

# Countywide Recycling and Disposal Facility

## Weekly Progress Report

04/17/09

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 11, 2009 to April 17, 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.**

<u>Attachment</u>	<u>Attachment No.</u>	<u>Comments</u>
Wellhead Temperature Graph	1	Updated April 10, 2009
Downhole Temp. Graph	2	<b>Updated April 17, 2009</b>
FBMP Max. In-Situ Temp. Graph	3	<b>Updated April 17, 2009</b>
Leachate Sump Temperature. Graph	5	Updated March 20, 2009
LCS Temperature Graph	6	Updated March 20, 2009
Weekly Cumulative Sett. Graph	7	<b>Updated April 17, 2009</b>
Quarterly Cumulative Sett. Graph	8	Updated March 27, 2009
CO Graph	9	<b>Updated April 17, 2009</b>
Leachate Volume Graph	10	Updated March 20, 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

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

### **AMBIENT AIR SAMPLING ACTIVITIES LOG**

See attached **Table 2**.

### **COMMENTARY ON DATA**

Average downhole temperatures within the reaction are have been increasing in the past two months as indicated on Attachment 2; this may be partially attributable to the overall warming of ambient temperatures. However, the March 2009 average downhole temperature (185.5 deg. F) is lower than the year-ago March 2008 value (189.7 deg. F).

Attachment 3 shows that the FBMP direct-buried thermocouple monitors continue to show very steady values. FBMP-1R has leveled off following a climb that indicated that a warm vapor front arrived at that location in the Dec. 2008 to Feb. 2009 timeframe.

Average carbon monoxide concentrations have trended slightly up in the reaction in the past two months (see Attachment 9). However, the volume of gas available from that area appears to be decreasing; therefore, it is believed that the volume of carbon monoxide being produced and extracted is also decreasing or steady.

Total settlement volume continues to trend downward suggesting an overall decrease in the extent and/or intensity of the reaction.

TABLE 1

WEEKLY PROGRESS REPORT FOR DECEMBER 31, 2007 F&Os  
 COUNTYWIDE LANDFILL  
 WEEK ENDING 04-17-09

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	

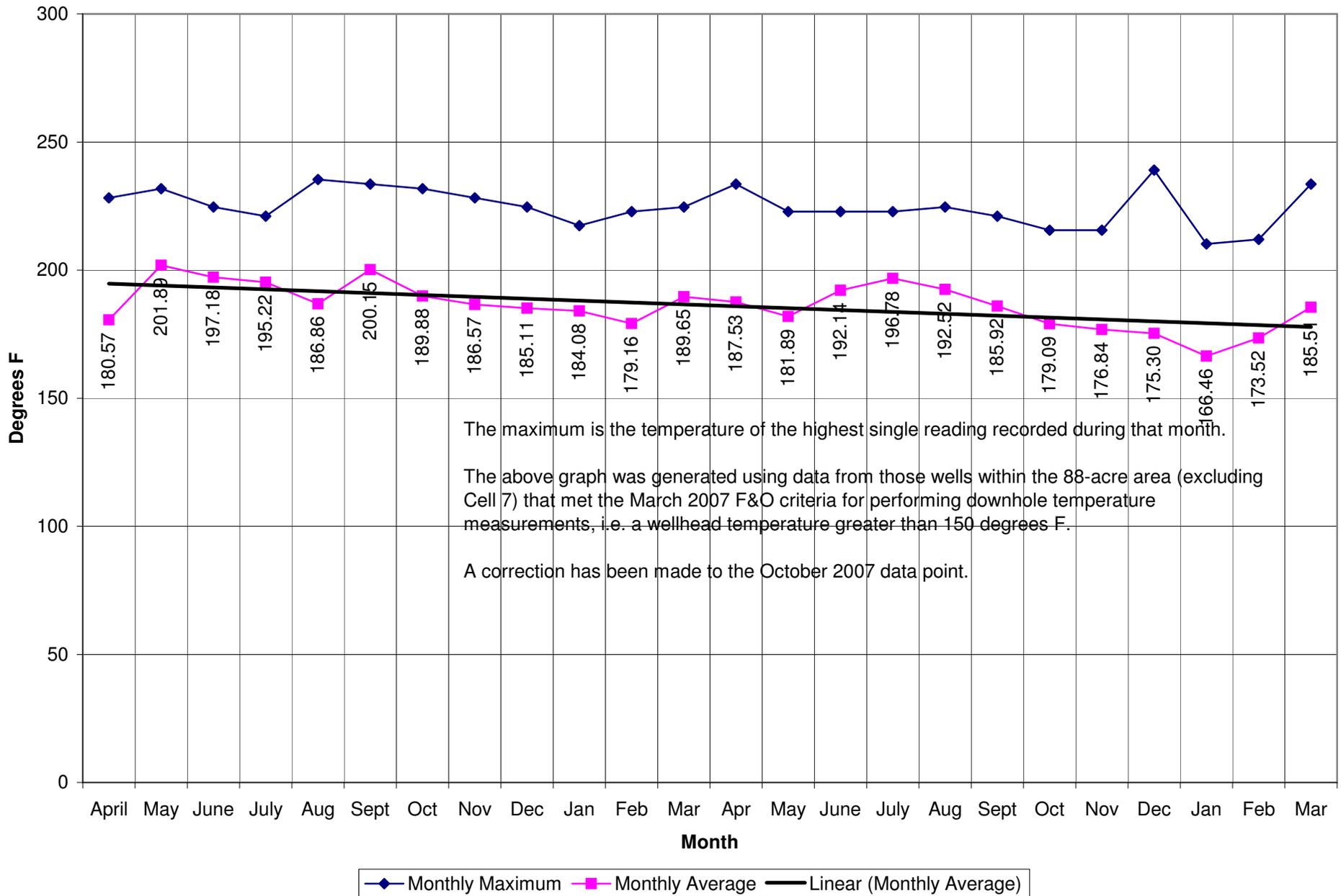
\* The estimate of "required" or "goal" items may change as project progresses.

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**

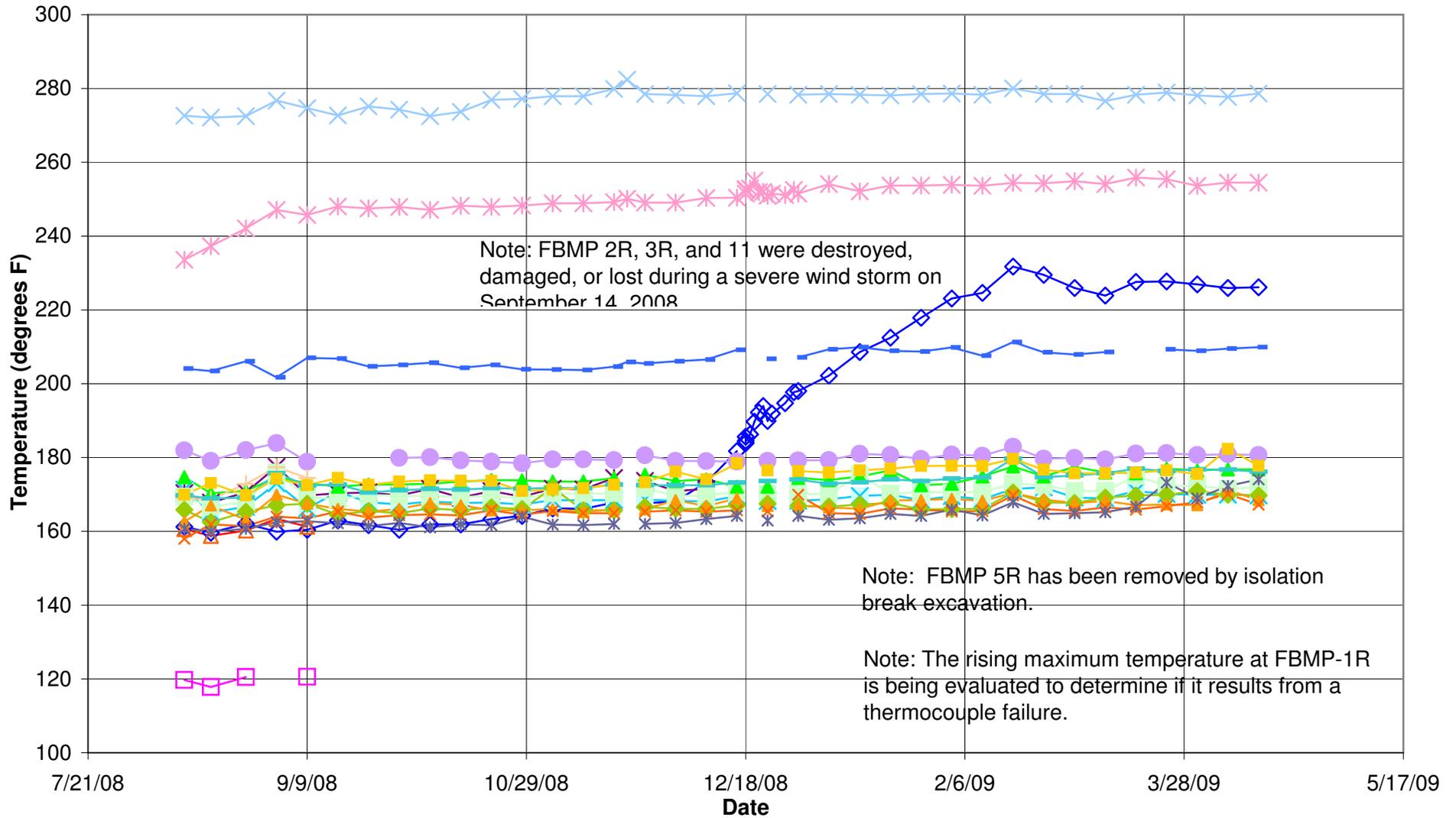
Date	Approx. Time	Contractor	Location	Field Activity or Potentially Odor-Causing Incident.
4/5/09	NA	NA	NA	No activities monitored.
4/6/09	7:00 - 17:00	AEG	88 acres	Blackhawk pump maintenance and O&M leachate sampling
4/7/09	7:30 - 16:15	Beaver	Cell 5/7	Beaver continued isolation break activities at Cell 5/7
4/7/09	7:00 - 17:00	AEG	88 acres	Blackhawk pump maintenance and O&M leachate sampling
4/8/09	7:30 - 16:30	Beaver	Cell 5/7	Beaver continued isolation break activities at Cell 5/7
4/8/09	7:00 - 17:00	AEG	top of Cell 5A	Decommissioning of RW-4
4/8/09	7:00 - 17:00	AEG	88 acres	Blackhawk pump maintenance and O&M leachate sampling
4/9/09	7:30 - 16:00	Beaver	Cell 5/7	Beaver continued isolation break activities at Cell 5/7
4/9/09	7:00 - 17:00	AEG	88 acres	Blackhawk pump maintenance and O&M leachate sampling
4/10/09	7:00 - 17:00	AEG	88 acres	Blackhawk pump maintenance and O&M leachate sampling
4/11/09	7:00 - 12:00	AEG	88 acres	Blackhawk pump checks/maintenance

## Downhole Temperatures Monthly Maximums and Averages

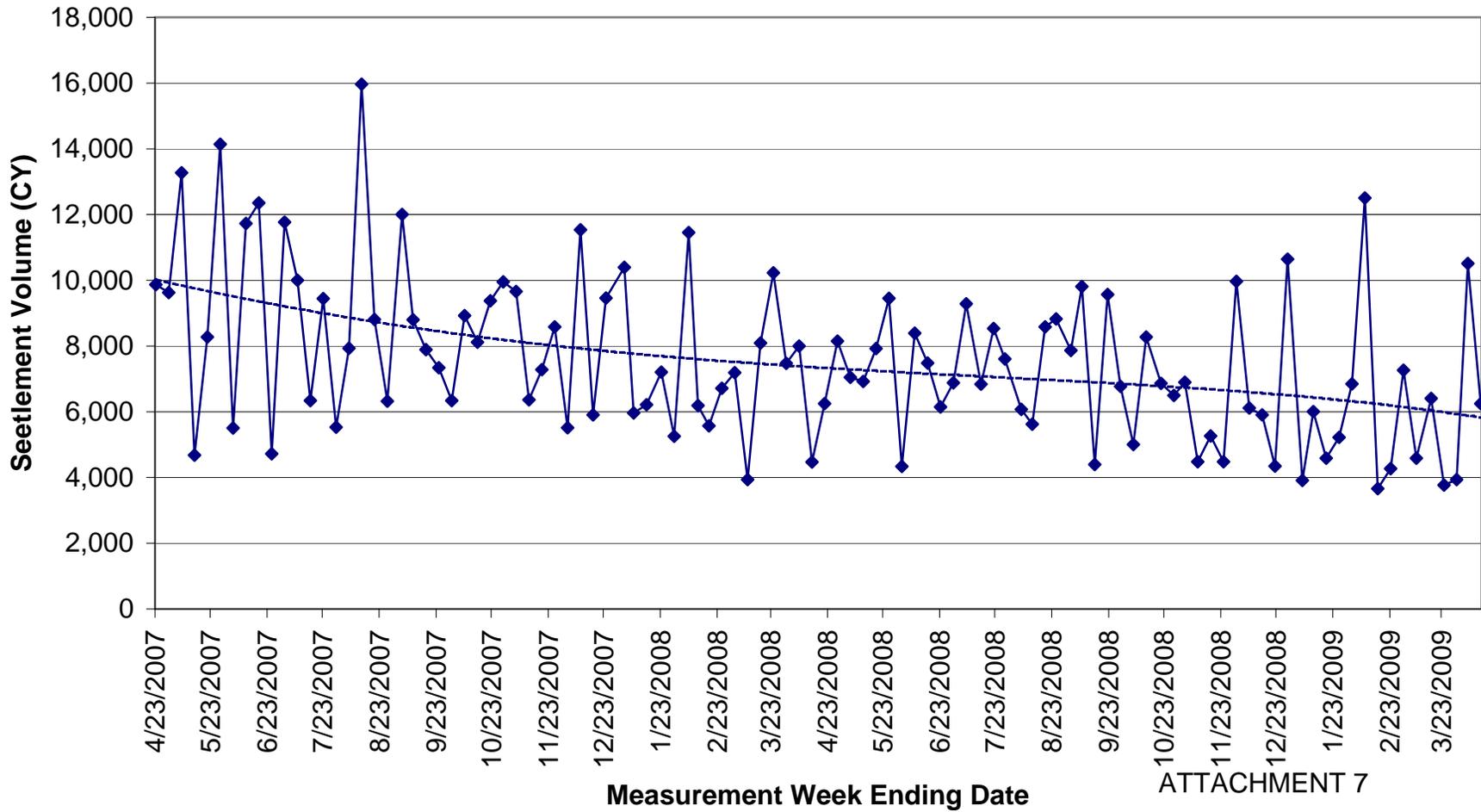


# In-situ Temperatures Maximum Readings per Date per FBMP Boring

## ATTACHMENT 3

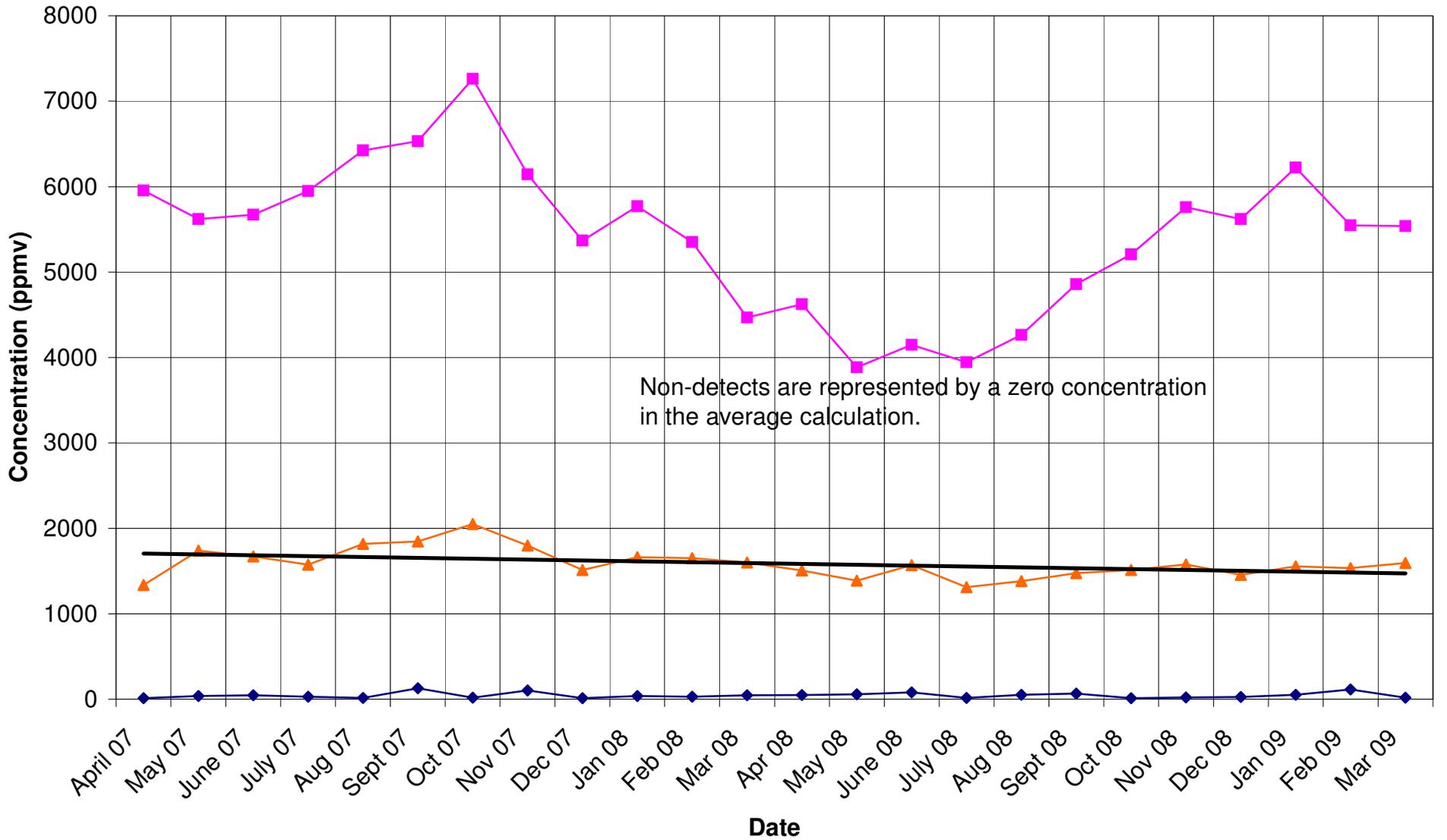


# Weekly Settlement Survey in "Reaction Area" Countywide Landfill



ATTACHMENT 7

## Carbon Monoxide Concentrations (Excluding Invalid Sample Results)



◆ Minimum Detected Concentration   
 ■ Maximum Concentration   
 ▲ Average Concentration   
 — Linear (Average Concentration)