

Countywide Recycling and Disposal Facility

Weekly Progress Report

03/07/08

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 March 1, 2008 to March 7, 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 March 7, 2008 |
| Inclinometer Max. In-Situ Temp. Graph | 4 | Updated March 7, 2008 |
| Leachate Sump Temperature. Graph | 5 | Updated Feb. 22, 2008 |
| LCS Temperature Graph | 6 | Updated Feb. 22, 2008 |
| Weekly Cumulative Sett. Graph | 7 | Updated March 7, 2008 |
| Quarterly Cumulative Sett. Graph | 8 | Updated Jan. 4, 2008 |
| CO Graph | 9 | Updated Feb. 1, 2008 |
| Leachate Volume Graph | 10 | Updated March 7, 2008 |
| Leachate COD Graph | 11 | Updated Feb. 29, 2008 |
| Leachate TDS Graph | 12 | Updated Feb. 29, 2008 |

| <u>Appendices (transmitted separately)</u> | <u>Appendix No.</u> | <u>Comments</u> |
|--|---------------------|------------------------------|
| Wellhead Temperature Zone Map | A | Updated March 7, 2008 |
| 4-Week Cumulative Sett. Front Map | B | Updated Feb. 29, 2008 |
| Carbon Monoxide Zone Map | C | Updated Feb. 1, 2008 |

AMBIENT AIR SAMPLING ACTIVITIES LOG

See attached Table 2.

OUTSTANDING ISSUES

Significant documents pending OEPA 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
- South Slope Phase II Investigation Work Plan submitted on March 3, 2008

TABLE 1

**WEEKLY PROGRESS REPORT FOR DECEMBER 31, 2007 F&Os
COUNTYWIDE LANDFILL
WEEK ENDING 03-07-08**

| 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 | 1 | 1 | 2 | RW-1 was completed by Layne this week and AEG installed the pump, air supply line and liquid removal line. Then, Layne mobilized the drill rig on to RW-3 to begin drilling it on Monday, March 10. Another drilling company, Frontz Drilling, was mobilized to accelerate production; Frontz will begin drilling RW-2 on March 10, 2008 (work on RW-2 was scheduled to start on Friday, March 7 but was postponed due to snowstorm). |
| 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 | 2 | 2 | 1 | New gas well drilling began on, 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 | 4 | 1 | 5 | 3 | 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 28. |

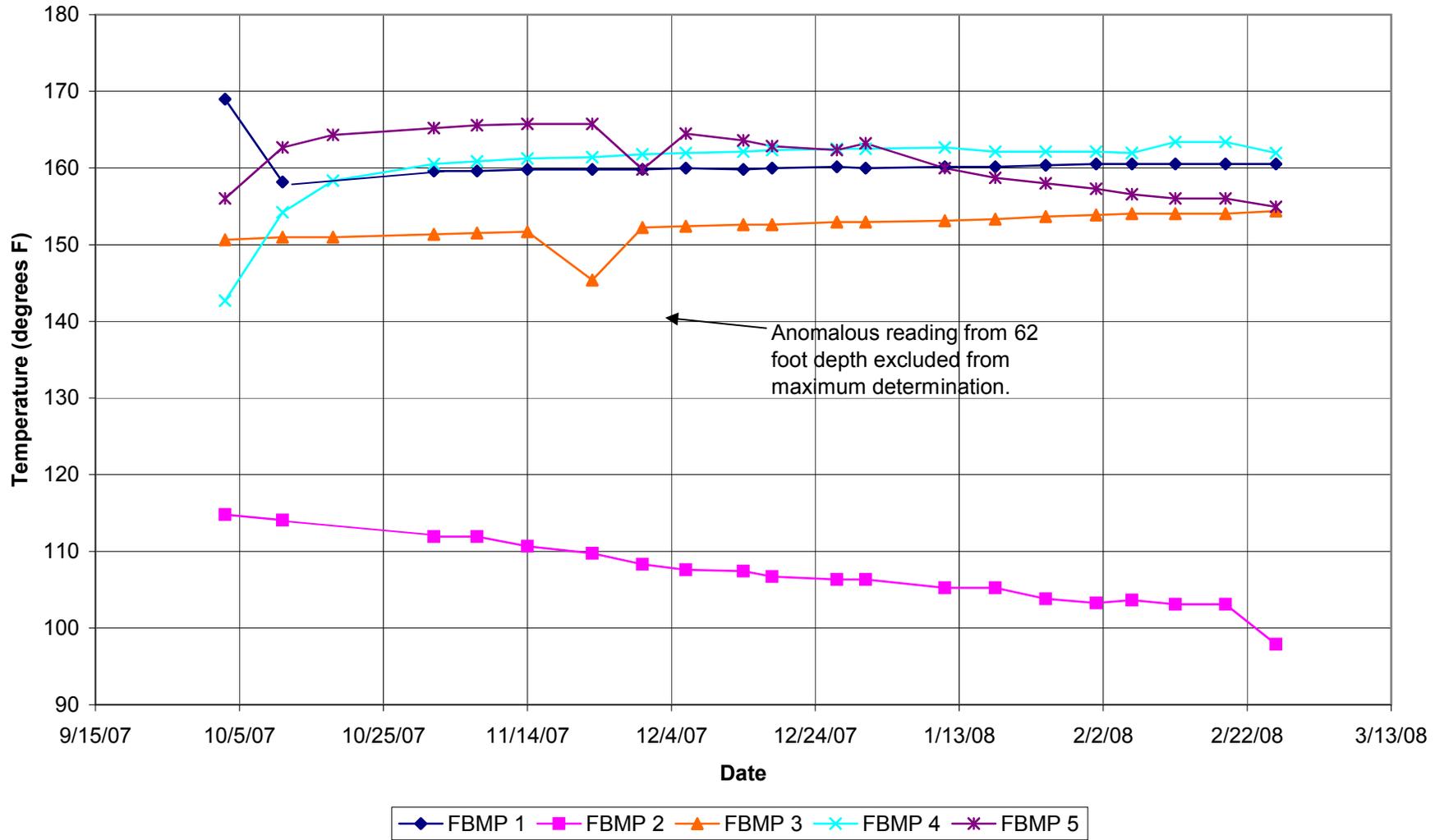
* The estimate of "required" or "goal" items may change as project progresses.

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.

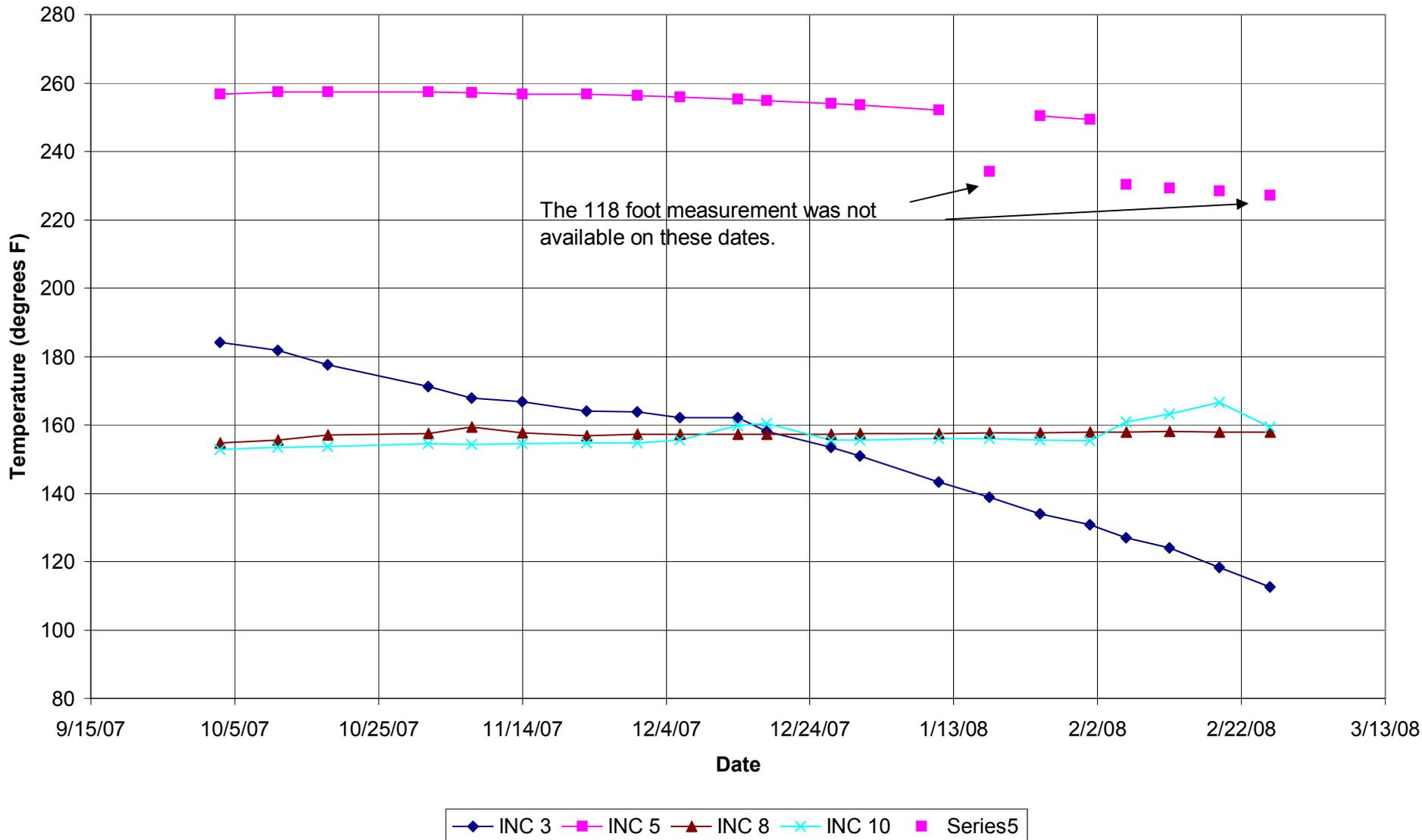
Table 2
Log of Field Activities and Conditions
Per Order No. 2.B of Feb. 7, 2008 Orders

| Date | Approx. Time | Contractor | Field Activity or Potentially Odor-Causing Incident |
|---------|--------------|------------|---|
| 2/24/08 | 7 AM - 5 PM | N/A | No significant activity. |
| 2/25/08 | 7 AM - 5 PM | AEG | Blackhawk pump maintenance. Relief Well #1 drilling location, odors related to well activity. |
| 2/26/08 | 7 AM - 5 PM | AEG | Blackhawk pump maintenance. Relief Well #1 drilling location, odors related to well activity. |
| 2/26/08 | 7 AM - 6 PM | AEG | Blackhawk pump maintenance. |
| 2/26/08 | 7 AM - 6 PM | AEG | New Well drilling at T1-R |
| 2/27/08 | 7 AM - 6 PM | AEG | New Well drilling at N1-R |
| 2/27/08 | 7 AM - 6 PM | AEG | Blackhawk pump maintenance. |
| 2/28/08 | 7 AM - 6 PM | AEG | Blackhawk pump maintenance. |
| 2/28/08 | 7 AM - 6 PM | AEG | New Well drilling at S1-R |
| 2/28/08 | 7 AM - 5 PM | Layne | Resumed well drilling activities at RW-1. |
| 2/29/08 | 7 AM - 6 PM | Layne | Continued well drilling activities at RW-1. |
| 2/29/08 | 7 AM - 6 PM | AEG | New Well drilling at 132-R |
| 2/29/08 | 7 AM - 6 PM | AEG | Blackhawk pump maintenance. |
| 3/1/08 | 8AM- 12PM | AEG | Blackhawk pump maintenance |
| 3/1/08 | 7 AM- 4 PM | Layne | Completed well drilling activities at RW-1. |

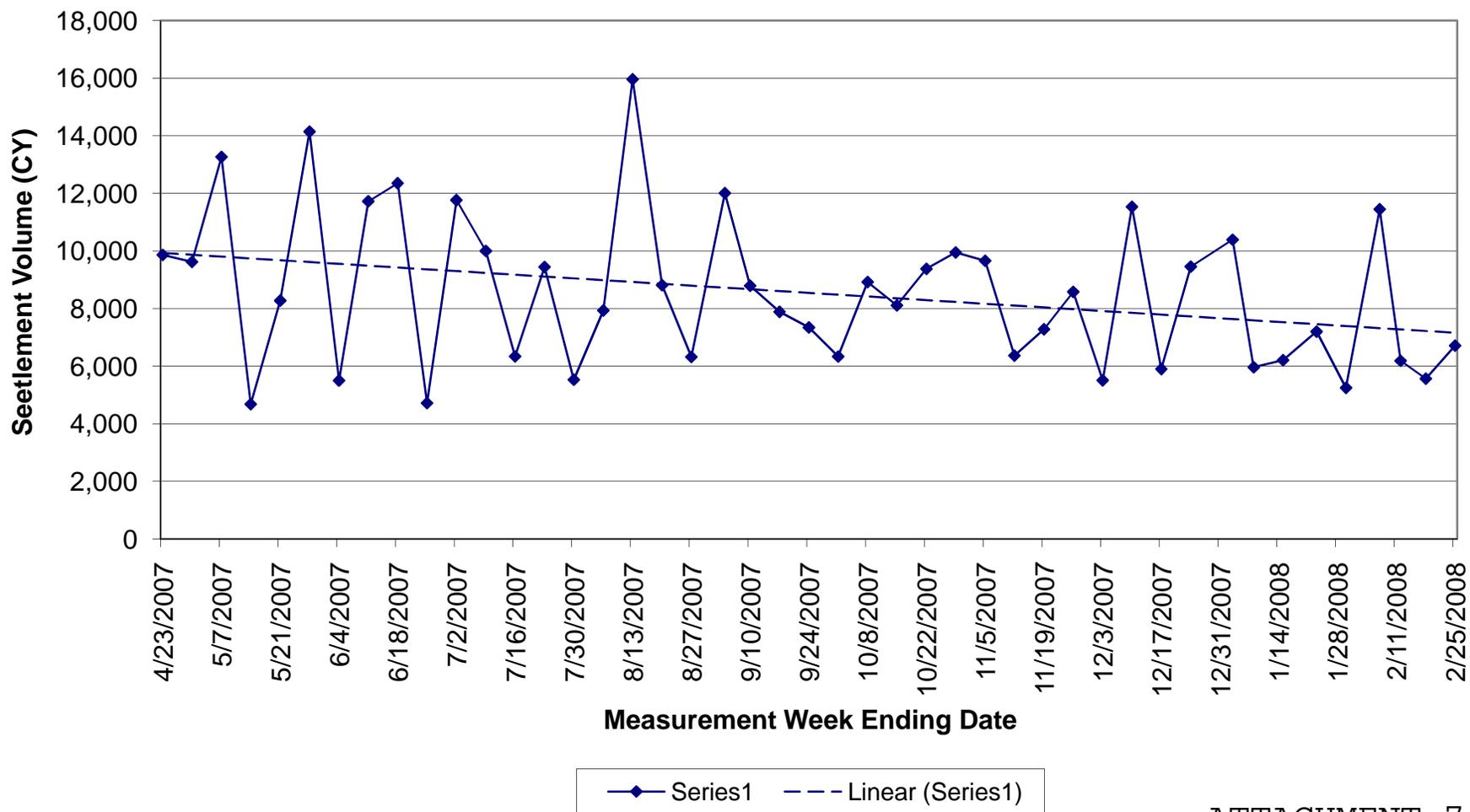
In-situ Temperatures Maximum Readings per Date per Boring



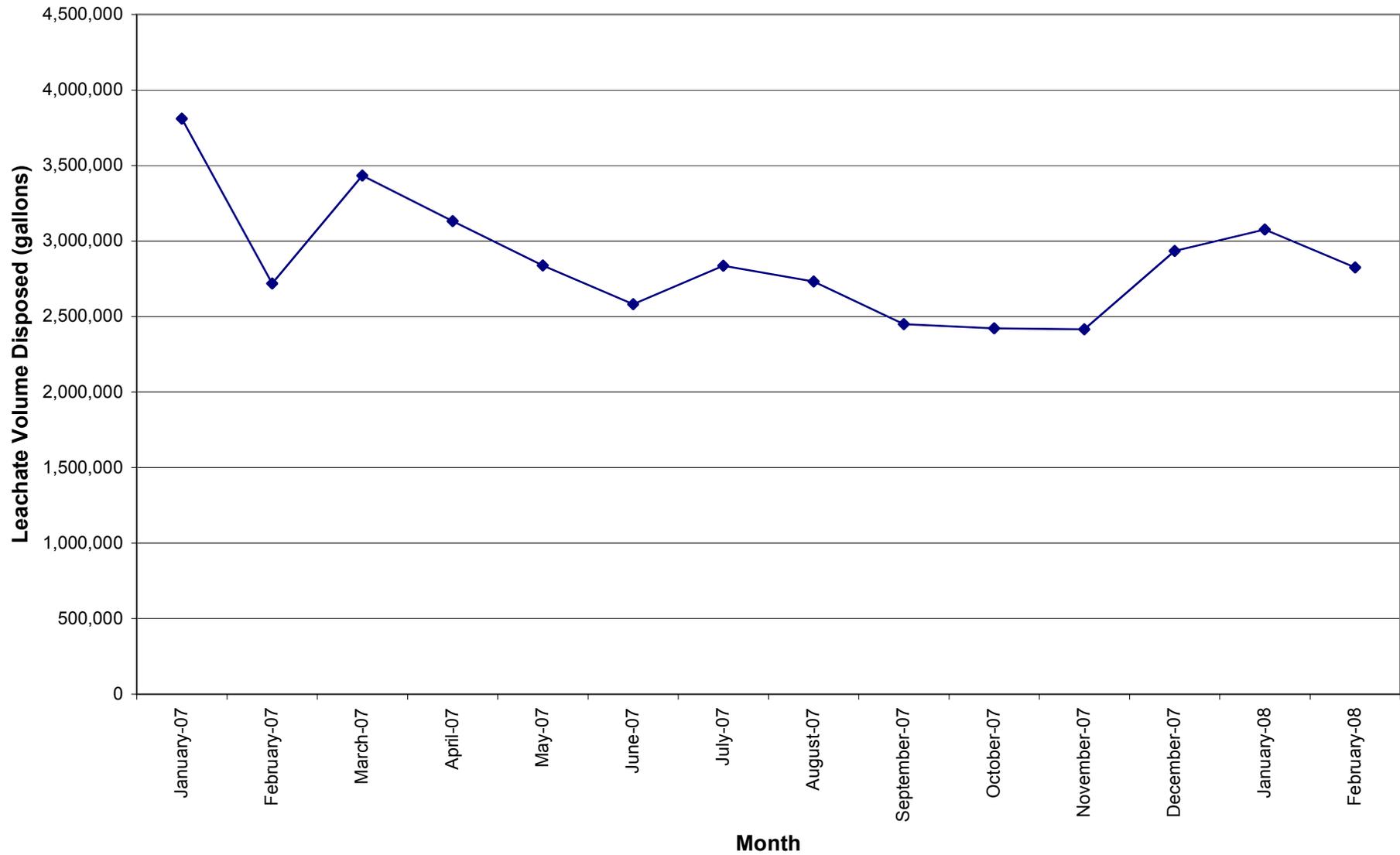
In-situ Temperatures Maximum Readings per Date per Inclinator

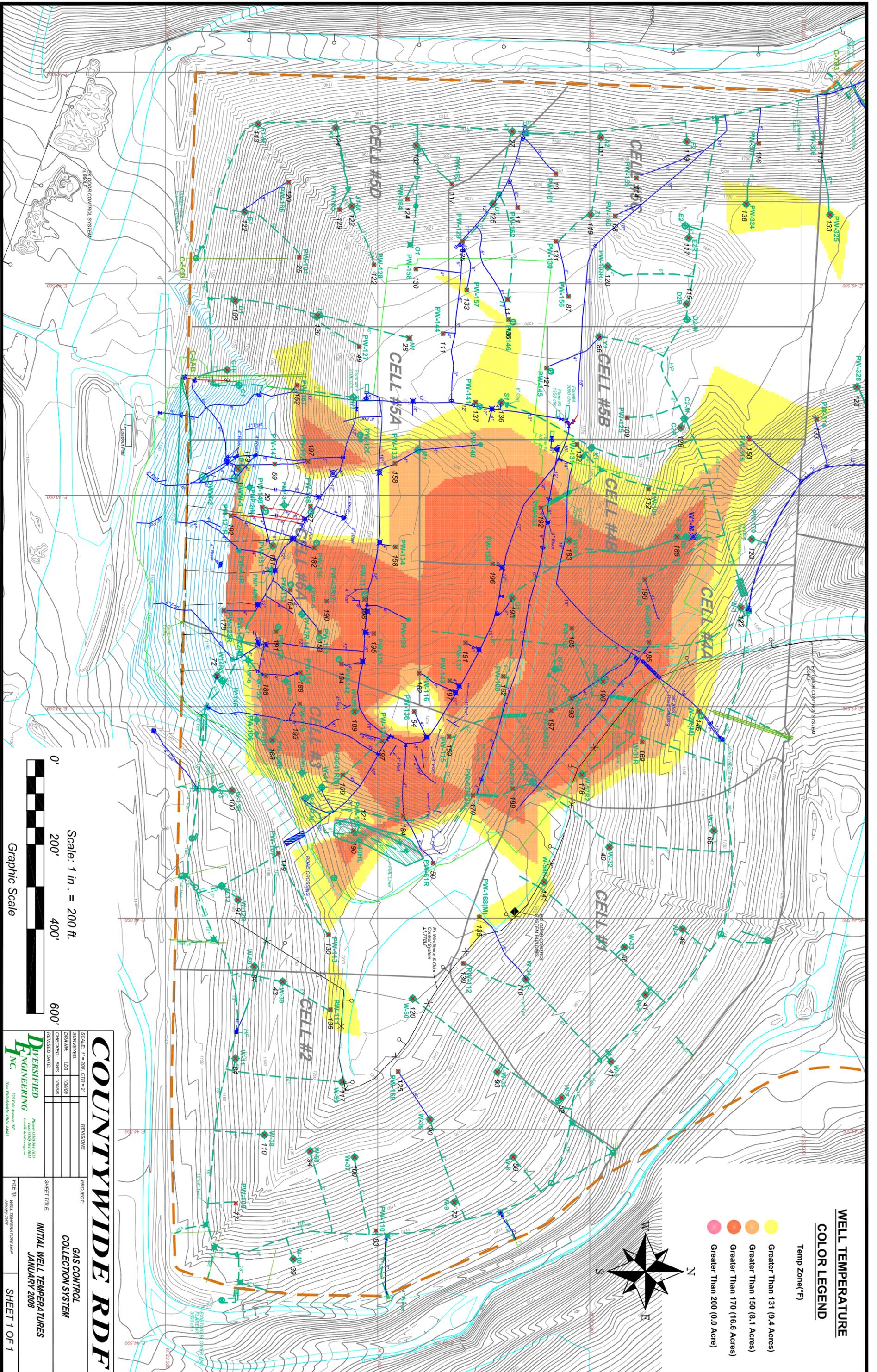


Weekly Settlement Survey in "Reaction Area" Countywide Landfill



**Monthly Leachate Flow from 88-Acre Area
Countywide Landfill**

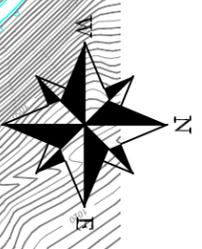




WELL TEMPERATURE COLOR LEGEND

Temp Zone(°F)

- Greater Than 131 (9.4 Acres)
- Greater Than 150 (8.1 Acres)
- Greater Than 170 (16.6 Acres)
- Greater Than 200 (0.0 Acre)



COUNTYWIDE RDF

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| REVISIONS | PROJECT: |
|----------------------------|-------------------------------|
| SCALE: 1" = 200', CTR = 2" | GAS CONTROL COLLECTION SYSTEM |
| SURVEYED: LDR 1/28/08 | |
| CHECKED: BMS 1/28/08 | |
| REVISED DATE: | |

SHEET TITLE: INITIAL WELL TEMPERATURES JANUARY 2008

FILE ID: WELL_TEMPERATURE_MAP
DATE: 1/30/2008

SHEET 1 OF 1