

Countywide Recycling and Disposal Facility

Weekly Progress Report

01/25/08

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 January 19, 2008 to January 25, 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 Jan. 11, 2008 |
| Downhole Temp. Graph | 2 | Updated Jan. 4, 2008 |
| FBMP Max. In-Situ Temp. Graph | 3 | Updated Jan. 18, 2008 |
| Inclinometer Max. In-Situ Temp. Graph | 4 | Updated Jan. 18, 2008 |
| Leachate Sump Temperature. Graph | 5 | Updated Jan. 11, 2008 |
| LCS Temperature Graph | 6 | Updated Jan. 11, 2008 |
| Weekly Cumulative Sett. Graph | 7 | Updated Jan. 25, 2008 |
| Quarterly Cumulative Sett. Graph | 8 | Updated Jan. 4, 2008 |
| CO Graph | 9 | Updated Jan. 11, 2008 |
| Leachate Volume Graph | 10 | Updated Jan. 11, 2008 |
| Leachate COD Graph | 11 | Updated Jan. 11, 2008 |
| Leachate TDS Graph | 12 | Updated Jan. 11, 2008 |
| | | |
| <u>Appendices (transmitted separately)</u> | <u>Appendix No.</u> | <u>Comments</u> |
| Wellhead Temperature Zone Map | A | Not Included with this Update |
| 4-Week Cumulative Sett. Front Map | B | Updated Jan. 25, 2008 |
| Carbon Monoxide Zone Map | C | Not Included with this Update |

COMMENTARY ON DATA

We believe that the rate and location of settlement is the best direct evidence of the intensity and location of the reaction. All waste tends to compress and settle, but the reaction of the aluminum dross causes heat, which in turn causes increased decomposition and volume reduction within the heated waste mass, which is then observed as higher-than-normal settlement.

The updated Attachment 7 shows that the amount of settlement (as weekly volume reduction) continues to trend downward as indicated by the dashed trendline.

This is supported by Attachment 8 which goes further back in time to the onset of the reaction and looks at settlement volume on a quarterly basis.

In addition, the settlement data suggests that the area affected by the rapid settlement is decreasing as indicated by the lines on Appendix B.

OUTSTANDING ISSUES

Documents pending approval:

- Permit-to-Install (PTI) "Needs Analysis" submitted May 29, 2007
- Data Reduction Request submitted September 6, 2007
- Relief Well Work Plan submitted on Jan. 7, 2008
- Dewatering and EGES Enhancement Work Plan submitted on Jan. 14, 2008
- West Slope Monitoring Reduction Request submitted on Jan. 16, 2008.

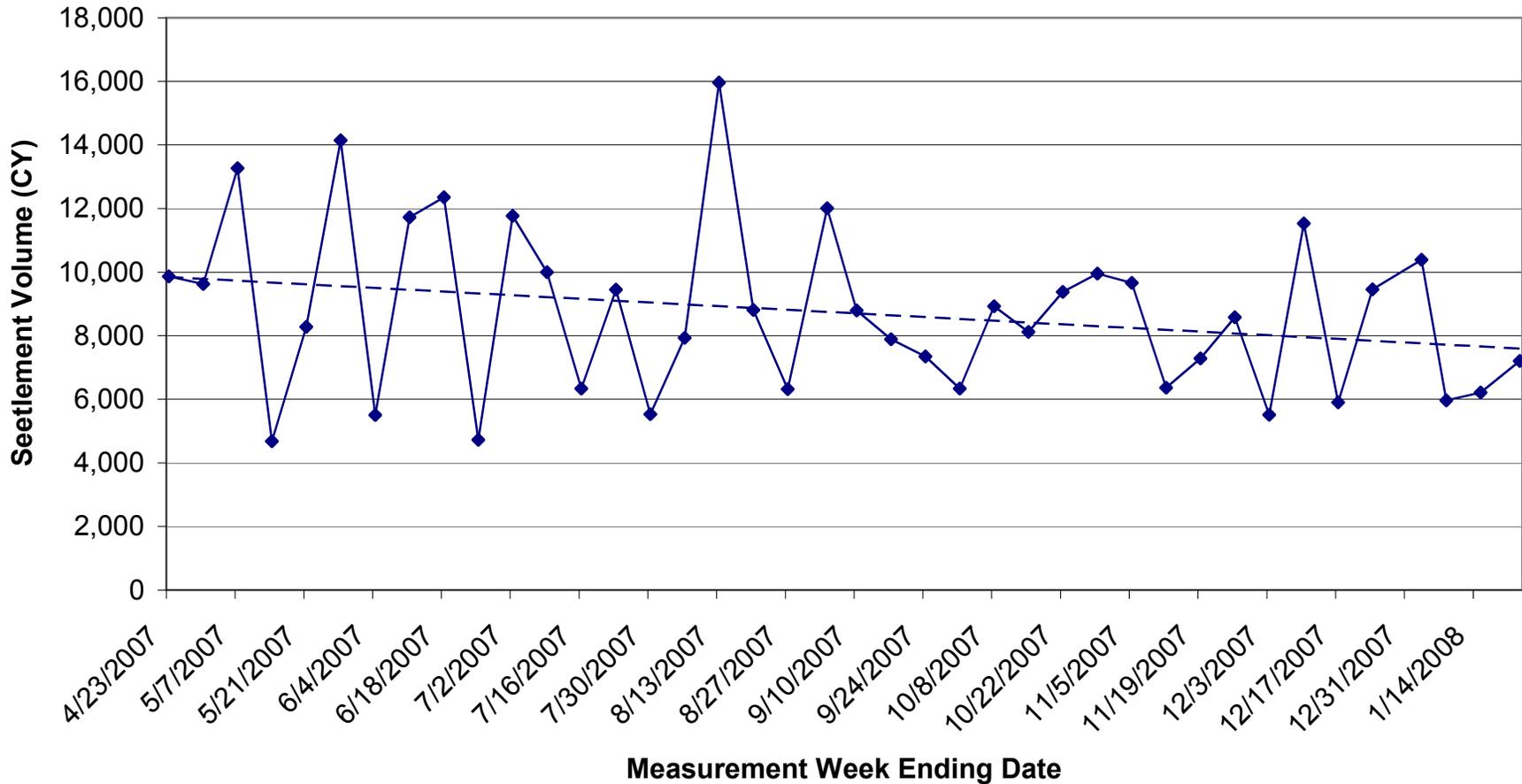
TABLE 1
WEEKLY PROGRESS REPORT FOR DECEMBER 31, 2007 F&Os
COUNTYWIDE LANDFILL
WEEK ENDING 01-25-08

| 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 | 0 | Provided notice of intent to driller this week. Start of work likely to be second week of February based on shipment date of specially-fabricated well casing. Two of the relief wells are scheduled to be in by Feb. 29. The remaining two are 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 this week 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 | 2870 | 0 | 2870 | 0 | Have fully satisfied the requirement for a minimum 37 gas wells required by Feb. 15. Misc. connections are being made to connect the remaining 7 pump-equipped gas wells. |
| Install 2-inch HDPE Air Supply Line | l.f. | 10500 | 9545 | 0 | 9545 | 0 | Have fully satisfied the requirement for a minimum 37 gas wells required by Feb. 15. Misc. connections are being made to connect the remaining 7 pump-equipped gas wells. |
| Install and Test Compressors | ea. | 2 | 1 | 1 | 2 | 0 | Both new compressors are in place and in service, meeting the F&O required schedule of Jan. 31. Emphasis is now on fine-tuning the compressed air distribution system. |
| Relocate Flares from Top of Landfill | ea. | 2 | 0 | 0 | 0 | 0 | Infrastructure for the relocation for both flares was worked on this week. The committed schedule for relocating the flares is May 12, but we expect to have both done before the end of February. |
| Install New Gas Wells | ea. | 10 | 0 | 0 | 0 | 0 | The driller has put this work on his schedule. Drilling is scheduled to begin Feb. 18. Placed order for pipe. Gravel and bentonite are on site. |
| Replace Compromised Wells | ea. | 12 | 0 | 0 | 0 | 0 | The driller has put this work on his schedule. Drilling is scheduled to begin Feb. 18. Placed order for pipe. Gravel and bentonite are on site. |
| Install 4-inch HDPE Liquid Discharge Line for new gas wells | l.f. | 600 | 0 | 0 | 0 | 0 | To be started concurrent with drilling of new and replacement wells in Feb. |
| Install 2-inch HDPE Air Supply Line for new gas wells | l.f. | 1000 | 0 | 0 | 0 | 0 | To be started concurrent with drilling of new and replacement wells in Feb. |
| 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. |

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

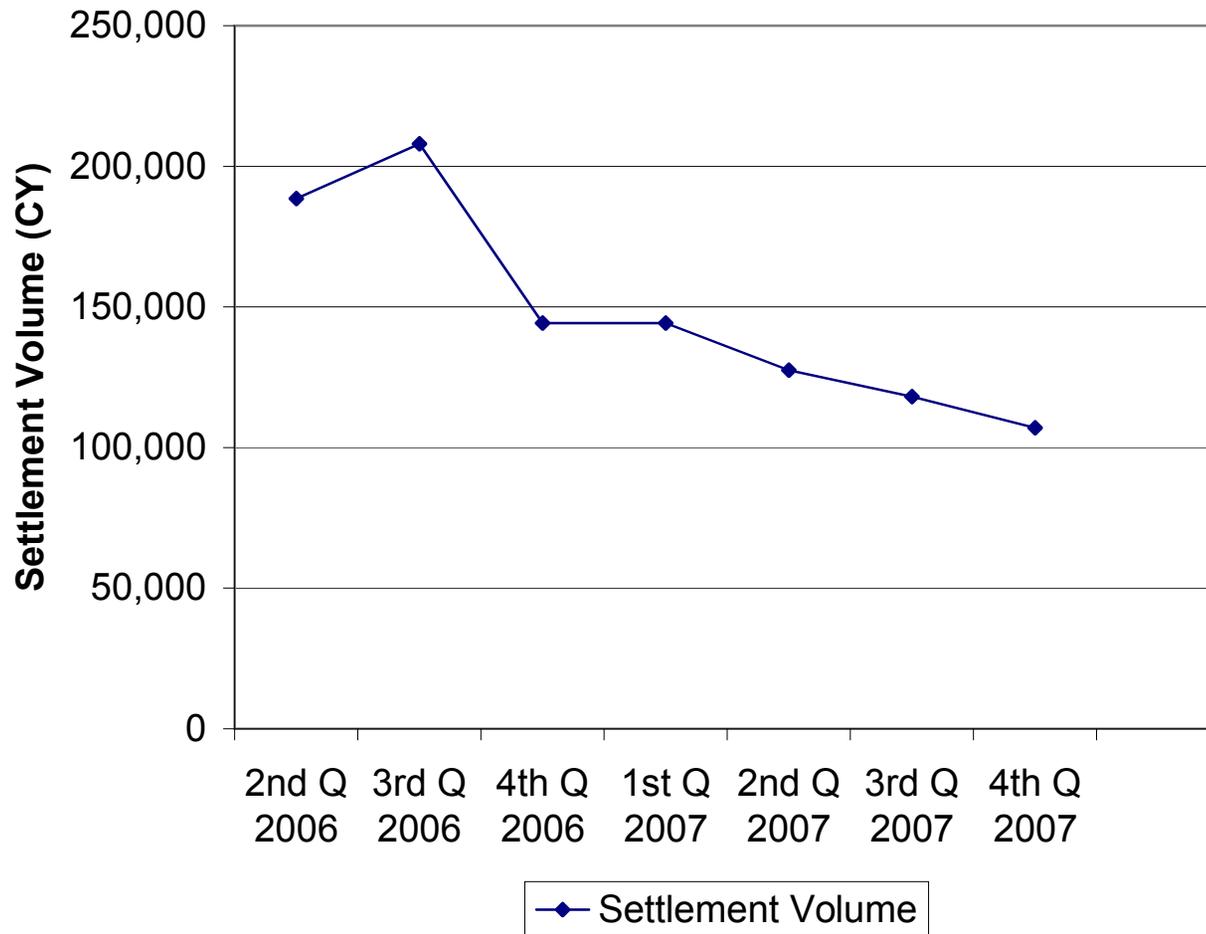
activities and does not address recurring activities such as liquid level measurements, wellbore temperature profiles, liquid sampling, etc.

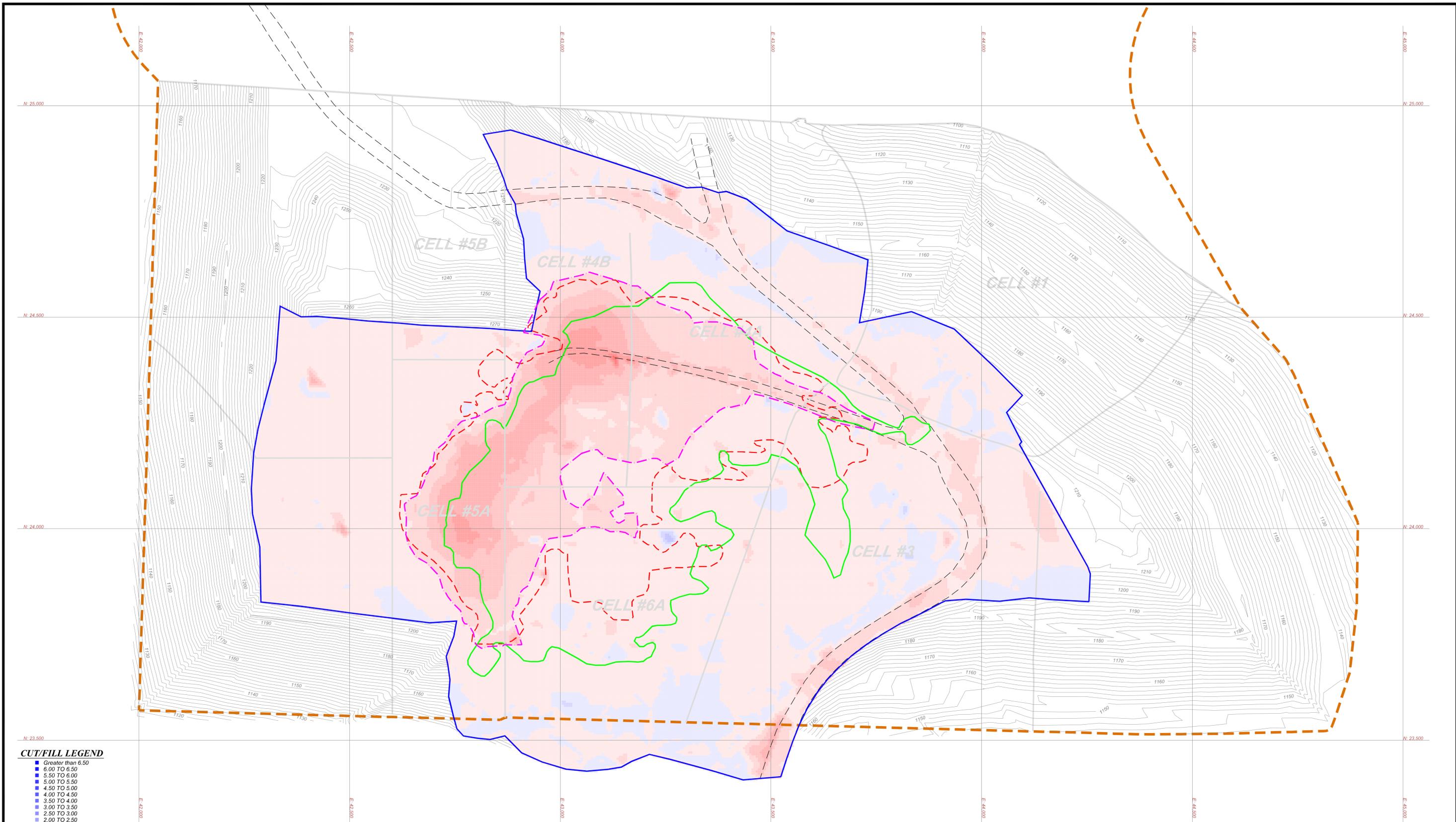
Weekly Settlement Survey in "Reaction Area" Countywide Landfill



—◆— Settlement Volume - - - Linear (Settlement Volume)

Quarterly Volume of Settlement in "Reaction Area" Countywide Landfill





CUT/FILL LEGEND

- 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 (3/12/07), 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 (10/22/07 TO 11/19/07)
- - - - - EXTENT OF 0.5' SETTLEMENT BOUNDARY FOR 4-WEEK PERIOD (12/17/07 TO 01/14/08)



COUNTYWIDE RDF

| | | |
|--------------------------|-----------|--|
| SCALE: 1" = 100'; CTR=2" | REVISIONS | PROJECT: |
| SURVEYED: | | 88 Ac. & CELL 7 CUMULATIVE SETTLEMENT COMPARISON |
| DRAWN: CWH 01-18-08 | | |
| CHECKED: BWS 01-18-08 | | |
| REVISED DATE: | | |

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SHEET TITLE:
COMPARING 12/17/07 TOPO TO 01/14/08 TOPO (COLOR CUT/FILL MAP)

FILE ID:
 88Ac Topo 01-14-08.dwg

APPENDIX B