Countywide Recycling and Disposal Facility
Weekly Progress Report
04/24/09

This Weekly Progress Report is prepared by Countywide and submitted to the OEPA weekly by the close of business on each Friday. This meets the requirement of Order No. 5 of the December 31, 2007 Findings and Orders to provide updates on progress of field activities.

In addition, this report provides updated presentations of data being collected. All information presented in this report originates from the publicly-available data being gathered as part of the normal operational requirements of the facility or as part of the Director's Findings and Orders. **This report covers the period April 18, 2009 to April 24, 2009.**

PROGRESS ON FIELD ACTIVITIES TOWARD DECEMBER 31, 2007 ORDERS

See the attached **Table 1**.

DATA PRESENTATION

Bold font in comments column means updated version included with this report.

Attachment	Attachment No.	Comments
Wellhead Temperature Graph	1	Updated April 10, 2009
Downhole Temp. Graph	2	Updated April 17, 2009
FBMP Max. In-Situ Temp. Graph	3	Updated April 17, 2009
Leachate Sump Temperature. Graph	5	**Updated April 24, 2009**
LCS Temperature Graph	6	**Updated April 24, 2009**
Weekly Cumulative Sett. Graph	7	Updated April 17, 2009
Quarterly Cumulative Sett. Graph	8	Updated March 27, 2009
CO Graph	9	Updated April 17, 2009
Leachate Volume Graph	10	**Updated April 24, 2009**
Leachate COD Graph	11	Updated March 20, 2009
Leachate TDS Graph	12	Updated March 20, 2009
Odor (Nasal Ranger) Readings	13	Updated March 20, 2009

Appendices (transmitted separately)	Appendix No.	Comments
Wellhead Temperature Zone Map	A	Updated March 27, 2009
4-Week Cumulative Sett. Front Map	B	**Updated April 24, 2009**
Carbon Monoxide Zone Map	C	Updated March 20, 2009

AMBIENT AIR SAMPLING ACTIVITIES LOG

See attached **Table 2**.

COMMENTARY ON DATA

Attachments 5 and 6 suggest that the temperatures of leachate are slowly climbing in Cells 5 and 6, coincident with the reaction moving in that direction (see discussion on Appendix B, below.

Attachment 10 shows that the overall leachate production continues to decrease in the 88-acre area. This is believed to indicate an overall lessening of the intensity and size of the reaction (as less heat is driving moisture out of the waste material).

Appendix B indicates that the leading edge of the settlement front continues to advance to the northwest and west while retracting from the east.

TABLE 1

WEEKLY PROGRESS REPORT FOR DECEMBER 31, 2007 F&Os
COUNTYWIDE LANDFILL
WEEK ENDING 04-24-09

Work Item	Units of Measure	Estimated Required or Goal*	Previously Completed	Completed This Period	Total Completed to Date	Est. to be Completed Next Week	Comments
Install Vertical Relief Wells	ea.	4	4	0	4	0	RW-4 was abandoned due to a casing failure on April 8, 2009. RW-2 was abandoned due to casing failure on March 25, 2009.
Install Perm. Dewatering Pumps and Infrastructure	ea.	44	44	0	44	0	
Install 4-inch HDPE Liquid Discharge Line	l.f.	3000	3000	0	3000	0	
Install 2-inch HDPE Air Supply Line	l.f.	10500	10500	0	10500	0	
Install and Test Compressors	ea.	3	3	0	3	0	
Relocate Flares from Top of Landfill	ea.	1	1	0	1	0	
Install New Gas Wells	ea.	37 (original goal was 10)	37	0	37	0	
Replace Compromised Wells	ea.	23 (original goal was 12)	23	0	23	0	
Install Perm. Dewatering Pumps in New and Replacement Gas Wells	ea.	20	18	0	18	0	
Install 4-inch HDPE Liquid Discharge Line for new gas wells	l.f.	2000	2500	0	2500	0	
Install 2-inch HDPE Air Supply Line for new gas wells	l.f.	2000	2500	0	2500	0	
Measure Achievable Drawdown	ea.	73	73	0	73	0	
Establish Baseline Flow	ea.	1	0	0	0	0	

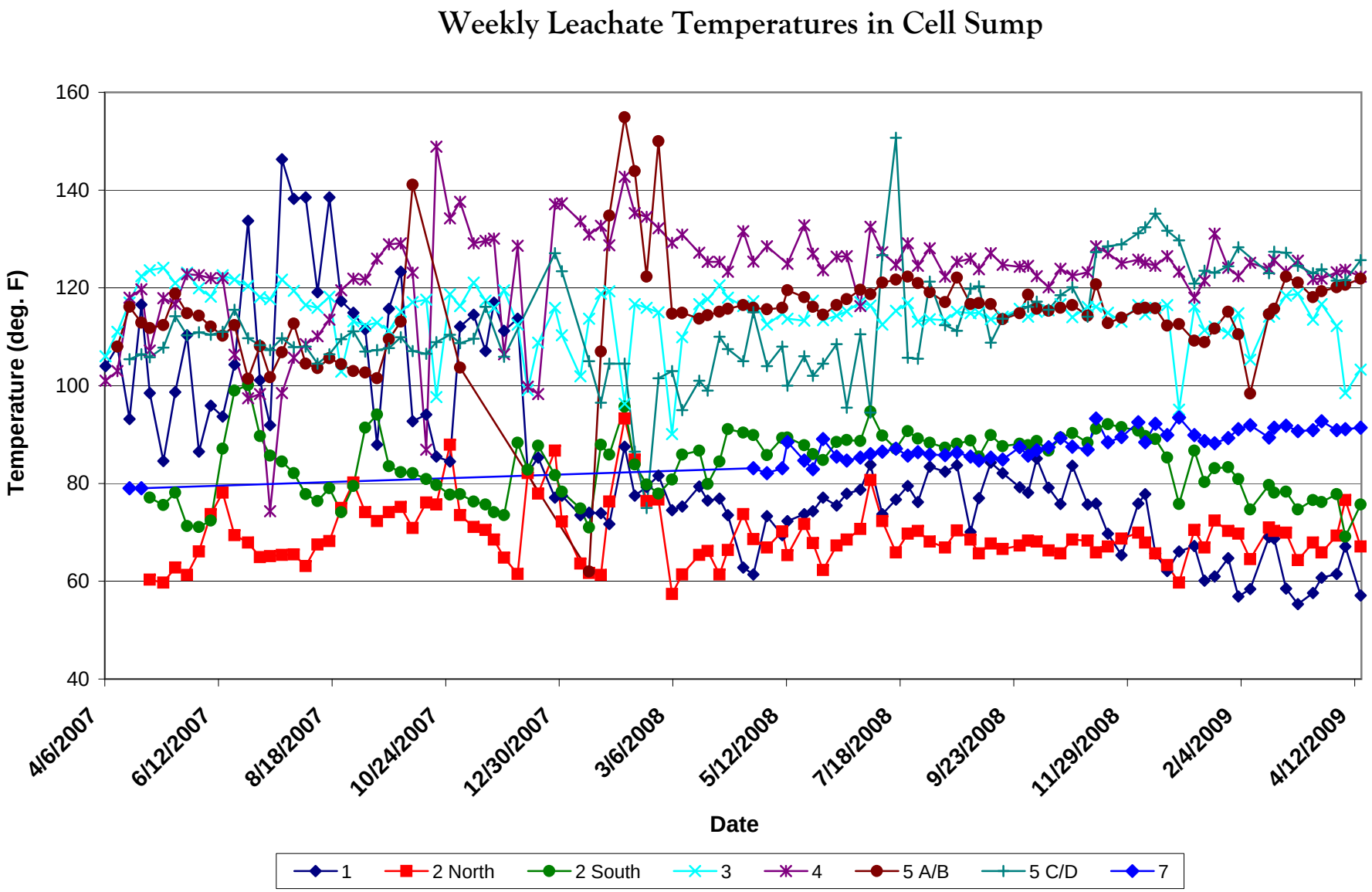
* The estimate of "required" or "goal" items may change as project progresses.

Note: This table presents one-time field activities and does not address recurring activities such as liquid level measurements, downhole temperature profiles, liquid sampling, etc.

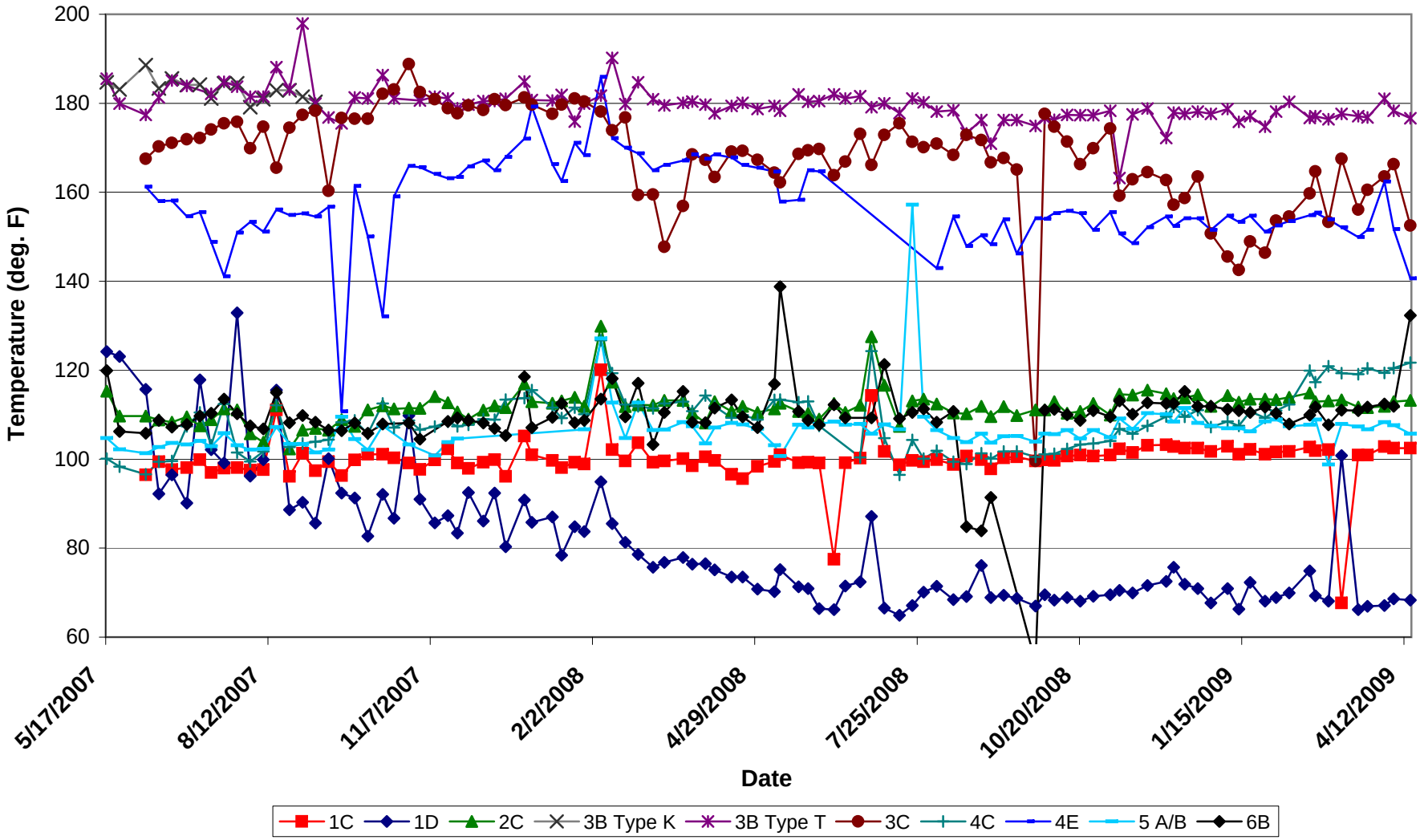
Table 2

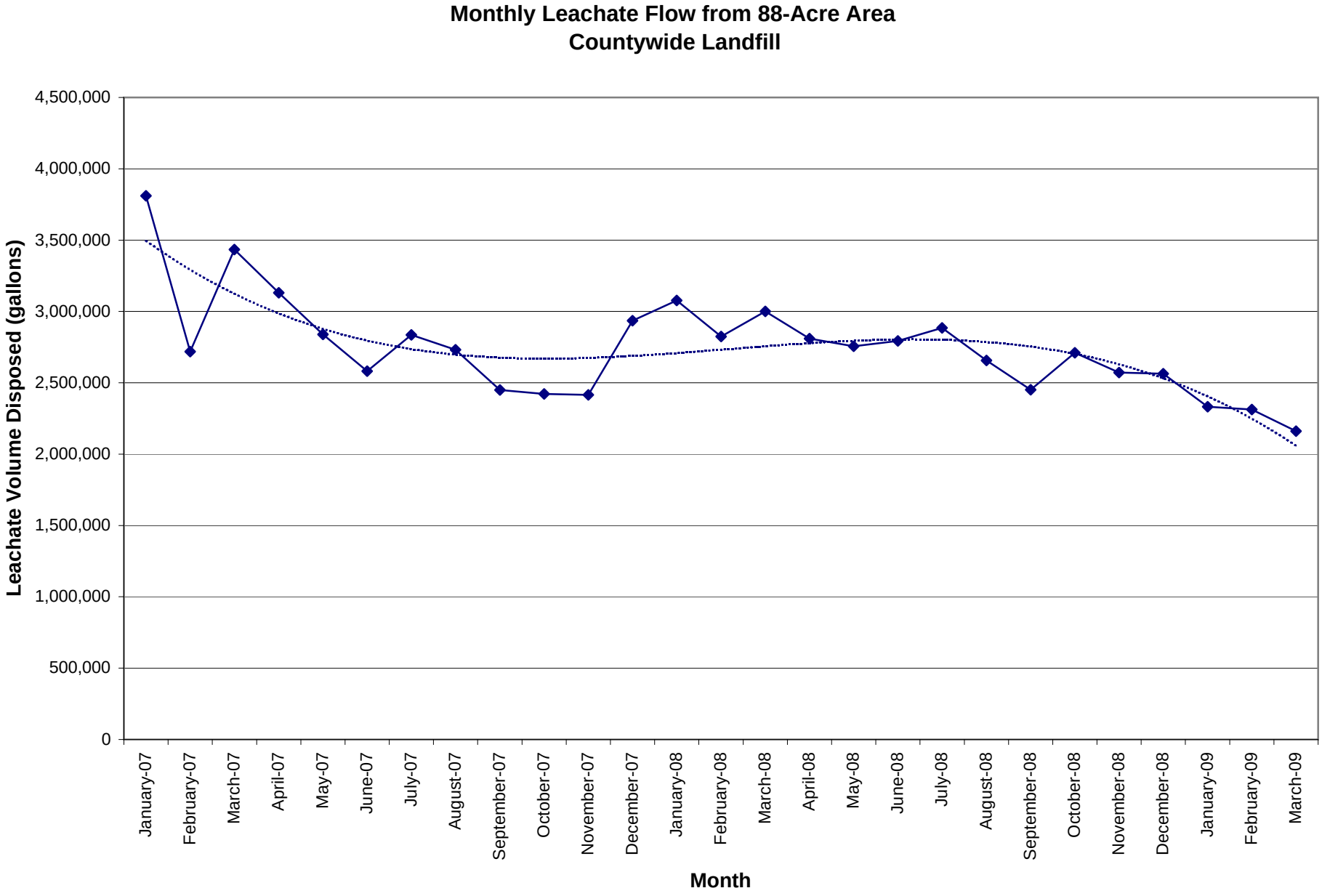
Log of Field Activities and Conditions
Per Order No. 2.B of Feb. 7, 2008 Orders

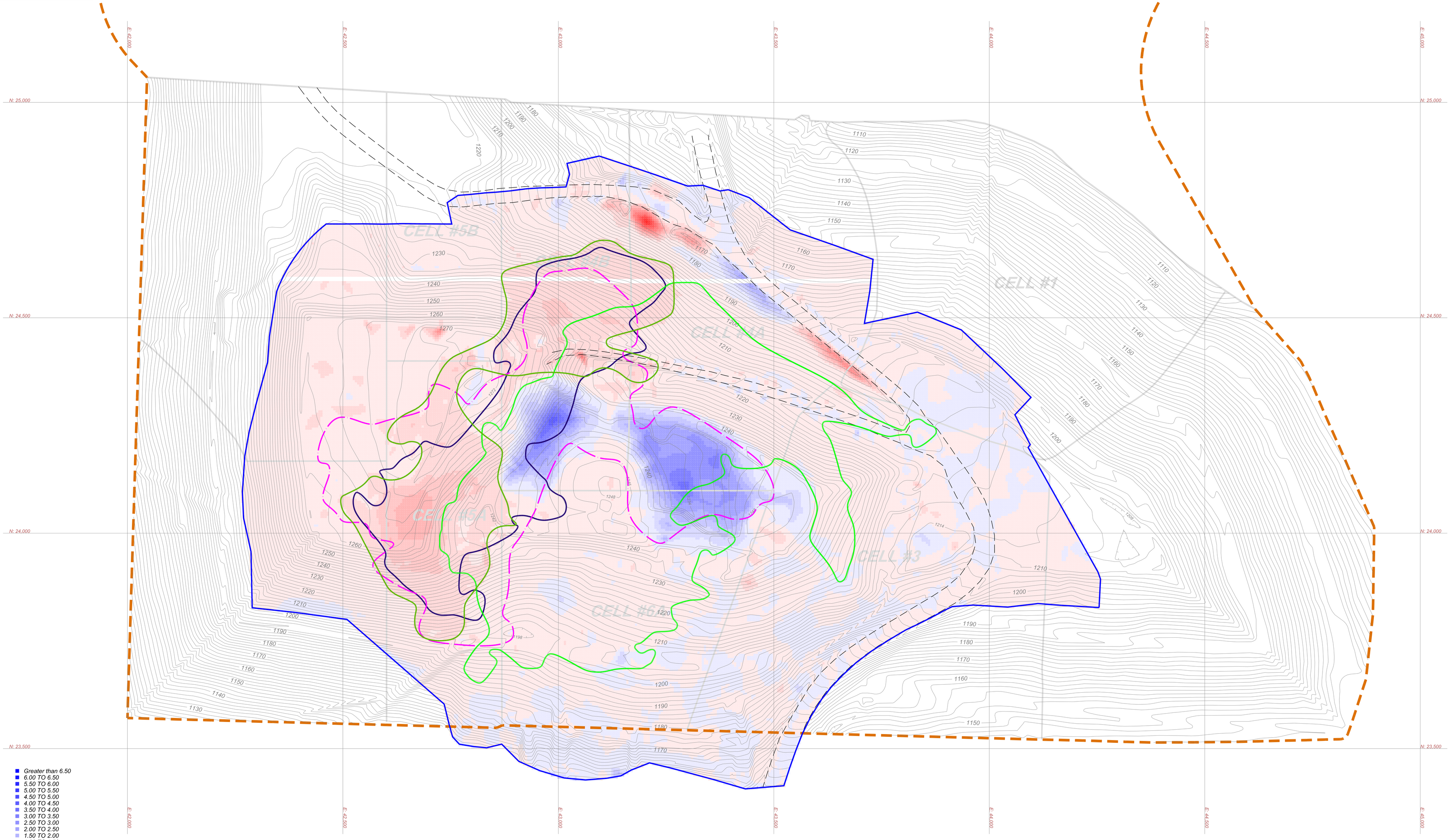
Date	Approx. Time	Contractor	Location	Field Activity or Potentially Odor-Causing Incident.
4/19/09	NA	NA	NA	No activity monitored
4/20/09	7:00 - 17:00	NA	NA	No activity monitored Due to heavy rain Contractors left site
4/21/09	7:30 - 15:00	AEG	88 acres	Blackhawk pump maintenance and O&M leachate sampling
4/22/09	7:00 - 17:00	AEG/Beaver	Cell 5/7 88 acres	AEG drilling in bowl. Flare1 shutdown. Pump maintenance. Beaver Iso Break excavation
4/23/09	7:30 - 11:00	AEG/Beaver	Cell 5/7 88 acres	AEG drilling in bowl. . Pump maintenance. Beaver Iso Break excavation
4/24/09	7:00-18:00	AEG/Beaver	Cell 5/7 88 acres	AEG drilling in bowl. Pump maintenance. Beaver Iso break excavation.


Weekly Leachate Temperatures in Cell Sump
Temperature (deg. F)
160
140
120
100
80
60
40
4/6/2007
6/12/2007
8/18/2007
10/24/2007
12/30/2007
3/6/2008
5/12/2008
7/18/2008
9/23/2008
11/29/2008
2/4/2009
4/12/2009
Date
1
2 North
2 South
3
4
5 A/B
5 C/D
7

Weekly Leachate Cleanout Riser Temperatures




Monthly Leachate Flow from 88-Acre Area
Countywide Landfill
Leachate Volume Disposed (gallons)
4,500,000
4,000,000
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
January-07
February-07
March-07
April-07
May-07
June-07
July-07
August-07
September-07
October-07
November-07
December-07
January-08
February-08
March-08
April-08
May-08
June-08
July-08
August-08
September-08
October-08
November-08
December-08
January-09
February-09
March-09
Month



- Greater than 6.50
- 6.00 TO 6.50
- 5.50 TO 6.00
- 5.00 TO 5.50
- 4.50 TO 5.00
- 4.00 TO 4.50
- 3.50 TO 4.00
- 3.00 TO 3.50
- 2.50 TO 3.00
- 2.00 TO 2.50
- 1.50 TO 2.00
- 1.00 TO 1.50
- 0.50 TO 1.00
- 0.00 TO 0.50
- 0.00 TO 0.00
- -0.50 TO 0.00
- -1.00 TO -0.50
- -1.50 TO -1.00
- -2.00 TO -1.50
- -2.50 TO -2.00
- -3.00 TO -2.50
- -3.50 TO -3.00
- -4.00 TO -3.50
- -4.50 TO -4.00
- -5.00 TO -4.50
- -5.50 TO -5.00
- -6.00 TO -5.50
- -6.50 TO -6.00
- Less than -6.50

LEGEND

- 1120 — TOP OF WASTE CONTOUR (5/29/08), CTR INT. = 2'
- EXISTING ROADS
- LIMIT OF TOPO/COMPARISON LIMIT
- EXTENT OF 0.5' SETTLEMENT BOUNDARY FOR 4-WEEK PERIOD (4/16/07 TO 5/14/07)
- EXTENT OF 0.5' SETTLEMENT BOUNDARY FOR 4-WEEK PERIOD (05/05/08 TO 06/02/08)
- EXTENT OF 0.5' SETTLEMENT BOUNDARY FOR 4-WEEK PERIOD (02/09/09 TO 03/09/09)
- EXTENT OF 0.5' SETTLEMENT BOUNDARY FOR 4-WEEK PERIOD (03/09/09 TO 04/06/09)

N W E S

0' 100' 200' 300'

COUNTYWIDE RDF

			REVISIONS
SCALE: 1" = 100', CTR=2'			
SURVEYED:			
DRAWN:	BWS	04/21/09	
CHECKED:	BWS	04/21/09	
REVISED DATE:			

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PROJECT:
88 Ac. & CELL 7 CUMULATIVE SETTLEMENT COMPARISON

SHEET TITLE:
COMPARING 03/09/09 TOPO TO 04/06/09 TOPO (COLOR CUT/FILL MAP)

FILE ID:
4-Week Front 03-09-09 to 04-06-09

APPENDIX B