

# Countywide Recycling and Disposal Facility

## Weekly Progress Report

### 02/29/08

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 February 23, 2008 to February 29, 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 Feb 15, 2008
Downhole Temp. Graph	2	Updated Feb. 15, 2008
FBMP Max. In-Situ Temp. Graph	3	Updated Feb. 15, 2008
Inclinometer Max. In-Situ Temp. Graph	4	Updated Feb. 15, 2008
Leachate Sump Temperature. Graph	5	Updated Feb. 22, 2008
LCS Temperature Graph	6	Updated Feb. 22, 2008
Weekly Cumulative Sett. Graph	7	Updated Feb. 22, 2008
Quarterly Cumulative Sett. Graph	8	Updated Jan. 4, 2008
CO Graph	9	Updated Feb. 1, 2008
Leachate Volume Graph	10	Updated Feb. 8, 2008
Leachate COD Graph	11	<b>Updated Feb. 29, 2008</b>
Leachate TDS Graph	12	<b>Updated Feb. 29, 2008</b>
<u>Appendices (transmitted separately)</u>	<u>Appendix No.</u>	<u>Comments</u>
Wellhead Temperature Zone Map	A	Updated Feb. 1, 2008
4-Week Cumulative Sett. Front Map	B	<b>Updated Feb. 29, 2008</b>
Carbon Monoxide Zone Map	C	Updated Feb. 1, 2008

#### **COMMENTARY ON DATA**

Although there is quite a bit of variability, Attachments 11 and 12 continue to show trends last noted on Feb. 8; decreasing COD and increasing or steady TDS may be showing that the capping has had the effect of allowing leachate to age and concentrate—a desired effect of capping.

Updated Appendix B shows a continued reduction in settlement effects to the northeast, east, and southeast with continued advancement to the northwest and southwest, accompanied by an overall decrease in the area affected by accelerated settlement.

## **AMBIENT AIR SAMPLING ACTIVITIES LOG**

See Table 2.

## **OUTSTANDING ISSUES**

Significant documents pending 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.

TABLE 1

**WEEKLY PROGRESS REPORT FOR DECEMBER 31, 2007 F&Os  
COUNTYWIDE LANDFILL  
WEEK ENDING 02-29-08**

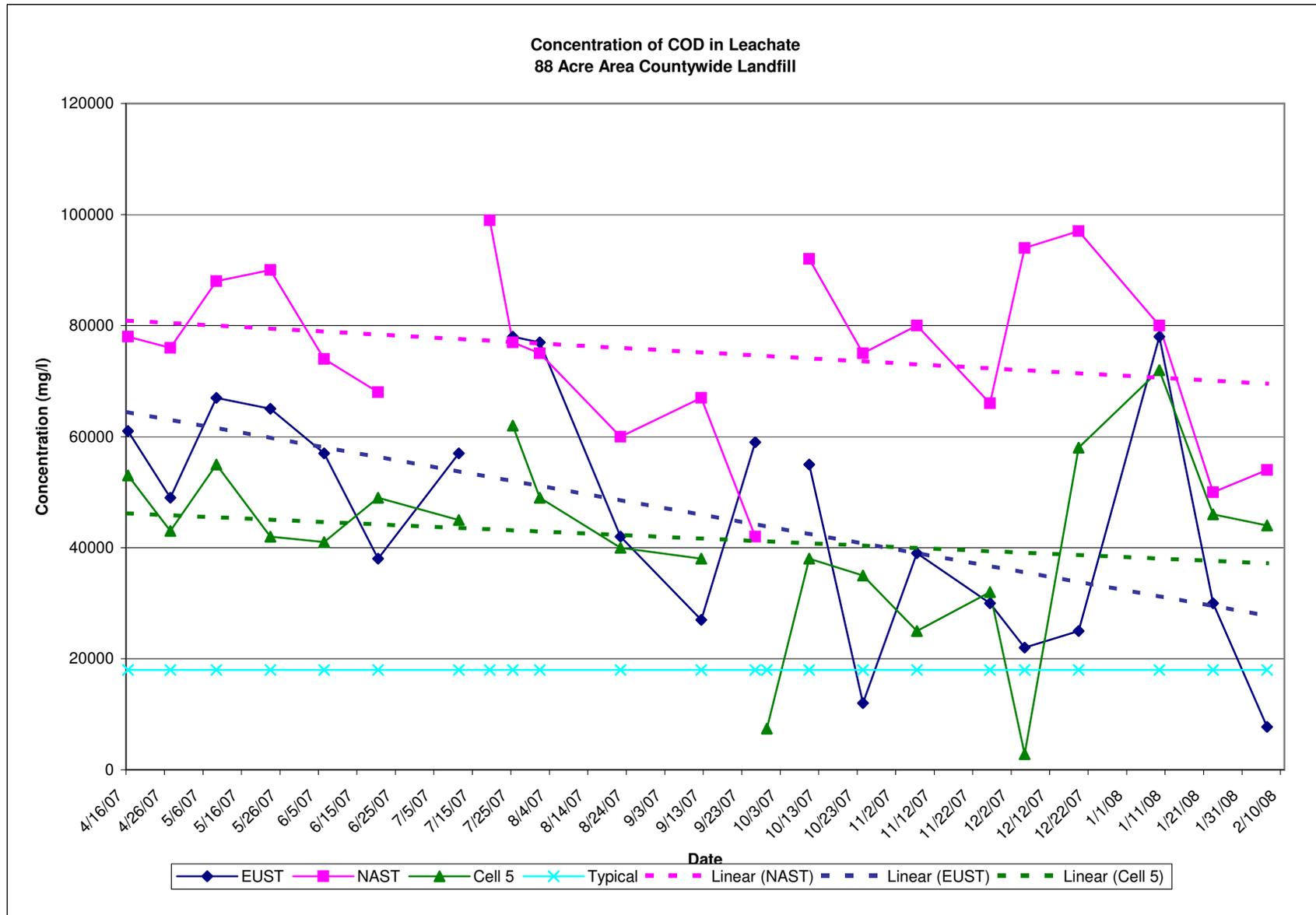
Work Item	Units of Measure	Estimated Required or Goal*	Previously Completed	Completed This Period	Total Completed to Date	Est. to be Completed Next Week	Comments
Install Vertical Relief Wells	ea.	4	0	0	0	1	Layne-Christensen remobilized on Wednesday, Feb. 27. By Friday, Feb. 29, Layne was trying to remove material from the bored RW-1 to allow well installation. Cold weather has hampered the rotary drilling progress, so on Feb. 20., Countywide submitted a request to extend the deadline for installing the first two RW wells until March 14. The remaining wells are still scheduled to be completed by March 28.
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). 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.	2	2	0	2	0	Both new compressors are in place and in service, meeting the F&O required schedule of Jan. 31. It has been determined that a third, large electric air compressor will be needed to supply the 99 pumps currently installed. The compressor has been ordered.
Relocate Flares from Top of Landfill	ea.	2	0	0	0	0	The committed schedule for relocating the flares is May 12. No work was performed this period due to poor weather and access conditions.
Install New Gas Wells	ea.	11	0	0	0	4	New gas well drilling will begin, Monday, March 3. It is estimated that AEG will average one well per day, with completion of all new and replacement gas wells around the end of March.
Replace Compromised Wells	ea.	19	0	4	4	1	Gas well drilling began on Tuesday, Feb. 26. It is estimated that AEG will average one well per day, with completion around the end of March. Countywide has added 7 additional replacement wells to the list from the list provided in the Dewatering and EGES Enhancement Work Plan, and may add more yet.
Install 4-inch HDPE Liquid Discharge Line for new gas wells	l.f.	600	0	0	0	0	An assessment will be 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.	1000	0	0	0	0	An assessment will be 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.
Measure Achievable Drawdown	ea.	99	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 2.

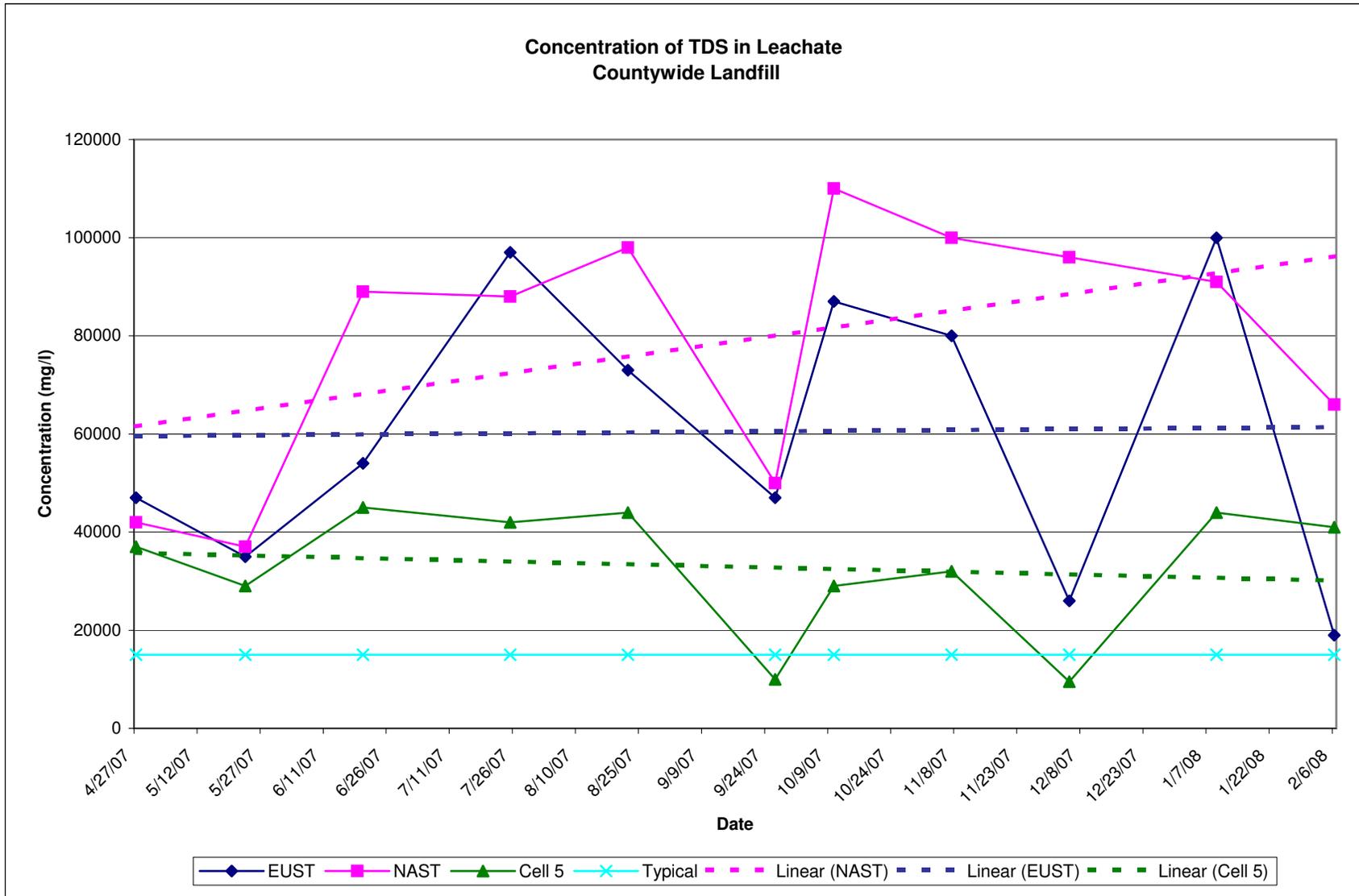
\* The estimate of "required" or "goal" items may change as project progresses.

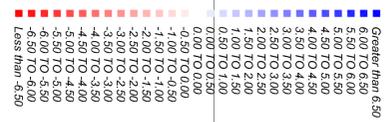
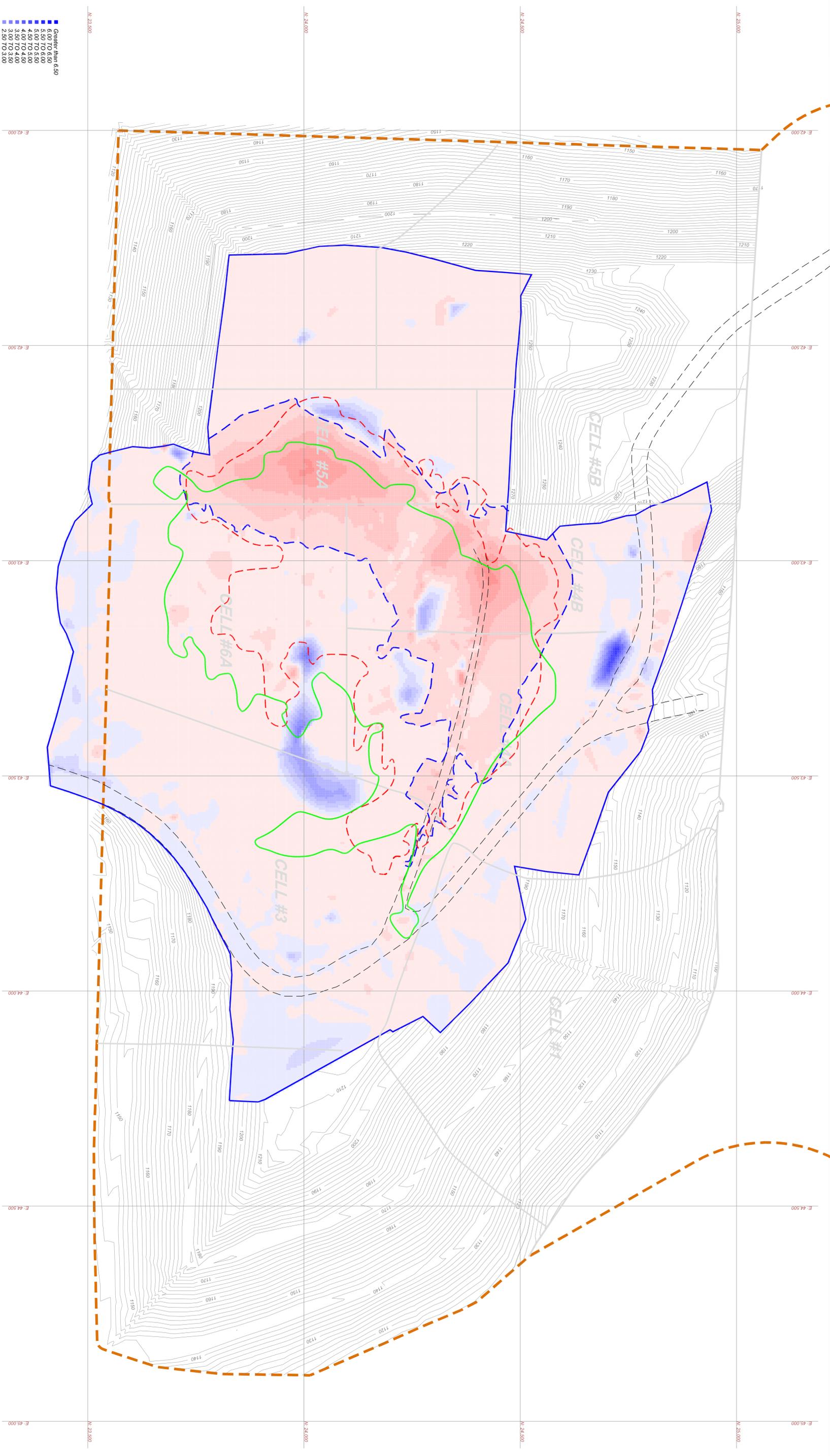
Note: This table presents one-time field activities and does not address recurring activities such as liquid level measurements, downhole temperature profiles, liquid sampling, etc.

**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
2/17/08	7 AM - 5 PM	N/A	No significant activity.
2/18/08	7 AM - 5 PM	AEG	Blackhawk pump maintenance. Relief Well #1 drilling location, odors related to drilling.
2/19/08	7 AM - 5 PM	Layne/Reynolds	Relief Well #1 drilling location, odors related to drilling.
2/20/08	7 AM - 2:30 PM	AEG	Super KOP excavated at south slope of Cell 5.
	7 AM - 5 PM	Layne/Reynolds	Relief Well #1 drilling location, odors related to drilling.
2/21/08	7:30 AM - 5 PM	AEG	Tear in temporary cap on top of 88 Acre footprint, about 2' x 2' in size; repaired by AEG before 12:00 pm.
2/22/08	7 AM - 5 PM	AEG	Blackhawk pump maintenance
	10-11 AM	Layne/Reynolds	Relief Well #1 drilling location, odors, condensation related to drilling.
	7 AM - 5 PM	Layne/Reynolds	Relief Well #1 drilling location, odors related to drilling.
	8:30AM - 2 PM	AEG	Repair activities North of Cell 5 A/B riser.
2/23/08	8AM- 12PM	AEG	Blackhawk pump maintenance







**LEGEND**

--- 1:20 --- TOP OF WASTE CONTOUR (9/12/07), CTR INT. ± 2'

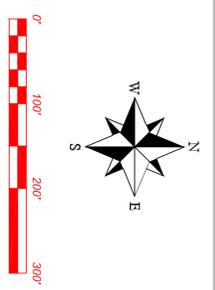
--- EXISTING ROADS

--- LIMIT OF TOPO/COMPARISON LIMIT

--- EXTENT OF O.E. SETTLEMENT BOUNDARY FOR 4 WEEK PERIOD (4/16/07 TO 5/14/07)

--- EXTENT OF O.E. SETTLEMENT BOUNDARY FOR 4 WEEK PERIOD (10/22/07 TO 11/9/07)

--- EXTENT OF O.E. SETTLEMENT BOUNDARY FOR 4 WEEK PERIOD (01/14/08 TO 02/11/08)



<p>DIVERSIFIED ENGINEERING INC. 227 Pied Avenue, NE New Providence, OH 44843</p>	SCALE: 1" = 100' CTR ± 2'	REVISIONS	<b>COUNTYWIDE RDF</b> PROJECT: 88 AC. & CELL 7 CUMULATIVE SETTLEMENT COMPARISON SHEET TITLE: COMPARING 1/14/07 TOPO TO 02/1/08 TOPO (COLOR CUT/FILL MAP) FILE ID: 021516.dwg 02/15/08 09:15:08 AM
	SURVEYED:		
	DRAWN: CWH 10/25/08		
	CHECKED: BMS 10/25/08		
REVISED DATE:			