ATTACHMENT 1

Photographs

Bridgeton Landfill LLC

Joseph L. Trunko, MDNR/SLRO

February 11, 2014

1. Subsided are #1 located at GEW-64A.

2. Subsided area #2 located at SEW-31R.

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Joseph L. Trunko, MDNR/SLRO
February 11, 2014

3. Subsided area #3 located at former LCS-2 (near GEW-26R).

4. Subsided area #4 located at SC-5.

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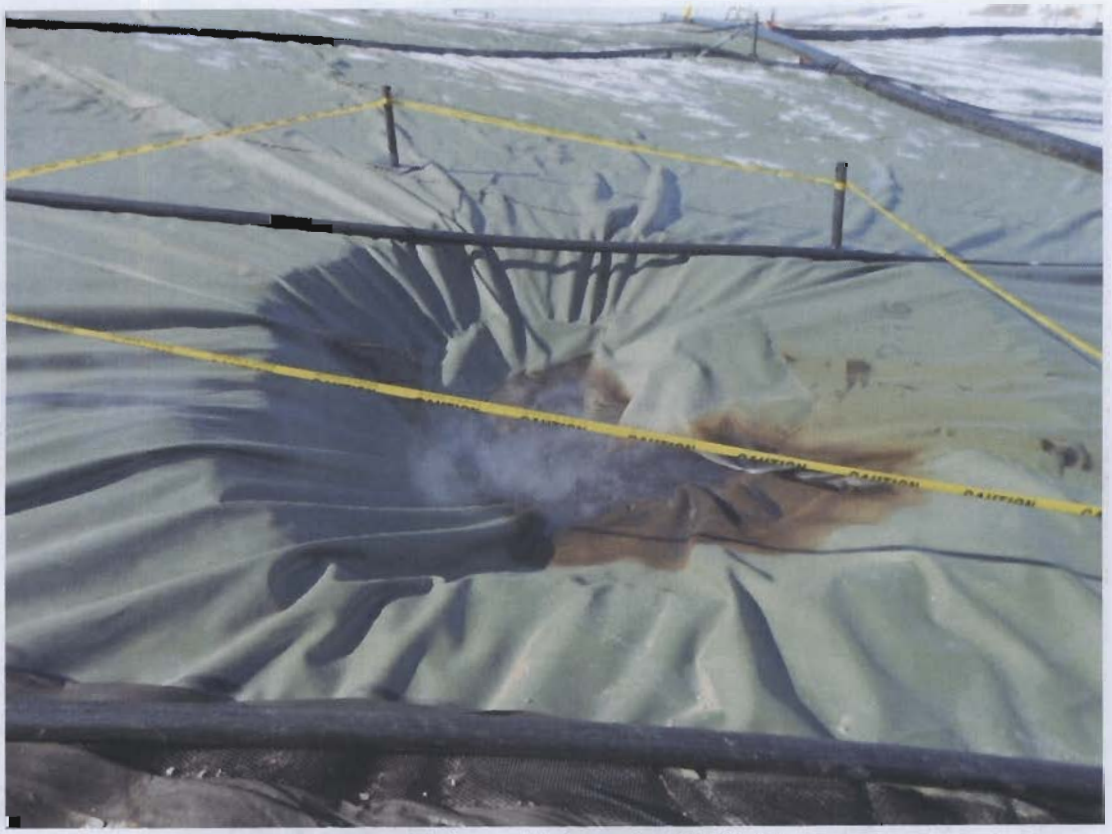
Joseph L. Trunko, MDNR/SLRO
February 11, 2014



5. Subsided area #5 located at SEW-13.

6. Subsided area #6 located at SC-1.

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February 11, 2014

7. LCS-1D with Primary Cavity Pump.

8. LCS-2D.

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9. LCS-3C.

10. LCS-4B.

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Joseph L. Trunko, MDNR/SLRO

February 11, 2014

11. LCS-5A (north quarry).

12. LCS-6B (north quarry).

13. K-128 (located in 118903 permit area).

14. Flare station and frac tank located on SE side of landfill.

15. Frac tanks located on SE side of landfill.

16. Frac tanks located in Amphitheater area.

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February 11, 2014

17. Frac tank at SW corner of landfill and 96K tank.

18. Emergency storage frac tanks (16) and vac-truck storage building; leachate pre-treament plant and 1-M tanks in background.

19. Buffer frac tank farm (24x); 1-M gallon tanks in background.

20. 316K leachate treatment tank and truck load-out station.

21. Tank Battery area (TB1-TB4); 6 emergency storage tanks on right.

22. Truck load-out station at Tank Battery area.

23. 96K tank at SW corner of landfill; MSD lift station in background.

24. "Approved" frac tank storage for treated leachate.

25. Three candle-stick flares at main flare station; former enclosesd flare on left.

26. Overview of south quarry (looking south from north quarry).

27. Southeast slope of landfill (looking NE).

28. Outfall 007 (located along west side of entrance road).

29. Outfall 005 (located at SE corner of site; looking SW toward Boenker Rd).

30. Outfall 003 (looking NE toward landfill).

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31. Recently lined swale between road and SW sedimentation basin; leachate from spill still present.

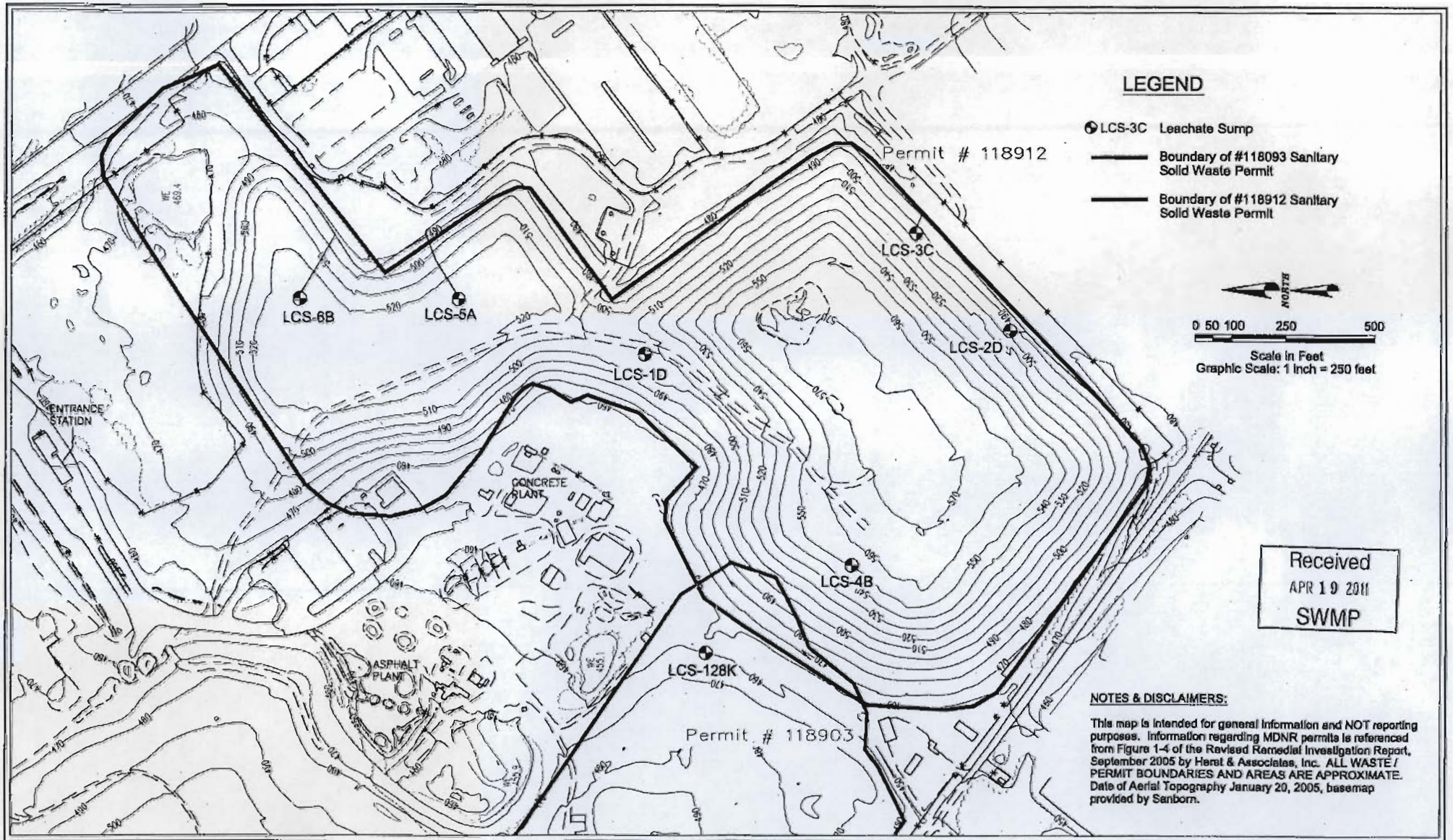
32. Area of 2-9-14 leachate release at SW corner of landfill; leachate accumulated under liner.

33. Area of 2-9-14 leachate release; inlet to storm water culvert (currently blocked).

34. Area of 2-9-14 leachate release; inlet of storm water culvert that drains to Outfall 003.

ATTACHMENT 2

LCS location map and measurement data



4631 North St. Peters Parkway
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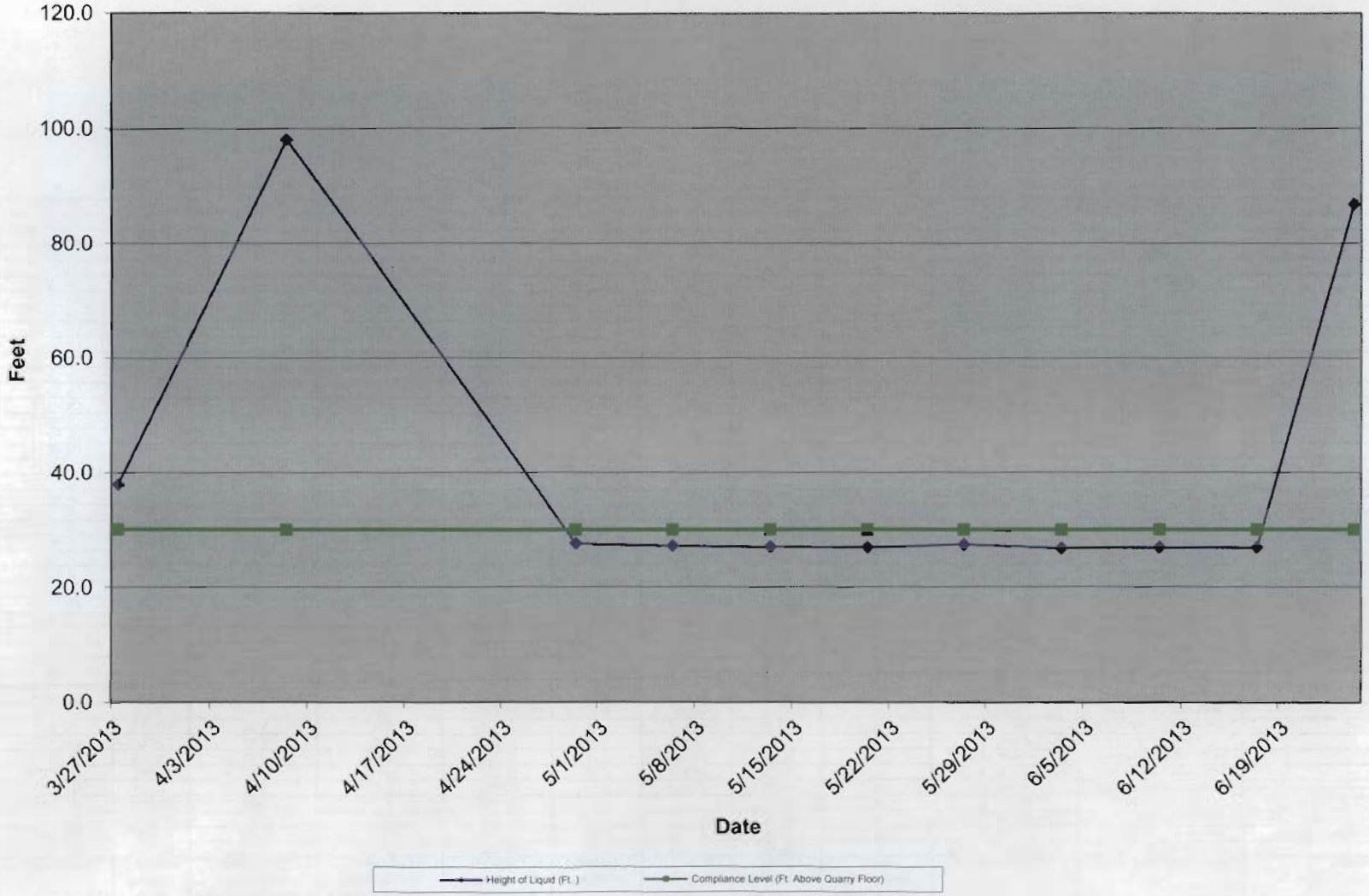
HERST & ASSOCIATES, INC.®

Bridgeton Landfill
Bridgeton, Missouri

Leachate Collection Sumps and Permitted Areas

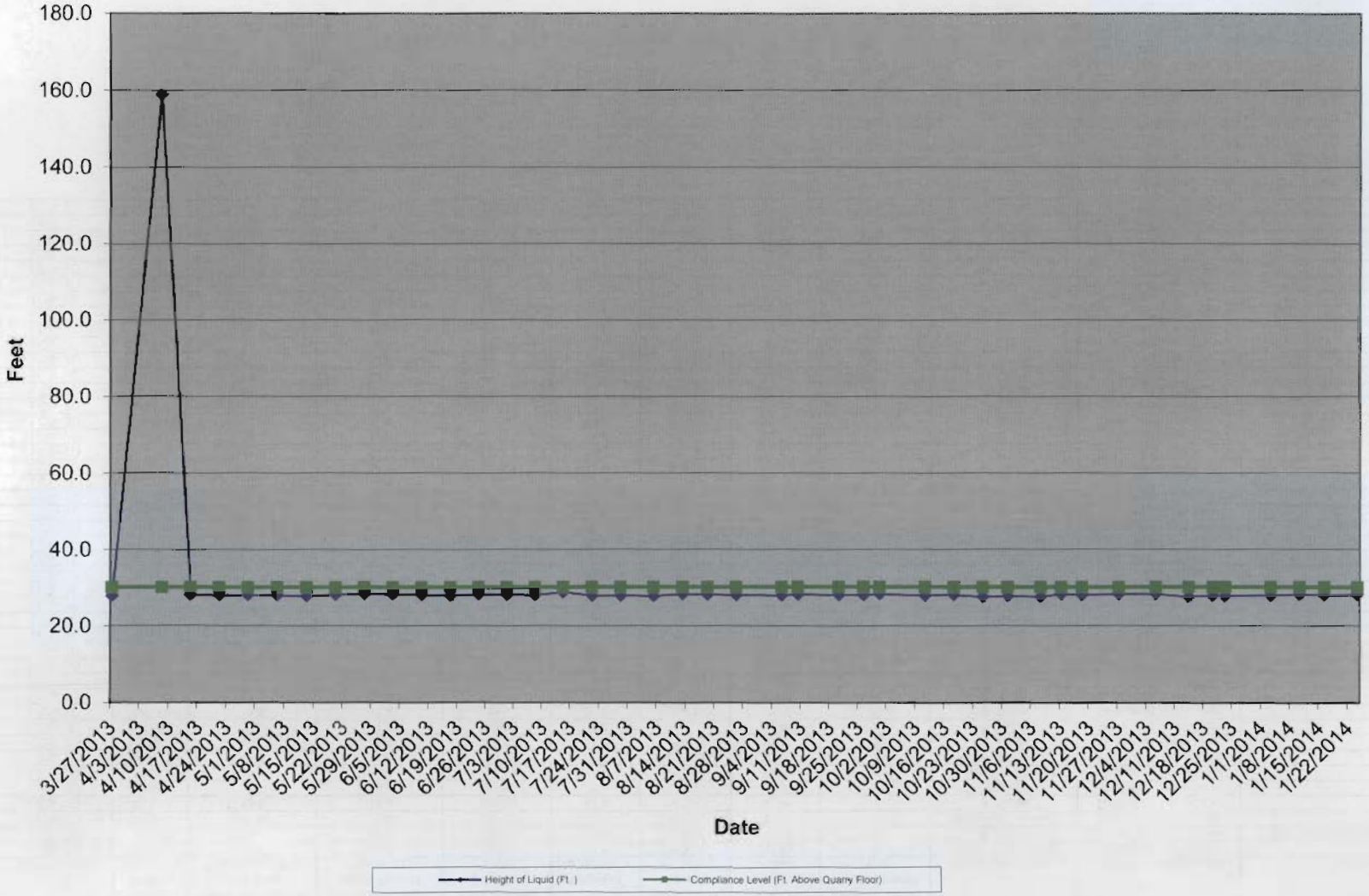
LCS Number	Date Reading Collected	Measured Liquid Level Above Transducer (Ft.)	Transducer Height above Floor of Quarry (Ft.)	Base of Sump Elevation (Ft. MSL)	Height of Liquid (Ft.)	Elevation of Leachate (Ft. MSL)	Compliance Level (Ft. Above Quarry Floor)	Pump on during measurement? (Y/N)	Technician initials	Liquid level meter used	Comments
LCS- 1D	3/27/13	25.9	12.0	252.22	37.9	290.12	30.00	Y	Herst - J. Wilkinson	Dedicated Transducer	
LCS- 1D	4/8/13	86.1	12.0	252.22	98.1	350.32	30.00	N	B. Sehie	Dedicated Transducer	Storage Restriction - Pump Off
LCS- 1D	4/15/13	NA	12.0	252.22			30.00	N	Herst - M. Stewart	Dedicated Transducer	LCS Offline for Electrical Service
LCS- 1D	4/22/13	NA	12.0	252.22			30.00	N	B. Sehie	Dedicated Transducer	LCS Offline for Electrical Service
LCS- 1D	4/29/13	15.6	12.0	252.22	27.6	279.82	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 1D	5/6/13	15.2	12.0	252.22	27.2	279.42	30.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 1D	5/13/13	15.0	12.0	252.22	27.0	279.22	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 1D	5/20/13	14.9	12.0	252.22	26.9	279.12	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 1D	5/27/13	15.4	12.0	252.22	27.4	279.62	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 1D	6/3/13	14.8	12.0	252.22	26.8	279.02	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 1D	6/10/13	14.9	12.0	252.22	26.9	279.12	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 1D	6/17/13	14.9	12.0	252.22	26.9	279.12	30.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 1D	6/24/13	74.8	12.0	252.22	86.8	339.02	30.00	N	B. Sehie	Dedicated Transducer	Motor Failure - replacement schd. 7/1/13
LCS- 1D	7/1/13					0.00	30.00	N	B. Sehie	Dedicated Transducer	Sump collapsed, no power
LCS- 1D	7/8/13					0.00	30.00	N	B. Sehie	Dedicated Transducer	Sump collapsed, no power
LCS- 1D	7/15/13					0.00	30.00	N	B. Sehie	Dedicated Transducer	Sump collapsed, no power
LCS- 1D	7/22/13					0.00	30.00	N	Herst - M. Stewart	Dedicated Transducer	Sump collapsed, no power
LCS- 1D	7/29/13					0.00	30.00	N	Herst - M. Stewart	Dedicated Transducer	Sump collapsed, no power
LCS- 1D	8/6/13					0.00	30.00	N	B. Sehie	Dedicated Transducer	Sump collapsed, no power
LCS- 1D	8/13/13					0.00	30.00	N	B. Sehie	Dedicated Transducer	Sump collapsed, no power
LCS- 1D	8/19/13					0.00	30.00	N	Herst - J. Regan	Dedicated Transducer	Sump collapsed, no power
LCS- 1D	8/26/13					0.00	30.00	N	B. Sehie	Dedicated Transducer	Sump collapsed, no power
LCS- 1D	9/6/13					0.00	30.00	N	B. Sehie	Dedicated Transducer	Sump collapsed, no power
LCS- 1D	9/10/13					0.00	30.00	N	B. Sehie	Dedicated Transducer	Sump collapsed, no power
LCS- 1D	9/20/13					0.00	30.00	N	B. Sehie	Dedicated Transducer	Sump collapsed, no power
LCS- 1D	9/26/13					0.00	30.00	N	B. Sehie	No Transducer	Blackhawk Pump Added 9/25/13
LCS- 1D	9/30/13					0.00	30.00	N	Herst - M. Stewart	No Transducer	
LCS- 1D	10/11/13					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	10/18/13					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	10/25/13					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	10/31/13					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	11/8/13					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	11/13/13					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	11/18/13					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	11/27/13					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	12/6/13					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	12/14/13					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	12/20/13					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	12/23/13					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	1/3/14					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	1/10/14					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	1/16/14					0.00	30.00	N	B. Sehie	No Transducer	
LCS- 1D	1/24/14					0.00	30.00	N	B. Sehie	No Transducer	

LCS-1D Liquid Level Above Quarry Floor



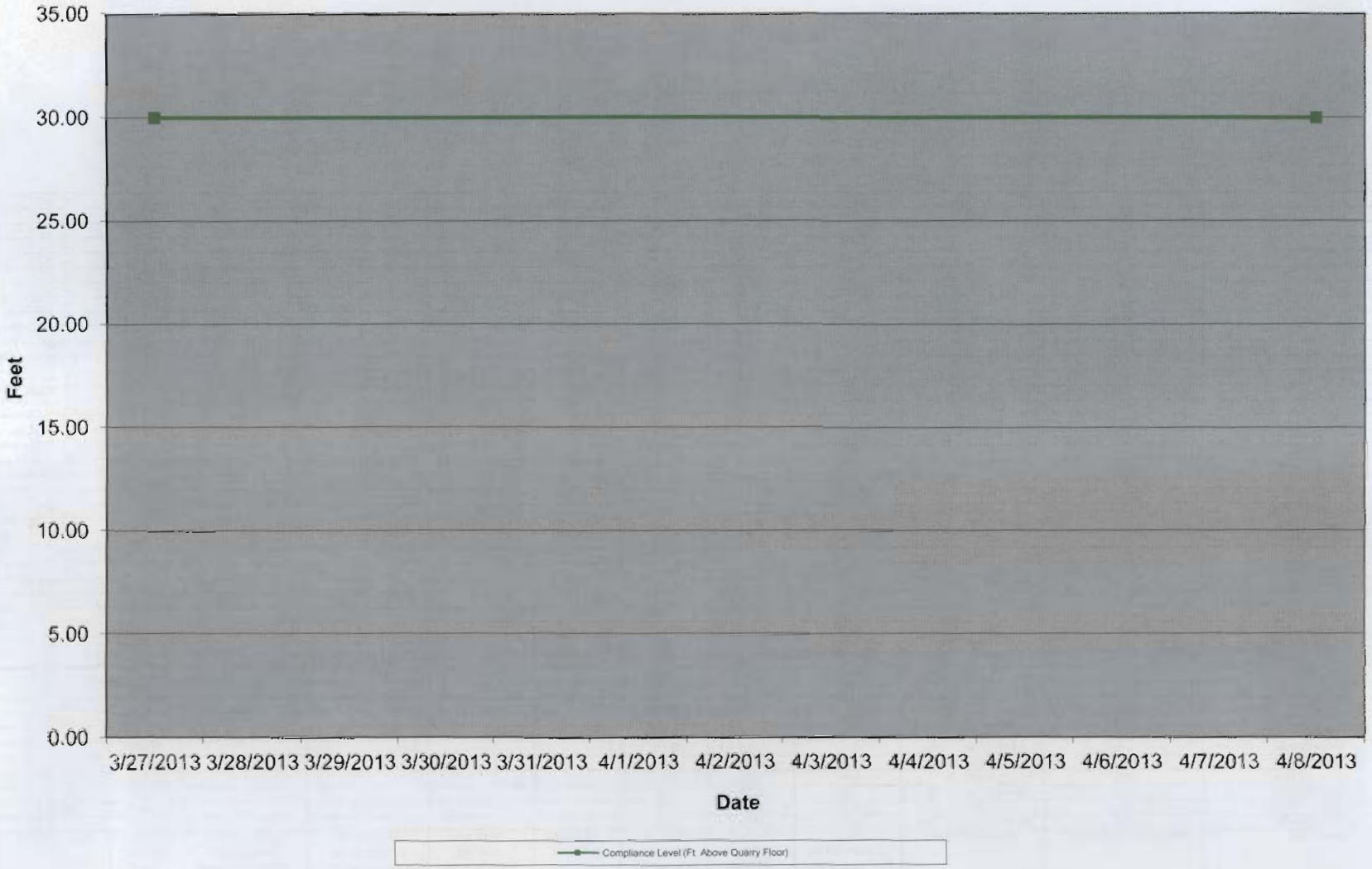
LCS Number	Date Reading Collected	Measured Liquid Level Above Transducer (Ft.)	Transducer Height above Floor of Quarry (Ft.)	Base of Sump Elevation (Ft. MSL)	Height of Liquid (Ft.)	Elevation of Leachate (Ft. MSL)	Compliance Level (Ft. Above Quarry Floor)	Pump on during measurement? (Y/N)	Technician initials	Liquid level meter used	Comments
LCS- 2D	3/27/13	13.4	14.4	235.92	27.8	263.72	30.00	Y	Herst - J. Wilkinson	Dedicated Transducer	
LCS- 2D	4/8/13	144.5	14.4	235.92	158.9	394.82	30.00	N	B. Sehie	Dedicated Transducer	Storage Restriction - Pump Off
LCS- 2D	4/15/13	13.6	14.4	235.92	28.0	263.92	30.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 2D	4/22/13	13.5	14.4	235.92	27.9	263.82	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	4/29/13	13.6	14.4	235.92	28.0	263.92	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	5/6/13	13.5	14.4	235.92	27.9	263.82	30.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 2D	5/13/13	13.3	14.4	235.92	27.7	263.62	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	5/20/13	13.7	14.4	235.92	28.1	264.02	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	5/27/13	13.9	14.4	235.92	28.3	264.22	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	6/3/13	13.8	14.4	235.92	28.2	264.12	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	6/10/13	13.6	14.4	235.92	28.0	263.92	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	6/17/13	13.4	14.4	235.92	27.8	263.72	30.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 2D	6/24/13	13.8	14.4	235.92	28.2	264.12	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	7/1/13	13.7	14.4	235.92	28.1	264.02	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	7/8/13	13.6	14.4	235.92	28.0	263.92	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	7/15/13	14.3	14.4	235.92	28.7	264.62	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	7/22/13	13.4	14.4	235.92	27.8	263.72	30.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 2D	7/29/13	13.4	14.4	235.92	27.8	263.72	30.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 2D	8/6/13	13.3	14.4	235.92	27.7	263.62	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	8/13/13	13.8	14.4	235.92	28.2	264.12	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	8/19/13	13.7	14.4	235.92	28.1	264.02	30.00	Y	Herst - J. Regan	Dedicated Transducer	
LCS- 2D	8/26/13	13.5	14.4	235.92	27.9	263.82	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	9/6/13	13.4	14.4	235.92	27.8	263.72	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	9/10/13	13.7	14.4	235.92	28.1	264.02	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	9/20/13	13.5	14.4	235.92	27.9	263.82	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	9/26/13	13.5	14.4	235.92	27.9	263.82	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	9/30/13	13.8	14.4	235.92	28.2	264.12	30.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 2D	10/11/13	13.4	14.4	235.92	27.8	263.72	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	10/18/13	13.6	14.4	235.92	28.0	263.92	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	10/25/13	13.1	14.4	235.92	27.5	263.42	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	10/31/13	13.3	14.4	235.92	27.7	263.62	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	11/8/13	13.1	14.4	235.92	27.5	263.42	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	11/13/13	13.8	14.4	235.92	28.2	264.12	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	11/18/13	13.6	14.4	235.92	28.0	263.92	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	11/27/13	13.8	14.4	235.92	28.2	264.12	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	12/6/13	13.8	14.4	235.92	28.2	264.12	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	12/14/13	13.1	14.4	235.92	27.5	263.42	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	12/20/13	13.4	14.4	235.92	27.8	263.72	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	12/23/13	13.3	14.4	235.92	27.7	263.62	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	1/3/14	13.4	14.4	235.92	27.8	263.72	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	1/10/14	13.7	14.4	235.92	28.1	264.02	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	1/16/14	13.5	14.4	235.92	27.9	263.82	30.00	Y	B. Sehie	Dedicated Transducer	
LCS- 2D	1/24/14	13.7	14.4	235.92	28.1	264.02	30.00	Y	B. Sehie	Dedicated Transducer	

LCS-2D Liquid Level Above Quarry Floor



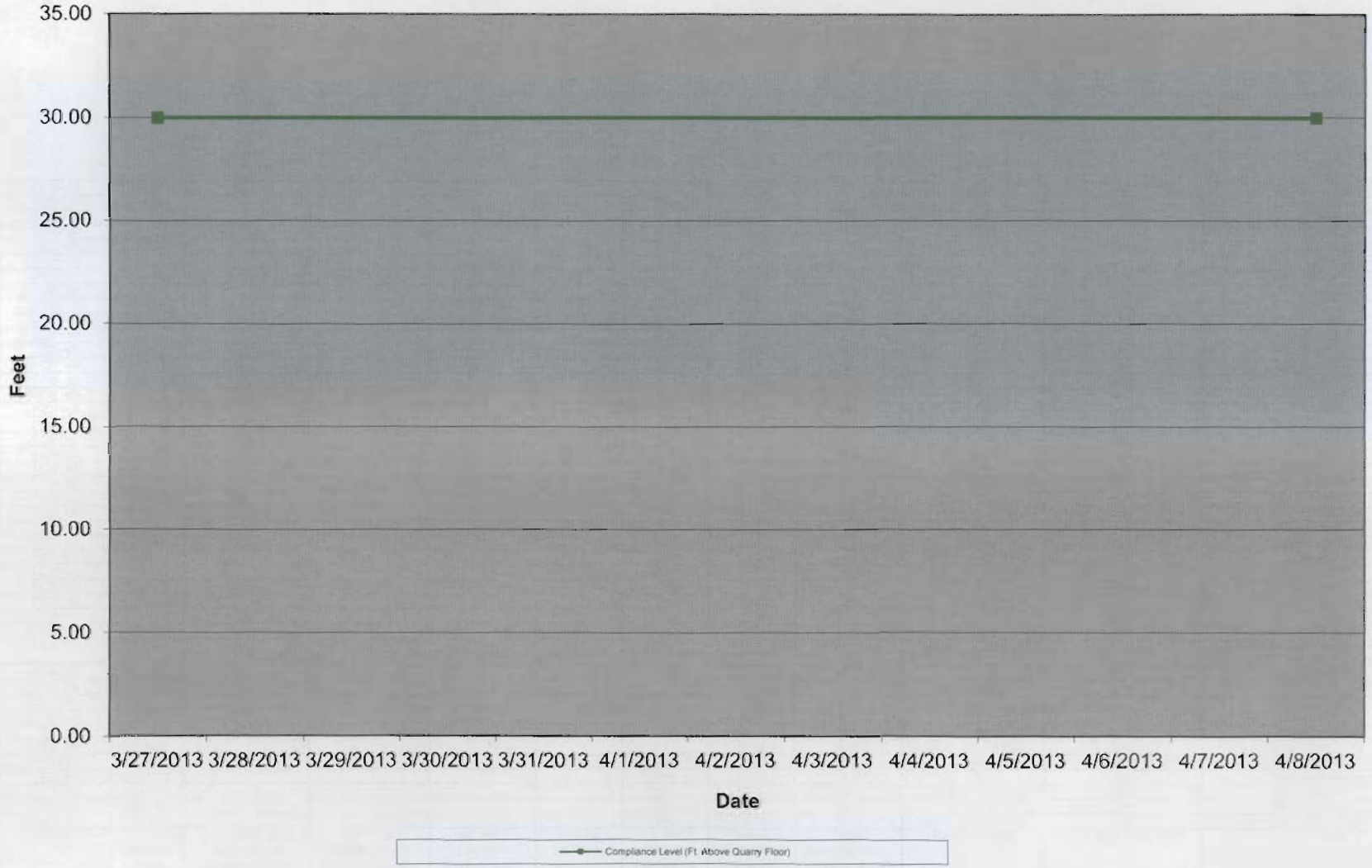
LCS Number	Date Reading Collected	Measured Liquid Level Above Transducer (Ft.)	Transducer Height above Floor of Quarry (Ft.)	Base of Sump Elevation (Ft. MSL)	Height of Liquid (Ft.)	Elevation of Leachate (Ft. MSL)	Compliance Level (Ft. Above Quarry Floor)	Pump on during measurement? (Y/N)	Technician initials	Liquid level meter used	Comments
LCS- 3C	3/27/13					N/A	30.00	N/A	Herst - J. Wilkinson	N/A	Non-Operational
LCS- 3C	4/8/13					N/A	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	4/15/13					N/A	30.00	N/A	Herst - M. Stewart	N/A	Non-Operational
LCS- 3C	4/22/13					N/A	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	4/29/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	5/6/13					0.00	30.00	N/A	Herst - M. Stewart	N/A	Non-Operational
LCS- 3C	5/13/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	5/20/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	5/27/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	6/3/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	6/10/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	6/17/13					0.00	30.00	N/A	Herst - M. Stewart	N/A	Non-Operational
LCS- 3C	6/24/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	7/1/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	7/8/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	7/15/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	7/22/13					0.00	30.00	N/A	Herst - M. Stewart	N/A	Non-Operational
LCS- 3C	7/29/13					0.00	30.00	N/A	Herst - M. Stewart	N/A	Non-Operational
LCS- 3C	8/6/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	8/13/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	8/19/13					0.00	30.00	N/A	Herst - J. Regan	N/A	Non-Operational
LCS- 3C	8/26/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	9/6/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	9/10/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	9/20/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 3C	9/26/13					0.00	30.00	N/A	B. Sehie	N/A	Blackhawk Pump Installed 9/23/13
LCS- 3C	9/30/13					0.00	30.00	N/A	Herst - M. Stewart	N/A	
LCS- 3C	10/11/13					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	10/18/13					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	10/25/13					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	10/31/13					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	11/8/13					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	11/13/13					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	11/18/13					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	11/27/13					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	12/6/13					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	12/14/13					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	12/20/13					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	12/23/13					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	1/3/14					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	1/10/14					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	1/16/14					0.00	30.00	N/A	B. Sehie	N/A	
LCS- 3C	1/24/14					0.00	30.00	N/A	B. Sehie	N/A	

LCS-3C Liquid Level Above Quarry Floor



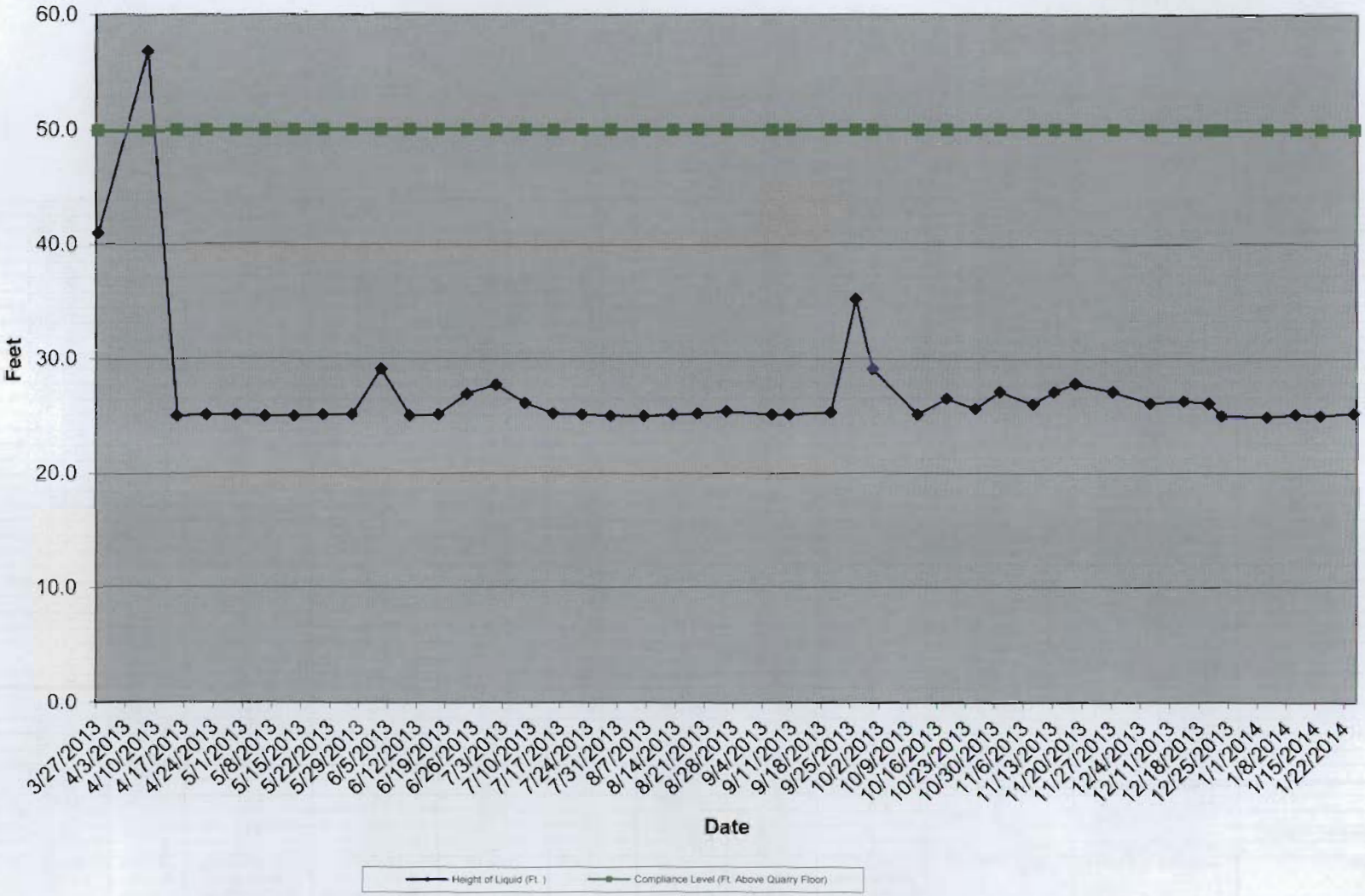
LCS Number	Date Reading Collected	Measured Liquid Level Above Transducer (Ft.)	Transducer Height above Floor of Quarry (Ft.)	Base of Sump Elevation (Ft. MSL)	Height of Liquid (Ft.)	Elevation of Leachate (Ft. MSL)	Compliance Level (Ft. Above Quarry Floor)	Pump on during measurement? (Y/N)	Technician initials	Liquid level meter used	Comments
LCS- 4B	3/27/13					N/A	30.00	N/A	Herst - J. Wilkinson	N/A	Non-Operational
LCS- 4B	4/8/13					N/A	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	4/15/13					N/A	30.00	N/A	Herst - M. Stewart	N/A	Non-Operational
LCS- 4B	4/22/13					N/A	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	4/29/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	5/6/13					0.00	30.00	N/A	Herst - M. Stewart	N/A	Non-Operational
LCS- 4B	5/13/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	5/20/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	5/27/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	6/3/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	6/10/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	6/17/13					0.00	30.00	N/A	Herst - M. Stewart	N/A	Installation of replacement sump in current location impossible, installation aborted.
LCS- 4B	6/24/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	7/1/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	7/8/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	7/15/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	7/22/13					0.00	30.00	N/A	Herst - M. Stewart	N/A	Non-Operational
LCS- 4B	7/29/13					0.00	30.00	N/A	Herst - M. Stewart	N/A	Non-Operational
LCS- 4B	8/6/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	8/13/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	8/19/13					0.00	30.00	N/A	Herst - J. Regan	N/A	Non-Operational
LCS- 4B	8/26/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	9/6/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	9/10/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	9/20/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	9/26/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	9/30/13					0.00	30.00	N/A	Herst - M. Stewart	N/A	Non-Operational
LCS- 4B	10/11/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	10/18/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	10/25/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	10/31/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	11/8/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	11/13/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	11/19/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	11/27/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	12/6/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	12/14/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	12/20/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	12/23/13					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	1/3/14					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	1/10/14					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	1/16/14					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational
LCS- 4B	1/24/14					0.00	30.00	N/A	B. Sehie	N/A	Non-Operational

LCS-4B Liquid Level Above Quarry Floor



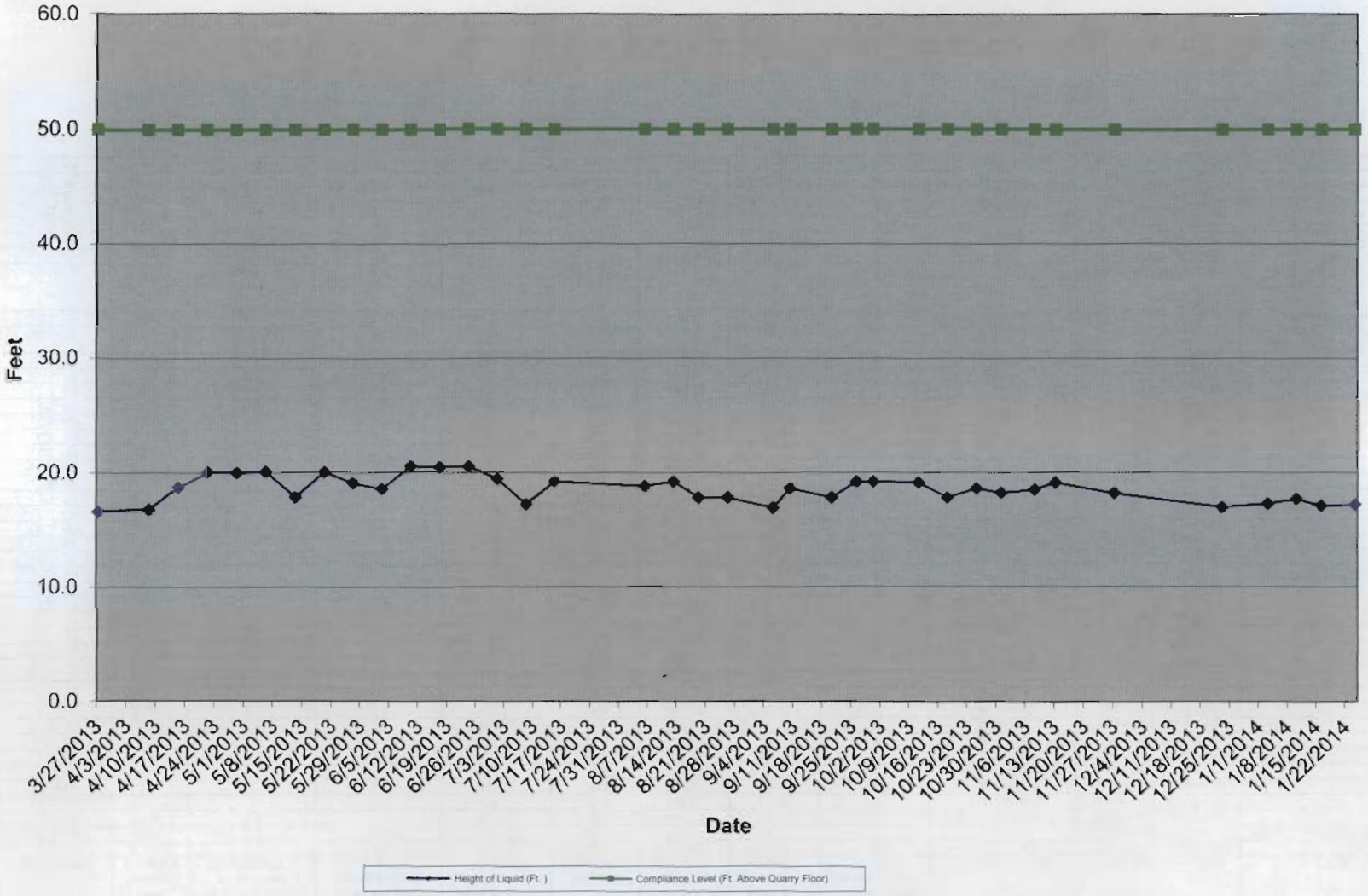
LCS Number	Date Reading Collected	Measured Liquid Level Above Transducer (Ft.)	Transducer Height above Floor of Quarry (Ft.)	Base of Sump Elevation (Ft. MSL)	Height of Liquid (Ft.)	Elevation of Leachate (Ft. MSL)	Compliance Level (Ft. Above Quarry Floor)	Pump on during measurement? (Y/N)	Technician initials	Liquid level meter used	Comments
LCS- 5A	3/27/13	25.9	15.0	235.4	40.9	276.30	50.00	Y	Herst - J. Wilkinson	Dedicated Transducer	
LCS- 5A	4/8/13	41.8	15.0	235.4	56.8	292.20	50.00	N	B. Sehie	Dedicated Transducer	Storage Restriction - Pump Off
LCS- 5A	4/15/13	10.0	15.0	235.4	25.0	260.40	50.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 5A	4/22/13	10.1	15.0	235.4	25.1	260.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	4/29/13	10.1	15.0	235.4	25.1	260.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	5/6/13	10.0	15.0	235.4	25.0	260.40	50.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 5A	5/13/13	10.0	15.0	235.4	25.0	260.40	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	5/20/13	10.1	15.0	235.4	25.1	260.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	5/27/13	10.1	15.0	235.4	25.1	260.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	6/3/13	14.1	15.0	235.4	29.1	264.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	6/10/13	10.0	15.0	235.4	25.0	260.40	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	6/17/13	10.1	15.0	235.4	25.1	260.50	50.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 5A	6/24/13	11.9	15.0	235.4	26.9	262.30	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	7/1/13	12.7	15.0	235.4	27.7	263.10	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	7/8/13	11.1	15.0	235.4	26.1	261.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	7/15/13	10.2	15.0	235.4	25.2	260.60	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	7/22/13	10.1	15.0	235.4	25.1	260.50	50.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 5A	7/29/13	10.0	15.0	235.4	25.0	260.40	50.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 5A	8/6/13	10.0	15.0	235.4	25.0	260.40	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	8/13/13	10.1	15.0	235.4	25.1	260.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	8/19/13	10.2	15.0	235.4	25.2	260.60	50.00	Y	Herst - J. Regan	Dedicated Transducer	
LCS- 5A	8/26/13	10.4	15.0	235.4	25.4	260.80	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	9/6/13	10.1	15.0	235.4	25.1	260.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	9/10/13	10.1	15.0	235.4	25.1	260.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	9/20/13	10.3	15.0	235.4	25.3	260.70	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	9/26/13	20.2	15.0	235.4	35.2	270.60	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	9/30/13	14.1	15.0	235.4	29.1	264.50	50.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 5A	10/11/13	10.1	15.0	235.4	25.1	260.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	10/18/13	11.5	15.0	235.4	26.5	261.90	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	10/25/13	10.6	15.0	235.4	25.6	261.00	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	10/31/13	12.1	15.0	235.4	27.1	262.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	11/8/13	11.0	15.0	235.4	26.0	261.40	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	11/13/13	12.1	15.0	235.4	27.1	262.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	11/18/13	12.8	15.0	235.4	27.8	263.20	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	11/27/13	12.1	15.0	235.4	27.1	262.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	12/6/13	11.1	15.0	235.4	26.1	261.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	12/14/13	11.3	15.0	235.4	26.3	261.70	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	12/20/13	11.1	15.0	235.4	26.1	261.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	12/23/13	10.0	15.0	235.4	25.0	260.40	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	1/3/14	9.9	15.0	235.4	24.9	260.30	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	1/10/14	10.1	15.0	235.4	25.1	260.50	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	1/16/14	10.0	15.0	235.4	25.0	260.40	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 5A	1/24/14	10.2	15.0	235.4	25.2	260.60	50.00	Y	B. Sehie	Dedicated Transducer	

LCS-5A Liquid Level Above Quarry Floor



LCS Number	Date Reading Collected	Measured Liquid Level Above Transducer (Ft.)	Transducer Height above Floor of Quarry (Ft.)	Base of Sump Elevation (Ft. MSL)	Height of Liquid (Ft.)	Elevation of Leachate (Ft. MSL)	Compliance Level (Ft. Above Quarry Floor)	Pump on during measurement? (Y/N)	Technician initials	Liquid level meter used	Comments
LCS- 6B	3/27/13	7.2	9.4	428.52	16.6	445.12	50.00	Y	Herst - J. Wilkinson	Dedicated Transducer	
LCS- 6B	4/8/13	7.3	9.4	428.52	16.7	445.22	50.00	Y	B. Sehie	Dedicated Transducer	Pump in Dry Run Protection Mode (off)
LCS- 6B	4/15/13	9.3	9.4	428.52	18.7	447.22	50.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 6B	4/22/13	10.6	9.4	428.52	20.0	448.52	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	4/29/13	10.5	9.4	428.52	19.9	448.42	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	5/6/13	10.6	9.4	428.52	20.0	448.52	50.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 6B	5/13/13	8.4	9.4	428.52	17.8	446.32	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	5/20/13	10.6	9.4	428.52	20.0	448.52	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	5/27/13	9.6	9.4	428.52	19.0	447.52	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	6/3/13	9.1	9.4	428.52	18.5	447.02	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	6/10/13	11.1	9.4	428.52	20.5	449.02	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	6/17/13	11.0	9.4	428.52	20.4	448.92	50.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 6B	6/24/13	11.1	9.4	428.52	20.5	449.02	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	7/1/13	10.0	9.4	428.52	19.4	447.92	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	7/8/13	7.8	9.4	428.52	17.2	445.72	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	7/15/13	9.8	9.4	428.52	19.2	447.72	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	7/22/13	REM Fault	9.4	428.52	#VALUE!	#VALUE!	50.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 6B	7/29/13	REM Fault			#VALUE!	#VALUE!	50.00	Y	Herst - M. Stewart	Dedicated Transducer	
LCS- 6B	8/6/13	9.4	9.4	428.52	18.8	447.32	50.00	Y	B. Sehie	Dedicated Transducer	Pump Replaced 8/6/13
LCS- 6B	8/13/13	9.8	9.4	428.52	19.2	447.72	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	8/19/13	8.4	9.4	428.52	17.8	446.32	50.00	Y	Herst - J. Regan	Dedicated Transducer	
LCS- 6B	8/26/13	8.4	9.4	428.52	17.8	446.32	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	9/6/13	7.5	9.4	428.52	16.9	445.42	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	9/10/13	9.2	9.4	428.52	18.6	447.12	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	9/20/13	8.4	9.4	428.52	17.8	446.32	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	9/26/13	9.8	9.4	428.52	19.2	447.72	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	9/30/13	9.8	9.4	428.52	19.2	447.72	50.00	Y	Herst - J. Wilkinson	Dedicated Transducer	
LCS- 6B	10/11/13	9.7	9.4	428.52	19.1	447.62	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	10/18/13	8.4	9.4	428.52	17.8	446.32	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	10/25/13	9.2	9.4	428.52	18.6	447.12	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	10/31/13	8.6	9.4	428.52	18.2	446.72	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	11/8/13	9.1	9.4	428.52	18.5	447.02	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	11/13/13	9.7	9.4	428.52	19.1	447.62	50.00	Y	B. Sehie	Dedicated Transducer	
LCS- 6B	11/18/13	No Data	9.4	428.52	#VALUE!	#VALUE!	50.00	N	B. Sehie	Dedicated Transducer	Power Supply Damaged during drilling operations, repair scheduled
LCS- 6B	11/27/13	8.8	9.4	428.52	18.2	446.72	50.00	N	B. Sehie	Dedicated Transducer	Repaired to functionality
LCS- 6B	12/6/13	No Data	9.4	428.52	#VALUE!	#VALUE!	50.00	N	B. Sehie	Dedicated Transducer	Electric Conduit removed for N. Quarry work, scheduled to be restored by 12/23/13
LCS- 6B	12/14/13	No Data	9.4	428.52	#VALUE!	#VALUE!	50.00	N	B. Sehie	Dedicated Transducer	See Above
LCS- 6B	12/20/13	No Data	9.4	428.52	#VALUE!	#VALUE!	50.00	N	B. Sehie	Dedicated Transducer	See Above
LCS- 6B	12/23/13	7.6	9.4	428.52	17.0	445.52	50.00	N	B. Sehie	Dedicated Transducer	Power Repaired 12/23/13
LCS- 6B	1/3/14	7.9	9.4	428.52	17.3	445.82	50.00	N	B. Sehie	Dedicated Transducer	
LCS- 6B	1/10/14	8.3	9.4	428.52	17.7	446.22	50.00	N	B. Sehie	Dedicated Transducer	
LCS- 6B	1/16/14	7.7	9.4	428.52	17.1	445.62	50.00	N	B. Sehie	Dedicated Transducer	
LCS- 6B	1/24/14	7.8	9.4	428.52	17.2	445.72	50.00	N	B. Sehie	Dedicated Transducer	

LCS-6B Liquid Level Above Quarry Floor



Bridgeton Landfill LLC North Trench Sump's Water Levels Expanded

Date	1/25/2013	2/22/2013	3/31/2013	4/26/2013	5/28/2013	6/28/2013	7/26/2013	8/30/2013	9/6/2013	10/31/2013	11/29/2013	12/27/2013	1/31/2014		
North Trench Sump # 1 Depth to Bottom 18.0'	15.2	14.8	14.4	11.5	8.1	9.3	10.1	10.8	11.4	13.1	14.4	15.9	16.5		
North Trench Sump # 2 Depth to Bottom 18.7'	15.1	14.9	14.7	11.8	8.4	9.7	10.4	10.7	11.2	13.7	15.6	16.8	17.2		
North Trench Sump # 3 Depth to Bottom 17.6'	15.4	15.1	14.9	11.9	8.7	9.8	10.5	11.1	11.8	14.2	16.1	16.6	17.1		
K128 leachate sump Depth to bottom 30.33'	19	18	17	14.1	9.5	11	12	13	13.7	13.9	16.9	18.3	20.5		
Cycling ?															
Pump 1 Counter															
Pump 2 Counter															

Questions: David Vasbinder 314 744 8166

ATTACHMENT 3

Leachate transport log

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
18	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092942	Sam Bircher
19	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092943	Sam Bircher
20	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092944	Sam Bircher
21	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092945	Sam Bircher
22	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092946	Paul Linscott
23	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366876 GBF	Paul Linscott
24	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092947	Paul Linscott
25	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092948	Paul Linscott
26	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092949	Paul Linscott
27	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092950	Paul Linscott
28	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092951	Paul Linscott
29	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092952	Paul Linscott
30	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366877 GBF	Paul Linscott
31	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092953	Paul Linscott
31					232,500		

Loading Date 1/29/2014

1	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092954	Sam Bircher
2	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092955	Sam Bircher
3	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092956	Sam Bircher
4	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366878 GBF	Sam Bircher
5	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092957	Sam Bircher
6	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092958	Sam Bircher
7	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092959	Sam Bircher

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
8	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092960	Sam Bircher
9	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366879 GBF	Sam Bircher
10	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092961	Sam Bircher
11	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092962	Sam Bircher
12	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092963	Sam Bircher
13	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank AST 316k	Heritage Transport	5,500	1774402-15240	Sam Bircher
14	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092964	Sam Bircher
15	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank AST 316k	Heritage Transport	6,000	1774931-15240	Sam Bircher
16	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092965	Sam Bircher
17	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092966	Sam Bircher
18	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366880 GBF	Sam Bircher
19	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092967	Sam Bircher
20	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank AST 316k	Neier	5,000	1776295-15240	Sam Bircher
21	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank AST 316k	Neier	5,500	1776296-15240	Sam Bircher
22	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092968	Sam Bircher
23	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092969	Paul Linscott
24	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092970	Paul Linscott
25	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092971	Paul Linscott
26	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092973	Paul Linscott
27	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366881 GBF	Paul Linscott
28	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092974	Paul Linscott
29	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092975	Paul Linscott
30	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092976	Paul Linscott
31	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092977	Paul Linscott

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
32	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092978	Paul Linscott
33	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092979	Paul Linscott
34	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366882 GBF	Paul Linscott
35	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092980	Paul Linscott
35					254,500		

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1	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092982	Paul Linscott
2	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092983	Sam Bircher
3	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092984	Sam Bircher
4	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092985	Sam Bircher
5	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092986	Sam Bircher
6	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092987	Sam Bircher
7	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Heritage Transport	5,500	1779768-15240	Sam Bircher
8	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Heritage Transport	6,000	1779769-15240	Sam Bircher
9	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092988	Sam Bircher
10	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092989	Sam Bircher
11	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	6,000	1776297-15240	Sam Bircher
12	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366883 GBF	Sam Bircher
13	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092990	Sam Bircher
14	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092991	Sam Bircher
15	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092992	Sam Bircher
16	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	6,100	1774922-15240	Sam Bircher
17	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092993	Sam Bircher

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
18	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092994	Paul Linscott
19	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092995	Paul Linscott
20	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366884 GBF	Paul Linscott
21	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092996	Paul Linscott
22	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092997	Paul Linscott
23	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092998	Paul Linscott
24	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	092999	Paul Linscott
25	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093000	Paul Linscott
26	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093001	Paul Linscott
27	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093002	Paul Linscott
28	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366885 GBF	Paul Linscott
29	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093003	Paul Linscott
30	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093004	Paul Linscott
31	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093005	Paul Linscott
31					**226,100**		

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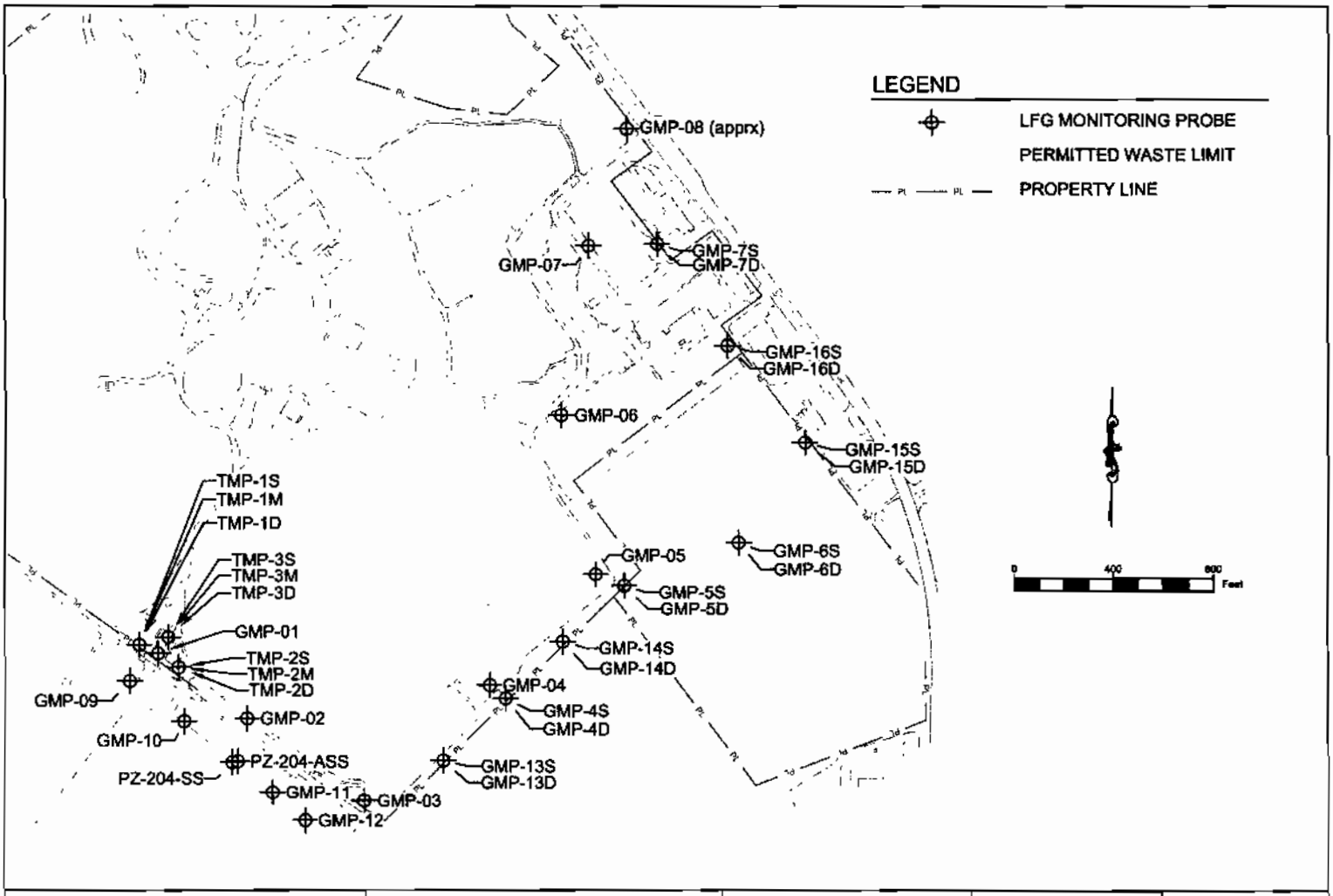
1	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093007	Sam Bircher
2	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093008	Sam Bircher
3	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093009	Sam Bircher
4	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366886 GBF	Sam Bircher
5	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093010	Sam Bircher
6	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093011	Sam Bircher
7	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093012	Sam Bircher

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
8	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,800	1774923-15240	Sam Bircher
9	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093013	Sam Bircher
10	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093014	Sam Bircher
11	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093015	Sam Bircher
12	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Schiber	5,100	1774088-15240	Sam Bircher
13	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366887 GBF	Sam Bircher
14	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Heritage Transport	6,000	1774935-15240	Sam Bircher
15	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093016	Sam Bircher
16	Non-Hazardous Leachate	Heritage - Covanta Indianapolis	Tank Battery 2	Neier	5,600	1774924-15240	Paul Linscott
17	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093017	Paul Linscott
18	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093018	Paul Linscott
19	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093019	Paul Linscott
20	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093020	Paul Linscott
21	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093021	Paul Linscott
22	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093022	Paul Linscott
23	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366888 GBF	Paul Linscott
24	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093023	Paul Linscott
25	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093024	Paul Linscott
26	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093025	Paul Linscott
27	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093026	Paul Linscott
28	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093027	Paul Linscott
29	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093028	Paul Linscott
30	Non-Hazardous Leachate for American Bottoms	American Bottoms	Tank AST 316k	MBI	7,500	002366889 GBF	Paul Linscott
31	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093029	Paul Linscott

Load ID	Waste	Disposal Facility	Source	Transporter	Qty (gal)	Manifest No.	Clerk
32	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093030	Paul Linscott
33	Non-Hazardous Leachate for MSD	MSD - Bissell Point	Tank AST 316k	MBI	7,500	093031	Paul Linscott
33					240,000		

ATTACHMENT 4

GMP location map and monitoring data



BRIDGETON LANDFILL LLC 13570 ST. CHARLES ROCK ROAD BRIDGETON, MISSOURI 63044	BRIDGETON LANDFILL SITE INFRASTRUCTURE	FEEZOR ENGINEERING INC.	DECEMBERB 2013 DESIGNED BY: PML APPROVED BY: --- REVISION DATE	DRAWING NO.: 001
GAS MONITORING PROBES				
PROJECT NUMBER: BT-014	FILE PATH: C:\Users\Paul\Desktop\Bridgeton\BT-014\DRAWINGS\gas Monitoring System.dwg			

TABLE 2

COMPLIANCE GAS MONITORING PROBE DATA

NOVEMBER 7, 2013 – DECEMBER 27, 2013

Bridgeton Landfill
Landfill Gas Monitoring Probes
July 2013

ID	CSV ID	POINT NAME	Ref Boring/installation Record	Type	Current Monitoring Frequency
GMP-01	BRIGMP01	MP01	GMP-01	Compliance probe	weekly
GMP-02	BRIGMP02	MP02	GMP-02	Compliance probe	weekly
GMP-03	BRIGMP03	MP03	GMP-03	Compliance probe	weekly
GMP-04	BRIGMP04	MP04	GMP-04	Sentry probe	quarterly
GMP-05	BRIGMP05	MP05	GMP-05	Sentry probe	quarterly
GMP-06	BRIGMP06	MP06	PZ-201-SS	Sentry probe	quarterly
GMP-07	BRIGMP07	MP07	PZ-200-SS	Sentry probe	quarterly
GMP-08	BRIGMP08	MP08	GMP-08	Compliance probe	quarterly
GMP-09	BRIGMP09	MP09	GMP-09	Public Safety Probe	weekly
GMP-10	BRIGMP10	MP10	GMP-10	Public Safety Probe	weekly
GMP-11	BRIGMP11	MP11	GMP-11	Public Safety Probe	weekly
GMP-12	BRIGMP12	MP12	GMP-12	Public Safety Probe	weekly
GMP-4S	BRIGMP4S	BRIGMP4S	GMP-04	Compliance nested probe	weekly
GMP-4D	BRIGMP4D	BRIGMP4D	GMP-04	Compliance nested probe	weekly
GMP-5S	BRIGMP5S	BRIGMP5S	GMP-05	Compliance nested probe	weekly
GMP-5D	BRIGMP5D	BRIGMP5D	GMP-05	Compliance nested probe	weekly
GMP-6S	BRIGMP6S	BRIGMP6S	GMP-06	Compliance nested probe	weekly
GMP-6D	BRIGMP6D	BRIGMP6D	GMP-06	Compliance nested probe	weekly
GMP-7S	BRIGMP7S	BRIGMP7S	GMP-07	Compliance nested probe	weekly
GMP-7D	BRIGMP7D	BRIGMP7D	GMP-07	Compliance nested probe	weekly
GMP-13S	BRGMP13S	BRGMP13S	GMP-13	Compliance nested probe	weekly
GMP-13D	BRGMP13D	BRGMP13D	GMP-13	Compliance nested probe	weekly
GMP-14S	BRGMP14S	BRGMP14S	GMP-14	Compliance nested probe	weekly
GMP-14D	BRGMP14D	BRGMP14D	GMP-14	Compliance nested probe	weekly
GMP-15S	BRGMP15S	BRGMP15S	GMP-15	Compliance nested probe	weekly
GMP-15D	BRGMP15D	BRGMP15D	GMP-15	Compliance nested probe	weekly
GMP-16S	BRGMP16S	BRGMP16S	GMP-16	Compliance nested probe	weekly
GMP-16D	BRGMP16D	BRGMP16D	GMP-16	Compliance nested probe	weekly
TMP-1S	BRITMP1S	BRITMP1S	TMP-01	Investigative nested probe	weekly
TMP-1M	BRITMP1M	BRITMP1M	TMP-01	Investigative nested probe	weekly
TMP-1D	BRITMP1D	BRITMP1D	TMP-01	Investigative nested probe	weekly
TMP-2S	BRITMP2S	BRITMP2S	TMP-02	Investigative nested probe	weekly
TMP-2M	BRITMP2M	BRITMP2M	TMP-02	Investigative nested probe	weekly
TMP-2D	BRITMP2D	BRITMP2D	TMP-02	Investigative nested probe	weekly
TMP-3S	BRITMP3S	BRITMP3S	TMP-03	Investigative nested probe	weekly
TMP-3M	BRITMP3M	BRITMP3M	TMP-03	Investigative nested probe	weekly
TMP-3D	BRITMP3D	BRITMP3D	TMP-03	Investigative nested probe	weekly
PZ-204-SS	PZ2040SS	4OSS	PZ-204-SS	Public Safety Probe	weekly
PZ-204-ASS	PZ204ASS	4ASS	PZ-204-ASS	Public Safety Probe	weekly

Gas Monitoring Probe Data - Compliance Probes

Bridgeton Landfill

11/7/2013 - 12/27/2013

Point Name	Frequency	Date	Methane	CO2	Balance	Pressure	Rel. Pressure	Depth to Water (ft)	Comment
GMP-01	weekly	11/7/2013	59.7	40.2	0	0.1	5.1	12.1	No Comment
GMP-01	weekly	11/14/2013	61.6	36.7	0	1.7	4.99	12.1	No Comment
GMP-01	weekly	11/21/2013	62.5	37	0	0.5	3.16	0	No Comment
GMP-01	weekly	11/29/2013	62.5	37.4	0	0.1	2.72	0	No Comment
GMP-01	weekly	12/7/2013	61.8	38	0	0.2	1.06	dry	No Comment
GMP-01	weekly	12/11/2013	59.2	36.1	4.2		2.18	dry	No Comment
GMP-01	weekly	12/19/2013	59.7	35.7	4.2		1.43	dry	No Comment
GMP-01	weekly	12/27/2013	56.6	38.3	4.2		2.36	dry	No Comment
GMP-02	weekly	11/7/2013	70.2	28.8	0	1	5.6	13.55	No Comment
GMP-02	weekly	11/14/2013	68.7	28.4	0	2.9	10.32	12.8	No Comment
GMP-02	weekly	11/21/2013	66.3	32.8	0	0.9	18.45	17.3	No Comment
GMP-02	weekly	11/29/2013	67.4	32.4	0	0.2	14.15	13	No Comment
GMP-02	weekly	12/7/2013	70.3	29.6	0	0.1	16.06	13.4	No Comment
GMP-02	weekly	12/11/2013	72.4	27.2	0.4		14.79	14.4	No Comment
GMP-02	weekly	12/19/2013	66.9	32.2	0.9		8.24	13.9	No Comment
GMP-02	weekly	12/27/2013	70.1	26.5	3.2		6.01	15	No Comment
GMP-03	weekly	11/7/2013	44.1	8.8	5.4	41.7	0	14.5	No Comment
GMP-03	weekly	11/14/2013	60.4	11.2	0.8	27.6	0.11	14.87	No Comment
GMP-03	weekly	11/21/2013	48.4	9.4	4.7	37.5	0	16.1	No Comment
GMP-03	weekly	11/29/2013	0	0.4	22	77.6	-0.1	14.9	No Comment
GMP-03	weekly	12/7/2013	61.7	10.4	1.1	26.8	0.02	15.1	No Comment
GMP-03	weekly	12/11/2013	54	8.4	33.5		-0.04	17	No Comment
GMP-03	weekly	12/19/2013	47.4	7.5	39.6		-0.15	16.8	No Comment
GMP-03	weekly	12/27/2013	57.2	8	30.1		0.01	18.1	No Comment
GMP-08	quarterly	11/7/2013	0	1.8	18.1	80.1	-0.09	36.25	No Comment
GMP-08	quarterly	11/14/2013	0	10.1	15.1	74.8	0.03	35.9	No Comment
GMP-08	quarterly	11/21/2013	0	3.6	16.2	80.2	0	35.8	No Comment
GMP-08	quarterly	11/29/2013	0	5.8	16.7	77.5	0.01	36.3	No Comment
GMP-08	quarterly	12/7/2013	0	5	17	78	0.02	37	No Comment
GMP-08	quarterly	12/11/2013	0	4.9	74.5		0.03	38.1	No Comment
GMP-08	quarterly	12/19/2013	0	3.6	79.2		-0.09	35	No Comment
GMP-08	quarterly	12/27/2013	0	3.1	78.8		0.06	37.4	No Comment
GMP-13D	weekly	11/7/2013	0.1	2.4	21	76.5	-0.01	15.2	No Comment
GMP-13D	weekly	11/14/2013	0.1	0.9	22.9	76.1	0.09	15.23	No Comment

Gas Monitoring Probe Data - Compliance Probes

Bridgeton Landfill

11/7/2013 - 12/27/2013

Point Name	Frequency	Date	Methane	CO2	Balance	Pressure	Rel. Pressure	Depth to Water (ft)	Comment
GMP-13D	weekly	11/21/2013	0	3.8	20.5	75.7	0.03	15	No Comment
GMP-13D	weekly	11/29/2013	0.1	2.2	21.5	76.2	0.04	15.1	No Comment
GMP-13D	weekly	12/7/2013	0.2	3.4	20.9	75.5	0.01	15.9	No Comment
GMP-13D	weekly	12/11/2013	0.2	3.7	74.4		-0.05	15	No Comment
GMP-13D	weekly	12/19/2013	0.1	0.7	77		-0.01	14.9	No Comment
GMP-13D	weekly	12/27/2013	0	2	77.9		0.11	15.5	No Comment
GMP-13S	weekly	11/7/2013	0.3	5.1	18.3	76.3	-0.01	12.95	No Comment
GMP-13S	weekly	11/14/2013	0.2	4.1	19.9	75.8	0.03	12.9	No Comment
GMP-13S	weekly	11/21/2013	0	4.6	18.8	76.6	0	13.6	No Comment
GMP-13S	weekly	11/29/2013	0.3	5.4	19.2	75.1	0	13	No Comment
GMP-13S	weekly	12/7/2013	0.3	4.7	19.3	75.7	-0.02	12.8	No Comment
GMP-13S	weekly	12/11/2013	0.3	5.6	74.2		0	14.3	No Comment
GMP-13S	weekly	12/19/2013	0.1	2.4	77.2		-0.14	14.4	No Comment
GMP-13S	weekly	12/27/2013	0.4	5.6	76.5		-0.11	14.9	No Comment
GMP-14D	weekly	11/7/2013	80.2	9.8	0.3	9.7	0.95	8.8	No Comment
GMP-14D	weekly	11/14/2013	44.5	7.2	8.7	39.6	0.76	9	No Comment
GMP-14D	weekly	11/21/2013	77.5	8.1	1.3	13.1	0.97	8.7	No Comment
GMP-14D	weekly	11/29/2013	65.6	11.1	2.9	20.4	1.18	9.1	No Comment
GMP-14D	weekly	12/7/2013	76.6	8.8	1.7	12.9	0.68	8.9	No Comment
GMP-14D	weekly	12/11/2013	78.8	10.7	9.2		1.01	8.7	No Comment
GMP-14D	weekly	12/19/2013	81.2	8	9.4		-2.8	9	No Comment
GMP-14D	weekly	12/27/2013	75.8	10.1	11.9		1.3	8.9	No Comment
GMP-14S	weekly	11/7/2013	32.1	16.5	10	41.4	-0.01	9.23	No Comment
GMP-14S	weekly	11/14/2013	16	14.8	14.8	54.4	0.01	8.97	No Comment
GMP-14S	weekly	11/21/2013	8.3	6.5	18	67.2	0	9.2	No Comment
GMP-14S	weekly	11/29/2013	16.4	4.6	17.1	61.9	0.06	9	No Comment
GMP-14S	weekly	12/7/2013	12.4	4.3	17.8	65.5	0.04	8.7	No Comment
GMP-14S	weekly	12/11/2013	9.7	4.5	66.8		0	9.6	No Comment
GMP-14S	weekly	12/19/2013	5.4	5	69.8		-0.1	9.4	No Comment
GMP-14S	weekly	12/27/2013	11.2	5.1	66.7		0.03	10.1	No Comment
GMP-15D	weekly	11/7/2013	0	3.7	20	76.3	-0.11	13	No Comment
GMP-15D	weekly	11/14/2013	0	3.2	21.2	75.6	0.01	13.3	No Comment
GMP-15D	weekly	11/21/2013	0	4.6	19.8	75.6	0.04	13.2	No Comment
GMP-15D	weekly	11/29/2013	0	4.7	20.4	74.9	0.18	13.9	No Comment

Gas Monitoring Probe Data - Compliance Probes

Bridgeton Landfill

11/7/2013 - 12/27/2013

Point Name	Frequency	Date	Methane	CO2	Balance	Pressure	Rel. Pressure	Depth to Water (ft)	Comment
GMP-15D	weekly	12/7/2013	0	4.7	17.9	77.4	0.08	14.3	No Comment
GMP-15D	weekly	12/11/2013	0	4.2	74.6		-0.13	13.8	No Comment
GMP-15D	weekly	12/19/2013	0	3.6	75.2		-0.09	13	No Comment
GMP-15D	weekly	12/27/2013	0	2.9	77.8		0.28	14.3	No Comment
GMP-15S	weekly	11/7/2013	0	6.8	15.4	77.8	-0.01	12.55	No Comment
GMP-15S	weekly	11/14/2013	0	2.9	17.2	79.9	0.03	12.6	No Comment
GMP-15S	weekly	11/21/2013	0	5.5	16.4	78.1	0	12.7	No Comment
GMP-15S	weekly	11/29/2013	0	2.8	17.8	79.4	0	12.8	No Comment
GMP-15S	weekly	12/7/2013	0	4.2	16.9	78.9	0.01	13.1	No Comment
GMP-15S	weekly	12/11/2013	0	4.5	77.1		0	13.3	No Comment
GMP-15S	weekly	12/19/2013	0	3.4	77.9		0.06	12.6	No Comment
GMP-15S	weekly	12/27/2013	0	1.9	79.8		0.01	13.9	No Comment
GMP-16D	weekly	11/7/2013	0	10.1	13.9	76	-0.08	10.9	No Comment
GMP-16D	weekly	11/14/2013	0	7.2	18.2	74.6	-0.04	10.6	No Comment
GMP-16D	weekly	11/21/2013	0	5.8	18.2	76	0	11.2	No Comment
GMP-16D	weekly	11/29/2013	0	9.6	12	78.4	0.02	10.4	No Comment
GMP-16D	weekly	12/7/2013	0	6.3	19.2	74.5	0	10.5	No Comment
GMP-16D	weekly	12/11/2013	0	5.8	73.2		0	11.5	No Comment
GMP-16D	weekly	12/19/2013	0	6.6	73.9		-0.09	10.6	No Comment
GMP-16D	weekly	12/27/2013	0	8.2	74.9		0.1	11.8	No Comment
GMP-16S	weekly	11/7/2013	0	13.1	5.5	81.4	-0.03	10.85	No Comment
GMP-16S	weekly	11/14/2013	0	8.2	7.8	84	-0.13	10.5	No Comment
GMP-16S	weekly	11/21/2013	0	4.3	9.6	86.1	0	11.2	No Comment
GMP-16S	weekly	11/29/2013	0	6.8	9.4	83.8	0.06	10.1	No Comment
GMP-16S	weekly	12/7/2013	0	7.1	10.2	82.7	0.07	11	No Comment
GMP-16S	weekly	12/11/2013	0	8.7	80.6		-0.02	11.5	No Comment
GMP-16S	weekly	12/19/2013	0	6.4	81.5		0.04	10.6	No Comment
GMP-16S	weekly	12/27/2013	0	7.4	80.9		0.03	11.7	No Comment
GMP-4D	weekly	11/7/2013	0.1	1.3	21.3	77.3	-0.04	11	No Comment
GMP-4D	weekly	11/14/2013	0	0.5	20.2	79.3	0.13	11.22	No Comment
GMP-4D	weekly	11/21/2013	0	1.8	21.1	77.1	0.07	11.3	No Comment
GMP-4D	weekly	11/29/2013	0.1	1.6	21.7	76.6	0.14	11.3	No Comment
GMP-4D	weekly	12/7/2013	0.2	1.8	21.3	76.7	0.03	11	No Comment
GMP-4D	weekly	12/11/2013	0.3	2.2	75.5		-0.07	11.6	No Comment

Gas Monitoring Probe Data - Compliance Probes

Bridgeton Landfill

11/7/2013 - 12/27/2013

Point Name	Frequency	Date	Methane	CO2	Balance	Pressure	Rel. Pressure	Depth to Water (ft)	Comment
GMP-4D	weekly	12/19/2013	0.1	0.6	77.2		-0.16	11.7	No Comment
GMP-4D	weekly	12/27/2013	0.1	1.4	78.3		0.16	11.9	No Comment
GMP-4S	weekly	11/7/2013	7.8	1.8	17.1	73.3	-0.01	10.9	No Comment
GMP-4S	weekly	11/14/2013	3.5	1.3	21	74.2	0.01	10.62	No Comment
GMP-4S	weekly	11/21/2013	5.6	2.9	17.2	74.3	0.03	11	No Comment
GMP-4S	weekly	11/29/2013	9.5	1.8	16.5	72.2	0.06	10.5	No Comment
GMP-4S	weekly	12/7/2013	11	3.2	14.9	70.9	0.04	10.3	No Comment
GMP-4S	weekly	12/11/2013	12	3.6	69.1		0.03	11.6	No Comment
GMP-4S	weekly	12/19/2013	16	2.4	67.5		0.13	11.2	No Comment
GMP-4S	weekly	12/27/2013	18.9	2.5	66.6		0.01	12.3	No Comment
GMP-5D	weekly	11/7/2013	0.2	7.5	19	73.3	-0.02	23.1	No Comment
GMP-5D	weekly	11/14/2013	0	6.3	20.2	73.5	-0.02	23.12	No Comment
GMP-5D	weekly	11/21/2013	0	3.2	20.3	76.5	0	23.4	No Comment
GMP-5D	weekly	11/29/2013	0	5.9	20.3	73.8	0	23.9	No Comment
GMP-5D	weekly	12/7/2013	0	5.5	19.6	74.9	0.06	23.1	No Comment
GMP-5D	weekly	12/11/2013	0.1	7	72.5		-0.01	23.1	No Comment
GMP-5D	weekly	12/19/2013	0.1	3.8	74.6		-0.14	23	No Comment
GMP-5D	weekly	12/27/2013	0.1	6.7	74.2		0.03	22	No Comment
GMP-5S	weekly	11/7/2013	22.7	54.9	2.9	19.5	0.29	16.5	No Comment
GMP-5S	weekly	11/14/2013	20.4	46.6	5.5	27.5	0	17	No Comment
GMP-5S	weekly	11/21/2013	10.2	25.7	12.1	52	0	17.1	No Comment
GMP-5S	weekly	11/29/2013	10.2	39.7	6.1	44	-0.03	16.7	No Comment
GMP-5S	weekly	12/7/2013	11.8	42.5	4.6	41.1	0.03	17.1	No Comment
GMP-5S	weekly	12/11/2013	12.4	40.7	41.8		-0.01	17	No Comment
GMP-5S	weekly	12/19/2013	13.7	49.2	35		-0.15	17.3	No Comment
GMP-5S	weekly	12/27/2013	23.1	46.3	28.6		0.04	16.9	No Comment
GMP-6D	weekly	11/7/2013	0.1	0.8	21.3	77.8	-0.05	14.5	No Comment
GMP-6D	weekly	11/14/2013	0	1	21.9	77.1	0.11	14.51	No Comment
GMP-6D	weekly	11/21/2013	0	1.4	20.6	78	0	14.7	No Comment
GMP-6D	weekly	11/29/2013	0	2.2	21.6	76.2	0.05	14.3	No Comment
GMP-6D	weekly	12/7/2013	0.1	1.2	21.5	77.2	-0.01	13.9	No Comment
GMP-6D	weekly	12/11/2013	0.1	1.6	76.2		0	15.2	No Comment
GMP-6D	weekly	12/19/2013	0	1	76.9		-0.11	14.8	No Comment
GMP-6D	weekly	12/27/2013	0	1.5	78.2		0.04	14.9	No Comment

Gas Monitoring Probe Data - Compliance Probes
11/7/2013 - 12/27/2013

Bridgeton Landfill

Point Name	Frequency	Date	Methane	CO2	Balance	Pressure	Rel. Pressure	Depth to Water (ft)	Comment
GMP-6S	weekly	11/7/2013	0.4	2.1	12	85.5	0.07	12.8	No Comment
GMP-6S	weekly	11/14/2013	0.2	1.5	16	82.3	0	12.77	No Comment
GMP-6S	weekly	11/21/2013	0.1	1.6	15.3	83	0.01	12.9	No Comment
GMP-6S	weekly	11/29/2013	0.4	4.1	11.2	84.3	0.07	12.9	No Comment
GMP-6S	weekly	12/7/2013	0.5	3.3	10.3	85.9	0.03	13.4	No Comment
GMP-6S	weekly	12/11/2013	0.5	3.4	85.2		0.02	13.1	No Comment
GMP-6S	weekly	12/19/2013	0.4	2.9	89.3		-0.03	13	No Comment
GMP-6S	weekly	12/27/2013	0.3	2.4	84.1		0.04	13.6	No Comment
GMP-7D	weekly	11/7/2013	0	3.3	20.9	75.8	-1.8	20	No Comment
GMP-7D	weekly	11/14/2013	0	4.3	21.2	74.5	-0.02	20.2	No Comment
GMP-7D	weekly	11/21/2013	0	3.9	20.2	75.9	0	21	No Comment
GMP-7D	weekly	11/29/2013	0	6.9	19.6	73.5	0.08	21	No Comment
GMP-7D	weekly	12/7/2013	0	4.7	19.6	75.7	0.01	20.6	No Comment
GMP-7D	weekly	12/11/2013	0	5.4	84.7		-0.02	21.2	No Comment
GMP-7D	weekly	12/19/2013	0	3.4	76.6		0.04	20.5	No Comment
GMP-7D	weekly	12/27/2013	0	4	77.8		0.05	22	No Comment
GMP-7S	weekly	11/7/2013	0	6.3	2.7	91	12.09	18.6	No Comment
GMP-7S	weekly	11/14/2013	0	5.1	4.2	90.7	0	18.8	No Comment
GMP-7S	weekly	11/21/2013	0	4.4	3.8	91.8	2.68	unable to obtain	Can't remove sample port
GMP-7S	weekly	11/29/2013	0	8.2	4.4	87.4	0.02	unable to obtain	Can't remove sample port
GMP-7S	weekly	12/7/2013	0	5.7	7.9	86.4	0	unable to obtain	Can't remove sample port
GMP-7S	weekly	12/11/2013	0	5.4	89.9		0	unable to obtain	excessive pressure
GMP-7S	weekly	12/19/2013	0	4.9	89.8		10.08	unable to obtain	can't remove sample port
GMP-7S	weekly	12/27/2013	0	6.2	77		0.1	unable to obtain	can't remove sample port

TABLE 3

SENTRY GAS MONITORING PROBE DATA

NOVEMBER 7, 2013 – DECEMBER 27, 2013

Gas Monitoring Probe Data - Sentry Probes

Bridgeton Landfill

11/7/2013 - 12/27/2013

Point Name	Frequency	Date	Methane	CO2	Balance	Pressure	Rel. Pressure	Depth to Water (ft)	Comment
GMP-04	quarterly	11/14/2013	23.3	64.2	0.7	11.8	128.19	Unable to obtain	excessive pressure
GMP-05	quarterly	11/29/2013	55.1	41.2	0	3.7	3.24	12.4	No Comment
GMP-06	quarterly	11/29/2013	27.8	63.3	0.5	8.4	0.06	12.9	No Comment
GMP-07	quarterly	11/14/2013	2	21.2	4.5	72.3	0.03	26.35	No Comment

TABLE 4

TEMPORARY GAS MONITORING PROBE DATA

NOVEMBER 7, 2013 – DECEMBER 27, 2013

Gas Monitoring Probe Data - Investigative Probes
11/7/2013 - 12/27/2013

Bridgeton Landfill

Point Name	Frequency	Date	Methane	CO2	Balance	Pressure	Rel. Pressure	Depth to Water (ft)	Comment
TMP-1D	weekly	11/7/2013	0.6	8.8	18.7	71.9	0.44	20.2	No Comment
TMP-1D	weekly	11/14/2013	0.5	6.1	22.1	71.3	0.89	19.77	No Comment
TMP-1D	weekly	11/21/2013	0.1	0.8	21.4	77.7	0.48	20.5	No Comment
TMP-1D	weekly	11/29/2013	0.6	4.4	21.1	73.9	0.95	19.8	No Comment
TMP-1D	weekly	12/7/2013	0.3	4.7	20.6	74.4	1.02	20	No Comment
TMP-1D	weekly	12/11/2013	0.3	1.9	76.1		1.03	21	No Comment
TMP-1D	weekly	12/19/2013	0.3	3.2	74.9		0.71	20.5	No Comment
TMP-1D	weekly	12/27/2013	0.4	7.9	72.5		0.58	21	No Comment
TMP-1M	weekly	11/7/2013	3.1	31.1	10.5	55.3	0.04	20.2	No Comment
TMP-1M	weekly	11/14/2013	0.4	12.2	19.8	67.6	-0.01	20.4	No Comment
TMP-1M	weekly	11/21/2013	0.3	7.9	19.7	72.1	0	20.5	No Comment
TMP-1M	weekly	11/29/2013	0.3	8.3	20.2	71.2	0.03	20.7	No Comment
TMP-1M	weekly	12/7/2013	0.3	8.8	19.7	71.2	0.02	20.3	No Comment
TMP-1M	weekly	12/11/2013	0.1	3.8	74.8		0	21.4	No Comment
TMP-1M	weekly	12/19/2013	0.3	7.1	72		-0.16	20.7	No Comment
TMP-1M	weekly	12/27/2013	0.5	12.8	69.1		-0.06	21.4	No Comment
TMP-1S	weekly	11/7/2013	33.8	58.9	0	7.3	0.28	19.75	No Comment
TMP-1S	weekly	11/14/2013	32.3	55.2	0.1	12.4	0.11	19.6	No Comment
TMP-1S	weekly	11/21/2013	32.7	62.1	0	5.2	0.02	20	No Comment
TMP-1S	weekly	11/29/2013	30.2	59.4	1	9.4	0.14	19.5	No Comment
TMP-1S	weekly	12/7/2013	32.1	63.4	0	4.5	0.09	19.1	No Comment
TMP-1S	weekly	12/11/2013	29	58	11.8		0.01	20.8	No Comment
TMP-1S	weekly	12/19/2013	28.6	62.8	7.6		0.57	20.1	No Comment
TMP-1S	weekly	12/27/2013	30.1	56.1	13		0.25	20.3	No Comment
TMP-2D	weekly	11/7/2013	29.3	25.2	8.4	37.1	0.55	15.4	No Comment
TMP-2D	weekly	11/14/2013	3.3	4	22.3	70.4	0.41	15.41	No Comment
TMP-2D	weekly	11/21/2013	55.5	36	1.3	7.2	6.23	20.8	No Comment
TMP-2D	weekly	11/29/2013	41.4	28.6	6	24	10.9	16	No Comment
TMP-2D	weekly	12/7/2013	13	13.1	16.2	57.7	1.26	15.9	No Comment
TMP-2D	weekly	12/11/2013	39.6	28.9	25.3		9.9	21.6	No Comment
TMP-2D	weekly	12/19/2013	5.1	4.5	70		0.39	16.6	No Comment
TMP-2D	weekly	12/27/2013	60.4	36.3	3.2		85.53	22	No Comment
TMP-2M	weekly	11/7/2013	7.7	8.9	17.6	65.8	0.27	14.43	No Comment
TMP-2M	weekly	11/14/2013	4.1	4.7	21.9	69.3	0.2	15.38	No Comment

Gas Monitoring Probe Data - Investigative Probes
11/7/2013 - 12/27/2013

Bridgeton Landfill

Point Name	Frequency	Date	Methane	CO2	Balance	Pressure	Rel. Pressure	Depth to Water (ft)	Comment
TMP-2M	weekly	11/21/2013	3.5	7.8	19.1	69.6	0	17.1	No Comment
TMP-2M	weekly	11/29/2013	1.4	3.2	21.3	74.1	0.03	15.2	No Comment
TMP-2M	weekly	12/7/2013	10.9	10.5	17.2	61.4	0.51	15.3	No Comment
TMP-2M	weekly	12/11/2013	1.3	2.9	74.5		0.02	16.8	No Comment
TMP-2M	weekly	12/19/2013	7.8	7.3	65.8		0.51	16.5	No Comment
TMP-2M	weekly	12/27/2013	1.9	4	74.1		-0.01	17.1	No Comment
TMP-2S	weekly	11/7/2013	2.7	4.4	18	74.9	0.09	14.25	No Comment
TMP-2S	weekly	11/14/2013	16.8	38.2	10.8	34.2	0	14.55	No Comment
TMP-2S	weekly	11/21/2013	19.7	74.5	0	5.8	0.03	16	No Comment
TMP-2S	weekly	11/29/2013	5.2	4.5	18.8	71.5	0.02	14.7	No Comment
TMP-2S	weekly	12/7/2013	26.2	48.5	4	21.3	0.06	15	No Comment
TMP-2S	weekly	12/11/2013	3.4	2.6	73.2		0	16.4	No Comment
TMP-2S	weekly	12/19/2013	0.1	11.6	74.4		-0.08	16.3	No Comment
TMP-2S	weekly	12/27/2013	40.1	31.1	23.7		0	16	No Comment
TMP-3D	weekly	11/7/2013	44.9	50.9	0	4.2	73.16	unable to obtain	excessive pressure
TMP-3D	weekly	11/14/2013	46.8	46.6	0	6.6	170.74	unable to obtain	excessive pressure
TMP-3D	weekly	11/21/2013	47.2	47.6	0	5.2	178.21	unable to obtain	excessive pressure
TMP-3D	weekly	11/29/2013	53.5	44.9	0	1.6	96.5	unable to obtain	excessive pressure
TMP-3D	weekly	12/7/2013	51.2	48	0	0.8	130.07	unable to obtain	excessive pressure
TMP-3D	weekly	12/11/2013	43.4	50.7	5.9		58.54	unable to obtain	excessive pressure
TMP-3D	weekly	12/19/2013	28	31.1	32.1		4.03	unable to obtain	excessive pressure
TMP-3D	weekly	12/27/2013	39.3	44.4	14.3		0.14	unable to obtain	excessive pressure
TMP-3M	weekly	11/7/2013	42.3	52.8	0	4.9	161.71	unable to obtain	excessive pressure
TMP-3M	weekly	11/14/2013	45.7	47.2	0	7.1	197.75	unable to obtain	excessive pressure
TMP-3M	weekly	11/21/2013	49.1	47.7	0	3.2	177.01	unable to obtain	excessive pressure
TMP-3M	weekly	11/29/2013	41.7	53.9	0	4.4	131.59	unable to obtain	excessive pressure
TMP-3M	weekly	12/7/2013	44.2	52.8	0	3	174.65	unable to obtain	excessive pressure
TMP-3M	weekly	12/11/2013	42.2	52.2	5.6		147.53	unable to obtain	excessive pressure
TMP-3M	weekly	12/19/2013	44.4	51.5	4.1		184.38	unable to obtain	excessive pressure
TMP-3M	weekly	12/27/2013	47.1	45.6	7.3		169.97	unable to obtain	excessive pressure
TMP-3S	weekly	11/7/2013	48	47	0	5	9.74	unable to obtain	excessive pressure
TMP-3S	weekly	11/14/2013	48.7	43.3	0.8	7.2	29.87	unable to obtain	excessive pressure
TMP-3S	weekly	11/21/2013	48.4	48.1	0.1	3.4	1.9	unable to obtain	excessive pressure
TMP-3S	weekly	11/29/2013	47.5	49.2	0.1	3.2	0.51	unable to obtain	excessive pressure

Gas Monitoring Probe Data - Investigative Probes
11/7/2013 - 12/27/2013

Bridgeton Landfill

Point Name	Frequency	Date	Methane	CO2	Balance	Pressure	Rel. Pressure	Depth to Water (ft)	Comment
TMP-3S	weekly	12/7/2013	47	49.4	0	3.6	10.99	unable to obtain	excessive pressure
TMP-3S	weekly	12/11/2013	46.7	47.4	5.8		5.2	unable to obtain	excessive pressure
TMP-3S	weekly	12/19/2013	45	50.9	4.1		18.3	unable to obtain	excessive pressure
TMP-3S	weekly	12/27/2013	47.6	45.6	6.3		32.05	unable to obtain	excessive pressure

TABLE 5

PUBLIC SAFETY GAS MONITORING PROBE DATA

NOVEMBER 7, 2013 – DECEMBER 27, 2013

Gas Monitoring Probe Data - Public Safety Probes
11/7/2013 - 12/27/2013

Bridgeton Landfill

Point Name	Frequency	Date	Methane	CO2	Balance	Pressure	Rel. Pressure	Depth to Water (ft)	Comment
4ASS	weekly	11/7/2013	0.2	2.3	19.3	78.2	-0.31	5.1	No Comment
4ASS	weekly	11/14/2013	0.1	4	21.8	74.1	-2.18	4.9	No Comment
4ASS	weekly	11/21/2013	0	2.5	19.3	78.2	-5.64	5.2	No Comment
4ASS	weekly	11/29/2013	0			M		NA	No Comment
4ASS	weekly	12/7/2013	0	1.1	20.8	78.1	-0.57	5.1	No Comment
4ASS	weekly	12/11/2013	0	3.3	76.2		-7.66	5.6	No Comment
4ASS	weekly	12/19/2013	0	4	76.5		-15.94	5.3	No Comment
4ASS	weekly	12/27/2013	0	3.2	77.7		-6.43	6.1	No Comment
4OSS	weekly	11/7/2013	0	3	19.2	77.8	5.56	7.71	No Comment
4OSS	weekly	11/14/2013	0	3	22	75	-3.61	7.9	No Comment
4OSS	weekly	11/21/2013	0	4.4	19.2	76.4	-14.01	8.8	No Comment
4OSS	weekly	11/29/2013	0			M		NA	No Comment
4OSS	weekly	12/7/2013	0	1.7	20.2	78.1	-15.35	7.6	No Comment
4OSS	weekly	12/11/2013	0	2.6	76		-14.25	9.1	No Comment
4OSS	weekly	12/19/2013	0	4.1	75.8		-3.27	9.4	No Comment
4OSS	weekly	12/27/2013	0	3	78.1		-6.25	10	No Comment
GMP-09	weekly	11/7/2013	0	0.1	21	78.9	-10.64	7.85	No Comment
GMP-09	weekly	11/14/2013	0	2.1	20.4	77.5	-4.15	8.3	No Comment
GMP-09	weekly	11/21/2013	0	1	21.4	77.6	-5.95	8.3	No Comment
GMP-09	weekly	11/29/2013	0.1	1.8	22.2	75.9	-7.71	8.1	No Comment
GMP-09	weekly	12/7/2013	0.2	1	21.6	77.2	-50.65	8.5	No Comment
GMP-09	weekly	12/11/2013	0.2	4.6	74		-16.05	9.2	No Comment
GMP-09	weekly	12/19/2013	0	2.2	76.2		3.74	9.2	No Comment
GMP-09	weekly	12/27/2013	0.1	3	76.2		-5.05	10	No Comment
GMP-10	weekly	11/7/2013	0	0.1	11	88.9	-7.72	3.82	No Comment
GMP-10	weekly	11/14/2013	0	1.5	18.3	80.2	0.6	4.1	No Comment
GMP-10	weekly	11/21/2013	0	0.9	17.3	81.8	-8.33	4.8	No Comment
GMP-10	weekly	11/29/2013	0	2.7	20.8	76.5	0.04	4.2	No Comment
GMP-10	weekly	12/7/2013	0	0.9	21.3	77.8	0	4.5	No Comment
GMP-10	weekly	12/11/2013	0	3	75.1		0.01	6	No Comment
GMP-10	weekly	12/19/2013	0	1.3	77.7		3.22	0	No Comment
GMP-10	weekly	12/27/2013	0	1.8	77.6		0.06	5.6	No Comment
GMP-11	weekly	11/7/2013	0	2.9	19.3	77.8	-15.32	0.4	No Comment
GMP-11	weekly	11/14/2013	0	2.6	22.1	75.3	-18.66	0.2	No Comment

Gas Monitoring Probe Data - Public Safety Probes
11/7/2013 - 12/27/2013

Bridgeton Landfill

Point Name	Frequency	Date	Methane	CO2	Balance	Pressure	Rel. Pressure	Depth to Water (ft)	Comment
GMP-11	weekly	11/21/2013	0	4.5	19.2	76.3	0.24	1.8	No Comment
GMP-11	weekly	11/29/2013	0	1.6	21	77.4	-7.11	0.8	No Comment
GMP-11	weekly	12/7/2013	0.1	0.7	21.9	77.3	-21.51	0	No Comment
GMP-11	weekly	12/11/2013	1.1	0.1	76.5		-14.92	2.6	No Comment
GMP-11	weekly	12/19/2013	0	4.1	75.6		14.02	0	No Comment
GMP-11	weekly	12/27/2013	0	3.6	75.9		0	0	No Comment
GMP-12	weekly	11/7/2013	0	2.5	19.5	78	-4.51	0	No Comment
GMP-12	weekly	11/14/2013	0	3.1	22.5	74.4	-6.89	0	No Comment
GMP-12	weekly	11/21/2013	0	3.4	20.3	76.3	0.8	0	No Comment
GMP-12	weekly	11/29/2013	0	1.6	20.7	77.7	-10.4	0	No Comment
GMP-12	weekly	12/7/2013	0.2	0.7	21.8	77.3	-22.36	0	No Comment
GMP-12	weekly	12/11/2013	0	0.1	77.2		-0.06	0.2	No Comment
GMP-12	weekly	12/19/2013	0	2.2	73.1		-2.49	0	No Comment
GMP-12	weekly	12/27/2013	0	4	75.7		0.58	0	No Comment

ATTACHMENT 5

Daily air monitoring odor data

DayTime	Location	Site Name	Odor < >	Odor Dilution	ID	H2S ppm	Benzene ppm	Complaint and Odor Desc	Staff	Day	Day Group
5/6/2013 8:21	H	Turner Farm	>	7.00	221	0.00000	0.00	Landfill odor	MK	1	1
5/6/2013 8:37	H	Turner Farm	>	7.00	222	0.00000	0.00	Landfill odor	MK	1	1
5/10/2013 8:20	H	Turner Farm	>	60.00	268	0.00364	0.00	Strong Landfill odor	JB	2	2
5/10/2013 8:40	H	Turner Farm	>	60.00	269	0.00000	0.00	Strong Landfill odor	JB	2	2
5/10/2013 17:55	H	Turner Farm	>	15.00	280	0.00000	0.00	Landfill odor	JB	3	2
5/10/2013 18:20	H	Turner Farm	>	60.00	281	0.00000	0.00	Strong Landfill odor	JB	3	2
5/11/2013 10:00	L	MDNR Trailer	>	60.00	296	0.00000	0.00	Strong Landfill odor	JB	4	3
5/11/2013 10:45	L	MDNR Trailer	>	60.00	297	0.03670	0.00	Strong Landfill odor	JB	4	3
5/11/2013 15:05	H	Turner Farm	>	60.00	304	0.00000	0.00	Strong Landfill odor	JB	5	3
5/11/2013 16:04	H	Turner Farm	>	60.00	305	0.00496	0.00	Strong Landfill odor	JB	5	3
5/12/2013 10:20	H	Turner Farm	>	15.00	316	0.00394	0.00	Mild Landfill odor	JB	6	4
5/12/2013 11:11	H	Turner Farm	>	60.00	317	0.00575	0.00	Strong Landfill odor	JB	6	4
5/12/2013 15:21	H	Turner Farm	>	7.00	328	0.00401	0.00	Landfill odor	JB	7	4
5/12/2013 16:10	H	Turner Farm	>	60.00	329	0.00464	0.00	Strong Landfill odor	JB	7	4
5/14/2013 9:36	K	NW Auto Body	>	7.00	383	0.00445	0.00	Landfill odor	JM	8	5
5/14/2013 10:33	K	NW Auto Body	>	15.00	384	0.00450	0.00	Landfill odor	JM	8	5
5/15/2013 16:52	K	NW Auto Body	>	60.00	419	0.00480	0.00	Strong Landfill odor	JM	9	6
5/15/2013 17:52	K	NW Auto Body	>	60.00	420	0.00540	0.00	Strong Landfill odor	JM	9	6
5/16/2013 9:19	K	NW Auto Body	>	7.00	1504	0.00301	0.00	Landfill odor	JM	10	7
5/16/2013 10:18	K	NW Auto Body	>	7.00	1505	0.00450	0.00	Landfill odor	JM	10	7
5/17/2013 15:25	G	Materialogic	>	60.00	1533	0.00540	0.00	Strong Landfill odor	JM	11	8
5/17/2013 16:00	G	Materialogic	>	7.00	1540	0.00580	0.00	Mild Landfill odor	JM	11	8
5/22/2013 10:22	9	Ceiling Supply	>	60.00	566	0.00419	0.00	Strong Landfill odor	JB	12	9
5/22/2013 10:34		12964-B St Charles Rock Road	>	15.00	603	0.00386	0.00	Landfill odor	JB	12	9
5/22/2013 12:25		west side Borrow Pond	>	60.00	610	0.00546	0.00	Strong Landfill odor	JB	13	9
5/22/2013 12:46	9	Ceiling Supply	>	7.00	578	0.00596	0.00	Light Landfill odor	JB	13	9
5/23/2013 12:38		122 Terrisan - trailer park	>	7.00	684	0.00000	0.00	Strong Landfill odor - Breath Taking	MK	14	10
5/23/2013 12:43		87 Bing - trailer park	>	7.00	726	0.00000	0.00	Strong Landfill odor - Breath Taking	MK	14	10
5/24/2013 11:02	G	Materialogic	>	60.00	794	0.00636	0.00	Strong Landfill odor	MK	15	11
5/24/2013 11:15		13209 Cndeon	>	15.00	796	0.00503	0.00	Landfill odor	MK	15	11
5/24/2013 11:45	M	Forshaw Parking Lot	>	15.00	799	0.00402	0.00	Landfill odor	MK	16	11
5/24/2013 12:15	M	Forshaw Parking Lot	>	60.00	801	0.00689	0.00	Strong Landfill odor	MK	16	11
5/24/2013 11:50	G	Materialogic	>	60.00	800	0.00681	0.00	Strong Landfill odor	MK	17	11
5/24/2013 12:30	G	Materialogic	>	15.00	802	0.00652	0.00	Landfill odor	MK	17	11
5/25/2013 11:45		MayFlower	>	15.00	857	0.00619	0.00	Strong Landfill odor	MK	18	12
5/25/2013 12:00		MayFlower	>	7.00	858	0.00673	0.00	Landfill odor	MK	18	12
5/27/2013 13:21	K	NW Auto Body	>	15.00	983		0.00	Landfill odor	MK	19	13
5/27/2013 13:50	K	NW Auto Body	>	7.00	985	0.00481	0.00	Landfill odor		19	13
5/28/2013 18:32	A	Metro Paving	>	15.00	1011	0.00398	0.00	Landfill odor	MK	20	14
5/28/2013 18:53	A	Metro Paving	>	7.00	1022	0.00442	0.00	Landfill odor		20	14
6/9/2013 14:41	K	NW Auto Body	>	7.00	1658	0.00638	0.00	Strong Landfill odor	JB	21	15
6/9/2013 15:57	K	NW Auto Body	>	7.00	1662	0.00679	0.00	Strong Landfill odor	JB	21	15
6/10/2013 7:00		Virbac - 1301 St. charles Roak Road	>	7.00	1676	0.00338	0.00	Landfill odor	MK	22	16
6/10/2013 7:19		Virbac - 1301 St. charles Roak Road	>	7.00	1678	0.00353	0.00	Landfill odor	MK	22	16

6/10/2013 14:58	H	Turner Farm	>	60.00	1686	0.00572	0.00	Very Strong Landfill odor - Burn Eyes	MK	23	16
6/10/2013 15:28		Turner Farm	>	7.00	1694	0.00596	0.00	Landfill odor	MK	23	16
6/22/2013 9:19	K	NW Auto	>	7.00	2043	0.00512	0.00	Landfill Odor	JAM	24	17
6/22/2013 10:03	K	NW Auto	>	7.00	2048	0.00537	0.00	Landfill Odor	JAM	24	17
6/25/2013 9:35	K	NW Auto Body	>	7.00	2129	0.00464	0.00	Medium Heavy Landfill Odor	ZJM	25	18
6/25/2013 9:59	K	NW Auto Body	>	7.00	2136	0.00362	0.00	Medium Heavy Landfill Odor	ZJM	25	18
6/25/2013 14:27	K	NW Auto Body	>	7.00	2147	0.00509	0.00	Medium Heavy Landfill Odor	ZJM	26	18
6/25/2013 14:50	K	NW Auto Body	>	7.00	2149	0.00497	0.00	Medium Heavy Landfill Odor	ZJM	26	18
7/20/2013 7:30	K	NW Auto Body	>	15.00	2912	0.00	0.00	Landfill Odor - burn eye	MK	27	19
7/20/2013 7:45	K	NW Auto Body	>	7.00	2916	0.00	0.00	Landfill Odor	MK	27	19
7/27/2013 7:04	H	Turner Farm	>	15.00	3086	0.00	0.00	Landfill Odor	MK	28	20
7/27/2013 7:24	H	Turner Farm	>	15.00	3093	0.00	0.00	Landfill Odor	MK	28	20
10/6/2013 18:40	K	NW Auto Body	>	7.00	4972	0.00	0.00	Moderate landfill SSE odor	DFN	29	21
10/6/2013 19:03	K	NW Auto Body	>	7.00	4975	0.00	0.00	Moderate landfill SSE odor	DFN	29	21
10/18/2013 14:40	J	Gas Station - 12741 Saint Charles Rock Road	>	7.00	5323	0.00	0.00	Intermittent Strong Landfill Odor	CEC	30	22
10/18/2013 15:40	J	Gas Station - 12741 Saint Charles Rock Road	>	7.00	5329	0.00	0.00	Intermittent Strong Landfill Odor	CEC	30	22
10/19/2013 14:02	L	MDNR Trailer	>	15.00	5359	0.00	0.00	Intermittent Strong Landfill Odor	CEC	31	23
10/19/2013 14:40	L	MDNR Trailer	>	7.00	5363	0.00	0.00	Intermittent Strong Landfill Odor	CEC	31	23
10/19/2013 14:08	K	NW Auto Body	>	15.00	5358	0.00	0.00	Intermittent Strong Landfill Odor	CEC	32	23
10/19/2013 14:35	K	NW Auto Body	>	15.00	5362	0.00	0.00	Intermittent Strong Landfill Odor	CEC	32	23
10/20/2013 17:25		Virbac	>	15.00	5378	0.00	0.00	Intermittent Strong Landfill Odor	CEC	33	24
10/20/2013 18:12		Virbac	>	15.00	5393	0.00	0.00	Strong Landfill Odor	CEC	33	24
10/20/2013 17:35		Carrolton Substation - 3825 Taussig	>	7.00	5380	0.00	0.00	Intermittent Strong Landfill Odor		34	24
10/20/2013 18:21		Carrolton Substation - 3825 Taussig	>	15.00	5395	0.00	0.00	Strong Landfill Odor	CEC	34	24
10/20/2013 18:25	A	Metro Paving	>	7.00	5382	0.00	0.00	Strong Landfill Odor	CEC	35	24
10/20/2013 18:43	A	Metro Paving	>	15.00	5397	0.00	0.00	Strong Landfill Odor	CEC	35	24
10/21/2013 16:03	J	Gas Station - 12741 Saint Charles Rock Road	>	7.00	5499	0.00	0.00	Intermittent Strong Landfill Odor	CEC	36	25
10/21/2013 16:19	J	Gas Station - 12741 Saint Charles Rock Road	>	15.00	5500	0.00	0.00	Intermittent Strong Landfill Odor	CEC	36	25
12/16/2013 15:50	G	Materialogic	>	7.00	6835	0.00	0.00	Strong Leachate Odor	CEC	37	26
12/16/2013 16:21	G	Materialogic	>	15.00	6842	0.00	0.00	Strong Leachate Odor	CEC	37	26

12/17/2013 15:02	L	MDNR Trailer	>	7.00	6805	0.00	0.00	Strong Landfill and Leachate Odor	CEC	38	27
12/17/2013 15:54	L	MDNR Trailer	>	15.00	6817	0.00	0.00	Strong Landfill and Leachate Odor	CEC	38	27
12/25/2013 13:43		12964 B St. Charles Rock Road	>	7.00	6989	0.00	0.00	Strong landfill SSE odor	DFN	39	28
12/25/2013 14:35		12964 B St. Charles Rock Road	>	7.00	6990	0.00	0.00	Strong landfill SSE odor	DFN	39	28
12/27/2013 12:26	K	NW Auto Body	>	7.00	7037	0.00	0.00	Intermittent Strong Landfill Odor	CEC	40	29
12/27/2013 12:44	K	NW Auto Body	>	7.00	7039	0.00	0.00	Strong Landfill Odor	CEC	40	29
12/29/2013 20:02		D&E Automotive - 12812 Boenker Lane (in right-of-way)	>	7.00	7083	0.00	0.00	Intermittent Strong Leachate Odor	CEC	41	30
12/29/2013 20:49		D&E Automotive - 12812 Boenker Lane (in right-of-way)	>	7.00	7089	0.00	0.00	Intermittent Strong Leachate and Landfill Odor	CEC	41	30
12/29/2013 20:06		Total Care Dental - 12758 Boenker Lane	>	7.00	7088	0.00	0.00	Intermittent Strong Leachate and Landfill Odor	CEC	42	30
12/29/2013 20:54		Total Care Dental - 12758 Boenker Lane	>	7.00	7090	0.00	0.00	Intermittent Strong Leachate and Landfill Odor	CEC	42	30
12/30/2013 8:52	G	Materialogic	<	7.00	7097	0.00	0.00	Strong Leachate Odor	CEC	43	31
12/30/2013 9:50	G	Materialogic	>	15.00	7109	0.00	0.00	Strong Leachate and Landfill Odor	CEC	43	31
1/1/2014 19:15	G	Materialogic	>	7.00	7145	0.00	0.00	Strong Landfill and Leachate Odor	CEC	44	32
1/1/2014 20:01	G	Materialogic	>	7.00	7157	0.00	0.00	Intermittent Strong Landfill and Leachate Odor	CEC	44	32
1/8/2014 14:36	G	Materialogic	>	7.00	7252	0.01	0.00	Intermittent strong landfill odor	CEC	45	33
1/8/2014 15:31	G	Materialogic	>	7.00	7255	0.01	0.00	Strong landfill odor	CEC	45	33
1/18/2014 10:26	B	Jimmy John's	>	7.00	7512	0.00	0.00	Strong Odor	WS	46	34
1/18/2014 10:46	B	Jimmy John's	>	7.00	7522	0.00	0.00	Strong Odor	WS	46	34

ATTACHMENT 6

Subsided areas

Bridgeton Sanitary Landfill
February 11, 2014 Inspection

Missouri Department of Natural Resources
Division of Environmental Quality
St. Louis Regional Office

0 140 280 560 Feet

Legend

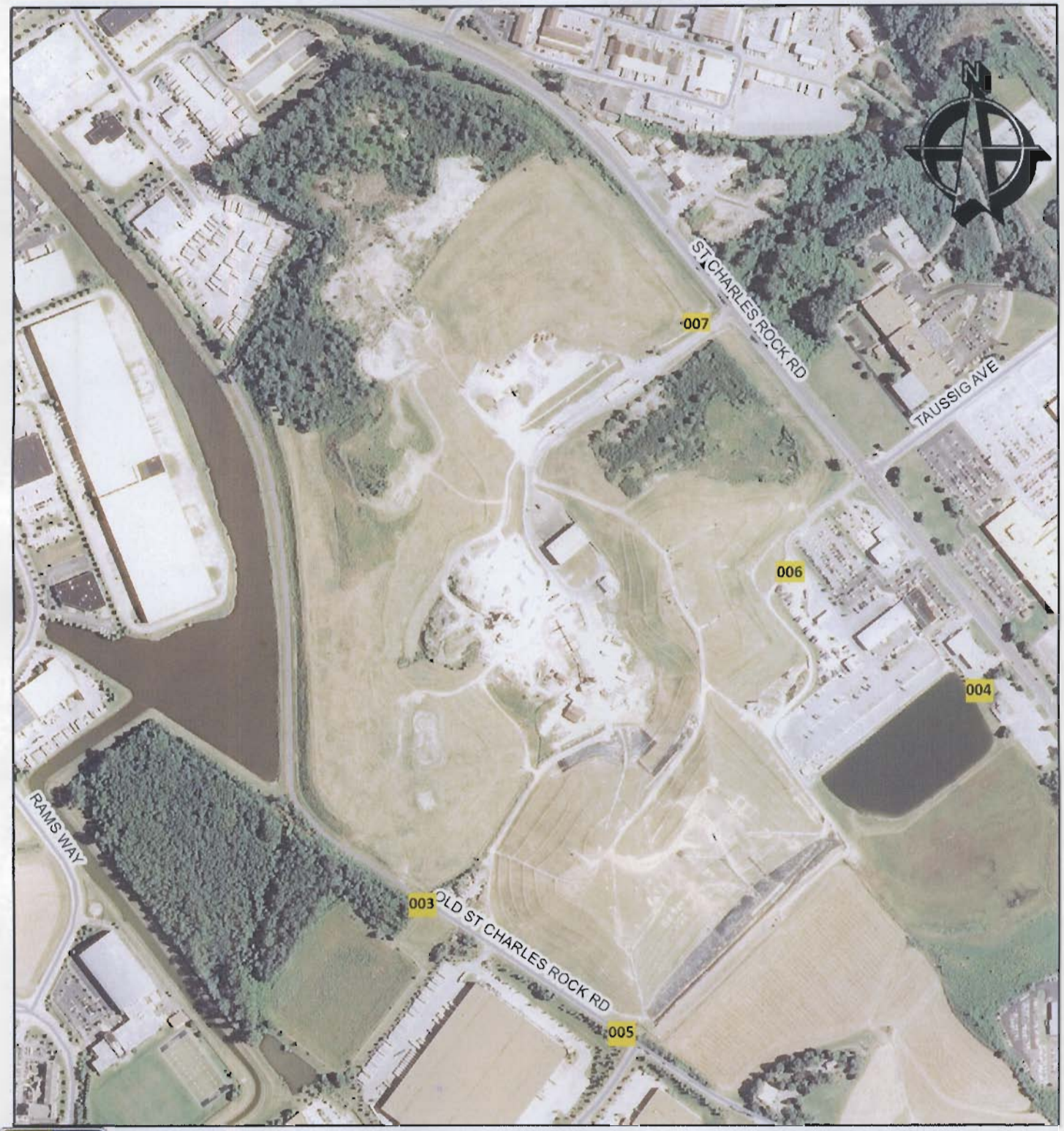
Waste Areas (approximate)

SC5 Subsided Areas

ATTACHMENT 7

Outfalls

Bridgeton Sanitary Landfill
February 11, 2014 Inspection



Missouri Department of Natural Resources
Division of Environmental Quality
St. Louis Regional Office

003 MSOP No. 0112771 permitted outfalls

0 250 500 1,000 Feet

ATTACHMENT 8

Quad check log sheets

LEGEND

BULK STORAGE CONTAINERS (ALL OUTDOORS)

1 – ABOVEGROUND DIESEL FUEL STORAGE TANK – 500 GAL
2 – ABOVEGROUND DIESEL FUEL STORAGE TANK – 500 GAL
3 – ABOVEGROUND DIESEL FUEL STORAGE TANK – 500 GAL
4 – ABOVEGROUND DIESEL FUEL STORAGE TANK – 500 GAL
5 – ABOVEGROUND DIESEL FUEL STORAGE TANK – 500 GAL
6 – ABOVEGROUND GASOLINE FUEL STORAGE TANK – 30 GAL
7 – PROPANE STORAGE TANK – 100 LB
8 – PROPANE STORAGE TANK – 100 LB
9 – PROPANE STORAGE TANK – 100 LB
10 – PROPANE STORAGE TANK – 100 LB
11 – PROPANE STORAGE TANK – 100 LB
– EXISTING YARD HYDRANT AND FIRE HYDRANT

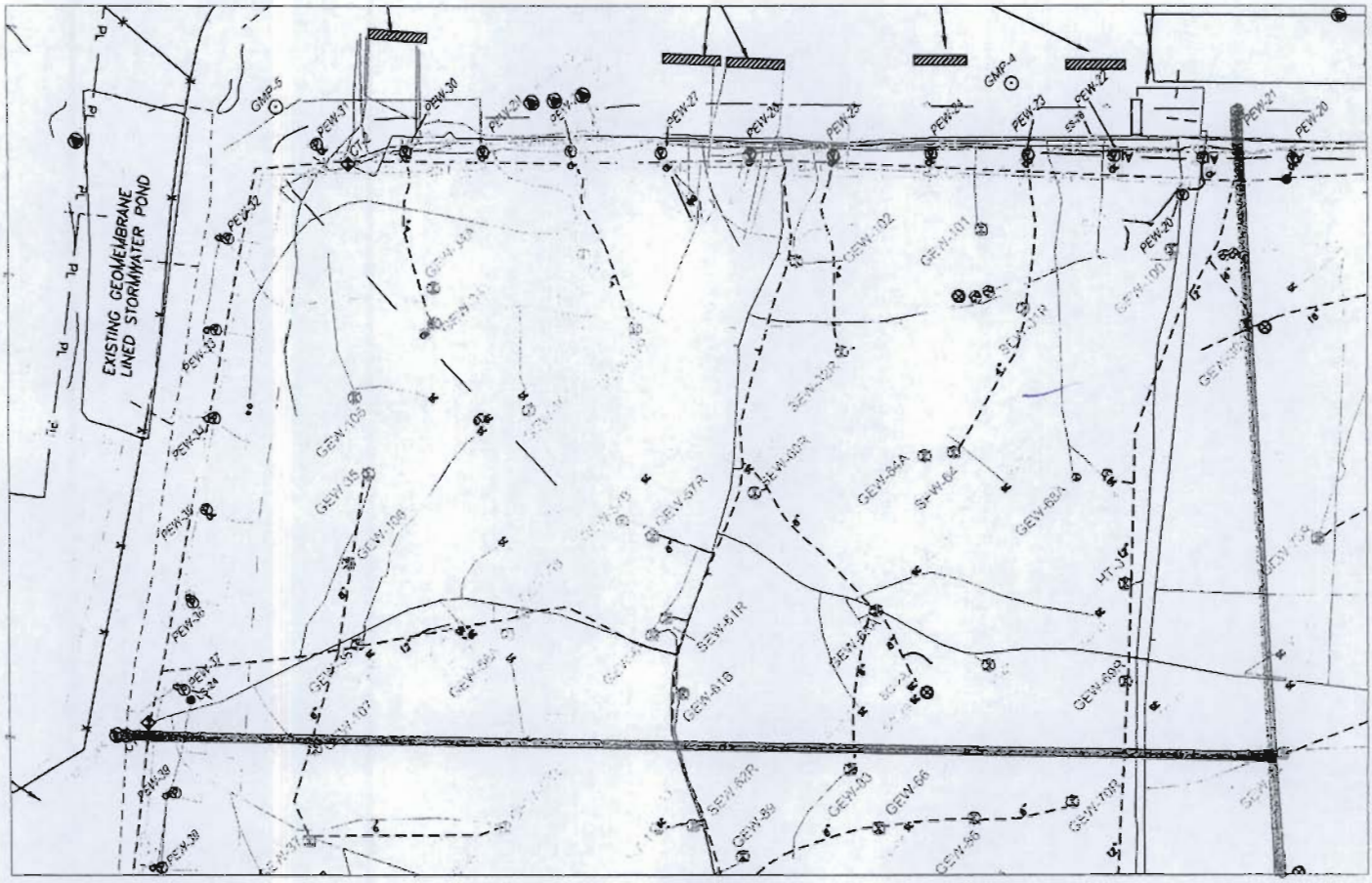
– NATURAL GAS LINE
– ABOVEGROUND ELECTRIC LINE
– POWER SUPPLY PANEL
– ON-SITE ALL-WEATHER ROADS AND STAGING AREAS ACCESSIBLE BY PUBLIC EMERGENCY RESPONSE
– ON-SITE ALL-WEATHER ROADS ACCESSIBLE BY BRIDGETON LANDFILL EQUIPMENT

INCIDENT MANAGEMENT PLAN (IMP)		BRIDGETON LANDFILL
SITE ACCESS AND OPERATIONS		
MAR. 2014	1" = 300'	FIGURE 3

Date: 2/6/14

Name: F. BOOTH

REPUBLIC SERVICES



Quadrant #3

Repairs

HT-2 STRESSED LEANING OVER

31R HAS SINK HOLE THAT'S GETTING LARGE

(GW) 105 HAS SINK HOLE

(GW) 36 STRESSED LEANING OVER

Odors

31R HAS ODOR COMING OUT OF SINK HOLE

GS 2B HAS HOOT ALL OVER OUT SIDE OF WELL NEEDS TO BE POWER WASHED

* AREA BELOW PGW 24 WHERE VAC TRUCKS ARE PULLING FROM BUBBLS. SUCKERS ARE CREATING A HUGE MESS BY NOT PUTTING A BUCKET UNDER VALVE WHEN OPENING AND CLOSING

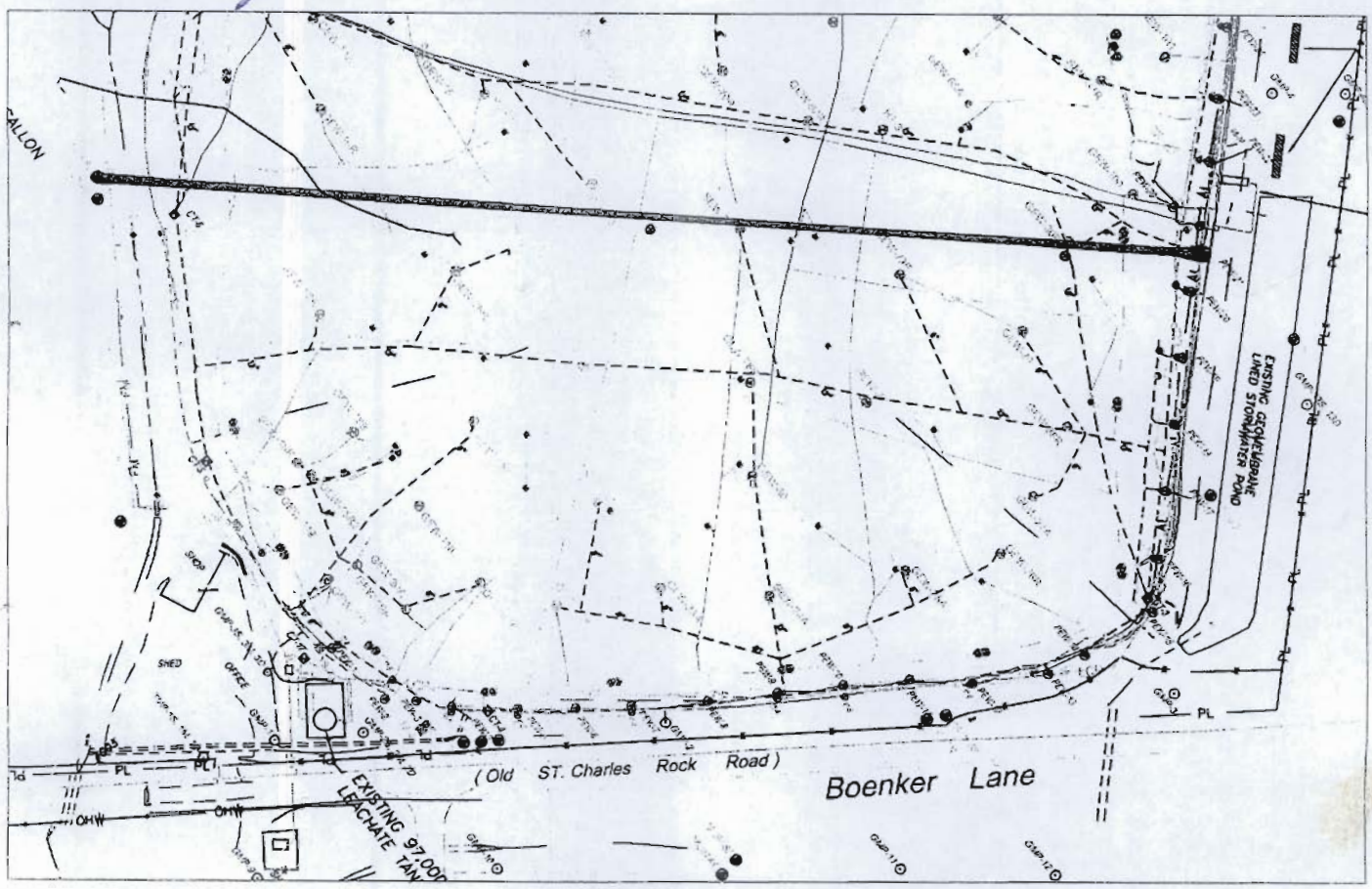
Pumps

(GW) 6 FROZEN NEED PGW 30 AIR NOT ON? PS 8 NOT ONLINE, (GW) 60R NOT ONLINE

Date: 2/11/2014

Name: David Voyles

REPUBLIC SERVICES



Quadrant #4

Repairs

- liquid under liner next to PS 21
- Hot spots by PS 21 (sitting under liner)
- liquid still under liner in south ditch much better flow
- air line needs ex. on PS 21 (working on that today)

Road in south still bleeding liquid (slowly)

Odors

(down Today)

odor around clean up areas

clean up LS 21, PS 21, SC4-A+B, PS 20, PS 18

Pumps

PS's not working 22, 21, 17, 16, 12, 13

LS 21 only two bolt holding lid. + pumps not working. diaphragm pumps not moving liquid. (Ricki Bobby working on it now)

GEW 17 + GEW 18R + 18R2 not working

LS's not working 21, (talked to Ricky Bobby ICS working on it now)

(Field Book)

2/10

FORREST BOOTH (BROOKHAVEN LANDFILL)

6:54 1) ARRIVAL — F.B

— 2) THURSDAY I HAVE TO HAVE A SAFETY TOPIC WITH FIVE — F.B

— BULLET POINTS — F.B

7:10 3) QUAD CHECKS — F.B

8:10 4) DCP CHECKS — F.B

	MOD LIO	NOT MOVING	OPEN	NOT OPEN		
SC1A	✓	N/A	✓	N/A	GAS MOTOR WENT OFF BY	F.B
SC1B	N/A	✓	N/A	✓	SC1A ED	F.B
SC2A	✓	N/A	✓	N/A	SC2A HAS BLOWN BOTTOM SEAL	F.B
SC2B	✓	N/A	✓	N/A		F.B
SC3A	✓	N/A	✓	N/A		F.B
SC3B	✓	N/A	✓	N/A		F.B
SC4A	N/A	✓	N/A	✓	4A & 4B HAS BLOWN BOTTOM	F.B
SC4B	N/A	✓	N/A	✓	SSA/S AREA NEEDS TO BE POWER WASHED	F.B
SC5A	✓	N/A	✓	✓	SC5A ED HAS BIG SINK HOLE	F.B
SC5B	OFF LINE				CANT WALK ON LINER	F.B
SC6A	✓	N/A	✓	N/A		F.B
SC6B	✓	N/A	✓	N/A		F.B

ATTACHMENT 9

Untreated leachate analysis data

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

January 27, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

RE: Project: BRIDGETON UNTREATED COMMINGLED
Pace Project No.: 60161522

Dear Ed Galbraith:
Enclosed are the analytical results for sample(s) received by the laboratory on January 18, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mary Jane Walls for
Angie Brown
Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Dana Baker, Barr Engineering Co.
Scott Fedak, Feezor Engineering
Margaret Treanor, Barr Engineering Company

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: BRIDGETON UNTREATED COMMINGLED
Pace Project No.: 60161522

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 13-012-0
Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-13-4
Utah Certification #: KS000212013-3
Illinois Certification #: 003097

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: BRIDGETON UNTREATED COMMINGLED
Pace Project No.: 60161522

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60161522001	TCLP 01-17	Water	01/17/14 13:30	01/18/14 01:15
60161522002	TRIP BLANK	Water	01/17/14 08:00	01/18/14 01:15

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SAMPLE ANALYTE COUNT

Project: BRIDGETON UNTREATED COMMINGLED
Pace Project No.: 60161522

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60161522001	TCLP 01-17	EPA 8260	RAB	13
		EPA 5030B/8260	PRG	28
		EPA 1664A	DJR	1
		SM 2540B	JMC	1
60161522002	TRIP BLANK	EPA 5030B/8260	PRG	28

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ANALYTICAL RESULTS

Project: BRIDGETON UNTREATED COMMINGLED
Pace Project No.: 60161522

Sample: TCLP 01-17 **Lab ID: 60161522001** Collected: 01/17/14 13:30 Received: 01/18/14 01:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/25/14 00:00							
Benzene	**1350**	ug/L	250	5		01/27/14 10:24	71-43-2	
2-Butanone (MEK)	**108000**	ug/L	20000	20		01/27/14 11:56	78-93-3	
Carbon tetrachloride	ND	ug/L	250	5		01/27/14 10:24	56-23-5	L3
Chlorobenzene	ND	ug/L	250	5		01/27/14 10:24	108-90-7	
Chloroform	ND	ug/L	1000	5		01/27/14 10:24	67-66-3	
1,2-Dichloroethane	ND	ug/L	250	5		01/27/14 10:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	250	5		01/27/14 10:24	75-35-4	
Tetrachloroethene	ND	ug/L	250	5		01/27/14 10:24	127-18-4	
Trichloroethene	ND	ug/L	250	5		01/27/14 10:24	79-01-6	
Vinyl chloride	ND	ug/L	100	5		01/27/14 10:24	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	80-120	5		01/27/14 10:24	17060-07-0	1e
Toluene-d8 (S)	101	%	80-120	5		01/27/14 10:24	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-120	5		01/27/14 10:24	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	**170000**	ug/L	2000	200		01/23/14 16:48	67-64-1	
Benzene	**1970**	ug/L	200	200		01/23/14 16:48	71-43-2	
Bromodichloromethane	ND	ug/L	200	200		01/23/14 16:48	75-27-4	
Bromoform	ND	ug/L	200	200		01/23/14 16:48	75-25-2	
Bromomethane	ND	ug/L	1000	200		01/23/14 16:48	74-83-9	
2-Butanone (MEK)	**118000**	ug/L	2000	200		01/23/14 16:48	78-93-3	
Carbon tetrachloride	ND	ug/L	200	200		01/23/14 16:48	56-23-5	
Chloroethane	ND	ug/L	200	200		01/23/14 16:48	75-00-3	
Chloroform	ND	ug/L	200	200		01/23/14 16:48	67-66-3	
1,4-Dichlorobenzene	**778**	ug/L	200	200		01/23/14 16:48	106-46-7	
1,2-Dichloroethane	ND	ug/L	200	200		01/23/14 16:48	107-06-2	
cis-1,2-Dichloroethene	ND	ug/L	200	200		01/23/14 16:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	200	200		01/23/14 16:48	156-60-5	
Ethylbenzene	**295**	ug/L	200	200		01/23/14 16:48	100-41-4	
Methylene chloride	ND	ug/L	200	200		01/23/14 16:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	**4720**	ug/L	2000	200		01/23/14 16:48	108-10-1	
1,1,2,2-Tetrachloroethane	ND	ug/L	200	200		01/23/14 16:48	79-34-5	
Tetrachloroethene	ND	ug/L	200	200		01/23/14 16:48	127-18-4	
Toluene	**405**	ug/L	200	200		01/23/14 16:48	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	200	200		01/23/14 16:48	71-55-6	
1,1,2-Trichloroethane	**698**	ug/L	200	200		01/23/14 16:48	79-00-5	
Trichloroethene	ND	ug/L	200	200		01/23/14 16:48	79-01-6	
Vinyl chloride	ND	ug/L	200	200		01/23/14 16:48	75-01-4	
Xylene (Total)	**1060**	ug/L	600	200		01/23/14 16:48	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	100	%	80-120	200		01/23/14 16:48	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-120	200		01/23/14 16:48	17060-07-0	
Toluene-d8 (S)	96	%	80-120	200		01/23/14 16:48	2037-26-5	
Preservation pH	**6.0**		0.10	200		01/23/14 16:48		pH

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9608 Loiret Blvd.
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(913)599-5665

ANALYTICAL RESULTS

Project: BRIDGETON UNTREATED COMMINGLED
Pace Project No.: 60161522

Sample: TCLP 01-17 **Lab ID: 60161522001** Collected: 01/17/14 13:30 Received: 01/18/14 01:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**1420**	mg/L	5.0	1		01/27/14 09:47		
2540B Total Solids	Analytical Method: SM 2540B							
Total Solids	**49100**	mg/L	5.0	1		01/24/14 13:43		

REPORT OF LABORATORY ANALYSIS

ATTACHMENT 10

Treated leachate confirmation analysis data

Pace Analytical Services, Inc.
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Lenexa, KS 66219
(913)599-5665

January 07, 2014

Ed Galbraith
Barr Engineering Company
1001 Diamond Ridge, Ste 1100
Jefferson City, MO 65101

RE: Project: BRIDGETON LF 316-181
Pace Project No.: 60160475

Dear Ed Galbraith:
Enclosed are the analytical results for sample(s) received by the laboratory on December 30, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angie Brown

Angie.Brown@pacelabs.com
Project Manager

Enclosures

cc: Dana Baker, Barr Engineering Co.
Scott Fedak, Feezor Engineering
Margaret Treanor, Barr Engineering Company

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: BRIDGETON LF 316-181
Pace Project No.: 60160475

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60160475001	**316-181**	Water	12/30/13 08:10	12/30/13 13:30
60160475002	**TRIP BLANK**	Water	12/30/13 08:10	12/30/13 13:30

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ANALYTICAL RESULTS

Project: BRIDGETON LF 316-181
Pace Project No.: 60160475

Sample: 316-181 **Lab ID: 60160475001** Collected: 12/30/13 08:10 Received: 12/30/13 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Aluminum	**4720**	ug/L	375	1	12/31/13 08:30	01/02/14 14:54	7429-90-5	
Antimony	ND	ug/L	50.0	1	12/31/13 08:30	01/02/14 14:54	7440-36-0	D3
Arsenic	**784**	ug/L	50.0	1	12/31/13 08:30	01/02/14 14:54	7440-38-2	
Beryllium	ND	ug/L	5.0	1	12/31/13 08:30	01/02/14 14:54	7440-41-7	
Cadmium	ND	ug/L	25.0	1	12/31/13 08:30	01/02/14 14:54	7440-43-9	
Chromium	**238**	ug/L	25.0	1	12/31/13 08:30	01/02/14 14:54	7440-47-3	
Cobalt	ND	ug/L	25.0	1	12/31/13 08:30	01/02/14 14:54	7440-48-4	
Copper	ND	ug/L	50.0	1	12/31/13 08:30	01/02/14 14:54	7440-50-8	
Iron	**777000**	ug/L	250	1	12/31/13 08:30	01/02/14 14:54	7439-89-6	
Lead	**122**	ug/L	25.0	1	12/31/13 08:30	01/02/14 14:54	7439-92-1	
Nickel	**97.0**	ug/L	25.0	1	12/31/13 08:30	01/02/14 14:54	7440-02-0	
Selenium	ND	ug/L	75.0	1	12/31/13 08:30	01/02/14 14:54	7782-49-2	
Silver	ND	ug/L	35.0	1	12/31/13 08:30	01/02/14 14:54	7440-22-4	
Thallium	ND	ug/L	100	1	12/31/13 08:30	01/02/14 14:54	7440-28-0	
Zinc	**10100**	ug/L	500	2	12/31/13 08:30	01/02/14 14:56	7440-66-6	
200.7 Metals, Dissolved (LF)	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Aluminum, Dissolved	**3860**	ug/L	375	1	12/31/13 00:00	01/02/14 14:17	7429-90-5	
Antimony, Dissolved	ND	ug/L	50.0	1	12/31/13 00:00	01/02/14 14:17	7440-36-0	D3
Arsenic, Dissolved	**834**	ug/L	50.0	1	12/31/13 00:00	01/02/14 14:17	7440-38-2	D9
Beryllium, Dissolved	ND	ug/L	5.0	1	12/31/13 00:00	01/02/14 14:17	7440-41-7	
Cadmium, Dissolved	ND	ug/L	25.0	1	12/31/13 00:00	01/02/14 14:17	7440-43-9	
Chromium, Dissolved	**244**	ug/L	25.0	1	12/31/13 00:00	01/02/14 14:17	7440-47-3	D9
Cobalt, Dissolved	ND	ug/L	25.0	1	12/31/13 00:00	01/02/14 14:17	7440-48-4	
Copper, Dissolved	ND	ug/L	50.0	1	12/31/13 00:00	01/02/14 14:17	7440-50-8	
Iron, Dissolved	**737000**	ug/L	250	1	12/31/13 00:00	01/02/14 14:17	7439-89-6	
Lead, Dissolved	**99.6**	ug/L	25.0	1	12/31/13 00:00	01/02/14 14:17	7439-92-1	
Nickel, Dissolved	**97.6**	ug/L	25.0	1	12/31/13 00:00	01/02/14 14:17	7440-02-0	D9
Selenium, Dissolved	ND	ug/L	75.0	1	12/31/13 00:00	01/02/14 14:17	7782-49-2	
Silver, Dissolved	ND	ug/L	35.0	1	12/31/13 00:00	01/02/14 14:17	7440-22-4	
Thallium, Dissolved	ND	ug/L	100	1	12/31/13 00:00	01/02/14 14:17	7440-28-0	
Zinc, Dissolved	**11000**	ug/L	500	2	12/31/13 00:00	01/02/14 14:24	7440-66-6	D9
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**37.2**	ug/L	6.0	1	01/02/14 11:45	01/02/14 15:22	7439-97-6	
245.1 Mercury, Dissolved (LF)	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	ND	ug/L	6.0	1	01/02/14 11:45	01/02/14 15:05	7439-97-6	
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
4,6-Dinitro-2-methylphenol	ND	ug/L	5000	2	12/31/13 00:00	01/03/14 00:03	534-52-1	
Hexachloro-1,3-butadiene	ND	ug/L	1000	2	12/31/13 00:00	01/03/14 00:03	87-68-3	
Hexachlorocyclopentadiene	ND	ug/L	1000	2	12/31/13 00:00	01/03/14 00:03	77-47-4	
Hexachloroethane	ND	ug/L	1000	2	12/31/13 00:00	01/03/14 00:03	67-72-1	
Naphthalene	**1520**	ug/L	1000	2	12/31/13 00:00	01/03/14 00:03	91-20-3	
Nitrobenzene	ND	ug/L	1000	2	12/31/13 00:00	01/03/14 00:03	98-95-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: BRIDGETON LF 316-181
Pace Project No.: 60160475

Sample: 316-181 **Lab ID: 60160475001** Collected: 12/30/13 08:10 Received: 12/30/13 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**1400**	mg/L	5.0	1		12/31/13 09:50		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**5.4**	Std. Units	0.10	1		12/31/13 15:00		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	**30800**	mg/L	2.0	1	12/30/13 16:14	01/04/14 12:42		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**835**	mg/L	50.0	500		01/06/14 15:10	7664-41-7	
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**60200**	mg/L	5000	500		01/03/14 07:54		

REPORT OF LABORATORY ANALYSIS

ATTACHMENT 11

Treated leachate onsite analysis data

New Age/Landmark
Mobile Laboratory Services
160 Veterans Blvd • South Haven, Michigan 49090
Tel: 888-585-1626 • mobilelabs@newagelandmark.com

FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Craig Almanza

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise Any questions concerning this report should be directed to Scott D Wall President
B = Analyte is found in the associated blank as well as in the sample.
D = Compound identified in an analysis at a secondary dilution factor
E = Compound's concentration exceeds the calibration range of the instrument at this dilution
X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation
J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL.
M = Matrix assesment. QC analyses parameter exceeded control limits
U = Non-detect
* NAL is not certified for these compound by NELAC

Lab ID:	Sample ID:		CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-878	316-181	ORG	75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	74-87-3	Chloromethane		U	ug/L	500	43.07	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	75-01-4	Vinyl chloride		U	ug/L	200	31.86	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	74-83-9	Bromomethane		U	ug/L	500	50.04	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	75-00-3	Chloroethane		UX-	ug/L	500	55.61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	75-09-2	Methylene chloride		U	ug/L	500	26.46	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	67-64-1	Acetone	110000	D	ug/L	10000	1556.07	12/30/2013	12/30/2013	12/30/2013	WG	1000	NA	5.0	NA	SW8260B	NALC1094				
NAL13026-878	316-181	ORG	156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	1634-04-4	MTBE		U	ug/L	500	61.18	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	74-97-5	Bromochloromethane		U	ug/L	200	41.37	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	67-66-3	Chloroform		U	ug/L	100	15.73	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	78-93-3	2-Butanone	47000	D	ug/L	10000	811.80	12/30/2013	12/30/2013	12/30/2013	WG	1000	NA	5.0	NA	SW8260B	NALC1094				
NAL13026-878	316-181	ORG	56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	71-43-2	Benzene	79	J	ug/L	100	13.53	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	79-01-6	Trichloroethene		U	ug/L	100	36.33	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	74-95-3	Dibromomethane		UX-	ug/L	200	32.20	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	75-27-4	Bromodichloromethane		U	ug/L	200	11.58	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	108-88-3	Toluene	48	J	ug/L	100	20.96	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	108-10-1	4-Methyl-2-pentanone	860		ug/L	500	74.00	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	127-18-4	Tetrachloroethene		U	ug/L	100	48.56	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	124-48-1	Dibromochloromethane		U	ug/L	200	29.90	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	591-78-6	2-Hexanone	5200		ug/L	500	68.90	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	100-41-4	Ethylbenzene	140		ug/L	100	25.38	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	108-90-7	Chlorobenzene		U	ug/L	100	27.52	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	XYLMP	p&m-Xylene	880		ug/L	200	26.14	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	95-47-6	o-Xylene	680		ug/L	100	12.90	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	100-42-5	Styrene	400		ug/L	100	20.23	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	75-25-2	Bromoform		U	ug/L	200	46.83	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	98-82-8	Isopropylbenzene	690		ug/L	200	20.48	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	103-65-1	n-Propylbenzene	190	J	ug/L	200	27.00	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				

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Lab ID:	Sample ID:		CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-878	316-181	ORG	96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29 47	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	108-67-8	1,3,5-Trimethylbenzene	650		ug/L	200	20 03	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5 0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5 0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	95-63-6	1,2,4-Trimethylbenzene	2000		ug/L	200	20.03	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5 0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	135-98-8	sec-Butylbenzene	470		ug/L	200	32.34	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5 0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	99-87-6	p-Isopropltoluene	7900		ug/L	200	25 48	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	106-46-7	1,4-Dichlorobenzene	2100		ug/L	200	33 03	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	104-51-8	n-Butylbenzene	630		ug/L	500	27 81	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159 11	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5 0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	87-68-3	Hexachlorobutadiene		U	ug/L	500	65 42	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	91-20-3	Naphthalene	3000		ug/L	500	56.04	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	ORG	87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5 0	NA	SW8260B	NALC1093				
NAL13026-878	316-181	STD	1868-53-7	Dibromofluoromethane	60		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093	50	120%		
NAL13026-878	316-181	STD	17060-07-0	1,2-Dichloroethane d4	60		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5 0	NA	SW8260B	NALC1093	50	120%		
NAL13026-878	316-181	STD	2037-26-5	Toluene d8	45		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1093	50	90%		
NAL13026-878	316-181	STD	460-00-4	Bromofluorobenzene	55		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5 0	NA	SW8260B	NALC1093	50	110%		

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Lab ID:	Sample ID:		CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-879	96-094	ORG	75-71-8	Dichlorodifluoromethane		U	ug/L	500	29.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	74-87-3	Chloromethane		U	ug/L	500	43.07	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	75-01-4	Vinyl chloride		U	ug/L	200	31.86	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	74-83-9	Bromomethane		U	ug/L	500	50.04	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	75-00-3	Chloroethane		UX-	ug/L	500	55.61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	75-69-4	Trichlorofluoromethane		U	ug/L	500	19.65	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	75-35-4	1,1-Dichloroethene		U	ug/L	100	47.11	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	75-09-2	Methylene chloride		U	ug/L	500	26.46	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	67-64-1	Acetone	89000	D	ug/L	10000	1556.07	12/30/2013	12/30/2013	12/30/2013	WG	1000	NA	5.0	NA	SW8260B	NALC1101				
NAL13026-879	96-094	ORG	156-60-5	trans-1,2-Dichloroethene		U	ug/L	100	55.61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	1634-04-4	MTBE		U	ug/L	500	61.18	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	75-34-3	1,1-Dichloroethane		U	ug/L	100	52.66	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	156-59-2	cis-1,2-Dichloroethene		U	ug/L	100	32.11	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	74-97-5	Bromochloromethane		U	ug/L	200	41.37	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	67-66-3	Chloroform		U	ug/L	100	15.73	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	71-55-6	1,1,1-Trichloroethane		U	ug/L	100	16.65	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	78-93-3	2-Butanone	39000	D	ug/L	10000	811.80	12/30/2013	12/30/2013	12/30/2013	WG	1000	NA	5.0	NA	SW8260B	NALC1101				
NAL13026-879	96-094	ORG	56-23-5	Carbon tetrachloride		U	ug/L	100	27.64	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	71-43-2	Benzene	63	J	ug/L	100	13.53	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	107-06-2	1,2-Dichloroethane		U	ug/L	100	20.01	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	79-01-6	Trichloroethene		U	ug/L	100	36.33	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	74-95-3	Dibromomethane		UX-	ug/L	200	32.20	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	78-87-5	1,2-Dichloropropane		U	ug/L	100	18.17	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	75-27-4	Bromodichloromethane		U	ug/L	200	11.58	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	10061-01-5	cis-1,3-Dichloropropene		U	ug/L	100	25.01	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	108-88-3	Toluene		U	ug/L	100	20.96	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	108-10-1	4-Methyl-2-pentanone	730		ug/L	500	74.00	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	10061-02-6	trans-1,3-Dichloropropene		U	ug/L	100	31.15	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	127-18-4	Tetrachloroethene		U	ug/L	100	48.56	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	79-00-5	1,1,2-Trichloroethane		U	ug/L	100	34.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	124-48-1	Dibromochloromethane		U	ug/L	200	29.90	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	106-93-4	1,2-Dibromoethane		U	ug/L	200	26.49	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	591-78-6	2-Hexanone	3300		ug/L	500	68.90	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	100-41-4	Ethylbenzene		U	ug/L	100	25.38	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	108-90-7	Chlorobenzene		U	ug/L	100	27.52	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	630-20-6	1,1,1,2-Tetrachloroethane		U	ug/L	200	19.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	XYLMP	p&m-Xylene	610		ug/L	200	26.14	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	95-47-6	o-Xylene	510		ug/L	100	12.90	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	100-42-5	Styrene		U	ug/L	100	20.23	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	75-25-2	Bromoform		U	ug/L	200	46.83	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	98-82-8	Isopropylbenzene	590		ug/L	200	20.48	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	103-65-1	n-Propylbenzene	110	J	ug/L	200	27.00	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	79-34-5	1,1,2,2-Tetrachloroethane		U	ug/L	200	29.16	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				

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NAL13026-879	96-094	ORG	96-18-4	1,2,3-Trichloropropane		U	ug/L	200	29.47	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	108-67-8	1,3,5-Trimethylbenzene	520		ug/L	200	20.03	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	98-06-6	tert-Butylbenzene		U	ug/L	200	32.61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	95-63-6	1,2,4-Trimethylbenzene	1300		ug/L	200	20.03	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	135-98-8	sec-Butylbenzene	460		ug/L	200	32.34	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	541-73-1	1,3-Dichlorobenzene		U	ug/L	200	22.21	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	99-87-6	p-Isopropltoluene	6200		ug/L	200	25.48	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	106-46-7	1,4-Dichlorobenzene	1300		ug/L	200	33.03	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	95-50-1	1,2-Dichlorobenzene		U	ug/L	200	26.38	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	104-51-8	n-Butylbenzene	600		ug/L	500	27.81	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	96-12-8	1,2-Dibromo-3-chloropropane		U	ug/L	500	159.11	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	87-68-3	Hexachlorobutadiene		U	ug/L	500	65.42	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	120-82-1	1,2,4-Trichlorobenzene		U	ug/L	500	27.63	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	91-20-3	Naphthalene	2700		ug/l	500	56.04	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	ORG	87-61-6	1,2,3-Trichlorobenzene		U	ug/L	500	23.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100				
NAL13026-879	96-094	STD	1868-53-7	Dibromofluoromethane	50		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100	50	100%		
NAL13026-879	96-094	STD	17060-07-0	1,2-Dichloroethane d4	49		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100	50	98%		
NAL13026-879	96-094	STD	2037-26-5	Toluene d8	43		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100	50	86%		
NAL13026-879	96-094	STD	460-00-4	Bromofluorobenzene	53		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1100	50	106%		

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FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Craig Almanza

Project #: NAL13-026
Project Site: Bridgeton Landfill

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Lab ID:	Sample ID:		CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec.	% RPD	Parent
NAL13026-878MS	316-181	ORG	75-71-8	Dichlorodifluoromethane	7500		ug/L	500	29 28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	150%		
NAL13026-878MS	316-181	ORG	74-87-3	Chloromethane	6200		ug/L	500	43.07	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	124%		
NAL13026-878MS	316-181	ORG	75-01-4	Vinyl chloride	5400		ug/L	200	31 86	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	108%		
NAL13026-878MS	316-181	ORG	74-83-9	Bromomethane	5500		ug/L	500	50 04	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	110%		
NAL13026-878MS	316-181	ORG	75-00-3	Chloroethane	4400		ug/L	500	55 61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	88%		
NAL13026-878MS	316-181	ORG	75-69-4	Trichlorofluoromethane	7900		ug/L	500	19 65	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	158%		
NAL13026-878MS	316-181	ORG	75-35-4	1,1-Dichloroethene	5300		ug/L	100	47 11	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	106%		
NAL13026-878MS	316-181	ORG	75-09-2	Methylene chloride	5300		ug/L	500	26 46	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	106%		
NAL13026-878MS	316-181	ORG	67-64-1	Acetone	85000		ug/L	1000	155.61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	-500%		110000
NAL13026-878MS	316-181	ORG	156-60-5	trans-1,2-Dichloroethene	5200		ug/L	100	55.61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	104%		
NAL13026-878MS	316-181	ORG	1634-04-4	MTBE	4600		ug/L	500	61 18	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	92%		
NAL13026-878MS	316-181	ORG	75-34-3	1,1-Dichloroethane	5300		ug/L	100	52.66	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	106%		
NAL13026-878MS	316-181	ORG	156-59-2	cis-1,2-Dichloroethene	5200		ug/L	100	32 11	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	104%		
NAL13026-878MS	316-181	ORG	74-97-5	Bromochloromethane	5200		ug/L	1000	41 37	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	104%		
NAL13026-878MS	316-181	ORG	67-66-3	Chloroform	5100		ug/L	200	15 73	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	102%		
NAL13026-878MS	316-181	ORG	71-55-6	1,1,1-Trichloroethane	5200		ug/L	100	16.65	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	104%		
NAL13026-878MS	316-181	ORG	78-93-3	2-Butanone	49000		ug/L	100	81 18	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	40%		47000
NAL13026-878MS	316-181	ORG	56-23-5	Carbon tetrachloride	5000		ug/L	100	27 64	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	100%		
NAL13026-878MS	316-181	ORG	71-43-2	Benzene	5200		ug/L	100	13.53	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	102%		79
NAL13026-878MS	316-181	ORG	107-06-2	1,2-Dichloroethane	4900		ug/L	100	20.01	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	98%		
NAL13026-878MS	316-181	ORG	79-01-6	Trichloroethene	5000		ug/L	100	36.33	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	100%		
NAL13026-878MS	316-181	ORG	74-95-3	Dibromomethane	4800		ug/L	200	32.20	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	96%		
NAL13026-878MS	316-181	ORG	78-87-5	1 2-Dichloropropane	4900		ug/L	100	18 17	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	98%		
NAL13026-878MS	316-181	ORG	75-27-4	Bromodichloromethane	4000		ug/L	200	11 58	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	80%		
NAL13026-878MS	316-181	ORG	10061-01-5	cis-1,3-Dichloropropene	5000		ug/L	100	25 01	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	100%		
NAL13026-878MS	316-181	ORG	108-88-3	Toluene	4600		ug/L	100	20.96	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	91%		48
NAL13026-878MS	316-181	ORG	108-10-1	4-Methyl-2-pentanone	5100		ug/L	500	74.00	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	85%		860
NAL13026-878MS	316-181	ORG	10061-02-6	trans-1,3-Dichloropropene	4800		ug/L	100	31 15	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	96%		
NAL13026-878MS	316-181	ORG	127-18-4	Tetrachloroethene	4400		ug/L	100	48.56	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	88%		
NAL13026-878MS	316-181	ORG	79-00-5	1 1,2-Trichloroethane	4800		ug/L	100	34.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	96%		
NAL13026-878MS	316-181	ORG	124-48-1	Dibromochloromethane	4400		ug/L	500	29 90	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	88%		
NAL13026-878MS	316-181	ORG	106-93-4	1,2-Dibromoethane	4600		ug/L	200	26 49	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	92%		
NAL13026-878MS	316-181	ORG	591-78-6	2-Hexanone	9700		ug/L	200	68.90	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	90%		5200
NAL13026-878MS	316-181	ORG	100-41-4	Ethylbenzene	5100		ug/L	100	25.38	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	99%		140
NAL13026-878MS	316-181	ORG	108-90-7	Chlorobenzene	5000		ug/L	100	27 52	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	100%		
NAL13026-878MS	316-181	ORG	630-20-6	1 1 1,2-Tetrachloroethane	4300		ug/L	200	19.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	86%		
NAL13026-878MS	316-181	ORG	XYLMP	p&m-Xylene	10000		ug/L	200	26 14	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	10000	91%		880
NAL13026-878MS	316-181	ORG	95-47-6	o-Xylene	5200		ug/L	100	12 90	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	90%		680
NAL13026-878MS	316-181	ORG	100-42-5	Styrene	4900		ug/L	100	20.23	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	90%		400
NAL13026-878MS	316-181	ORG	75-25-2	Bromoform	4100		ug/L	200	46.83	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	82%		
NAL13026-878MS	316-181	ORG	98-82-8	Isopropylbenzene	5500		ug/L	200	20 48	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	96%		690
NAL13026-878MS	316-181	ORG	103-65-1	n-Propylbenzene	5700		ug/L	200	27.00	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	110%		190
NAL13026-878MS	316-181	ORG	79-34-5	1,1,2,2-Tetrachloroethane	4600		ug/L	200	29 16	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	92%		

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Project #: NAL13-026
Project Site: Bridgeton Landfill

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NAL13026-878MS	316-181	ORG	96-18-4	1,2,3-Trichloropropane	4400		ug/L	200	29.47	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	88%		
NAL13026-878MS	316-181	ORG	108-67-8	1,3,5-Trimethylbenzene	5200		ug/L	200	20.03	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	91%		650
NAL13026-878MS	316-181	ORG	98-06-6	tert-Butylbenzene	5100		ug/L	200	32.61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	102%		
NAL13026-878MS	316-181	ORG	95-63-6	1,2,4-Trimethylbenzene	6900		ug/L	200	20.03	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	98%		2000
NAL13026-878MS	316-181	ORG	135-98-8	sec-Butylbenzene	5700		ug/L	200	32.34	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	105%		470
NAL13026-878MS	316-181	ORG	541-73-1	1,3-Dichlorobenzene	5300		ug/L	200	22.21	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	106%		
NAL13026-878MS	316-181	ORG	99-87-6	p-Isopropyltoluene	13000		ug/L	200	25.48	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	102%		7900
NAL13026-878MS	316-181	ORG	106-46-7	1,4-Dichlorobenzene	6800		ug/L	200	33.03	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	94%		2100
NAL13026-878MS	316-181	ORG	95-50-1	1,2-Dichlorobenzene	5400		ug/L	200	26.38	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	108%		
NAL13026-878MS	316-181	ORG	104-51-8	n-Butylbenzene	5600		ug/L	500	27.81	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	99%		630
NAL13026-878MS	316-181	ORG	96-12-8	1,2-Dibromo-3-chloropropane	5300		ug/L	500	159.11	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	106%		
NAL13026-878MS	316-181	ORG	87-68-3	Hexachlorobutadiene	6700		ug/L	500	65.42	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	134%		
NAL13026-878MS	316-181	ORG	120-82-1	1,2,4-Trichlorobenzene	6500		ug/L	500	27.63	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	130%		
NAL13026-878MS	316-181	ORG	91-20-3	Naphthalene	8600		ug/L	500	56.04	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	112%		3000
NAL13026-878MS	316-181	ORG	87-61-6	1,2,3-Trichlorobenzene	6900		ug/L	500	23.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	5000	138%		
NAL13026-878MS	316-181	STD	1868-53-7	Dibromofluoromethane	50		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	50	100%		
NAL13026-878MS	316-181	STD	17060-07-0	1,2-Dichloroethane d4	49		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	50	98%		
NAL13026-878MS	316-181	STD	2037-26-5	Toluene d8	44		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	50	88%		
NAL13026-878MS	316-181	STD	460-00-4	Bromofluorobenzene	54		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1097	50	108%		

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NAL13026-878MSD	316-181	ORG	75-71-8	Dichlorodifluoromethane	7800		ug/L	500	29.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	156%	4%	0
NAL13026-878MSD	316-181	ORG	74-87-3	Chloromethane	6600		ug/L	500	43.07	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	132%	6%	0
NAL13026-878MSD	316-181	ORG	75-01-4	Vinyl chloride	6900		ug/L	200	31.86	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	138%	24%	0
NAL13026-878MSD	316-181	ORG	74-83-9	Bromomethane	4900		ug/L	500	50.04	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	98%	12%	0
NAL13026-878MSD	316-181	ORG	75-00-3	Chloroethane	3800		ug/L	500	55.61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	76%	15%	0
NAL13026-878MSD	316-181	ORG	75-69-4	Trichlorofluoromethane	6500		ug/L	500	19.65	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	130%	19%	0
NAL13026-878MSD	316-181	ORG	75-35-4	1,1-Dichloroethene	5600		ug/L	100	47.11	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	112%	6%	0
NAL13026-878MSD	316-181	ORG	75-09-2	Methylene chloride	5600		ug/L	500	26.46	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	112%	6%	0
NAL13026-878MSD	316-181	ORG	67-64-1	Acetone	89000		ug/L	1000	155.61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	-420%	5%	110000
NAL13026-878MSD	316-181	ORG	156-60-5	trans-1,2-Dichloroethene	5700		ug/L	100	55.61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	114%	9%	0
NAL13026-878MSD	316-181	ORG	1634-04-4	MTBE	5300		ug/L	500	61.18	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	106%	14%	0
NAL13026-878MSD	316-181	ORG	75-34-3	1,1-Dichloroethane	5700		ug/L	100	52.66	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	114%	7%	0
NAL13026-878MSD	316-181	ORG	156-59-2	cis-1,2-Dichloroethene	5500		ug/L	100	32.11	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	110%	6%	0
NAL13026-878MSD	316-181	ORG	74-97-5	Bromochloromethane	5400		ug/L	1000	41.37	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	108%	4%	0
NAL13026-878MSD	316-181	ORG	67-66-3	Chloroform	5200		ug/L	200	15.73	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	104%	2%	0
NAL13026-878MSD	316-181	ORG	71-55-6	1,1,1-Trichloroethane	5300		ug/L	100	16.65	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	106%	2%	0
NAL13026-878MSD	316-181	ORG	78-93-3	2-Butanone	49000		ug/L	100	81.18	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	40%	0%	47000
NAL13026-878MSD	316-181	ORG	56-23-5	Carbon tetrachloride	5100		ug/L	100	27.64	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	102%	2%	0
NAL13026-878MSD	316-181	ORG	71-43-2	Benzene	5200		ug/L	100	13.53	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	102%	0%	79
NAL13026-878MSD	316-181	ORG	107-06-2	1,2-Dichloroethane	4800		ug/L	100	20.01	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	96%	2%	0
NAL13026-878MSD	316-181	ORG	79-01-6	Trichloroethene	4800		ug/L	100	36.33	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	96%	4%	0
NAL13026-878MSD	316-181	ORG	74-95-3	Dibromomethane	4400		ug/L	200	32.20	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	88%	9%	0
NAL13026-878MSD	316-181	ORG	78-87-5	1,2-Dichloropropane	4600		ug/L	100	18.17	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	92%	6%	0
NAL13026-878MSD	316-181	ORG	75-27-4	Bromodichloromethane	3900		ug/L	200	11.58	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	78%	3%	0
NAL13026-878MSD	316-181	ORG	10061-01-5	cis-1,3-Dichloropropene	5100		ug/L	100	25.01	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	102%	2%	0
NAL13026-878MSD	316-181	ORG	108-88-3	Toluene	4600		ug/L	100	20.96	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	91%	0%	48
NAL13026-878MSD	316-181	ORG	108-10-1	4-Methyl-2-pentanone	4900		ug/L	500	74.00	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	81%	4%	860
NAL13026-878MSD	316-181	ORG	10061-02-6	trans-1,3-Dichloropropene	4600		ug/L	100	31.15	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	92%	4%	0
NAL13026-878MSD	316-181	ORG	127-18-4	Tetrachloroethene	4400		ug/L	100	48.56	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	88%	0%	0
NAL13026-878MSD	316-181	ORG	79-00-5	1,1,2-Trichloroethane	4600		ug/L	100	34.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	92%	4%	0
NAL13026-878MSD	316-181	ORG	124-48-1	Dibromochloromethane	4200		ug/L	500	29.90	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	84%	5%	0
NAL13026-878MSD	316-181	ORG	106-93-4	1,2-Dibromoethane	4300		ug/L	200	26.49	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	86%	7%	0
NAL13026-878MSD	316-181	ORG	591-78-6	2-Hexanone	9200		ug/L	200	68.90	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	80%	5%	5200
NAL13026-878MSD	316-181	ORG	100-41-4	Ethylbenzene	5300		ug/L	100	25.38	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	103%	4%	140
NAL13026-878MSD	316-181	ORG	108-90-7	Chlorobenzene	5300		ug/L	100	27.52	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	106%	6%	0
NAL13026-878MSD	316-181	ORG	630-20-6	1,1,1,2-Tetrachloroethane	4500		ug/L	200	19.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	90%	5%	0
NAL13026-878MSD	316-181	ORG	XYLMP	p&m-Xylene	10000		ug/L	200	26.14	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	10000	91%	0%	880
NAL13026-878MSD	316-181	ORG	95-47-6	o-Xylene	5500		ug/L	100	12.90	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	96%	6%	680
NAL13026-878MSD	316-181	ORG	100-42-5	Styrene	5000		ug/L	100	20.23	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	92%	2%	400
NAL13026-878MSD	316-181	ORG	75-25-2	Bromoform	4200		ug/L	200	46.83	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	84%	2%	0
NAL13026-878MSD	316-181	ORG	98-82-8	Isopropylbenzene	5500		ug/L	200	20.48	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	96%	0%	690
NAL13026-878MSD	316-181	ORG	103-65-1	n-Propylbenzene	5800		ug/L	200	27.00	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	112%	2%	190
NAL13026-878MSD	316-181	ORG	79-34-5	1,1,2,2-Tetrachloroethane	4300		ug/L	200	29.16	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	86%	7%	0

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FINAL ANALYTICAL REPORT

Republic Services
12976 St. Charles Rock Rd.
Bridgeton, MO 63044
ATTN: Craig Almanza

Project #: NAL13-026
Project Site: Bridgeton Landfill

Analytical results meet the requirements of NELAC Standards. The results reported apply solely to the sample analyzed and all results are reported on a dry weight basis unless stated otherwise. Any questions concerning this report should be directed to Scott D. Wall, President.
B = Analyte is found in the associated blank as well as in the sample
D = Compound identified in an analysis at a secondary dilution factor
E = Compound's concentration exceeds the calibration range of the instrument at this dilution
X = Estimated value, some aspect of the test relative to this compound did not meet QC criteria. See batch narrative for explanation
J = Estimated value, compound meets the identification criteria but the result is less than the limit of quantitation but greater than the MDL
M = Matrix assesment, QC analyses parameter exceeded control limits
U = Non-detect
* NAL is not certified for these compound by NELAC

Lab ID:	Sample ID:		CAS #	ANALYTES	Results	QC	Units	RDL	MDL	Sample Date	Prep. Date	Analysis Date	Matrix	Dil.	Weight(g)	Vol.(ml)	% Solid	Method	Data file	Spike	% Rec	% RPD	Parent
NAL13026-878MSD	316-181	ORG	96-18-4	1,2,3-Trichloropropane	4400		ug/L	200	29.47	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	88%	0%	0
NAL13026-878MSD	316-181	ORG	108-67-8	1,3,5-Trimethylbenzene	5300		ug/L	200	20.03	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	93%	2%	650
NAL13026-878MSD	316-181	ORG	98-06-6	tert-Butylbenzene	5200		ug/L	200	32.61	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	104%	2%	0
NAL13026-878MSD	316-181	ORG	95-63-6	1,2,4-Trimethylbenzene	6900		ug/L	200	20.03	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	98%	0%	2000
NAL13026-878MSD	316-181	ORG	135-98-8	sec-Butylbenzene	5700		ug/L	200	32.34	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	105%	0%	470
NAL13026-878MSD	316-181	ORG	541-73-1	1,3-Dichlorobenzene	5100		ug/L	200	22.21	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	102%	4%	0
NAL13026-878MSD	316-181	ORG	99-87-6	p-Isopropyltoluene	13000		ug/L	200	25.48	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	102%	0%	7900
NAL13026-878MSD	316-181	ORG	106-46-7	1,4-Dichlorobenzene	6800		ug/L	200	33.03	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	94%	0%	2100
NAL13026-878MSD	316-181	ORG	95-50-1	1,2-Dichlorobenzene	5100		ug/L	200	26.38	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	102%	6%	0
NAL13026-878MSD	316-181	ORG	104-51-8	n-Butylbenzene	5500		ug/L	500	27.81	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	97%	2%	630
NAL13026-878MSD	316-181	ORG	96-12-8	1,2-Dibromo-3-chloropropane	5200		ug/L	500	159.11	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	104%	2%	0
NAL13026-878MSD	316-181	ORG	87-68-3	Hexachlorobutadiene	6600		ug/L	500	65.42	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	132%	2%	0
NAL13026-878MSD	316-181	ORG	120-82-1	1,2,4-Trichlorobenzene	6200		ug/L	500	27.63	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	124%	5%	0
NAL13026-878MSD	316-181	ORG	91-20-3	Naphthalene	8100		ug/L	500	56.04	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	102%	6%	3000
NAL13026-878MSD	316-181	ORG	87-61-6	1,2,3-Trichlorobenzene	6600		ug/L	500	23.28	12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	5000	132%	4%	0
NAL13026-878MSD	316-181	STD	1868-53-7	Dibromofluoromethane	51		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	50	102%	2%	0
NAL13026-878MSD	316-181	STD	17060-07-0	1,2-Dichloroethane d4	48		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	50	96%	2%	0
NAL13026-878MSD	316-181	STD	2037-26-5	Toluene d8	45		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	50	90%	2%	0
NAL13026-878MSD	316-181	STD	460-00-4	Bromofluorobenzene	57		ng			12/30/2013	12/30/2013	12/30/2013	WG	100	NA	5.0	NA	SW8260B	NALC1098	50	114%	5%	0