

# Countywide Recycling and Disposal Facility

## Weekly Progress Report

05/02/08

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 26, 2008 to May 2, 2008.**

### **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 11, 2008
Downhole Temp. Graph	2	Updated April 11, 2008
FBMP Max. In-Situ Temp. Graph	3	Updated April 11, 2008
Inclinometer Max. In-Situ Temp. Graph	4	Updated April 11, 2008
Leachate Sump Temperature. Graph	5	Updated April 25, 2008
LCS Temperature Graph	6	Updated April 25, 2008
Weekly Cumulative Sett. Graph	7	<b>Updated May 2, 2008</b>
Quarterly Cumulative Sett. Graph	8	Updated April 11, 2008
CO Graph	9	<b>Updated May 2, 2008</b>
Leachate Volume Graph	10	Updated April 11, 2008
Leachate COD Graph	11	Updated April 11, 2008
Leachate TDS Graph	12	Updated April 11, 2008

<u>Appendices (transmitted separately)</u>	<u>Appendix No.</u>	<u>Comments</u>
Wellhead Temperature Zone Map	A	Updated April 11, 2008
4-Week Cumulative Sett. Front Map	B	Updated April 11, 2008
Carbon Monoxide Zone Map	C	<b>Updated May 2, 2008</b>

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

See attached Table 2.

### **OUTSTANDING ISSUES**

Significant documents pending OEPA review, comment, and/or approval:

- Fire Suppression Plan submitted May 25, 2007
- Permit-to-Install (PTI) "Needs Analysis" submitted May 29, 2007
- Data Reduction Request submitted September 6, 2007
- Dewatering and EGES Enhancement Work Plan submitted on Jan. 14, 2008
- West Slope Monitoring Reduction Request submitted on Jan. 16, 2008.
- Work Plan for Additional Ambient Air Testing, submitted Feb. 22, 2008
- Sampling Reduction Request, South Slope Gas Probes submitted March 24, 2008

**TABLE 1**  
**WEEKLY PROGRESS REPORT FOR DECEMBER 31, 2007 F&Os**  
**COUNTYWIDE LANDFILL**  
**WEEK ENDING 05-02-08**

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	All four RW wells were completed as of March 22, 2008. Currently various performance testing work is underway, while evaluations are being made to provide the proper pumps for the conditions and the recharge.
Install Perm. Dewatering Pumps and Infrastructure	ea.	44	44	0	44	0	Have fully satisfied the requirement to have at least 37 pumps in by Feb. 15. and have installed pumps in all wells as identified in the Dewatering Work Plan (which was submitted on Jan. 14). Freezing has limited the uptime of the pumps to this date. However, with warmer weather on the way, emphasis will now be placed on increasing uptime of pumps and working toward a fully-operation field.
Install 4-inch HDPE Liquid Discharge Line	l.f.	3200	3000	0	3000	0	Have fully satisfied the requirement for a minimum 37 gas wells required by Feb. 15.
Install 2-inch HDPE Air Supply Line	l.f.	10500	10300	0	10300	0	Have fully satisfied the requirement for a minimum 37 gas wells required by Feb. 15.
Install and Test Compressors	ea.	3	3	0	3	0	Two new compressors are in place and in service, meeting the F&O required schedule of Jan. 31. In addition, a third new compressor was put into service on April 8 to provide additional, reliable air supply to the pneumatically-powered gas well pumps.
Relocate Flares from Top of Landfill	ea.	2	1	0	1	0	The schedule for relocating the flares is May 12. One flare was relocated from the top of the landfill to a new pad on the north side of the landfill on April 9.
Install New Gas Wells	ea.	32 (original goal was 10)	32	0	32	0	Drilling of planned new gas wells was completed on April 25. The well drilling rig was demobilized.
Replace Compromised Wells	ea.	25 (original goal was 12)	19	2	21	0	The gas well drill rig has been demobilized. The remaining four gas wells need special materials and will be completed, possibly in May, after the materials arrive and the drill rig can remobilize.
Install Perm. Dewatering Pumps in New and Replacement Gas Wells	ea.	25	6	3	9	4	Water levels obtained in newly-installed gas wells indicates that several of the new wells require pumps per the objective of the Dewatering Plan. This process is ongoing.
Install 4-inch HDPE Liquid Discharge Line for new gas wells	l.f.	3000	1100	100	1200	600	Assessments are being made to determine if the new and replacement wells need a pump after the first liquid level monitoring event following installation. If a pump is needed, the air and liquid conveyance lines will be promptly installed.
Install 2-inch HDPE Air Supply Line for new gas wells	l.f.	5000	1100	100	1200	800	See above
Measure Achievable Drawdown	ea.	124	0	0	0	0	This process is scheduled to start after new and replacement wells are in place and after the pumping system has been operating well. Currently, this task is scheduled to begin May 20.
Establish Baseline Flow	ea.	1	0	0	0	0	This will be performed after measuring achievable drawdown and is estimated to be completed July 28.

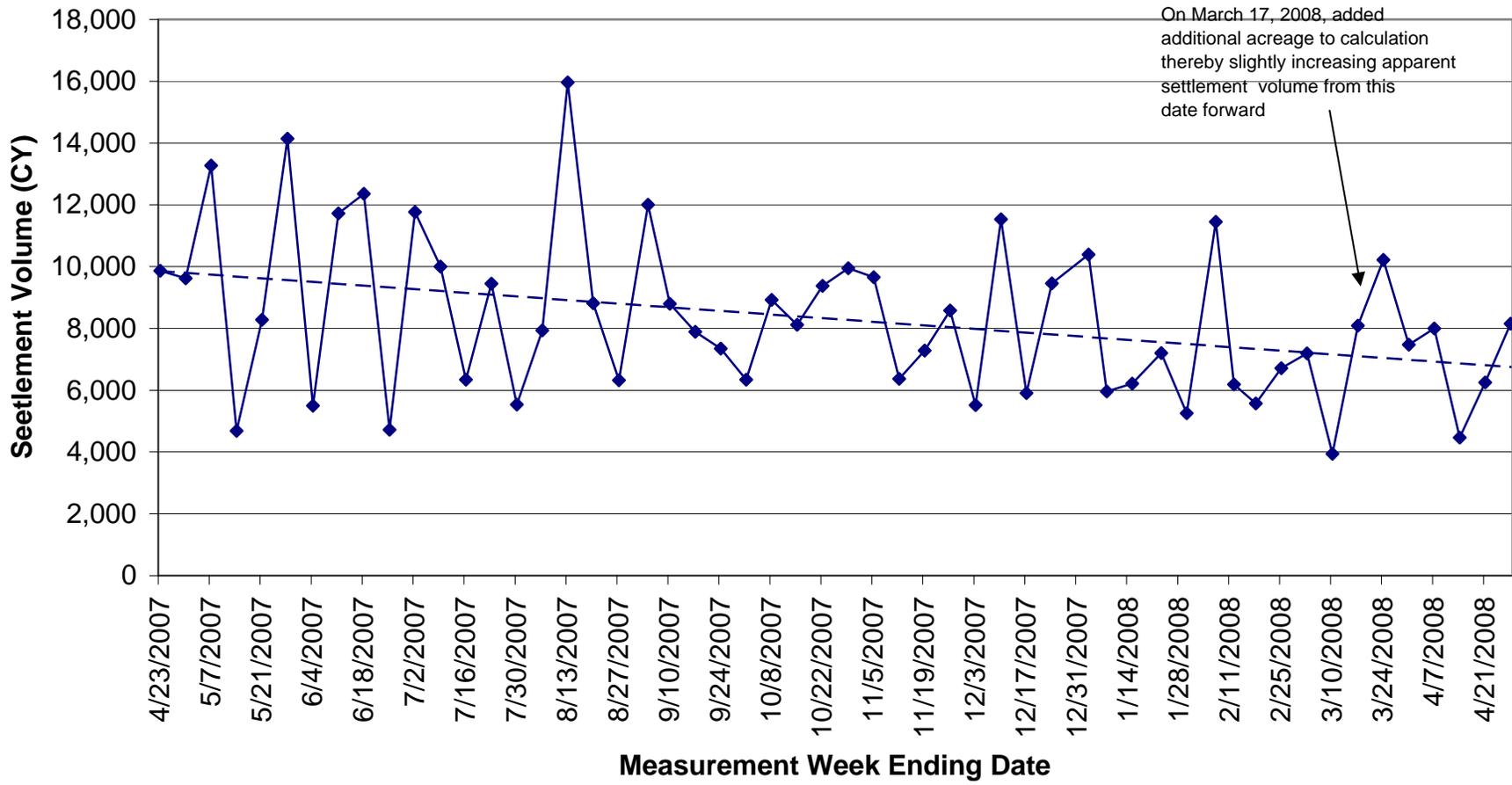
\* The estimate of "required" or "goal" items may change as project progresses.

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	Field Activity or Potentially Odor-Causing Incident.
4/20/08	N/A	N/A	No activities monitored.
4/21/08	8:30 - 18:00	AEG/Frontz	Well maintenance activities at Relief Well #4.
4/21/08	13:00 - 20:30	AEG	Drilling activities at PW 177, PW 178, PW 179 and W 32-R.
4/21/08	7:30 - 17:30	AEG	Blackhawk pump maintenance.
4/22/08	8:30 - 9:30	AEG	Well maintenance activities at Relief Well #1.
4/22/08	7:00 - 18:00	Frontz	Well maintenance activities at Relief Well #4.
4/22/08	13:00 - 17:00	AEG	Leachate outbreak at the temporary cap on Cell 7.
4/22/08	8:15 - 18:00	AEG	Drilling activities at PW 163-R.
4/22/08	7:30 - 17:30	AEG	Blackhawk pump maintenance.
4/23/08	8:00 - 11:00	AEG	Well maintenance activities at Relief Well #2.
4/23/08	7:00 - 18:00	Frontz	Well maintenance activities at Relief Well #4.
4/23/08	8:00 - 17:30	AEG	Drilling activities at U1R.
4/23/08	8:00 - 18:00	AEG	Excavation into the limits of waste for lateral installation.
4/23/08	7:00 - 17:30	AEG	Blackhawk pump maintenance.
4/24/08	8:00 - 11:30	AEG	Well maintenance activities at Relief Well #2.
4/24/08	7:00 - 16:30	Frontz	Well maintenance activities at Relief Well #4.
4/24/08	7:30 - 17:30	AEG	Blackhawk pump maintenance.
4/25/08	9:00 - 14:00	AEG	Well maintenance activities at Relief Well #4.
4/25/08	14:00 - 18:00	AEG	Liner repair in the temporary cap at Cell 7.
4/25/08	7:30 - 15:00	Frontz	Well maintenance activities at Relief Well #1.
4/25/08	7:45 - 20:00	AEG	Drilling activities at PW 332 and I1R.
4/25/08	15:00 -16:00	JMW	Well repair activities at SS-6.
4/25/08	7:00 - 17:00	AEG	Blackhawk pump maintenance.
4/26/08	11:30 - 12:30	AEG	Well maintenance activities at Relief Well #4.
4/26/08	7:15 - 12:30	AEG	Drilling activities at PW 181.
4/26/08	7:30 - 12:30	AEG	Blackhawk pump maintenance.

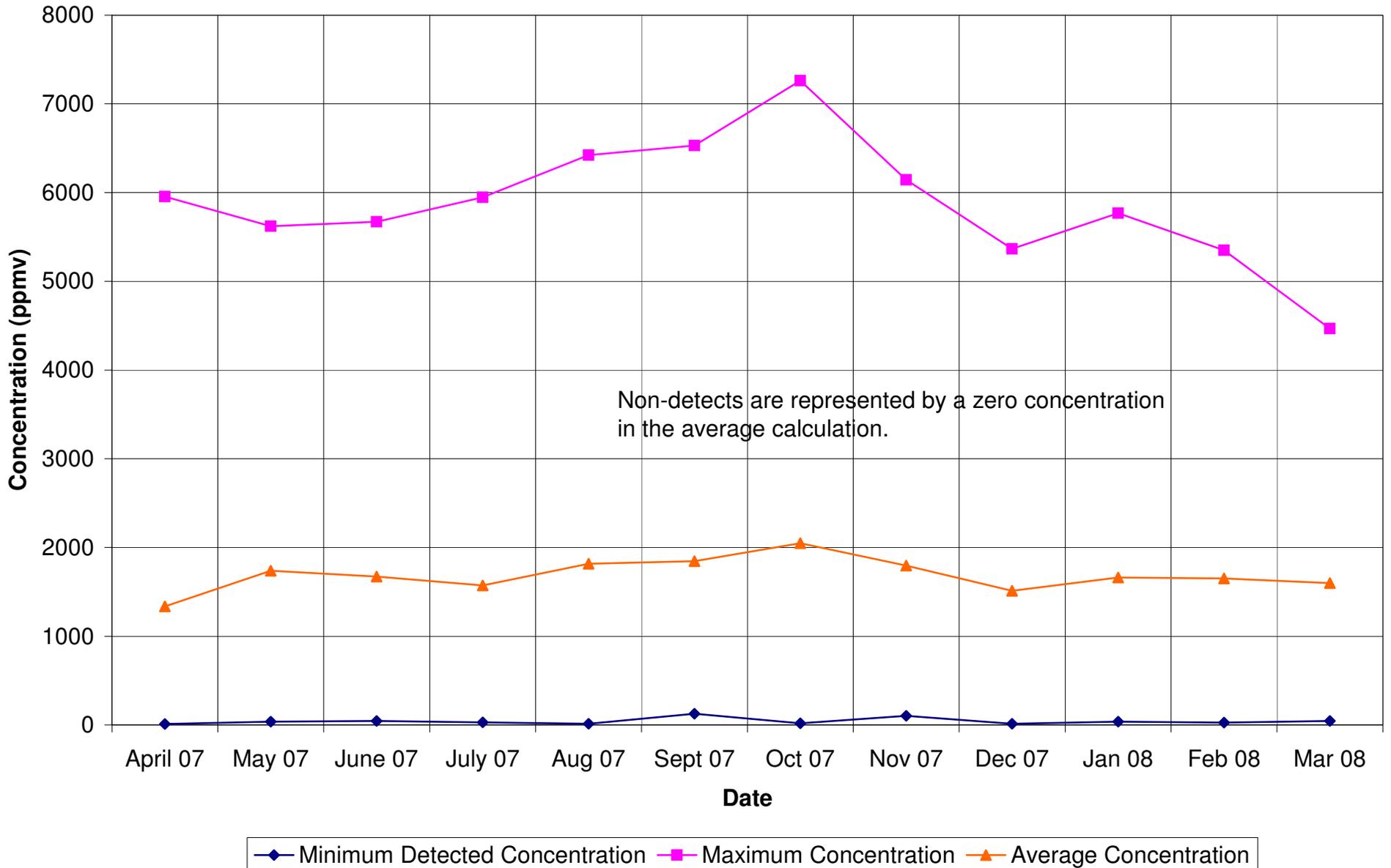
## Weekly Settlement Survey in "Reaction Area" Countywide Landfill

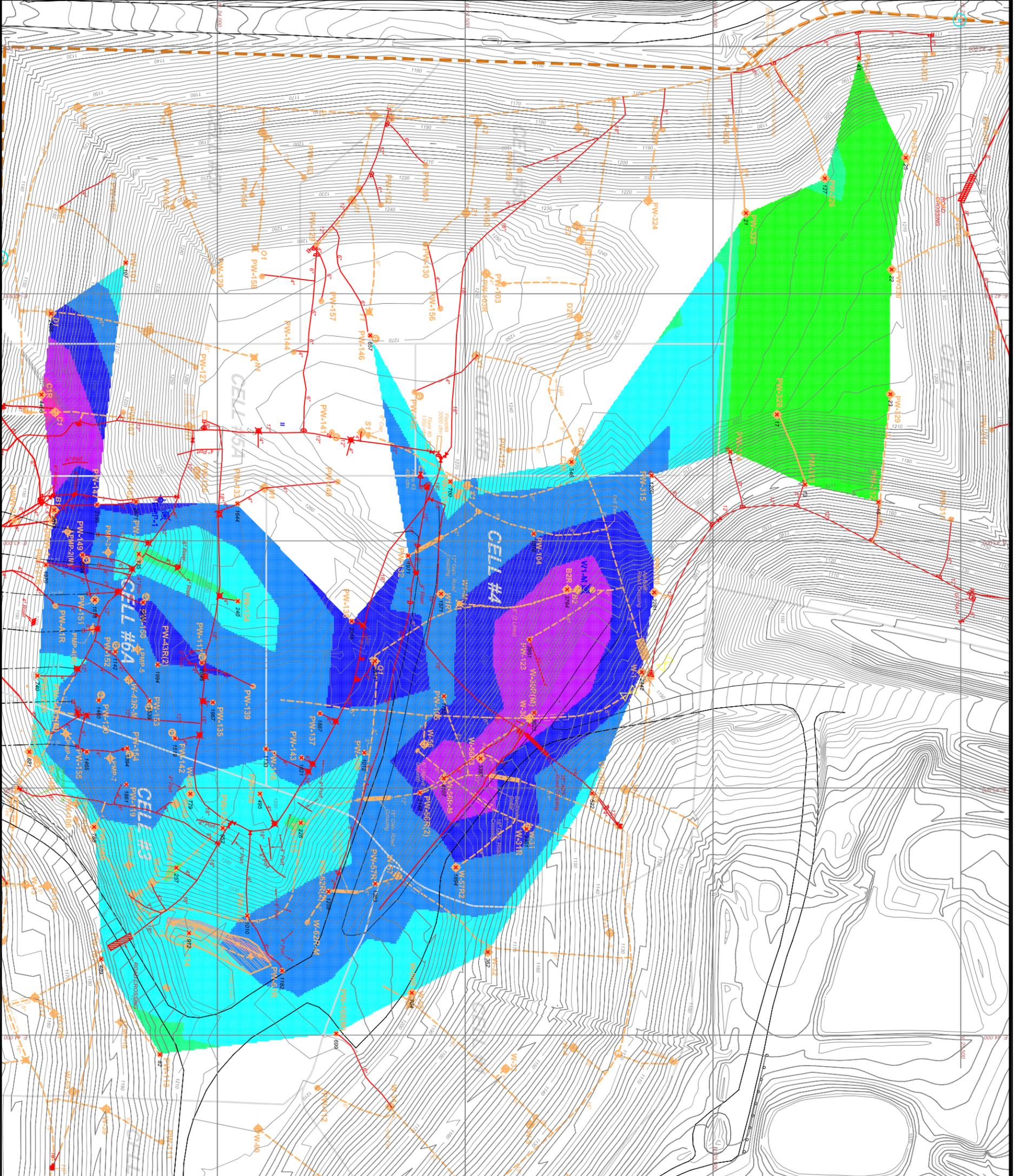


ATTACHMENT 7

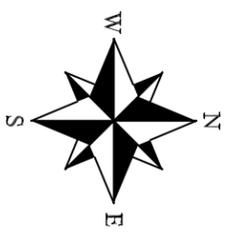
Series1 Linear (Series1)

## Carbon Monoxide Concentrations (Excluding Invalid Sample Results)





- (14.19 Acres) UNITS IN PPM**
- < 100 (2.00 Acres)
  - 100 to 300 (26.77 Acres)
  - 300 to 1000 (35.01 Acres)
  - 1000 to 2000 (14.41 Acres)
  - 2000 to 3000 (7.45 Acres)
  - 3000 to 4000 (0.18 Acres)
  - 4000 to 5000 (0.0 Acres)
  - > 5000 (0.0 Acres)



**COUNTYWIDE RDF**

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PROJECT: GAS CONTROL COLLECTION SYSTEM

SHEET TITLE: WELL CARBON MONOXIDE MARCH 2008

APPENDIX C

REVISIONS	
SCALE: 1" = 200'	
SURVEYED: LJB 4/24/08	
DRAWN: LJB 4/24/08	
CHECKED: BMS 4/24/08	
REVISED DATE:	