.8	0

Note:

Methane concentrations shall be measured in percent of the LEL. Other gases measured in %.

DC = Drainage Culvert (inlet)

HP = Hangar Pad

LEL = lower explosive limit

PG = Perimeter Ground

PS = Perimeter Spinner (wind turbine)

TD = Trench Drain

Methane = CH<sub>4</sub>

Oxygen = O<sub>2</sub>

Carbon dioxide = CO<sub>2</sub>

Comments:

Form modified from <http://www.nmenv.state.nm.us/swb/documents/ExampleMethaneFORM10-10-08.doc>.



Photo 1: Posting for methane gas at PS-01 (similar posting at PS-06)



Photo 2: Monitoring at PG-01