

RIO ALGOM MINING LLC
POST OFFICE BOX 218-GRANTS, NEW MEXICO 87020
505-287-8851

May 11, 2009

Document Control
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852-2738

Re: **License SUA-1473, Docket No. 40-8905**
Primary Settlement License Condition 37
Paragraph 2

Dear Mr. McLaughlin,

By this letter Rio Algom would like to request permission to begin placement of the Radon barrier on the Pond 2 disposal cell described in our submittal "**Tailings Cell 2 Expansion Reclamation Plan, Revision 1, submitted by letter date May 31, 2007, and supplemented by letter submittals dated August 1, 2007 and September 18, 2007.**"

Please refer to the attached geo-tech report from Tetra Tech, Inc. This reports in detail our compliance with 90 % primary settlements. It would be our intent to remove the settlement markers upon approval and begin placement of the engineered radon cover.

If you have any questions please feel free to call or email either me or John McBee of Tetra Tech.

My phone is 505-287-8851 x 11 and John is 505-237-8440.

Regards,

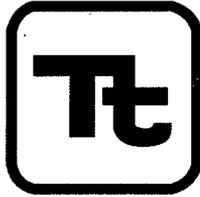


Terry Fletcher
President

Attachment: As Stated

xc: Tom McLaughlin
File

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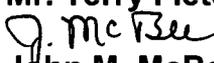
TETRA TECH, INC.

6121 Indian School Rd., NE, Suite 200
Albuquerque, NM 87110
(505) 237-8440
fax (505) 237-8656

MEMORANDUM

DATE: May 5, 2009

TO: Mr. Terry Fletcher, Rio Algom Mining LLC

FROM: 
John M. McBee, P.E.

SUBJECT: Rio Algom Ambrosia Lake Facility
Tailings Pond 2 Disposal Cell Settlement Monitoring

Analyses for settlement associated with placement of Section 4 and Pond 9 materials on a cell constructed at the Rio Algom Mining Ambrosia Lake Facility was described in detail in Section 4.5 of *Reclamation Plan for Disposal of Pond Sediments and Ancillary Materials, Tailings Cell 2 Expansion Rio Algom Mining LLC, Ambrosia Lake, New Mexico, May 2007, Revision 1*. The calculations were presented as Appendix C of the Reclamation Plan.

The purpose of this technical memorandum is to evaluate the magnitude of settlement (measured to-date) of the existing tailings in the Pond 2 footprint from placement of relocated materials with respect to the estimated settlement presented in the Reclamation Plan. Based on this evaluation, if 90% of primary settlement has been achieved, placement of the radon barrier can be initiated without the integrity of the cover being compromised. Relocation of Section 4 and Pond 9 materials to the Pond 2 Disposal Cell Expansion has been completed. Final elevations of the top of the

relocated materials will vary slightly depending on regrading of the topslope to meet design requirements.

The relocated materials were placed, moisture conditioned, and compacted on the existing Tailings Pond 2 area. The existing tailings in a portion of the Pond 2 area (attached Figure 1.3 – from the Reclamation Plan) are part of the foundation for the newly constructed cell, i.e., Cell 2 Expansion. The weight of these added materials resulted in an increase in effective stress within the existing foundation soils and bedrock, including the underlying reclaimed tailings. It was determined that the highest magnitude of settlement would be due to consolidation of the underlying tailings, primarily slimes in the Pond 2 area.

The Section 4 and Pond 9 sediments were mixed with soil and placed as a structural fill (compacted to greater than of 90% Standard Proctor dry density ASTM D-698) within 3 percent of optimum moisture content. These materials are relatively incompressible when compared to the underlying previously placed tailings.

Existing Tailings Within Cell 2 Footprint

The tailings underlying the Cell 2 repository footprint were placed by hydraulic methods (spigoting) and consist of a mixture of sands and/or slimes. It was estimated that the sands would undergo low to moderate settlements, and consolidate rapidly in direct response to loadings imposed by the new cell. The slimes (clayey silts and silty to sandy clays) would typically undergo larger settlements when compared to the more sandy materials. More importantly, the clayey materials would settle at a much slower rate than sandy materials due to their relative low permeability in comparison to the sandy tailings.

For the settlement analysis in the slimes, a 12-foot-thick slimes layer (drainage distance of six feet) was used. The coefficient of consolidation chosen was the most conservative value obtained from the CPT (cone penetration test) investigation and the analysis showed that it would take 105 days for 90 percent of the consolidation to occur within

the slimes due to loading from the weight of the cell. This situation represented the most conservative scenario found in CPT borings conducted for design.

The lined disposal area located in the northeast area of the existing tailings was of special interest in that it contains soft, low permeability materials that would consolidate slowly over time. This area was evaluated for time rate of settlement considering that drainage will occur in one direction only and that the materials have an extremely low coefficient of consolidation.

Analysis showed that it would take approximately 418 days to achieve 90 percent consolidation under the anticipated weight of the cell without the installation of vertical drains to accelerate consolidation. Vertical drains were placed on ten-foot centers to reduce the settlement time to a calculated time of approximately 93 days, about the same length of time for consolidating the surrounding mill tailings. The vertical drains were connected to a horizontal gravel drainage blanket and horizontal geotextile drains direct fluids from this drainage blanket to trenches and sumps. This specific area is being monitored by a settlement Plate 1 (Reclamation Plan Figure 1.3) placed on the surface of the lined disposal area to verify when consolidation is essentially complete.

Settlement Analysis Summary

Primary consolidation (90% of the estimated settlement) of the existing tailings and/or lined disposal area materials was estimated to be as follows: 1) over the lined disposal area (Plate 1) the expected settlement should measure about 2 feet; 2) in the area around Plate 2 the settlement was expected to measure about 0.5 foot; 3) around Plate 3 the settlement was expected to measure about 0.7 foot; and 4) the area in the vicinity of settlement Plate 4 there was expected up to 0.5 foot of settlement depending on the height of tailings placed on the Phase 2 footprint of the cell.

In order to verify these settlements estimates, Rio Algom installed settlement plates at strategic locations as part of the construction quality control/quality assurance program (Reclamation Plan, Figure 1.3 attached). Monitoring of the settlement plates were conducted throughout placement of the relocated materials on a weekly basis.

Table 1 shows cumulative cubic yards of materials hauled and for each settlement plate: 1) the approximate fill elevation (in the vicinity of the plate); 2) elevation of the settlement monument (as measured); and 3) settlement (in feet) since measurements began. Relocation of the Pond 4 materials started in December 2005 and Plates 1 – 3 were installed for monitoring. Settlement Plate 4 was installed in May 2007 for expansion of the disposal area to the southern portion of the Pond 2 area. These measurements have been plotted for each settlement plate as well as the height of fill to compare predicted with actual settlement data (Figures 1 through 4).

The following is predicted settlement and actual settlement (based on the average of the last measurements) for each monitoring plate:

<u>Settlement Plate</u>	<u>Predicted Settlement</u>	<u>Settlement To-Date</u>
Plate 1	2 (feet)	1.95 (feet) ¹
Plate 2	0.5 (feet)	0.26 (feet)
Plate 3	0.7 (feet)	0.74 (feet)
Plate 4	0.5 (feet)	0.82 (feet)

Notes:

- 1) Settlement Plate 1 was damaged by construction equipment May 2007 and was replaced. The subsequent elevation measurement (5/15/2007) was 0.10 foot lower than the previous measurement taken four days earlier (Table 1). This 0.10 foot differential was subtracted for actual settlement at Plate 1; however, the data as listed and Figure 1 were not changed.

The actual settlement corresponds very favorably to the predicted settlement, except for settlement Plate 4. The proposed finished design elevation in the vicinity of this location (per the Reclamation Plan – see Figure 1.3 attached) was 7028'. Subtracting 2 feet for radon barrier materials and erosion protection rock, would have relocated Section 4 and Pond 9 materials placed to approximate elevation 7026'. To-date, these materials have

been placed to approximate elevation 7036'. So with the additional 10 feet of fill in this area (approximately one-third more than used in the analysis), settlement has been more than was calculated.

No more relocated Section 4 and Pond 9 materials will be placed on the Disposal Cell 2 Expansion. The topslopes of the disposal cell will be graded to achieve the design slopes of minimum 1% to approximately 2%, which may result in adjustments to final elevations in some areas prior to placement of the radon barrier and erosion protection materials. However, based on the settlement observations to date, it is not anticipated that these changes relative to fill heights of approximately 40+ feet, will be enough to significantly affect settlement at any of the monitoring locations.

Discussion of Monitoring Results

The time-rate of settlement presented in the Reclamation Plan used conservative assumptions, especially as related to the drainage distance of the fine tailings materials. In Section 4.5.2.2 (b), the maximum drainage distance within the pre-existing tailings in disposal area was assumed to be 6 feet, which would result in approximately 105 days for 90% of the primary consolidation to occur. As will be discussed, the time for consolidation has been less than this at the three locations (Plates 2, 3, and 4) in the main portion of the footprint of Disposal Cell 2. The more rapid consolidation is most probably due to more interbedding of the sand tailings with the finer tailings materials. Plate 1 was placed over the lined disposal cell that was discussed separately in the Reclamation Plan, and required the use of wick drains to accelerate drainage. The time for 90% of the primary consolidation for the line-disposal cell with wick drains (on 10-foot centers) to occur was estimated to be 93 days.

Review of the plots of settlement and fill height in the vicinity of the settlement plates shows direct correlation. As would be expected, as the height of fill is increased, measured settlement increases for all four monuments. A discussion of settlement at each monitoring plate follows:

Plate 1

Plate 1 was located over the lined disposal cell on the northeast portion of Disposal Cell 2 area to monitor settlement. The lined cell contained very soft sensitive fines that necessitated the installation of wick drains to accelerate consolidation. Placement of fill started in the area surrounding this plate in December 2005 and continued until August 2007, in which approximately 36 feet of fill were placed. Fill placement was not resumed in this area until May 2008, a period of approximately 9 months. An additional 6 feet of fill were placed between May and March 2009 and no more materials will be placed. Plate 1 had measured settlements of 1.51 feet between December 2005 to August 2007 (the 0.10 foot decrease in measured elevation in May 2007 due to re-establishment of the damaged plate was not included), 0.27 feet between September 2007 and May 2008, and only 0.17 feet since May 2008 (average of last four readings for end elevation) for a total settlement of 1.95 feet. There are some variations in the measured settlement readings for this location but for the last three month period (February through April 2009), there has been only 0.02 feet of settlement (difference between an average of the readings in December 2008 and January 2009 and the last four readings. Therefore, in this area greater than 90% primary settlement has been reached.

Plate 2

Placement of fill started in the area surrounding this plate in December 2005 and continued until October 2007, in which approximately 39 feet of fill were placed. Only an additional 3 feet of fill have been placed since October 2007. Plate 2 had measured settlements of approximately 0.26 feet between December 2005 and October 2007. There have been measured variations in settlement at this location since October 2007, but on average there has been no more settlement (Figure 2) and the last six readings still averaged 0.26 feet. The closest cone penetration test (CPT) probe to this location was CPT-07. The CPT probe encountered 14 feet of tailings materials which were interbedded sand/slimes or sands; no clayey, slime layers were determined to be present. As discussed in the Reclamation Plan, these materials with interbedded drainage layers (sands) would consolidate relatively quickly, which can be seen on

Figure 2. There is a rapid response of settlement to placement of relocated materials from December 2005 and October 2007 and the subsequent leveling off of settlement since that time. Three feet of materials have been placed since October 2007 and without a decrease in average settlement. Further consolidation in the vicinity of the location of Settlement Plate 2, even with final grading, would be insignificant to cause differential settlement.

Plate 3

Measured settlement in the vicinity of Plate 3 has behaved similarly to Plate 2 in that the settlement of the below-grade tailings was responsive to loading of the relocated materials. Placement of the relocated materials started in the area surrounding this plate in December 2005 and continued until October 2007, in which approximately 34 feet of fill were placed. Only an additional 2 feet of fill have been placed since October 2007. Plate 3 had measured settlements of approximately 0.65 feet between December 2005 and October 2007. Since October 2007 there has been only 0.05 feet of settlement (average of last three readings for end elevation) and the settlement is asymptotic (Figure 3). The closest CPT probe to this location was CPT- 12. The CPT probe encountered 20 feet of tailings materials which were interbedded sand/slimes or sands; except for an approximately 1 foot thick layer of clayey, slimes. As discussed in the Reclamation Plan, these materials with interbedded drainage layers (sands) would consolidate relatively quickly with shorter drainage distances than used in the calculation for the Reclamation Plan. Further consolidation in the vicinity of the location of Settlement Plate 3, even with final grading, would be insignificant to cause differential settlement.

Plate 4

Placement of relocated materials started in the area surrounding this plate in April 2007 has been essentially continuous in which approximately 39 feet of fill have been placed. The only significant exception was when fill placement was stopped in this area from December 2007 through March 2008, a period of approximately 4 months. Only an additional 3 feet of fill have been placed since July 2008 (Figure 4). Plate 4 had measured settlements of approximately 0.71 feet between April 2007 and June 2008.

Since June 2008 there has been 0.11 feet of settlement (average of last four readings for end elevation) for a total measured settlement of 0.82 to date. There have been measured variations in settlement at this location since June 2008, but it appears that 90% settlement has been reached (Figure 4). The location of Plate 4 was in between four CPT probes CPT-14, 15 and CPT-17, 18 that investigated the in-situ tailings. At this location it would be interpolated that approximately 20 feet of tailings materials would be present, mostly interbedded sand/slimes or sands and 1 – 2 feet of clayey, slimes. As discussed in the Reclamation Plan, these materials with interbedded drainage layers (sands) would consolidate relatively quickly with shorter drainage distances than used in the calculation for the Reclamation Plan (2007). Further consolidation in the vicinity of the location of Settlement Plate 4, even with final grading, would be insignificant to cause differential settlement.

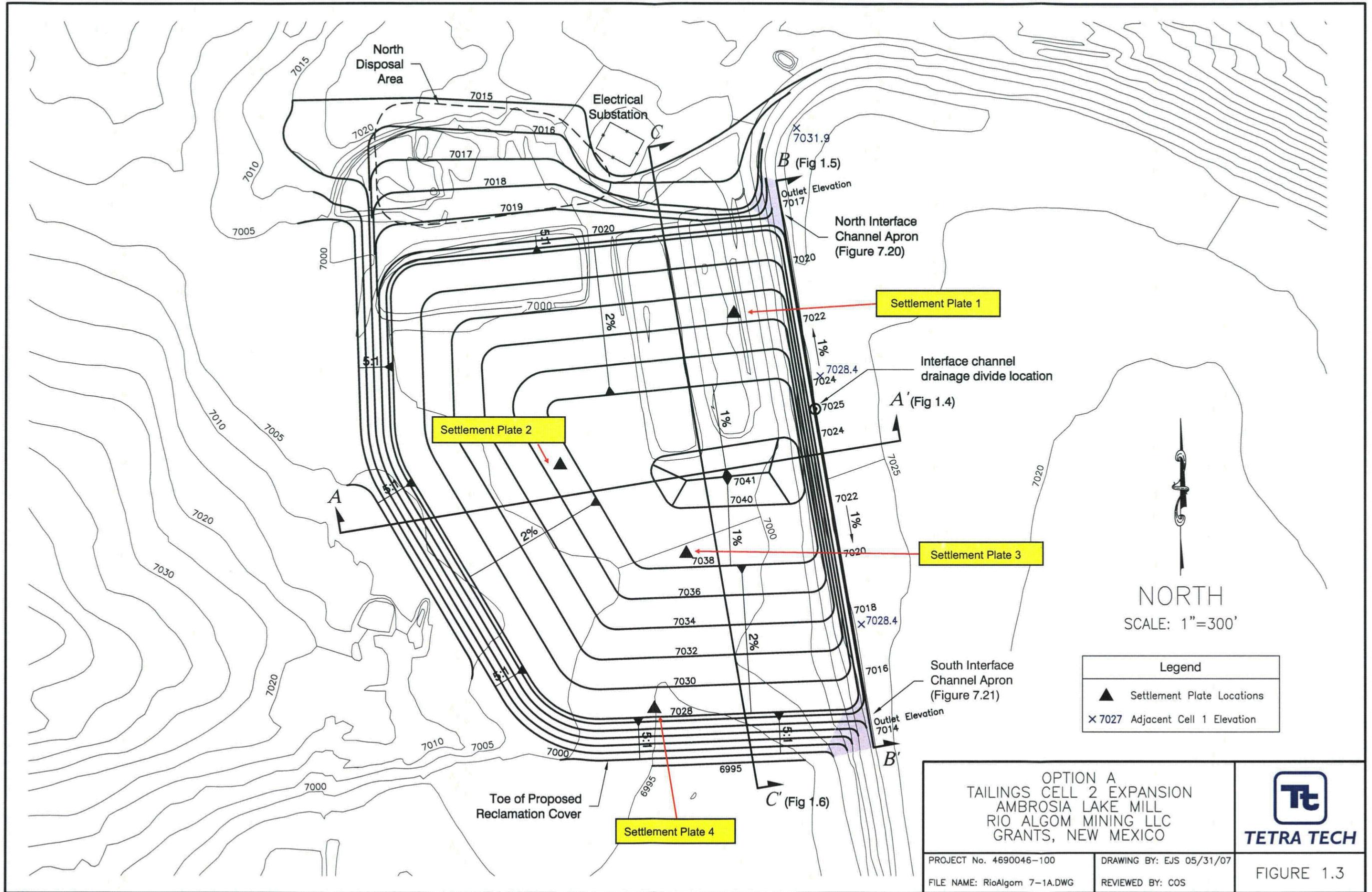
Conclusions

As discussed in the Reclamation Plan (May 2007), the time-rate of settlement will affect the placement of radon barrier materials for the final cover. As stated in the plan, start of placement is dependent upon 90% of settlement being completed in order to minimize the potential for differential settlement. Differential settlement over relatively short distances could lead to cracking of the radon barrier materials and potentially affect the long-term integrity of the disposal cell cover. The majority of the settlements due to elastic compression and primary consolidation have taken place during construction. It was estimated in the most conservative condition, that it would take approximately three months for 90 percent of the consolidation to take place within the slimes and for the lined-disposal area (with wick drains). The settlement plot for Plate 1 (Figure 1) shows an approximately similar estimated time (3 months) and the plates in the main portion of the disposal cell show shorter settlement times after placement of relocated material (Figures 2 through 4).

Thicknesses of material types, primarily slimes, in the existing tailings encountered during the CPT boring program were variable. However, no sharp lateral boundaries with appreciable differences in thicknesses of slimes with non-slime materials were

found. Differential settlement of the cover due to changes in the subsurface lithology over short distances; therefore, would not be anticipated. Therefore, based on the results of settlement monitoring for all locations, 90% of primary consolidation of the foundation (existing tailings) due to the weight of the relocated materials from Section 4 and Pond 9 across the footprint of the Tailings 2 Cell has occurred.

No additional significant settlement due to final grading would be expected and placement of radon barrier materials can be initiated with no adverse affects to cover integrity. The final lifts of relocated materials were placed on the Pond 2 Disposal Cell in March 2009. I would recommend continued monitoring of the settlement plates on a weekly basis for a three month period ending July 1, 2009 to verify that no significant change in the settlement of the cell has occurred since placement of the final materials.




 NORTH
 SCALE: 1"=300'

Legend	
▲	Settlement Plate Locations
X	7027 Adjacent Cell 1 Elevation

OPTION A TAILINGS CELL 2 EXPANSION AMBROSIA LAKE MILL RIO ALGOM MINING LLC GRANTS, NEW MEXICO	
PROJECT No. 4690046-100	DRAWING BY: EJS 05/31/07
FILE NAME: RioAlgom 7-1A.DWG	REVIEWED BY: COS


TETRA TECH

FIGURE 1.3

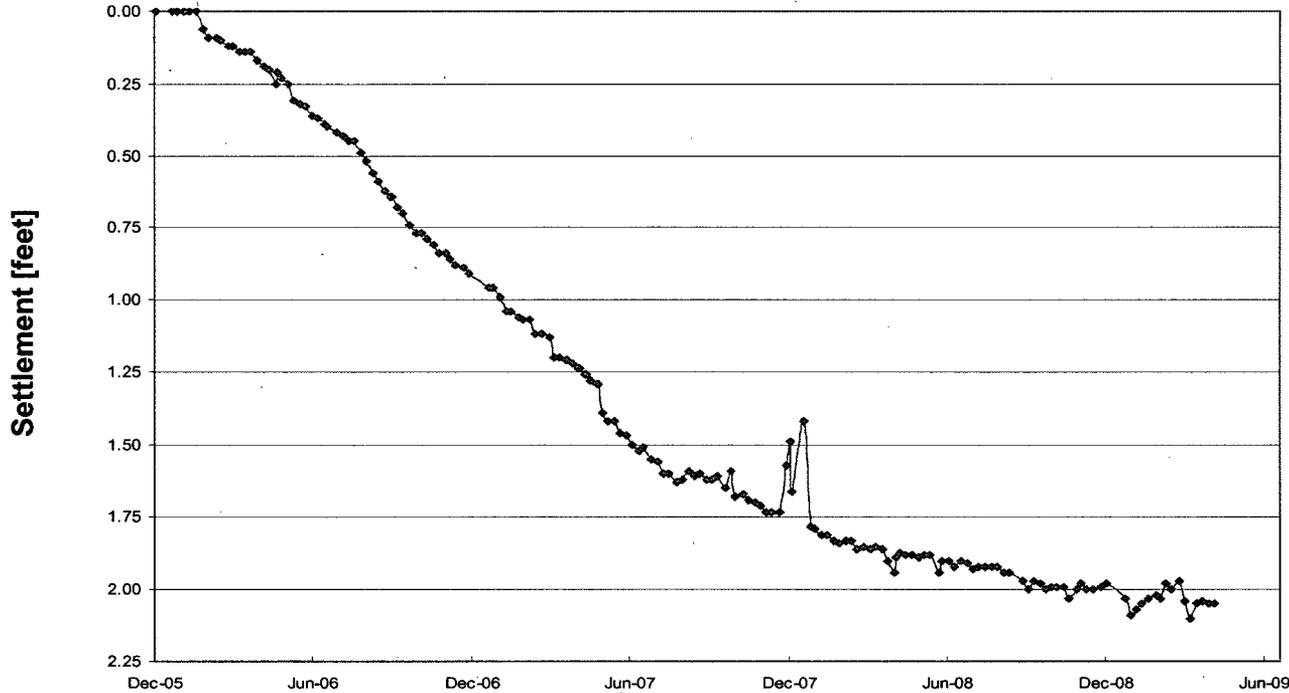
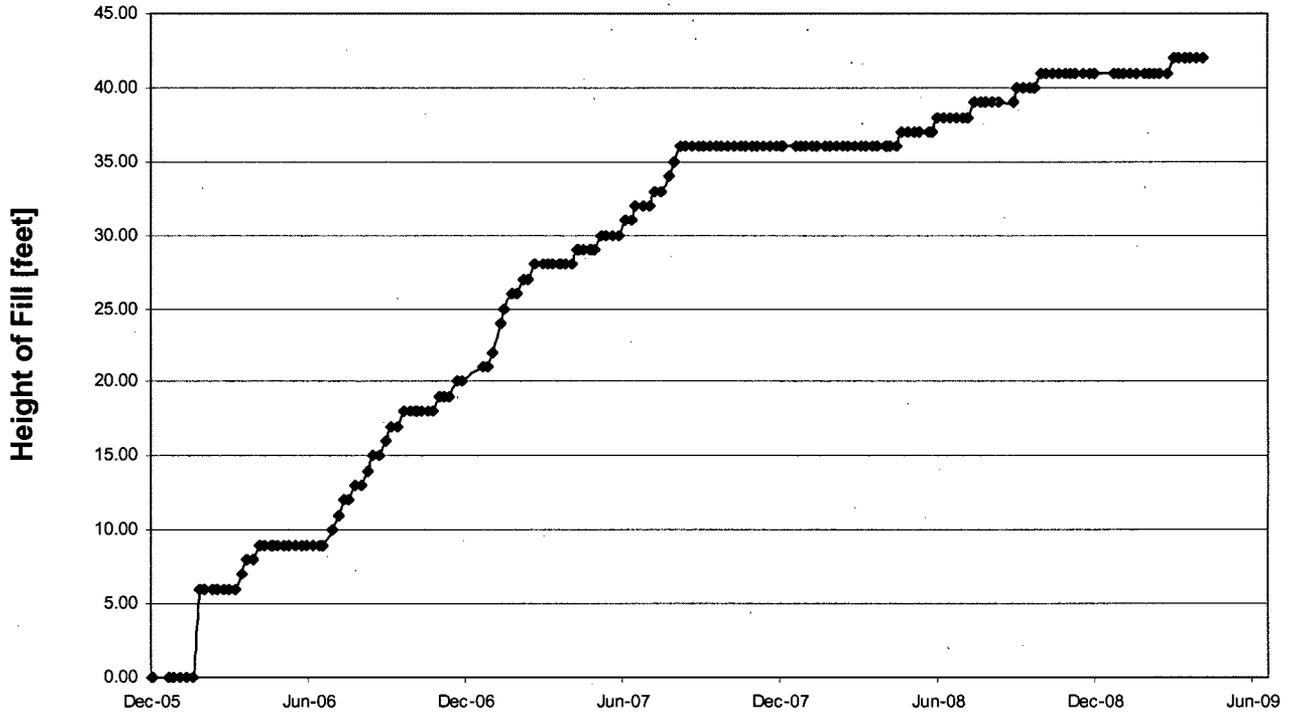


Figure 1
Plate 1 Fill Height and Settlement
Rio Algom Mining, Ambrosia Lake, New Mexico

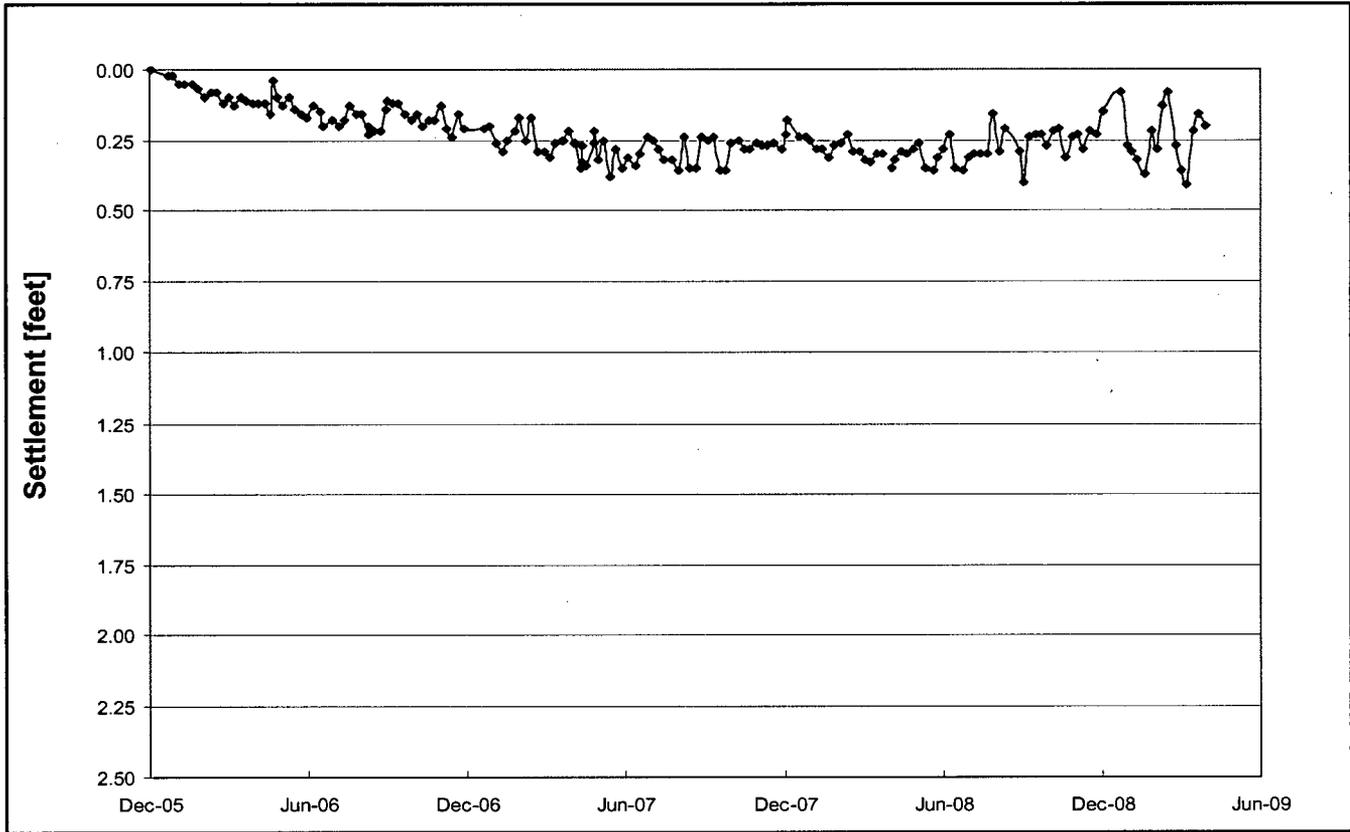
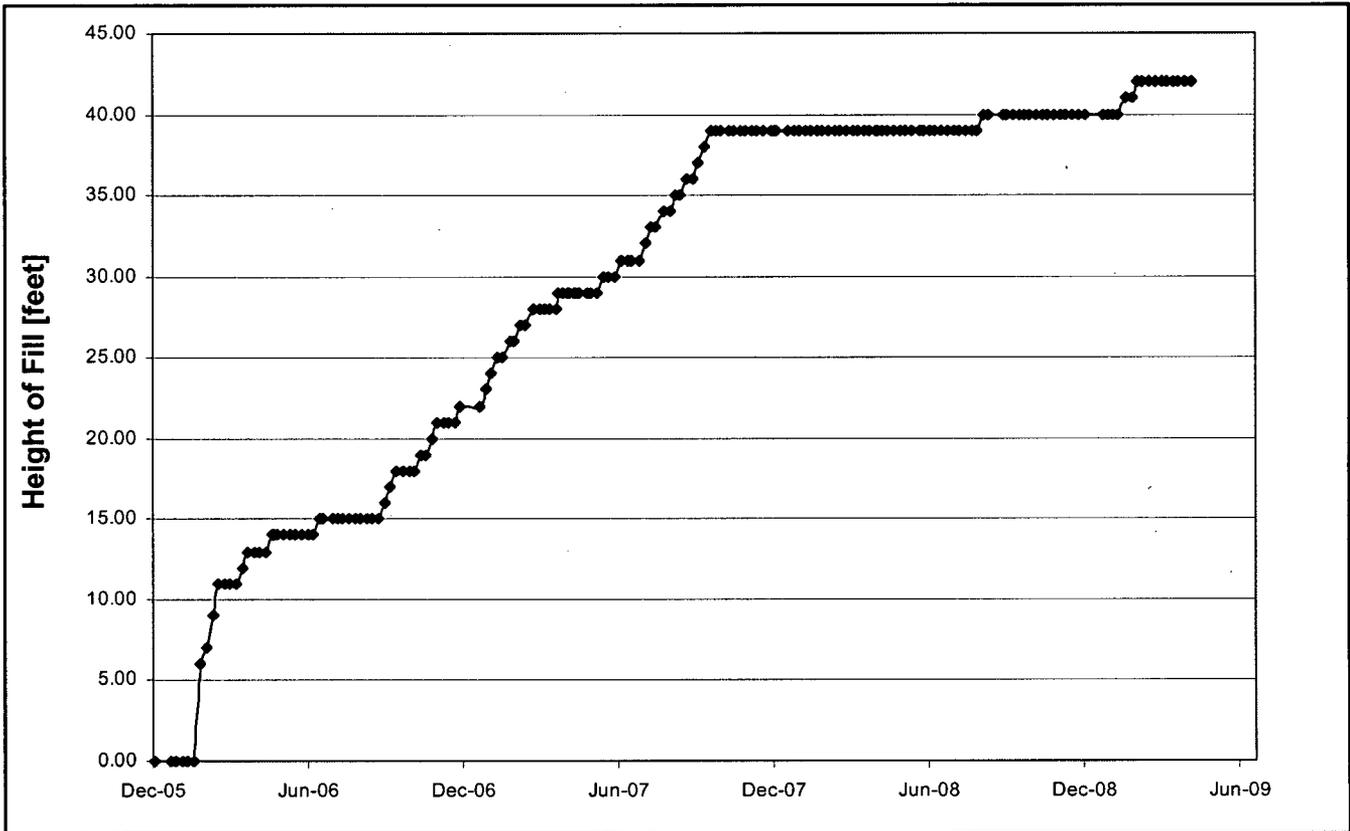


Figure 2
Plate 2 Fill Height and Settlement
Rio Algom Mining, Ambrosia Lake, New Mexico

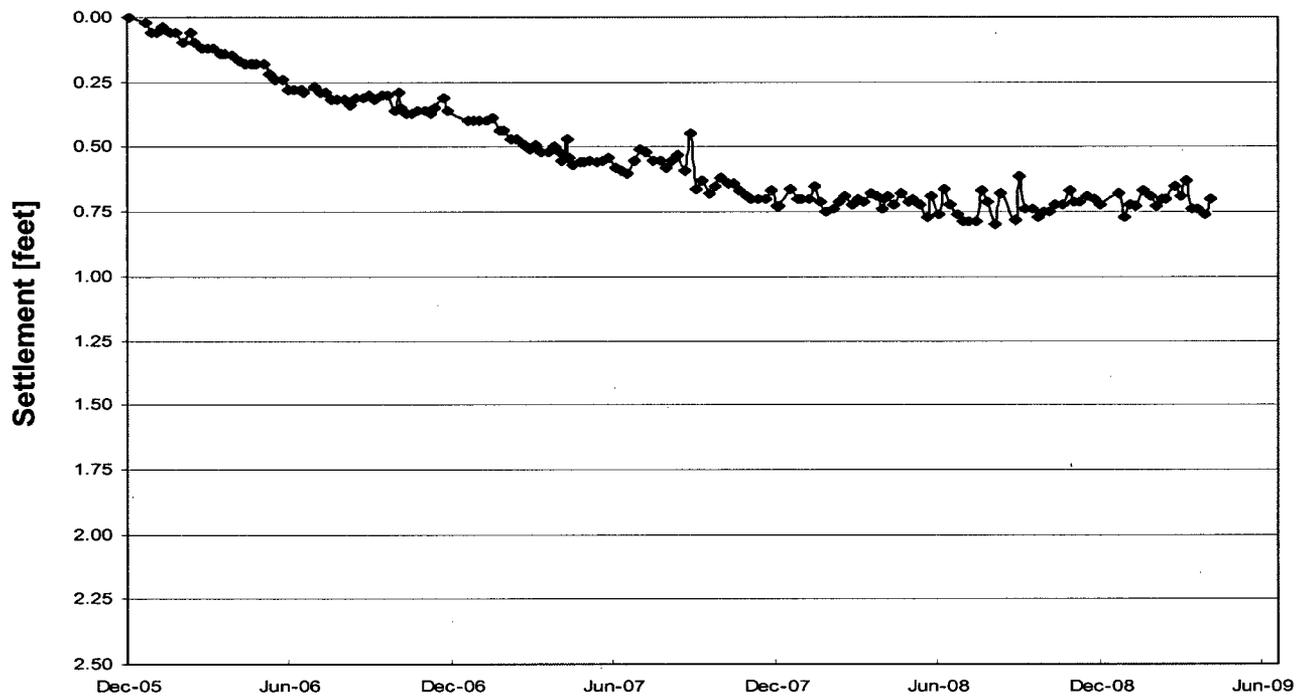
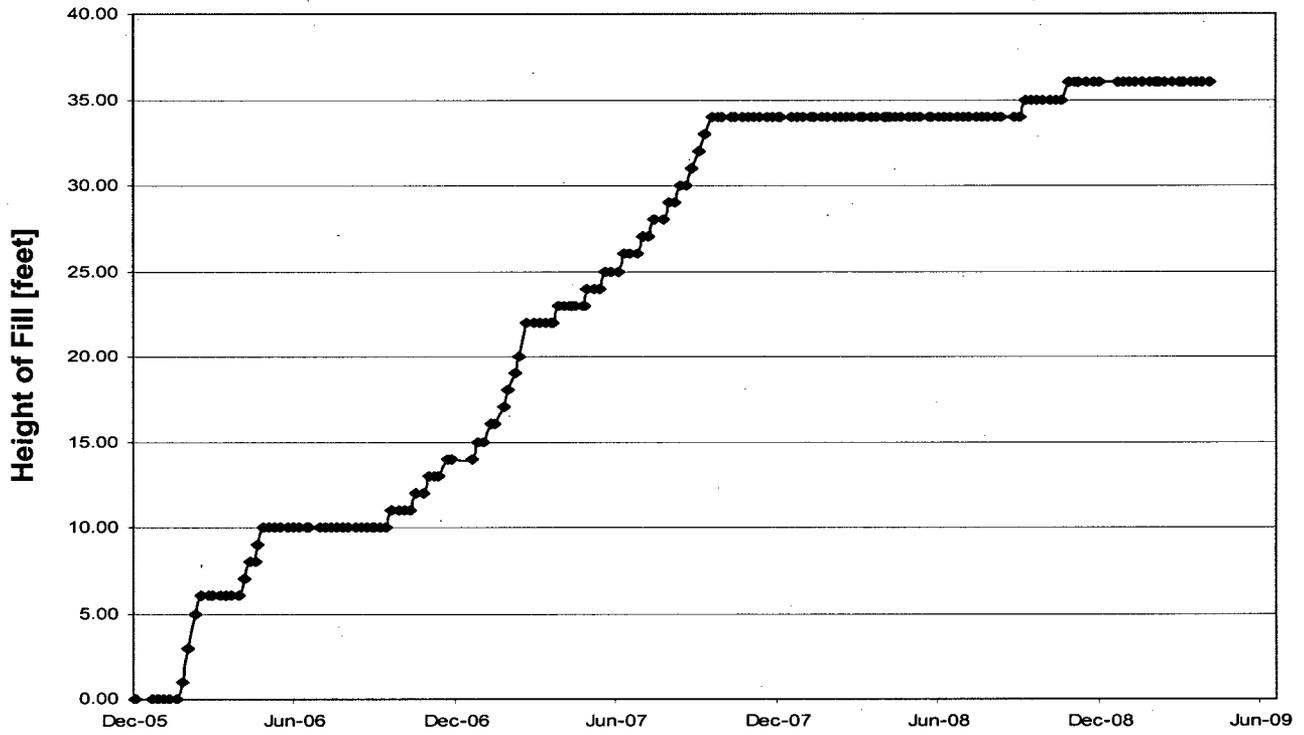


Figure 3
Plate 3 Fill Height and Settlement
Rio Algom Mining, Ambrosia Lake, New Mexico

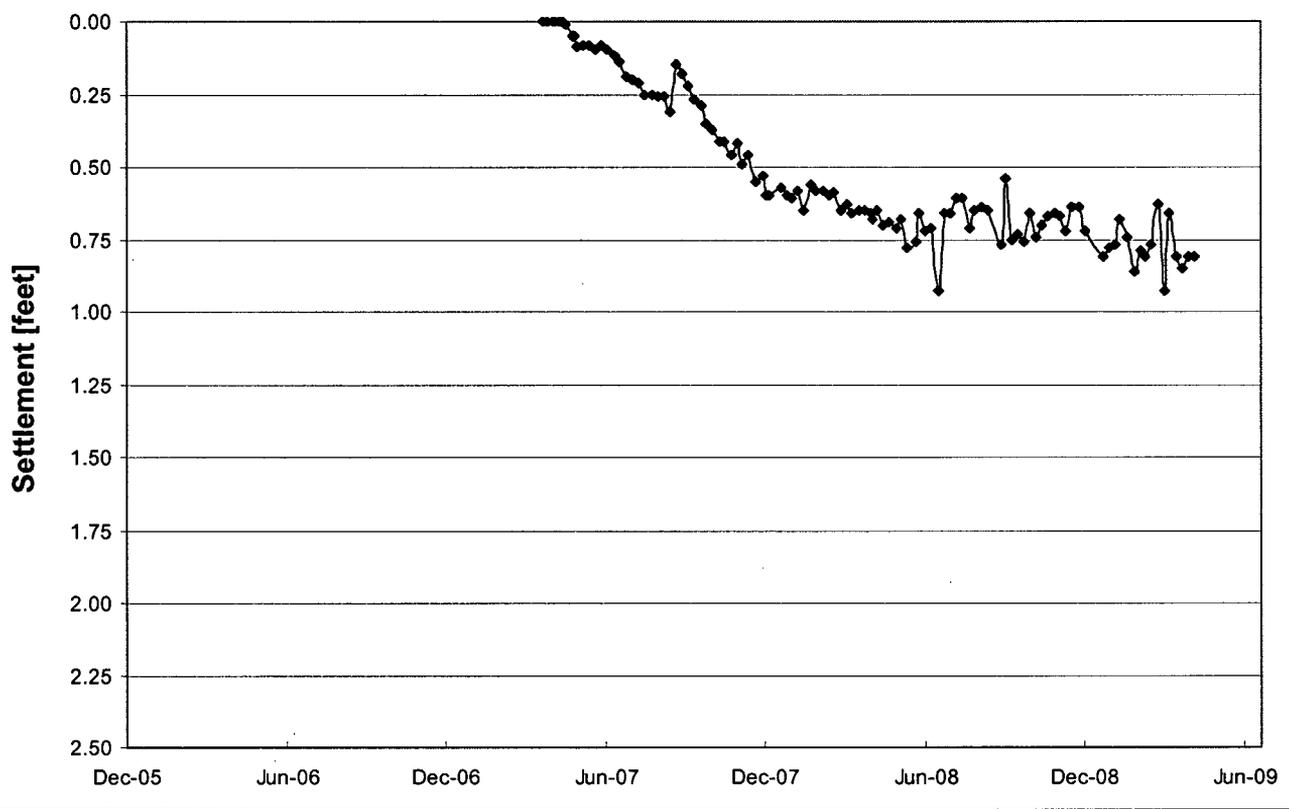
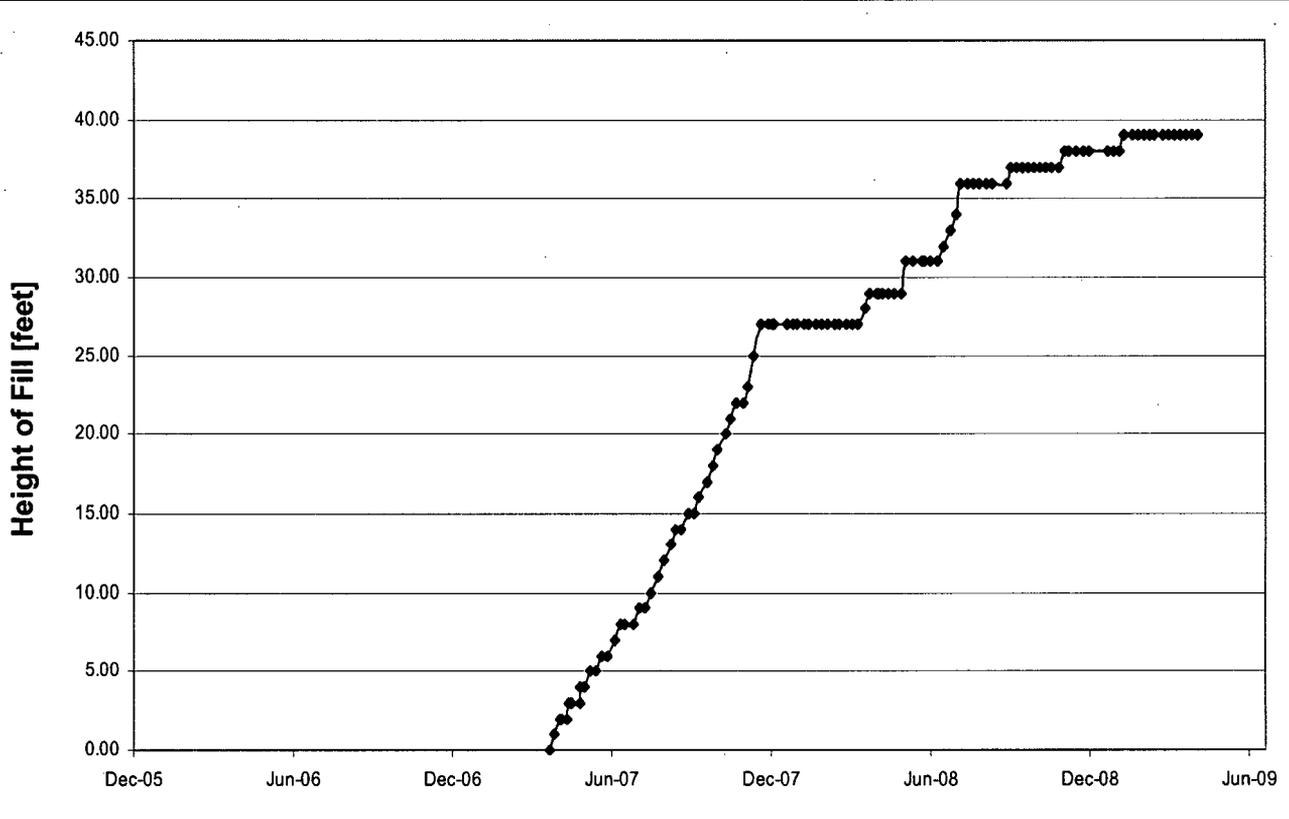


Figure 4
Plate 4 Fill Height and Settlement
Rio Algom Mining, Ambrosia Lake, New Mexico

Table 1. Pond 2 Settlement Plates Summary

Date	Cumulative Cubic Yards Hauled To Date	Plate No. 1 6,994.93				Plate No. 2 6,998.85				Plate No. 3 6,995.84				Plate No. 4 6,993.63			
		Approx Fill Elev. (ft)	Elev. (ft)	Fill Ht. (ft)	Settlement (ft)	Approx Fill Elev. (ft)	Elev. (ft)	Fill Ht. (ft)	Settlement (ft)	Approx Fill Elev. (ft)	Elevation (ft)	Fill Ht (ft)	Settlement (ft)	Approx Fill Elev. (ft)	Elevation (ft)	Fill Ht 9ft)	Settlement (ft)
12/16/2005	73,440	6,996	6,994.93	0.00	0.00	6,996	6,998.85	0.00	0.00	7,001	6,995.84	0.00	0.00	-	-	-	-
1/4/2006	150,368	6,996	6,994.93	0.00	0.00	6,996	6,998.83	0.00	0.02	7,001	6,995.82	0.00	0.02	-	-	-	-
1/10/2006	187,008	6,996	6,994.93	0.00	0.00	6,996	6,998.83	0.00	0.02	7,001	6,995.78	0.00	0.06	-	-	-	-
1/17/2006	226,112	6,996	6,994.93	0.00	0.00	6,996	6,998.80	0.00	0.05	7,001	6,995.78	0.00	0.06	-	-	-	-
1/24/2006	268,384	6,996	6,994.93	0.00	0.00	6,996	6,998.80	0.00	0.05	7,001	6,995.80	0.00	0.04	-	-	-	-
2/1/2006	301,504	6,996	6,994.93	0.00	0.00	6,996	6,998.80	0.00	0.05	7,001	6,995.78	0.00	0.06	-	-	-	-
2/8/2006	339,136	7,002	6,994.87	6.00	0.06	7,002	6,998.78	6.00	0.07	7,002	6,995.78	1.00	0.06	-	-	-	-
2/15/2006	374,432	7,002	6,994.84	6.00	0.09	7,003	6,998.75	7.00	0.10	7,024	6,995.74	3.00	0.10	-	-	-	-
2/23/2006	426,560	7,002	6,994.84	6.00	0.09	7,005	6,998.77	9.00	0.08	7,026	6,995.78	5.00	0.06	-	-	-	-
3/1/2006	458,464	7,002	6,994.83	6.00	0.10	7,007	6,998.77	11.00	0.08	7,007	6,995.74	6.00	0.10	-	-	-	-
3/9/2006	495,576	7,002	6,994.81	6.00	0.12	7,007	6,998.73	11.00	0.12	7,007	6,995.72	6.00	0.12	-	-	-	-
3/15/2006	524,512	7,002	6,994.81	6.00	0.12	7,007	6,998.75	11.00	0.10	7,007	6,995.72	6.00	0.12	-	-	-	-
3/22/2006	560,448	7,002	6,994.79	6.00	0.14	7,007	6,998.72	11.00	0.13	7,007	6,995.72	6.00	0.12	-	-	-	-
3/29/2006	594,848	7,003	6,994.79	7.00	0.14	7,008	6,998.75	12.00	0.10	7,007	6,995.70	6.00	0.14	-	-	-	-
4/4/2006	618,496	7,004	6,994.79	8.00	0.14	7,009	6,998.74	13.00	0.11	7,007	6,995.70	6.00	0.14	-	-	-	-
4/12/2006	664,544	7,004	6,994.76	8.00	0.17	7,009	6,998.73	13.00	0.12	7,007	6,995.69	6.00	0.15	-	-	-	-
4/19/2006	700,960	7,005	6,994.74	9.00	0.19	7,009	6,998.73	13.00	0.12	7,008	6,995.67	7.00	0.17	-	-	-	-
4/26/2006	735,616	7,005	6,994.73	9.00	0.20	7,009	6,998.73	13.00	0.12	7,009	6,995.66	8.00	0.18	-	-	-	-
5/3/2006	772,960	7,005	6,994.68	9.00	0.25	7,010	6,998.69	14.00	0.16	7,009	6,995.66	8.00	0.18	-	-	-	-
5/5/2006	792,096	7,005	6,994.72	9.00	0.21	7,010	6,998.81	14.00	0.04	7,010	6,995.66	9.00	0.18	-	-	-	-
5/10/2006	808,640	7,005	6,994.70	9.00	0.23	7,010	6,998.75	14.00	0.10	7,011	6,995.66	10.00	0.18	-	-	-	-
5/17/2006	840,576	7,005	6,994.68	9.00	0.25	7,010	6,998.72	14.00	0.13	7,011	6,995.66	10.00	0.18	-	-	-	-
5/24/2006	877,440	7,005	6,994.62	9.00	0.31	7,010	6,998.75	14.00	0.10	7,011	6,995.62	10.00	0.22	-	-	-	-
5/31/2006	904,448	7,005	6,994.61	9.00	0.32	7,010	6,998.71	14.00	0.14	7,011	6,995.60	10.00	0.24	-	-	-	-
6/7/2006	939,456	7,005	6,994.60	9.00	0.33	7,010	6,998.69	14.00	0.16	7,011	6,995.60	10.00	0.24	-	-	-	-
6/14/2006	963,040	7,005	6,994.57	9.00	0.36	7,010	6,998.68	14.00	0.17	7,011	6,995.56	10.00	0.28	-	-	-	-
6/21/2006	1,002,496	7,005	6,994.56	9.00	0.37	7,010	6,998.72	14.00	0.13	7,011	6,995.56	10.00	0.28	-	-	-	-
6/28/2006	1,031,104	7,005	6,994.54	9.00	0.39	7,011	6,998.70	15.00	0.15	7,011	6,995.56	10.00	0.28	-	-	-	-
7/2/2006	1,050,752	7,005	6,994.53	9.00	0.40	7,011	6,998.65	15.00	0.20	7,011	6,995.55	10.00	0.29	-	-	-	-
7/13/2006	1,079,712	7,006	6,994.51	10.00	0.42	7,011	6,998.67	15.00	0.18	7,011	6,995.57	10.00	0.27	-	-	-	-
7/20/2006	1,109,696	7,007	6,994.50	11.00	0.43	7,011	6,998.65	15.00	0.20	7,011	6,995.55	10.00	0.29	-	-	-	-
7/26/2006	1,129,408	7,008	6,994.48	12.00	0.45	7,011	6,998.67	15.00	0.18	7,011	6,995.55	10.00	0.29	-	-	-	-
8/2/2006	1,143,744	7,008	6,994.48	12.00	0.45	7,011	6,998.72	15.00	0.13	7,011	6,995.52	10.00	0.32	-	-	-	-
8/9/2006	1,154,112	7,009	6,994.44	13.00	0.49	7,011	6,998.69	15.00	0.16	7,011	6,995.52	10.00	0.32	-	-	-	-
8/16/2006	1,175,040	7,009	6,994.41	13.00	0.52	7,011	6,998.69	15.00	0.16	7,011	6,995.52	10.00	0.32	-	-	-	-
8/23/2006	1,205,888	7,010	6,994.37	14.00	0.56	7,011	6,998.62	15.00	0.23	7,011	6,995.50	10.00	0.34	-	-	-	-
8/24/2006	1,211,360	7,010	6,994.37	14.00	0.56	7,011	6,998.65	15.00	0.20	7,011	6,995.50	10.00	0.34	-	-	-	-
8/30/2006	1,234,176	7,011	6,994.34	15.00	0.59	7,011	6,998.63	15.00	0.22	7,011	6,995.53	10.00	0.31	-	-	-	-
9/6/2006	1,261,824	7,011	6,994.31	15.00	0.62	7,011	6,998.63	15.00	0.22	7,011	6,995.53	10.00	0.31	-	-	-	-
9/13/2006	1,295,328	7,012	6,994.29	16.00	0.64	7,012	6,998.71	16.00	0.14	7,011	6,995.54	10.00	0.30	-	-	-	-
9/14/2006	1,302,656	7,012	6,994.29	16.00	0.64	7,012	6,998.74	16.00	0.11	7,011	6,995.54	10.00	0.30	-	-	-	-
9/20/2006	1,326,496	7,013	6,994.25	17.00	0.68	7,013	6,998.73	17.00	0.12	7,011	6,995.52	10.00	0.32	-	-	-	-
9/27/2006	1,360,832	7,013	6,994.23	17.00	0.70	7,014	6,998.73	18.00	0.12	7,011	6,995.54	10.00	0.30	-	-	-	-
10/4/2006	1,398,432	7,014	6,994.19	18.00	0.74	7,014	6,998.69	18.00	0.16	7,012	6,995.54	11.00	0.30	-	-	-	-
10/12/2006	1,413,888	7,014	6,994.16	18.00	0.77	7,014	6,998.67	18.00	0.18	7,012	6,995.48	11.00	0.36	-	-	-	-
10/18/2006	1,443,424	7,014	6,994.16	18.00	0.77	7,014	6,998.69	18.00	0.16	7,012	6,995.55	11.00	0.29	-	-	-	-
10/19/2006	1,452,032	7,014	6,994.16	18.00	0.77	7,014	6,998.69	18.00	0.16	7,012	6,995.49	11.00	0.35	-	-	-	-
10/25/2006	1,483,072	7,014	6,994.14	18.00	0.79	7,015	6,998.65	19.00	0.20	7,012	6,995.47	11.00	0.37	-	-	-	-
11/1/2006	1,516,992	7,014	6,994.12	18.00	0.81	7,015	6,998.67	19.00	0.18	7,013	6,995.47	12.00	0.37	-	-	-	-
11/8/2006	1,555,360	7,014	6,994.09	18.00	0.84	7,016	6,998.67	20.00	0.18	7,013	6,995.48	12.00	0.36	-	-	-	-
11/15/2006	1,593,696	7,015	6,994.09	19.00	0.84	7,017	6,998.72	21.00	0.13	7,014	6,995.48	13.00	0.36	-	-	-	-
11/21/2006	1,624,640	7,015	6,994.07	19.00	0.86	7,017	6,998.64	21.00	0.21	7,014	6,995.47	13.00	0.37	-	-	-	-
11/27/2006	1,640,160	7,015	6,994.05	19.00	0.88	7,017	6,998.61	21.00	0.24	7,014	6,995.49	13.00	0.35	-	-	-	-
12/6/2006	1,686,720	7,016	6,994.04	20.00	0.89	7,017	6,998.69	21.00	0.16	7,015	6,995.53	14.00	0.31	-	-	-	-
12/12/2006	1,717,824	7,016	6,994.02	20.00	0.91	7,018	6,998.64	22.00	0.21	7,015	6,995.48	14.00	0.36	-	-	-	-
1/4/2007	1,770,656	7,017	6,993.97	21.00	0.96	7,018	6,998.64	22.00	0.21	7,015	6,995.44	14.00	0.40	-	-	-	-
1/10/2007	1,788,384	7,017	6,993.97	21.00	0.96	7,019	6,998.65	23.00	0.20	7,016	6,995.44	15.00	0.40	-	-	-	-
1/17/2007	1,816,288	7,018	6,993.94	22.00	0.99	7,020	6,998.59	24.00	0.26	7,016	6,995.44	15.00	0.40	-	-	-	-
1/25/2007	1,853,024	7,020	6,993.89	24.00	1.04	7,021	6,998.56	25.00	0.29	7,017	6,995.44	16.00	0.40	-	-	-	-
1/30/2007	1,873,088	7,021	6,993.89	25.00	1.04	7,021	6,998.60	25.00	0.25	7,017	6,995.45	16.00	0.39	-	-	-	-
2/8/2007	1,903,808	7,022	6,993.87	26.00	1.06	7,022	6,998.63	26.00	0.22	7,018	6,995.40	17.00	0.44	-	-	-	-
2/13/2007	1,915,968	7,022	6,993.86	26.00	1.07	7,022	6,998.68	26.00	0.17	7,019	6,995.40	18.00	0.44	-	-	-	-
2/21/2007	1,933,952	7,023	6,993.86	27.00	1.07	7,023	6,998.60	27.00	0.25	7,020	6,995.37	19.00	0.47	-	-	-	-
2/27/2007	1,960,512	7,023	6,993.81	27.00	1.12	7,023	6,998.68	27.00	0.17	7,021	6,995.37	20.00	0.47	-	-	-	-

Table 1. Pond 2 Settlement Plates Summary

Date	Cumulative Cubic Yards Hauled To Date	Plate No. 1 6,994.93				Plate No. 2 6,998.85				Plate No. 3 6,995.84				Plate No. 4 6,993.63			
		Approx Fill	Elev. (ft)	Fill Ht. (ft)	Settlement (ft)	Approx Fill	Elev. (ft)	Fill Ht. (ft)	Settlement (ft)	Approx Fill	Elevation (ft)	Fill Ht (ft)	Settlement (ft)	Approx Fill	Elevation (ft)	Fill Ht 9ft)	Settlement (ft)
		Elev. (ft)				Elev. (ft)				Elev. (ft)				Elev. (ft)			
3/7/2007	2,000,224	7.024	6,993.81	28.00	1.12	7.024	6,998.56	28.00	0.29	7.023	6,995.35	22.00	0.49	-	-	-	-
3/15/2007	2,035,296	7.024	6,993.80	28.00	1.13	7.024	6,998.56	28.00	0.29	7.023	6,995.33	22.00	0.51	-	-	-	-
3/21/2007	2,056,064	7.024	6,993.73	28.00	1.20	7.024	6,998.54	28.00	0.31	7.023	6,995.35	22.00	0.49	-	-	-	-
3/27/2007	2,074,432	7.024	6,993.73	28.00	1.20	7.024	6,998.59	28.00	0.26	7.023	6,995.32	22.00	0.52	-	-	-	-
4/4/2007	2,107,744	7.024	6,993.72	28.00	1.21	7.024	6,998.60	28.00	0.25	7.023	6,995.32	22.00	0.52	6.997	-	-	-
4/5/2007	2,113,312	7.024	6,993.72	28.00	1.21	7.025	6,998.60	29.00	0.25	7.023	6,995.32	22.00	0.52	6.997	6,993.63	0.00	0.00
4/11/2007	2,124,992	7.024	6,993.71	28.00	1.22	7.025	6,998.63	29.00	0.22	7.024	6,995.34	23.00	0.50	6.998	6,993.63	1.00	0.00
4/18/2007	2,146,880	7.024	6,993.69	28.00	1.24	7.025	6,998.59	29.00	0.26	7.024	6,995.32	23.00	0.52	6.999	6,993.63	2.00	0.00
4/19/2007	2,152,480	7.024	6,993.69	28.00	1.24	7.025	6,998.59	29.00	0.26	7.024	6,995.29	23.00	0.55	6.999	6,993.63	2.00	0.00
4/25/2007	2,175,552	7.025	6,993.67	29.00	1.26	7.025	6,998.50	29.00	0.35	7.024	6,995.37	23.00	0.47	6.999	6,993.63	2.00	0.00
4/26/2007	2,181,632	7.025	6,993.67	29.00	1.26	7.025	6,998.58	29.00	0.27	7.024	6,995.30	23.00	0.54	6.999	6,993.63	2.00	0.00
4/27/2007	2,187,328	7.025	6,993.67	29.00	1.26	7.025	6,998.52	29.00	0.33	7.024	6,995.30	23.00	0.54	7.000	6,993.63	3.00	0.00
5/1/2007	2,198,784	7.025	6,993.65	29.00	1.28	7.025	6,998.51	29.00	0.34	7.024	6,995.27	23.00	0.57	7.000	6,993.62	3.00	0.01
5/10/2007	2,233,952	7.025	6,993.64	29.00	1.29	7.025	6,998.59	29.00	0.26	7.024	6,995.28	23.00	0.56	7.000	6,993.58	3.00	0.05
5/11/2007	2,240,352	7.025	6,993.64	29.00	1.29	7.025	6,998.63	29.00	0.22	7.024	6,995.28	23.00	0.56	7.001	6,993.58	4.00	0.05
5/15/2007	2,252,448	7.025	6,993.54 *	29.00	1.39	7.025	6,998.53	29.00	0.32	7.025	6,995.28	24.00	0.56	7.001	6,993.54	4.00	0.09
5/22/2007	2,285,920	7.026	6,993.51	30.00	1.42	7.025	6,998.60	29.00	0.25	7.025	6,995.29	24.00	0.55	7.002	6,993.55	5.00	0.08
5/29/2007	2,313,664	7.026	6,993.51	30.00	1.42	7.026	6,998.47	30.00	0.38	7.025	6,995.28	24.00	0.56	7.002	6,993.55	5.00	0.08
6/5/2007	2,349,312	7.026	6,993.47	30.00	1.46	7.026	6,998.57	30.00	0.28	7.026	6,995.29	25.00	0.55	7.003	6,993.53	6.00	0.10
6/12/2007	2,382,496	7.026	6,993.46	30.00	1.47	7.026	6,998.50	30.00	0.35	7.026	6,995.30	25.00	0.54	7.003	6,993.55	6.00	0.08
6/19/2007	2,416,736	7.027	6,993.43	31.00	1.50	7.027	6,998.54	31.00	0.31	7.026	6,995.26	25.00	0.58	7.004	6,993.53	7.00	0.10
6/27/2007	2,457,408	7.027	6,993.41	31.00	1.52	7.027	6,998.51	31.00	0.34	7.027	6,995.25	26.00	0.59	7.005	6,993.51	8.00	0.12
7/2/2007	2,478,208	7.028	6,993.42	32.00	1.51	7.027	6,998.55	31.00	0.30	7.027	6,995.24	26.00	0.60	7.005	6,993.49	8.00	0.14
7/11/2007	2,515,040	7.028	6,993.38	32.00	1.55	7.027	6,998.61	31.00	0.24	7.027	6,995.29	26.00	0.55	7.005	6,993.44	8.00	0.19
7/18/2007	2,546,944	7.028	6,993.37	32.00	1.56	7.028	6,998.60	32.00	0.25	7.028	6,995.33	27.00	0.51	7.006	6,993.43	9.00	0.20
7/24/2007	2,573,216	7.029	6,993.33	33.00	1.60	7.029	6,998.57	33.00	0.28	7.028	6,995.32	27.00	0.52	7.006	6,993.42	9.00	0.21
7/31/2007	2,596,608	7.029	6,993.33	33.00	1.60	7.029	6,998.53	33.00	0.32	7.029	6,995.29	28.00	0.55	7.007	6,993.38	10.00	0.25
8/9/2007	2,624,928	7.030	6,993.30	34.00	1.63	7.030	6,998.53	34.00	0.32	7.029	6,995.29	28.00	0.55	7.008	6,993.38	11.00	0.25
8/16/2007	2,657,984	7.031	6,993.31	35.00	1.62	7.030	6,998.49	34.00	0.36	7.030	6,995.26	29.00	0.58	7.009	6,993.37	12.00	0.26
8/23/2007	2,691,104	7.032	6,993.34	36.00	1.59	7.031	6,998.61	35.00	0.24	7.030	6,995.29	29.00	0.55	7.010	6,993.37	13.00	0.26
8/29/2007	2,719,456	7.032	6,993.32	36.00	1.61	7.031	6,998.50	35.00	0.35	7.031	6,995.31	30.00	0.53	7.011	6,993.32	14.00	0.31
9/5/2007	2,738,112	7.032	6,993.33	36.00	1.60	7.032	6,998.50	36.00	0.35	7.031	6,995.25	30.00	0.59	7.011	6,993.48	14.00	0.15
9/12/2007	2,768,000	7.032	6,993.31	36.00	1.62	7.032	6,998.61	36.00	0.24	7.032	6,995.39	31.00	0.45	7.012	6,993.45	15.00	0.18
9/19/2007	2,803,904	7.032	6,993.31	36.00	1.62	7.033	6,998.60	37.00	0.25	7.033	6,995.18	32.00	0.66	7.012	6,993.41	15.00	0.22
9/25/2007	2,839,104	7.032	6,993.32	36.00	1.61	7.034	6,998.61	38.00	0.24	7.034	6,995.21	33.00	0.63	7.013	6,993.36	16.00	0.27
10/4/2007	2,886,144	7.032	6,993.28	36.00	1.65	7.035	6,998.49	39.00	0.36	7.035	6,995.16	34.00	0.68	7.014	6,993.34	17.00	0.29
10/10/2007	2,916,032	7.032	6,993.34	36.00	1.59	7.035	6,998.49	39.00	0.36	7.035	6,995.19	34.00	0.65	7.015	6,993.28	18.00	0.35
10/16/2007	2,944,000	7.032	6,993.25	36.00	1.68	7.035	6,998.59	39.00	0.26	7.035	6,995.22	34.00	0.62	7.016	6,993.26	19.00	0.37
10/25/2007	2,990,720	7.032	6,993.26	36.00	1.67	7.035	6,998.60	39.00	0.25	7.035	6,995.20	34.00	0.64	7.017	6,993.22	20.00	0.41
10/31/2007	3,014,464	7.032	6,993.24	36.00	1.69	7.035	6,998.57	39.00	0.28	7.035	6,995.20	34.00	0.64	7.018	6,993.22	21.00	0.41
11/7/2007	3,047,904	7.032	6,993.23	36.00	1.70	7.035	6,998.57	39.00	0.28	7.035	6,995.17	34.00	0.67	7.019	6,993.17	22.00	0.46
11/14/2007	3,074,400	7.032	6,993.22	36.00	1.71	7.035	6,998.59	39.00	0.26	7.035	6,995.15	34.00	0.69	7.019	6,993.21	22.00	0.42
11/20/2007	3,099,648	7.032	6,993.20	36.00	1.73	7.035	6,998.58	39.00	0.27	7.035	6,995.14	34.00	0.70	7.020	6,993.14	23.00	0.49
11/27/2007	3,117,248	7.032	6,993.20	36.00	1.73	7.035	6,998.58	39.00	0.27	7.035	6,995.14	34.00	0.70	7.022	6,993.17	25.00	0.46
12/5/2007	3,141,408	7.032	6,993.20	36.00	1.73	7.035	6,998.59	39.00	0.26	7.035	6,995.14	34.00	0.70	7.024	6,993.08	27.00	0.55
12/13/2007	3,141,408	7.032	6,993.36	36.00	1.57	7.035	6,998.57	39.00	0.28	7.035	6,995.17	34.00	0.67	7.024	6,993.10	27.00	0.53
12/18/2007	3,141,408	7.032	6,993.44	36.00	1.49	7.035	6,998.62	39.00	0.23	7.035	6,995.11	34.00	0.73	7.024	6,993.03	27.00	0.60
12/20/2007	3,141,408	7.032	6,993.27	36.00	1.66	7.035	6,998.67	39.00	0.18	7.035	6,995.11	34.00	0.73	7.024	6,993.03	27.00	0.60
1/3/2008	3,141,408	7.032	6,993.51	36.00	1.42	7.035	6,998.61	39.00	0.24	7.035	6,995.18	34.00	0.66	7.024	6,993.06	27.00	0.57
1/10/2008	3,141,408	7.032	6,993.15	36.00	1.78	7.035	6,998.61	39.00	0.24	7.035	6,995.14	34.00	0.70	7.024	6,993.03	27.00	0.60
1/15/2008	3,141,408	7.032	6,993.14	36.00	1.79	7.035	6,998.60	39.00	0.25	7.035	6,995.14	34.00	0.70	7.024	6,993.02	27.00	0.61
1/23/2008	3,141,408	7.032	6,993.12	36.00	1.81	7.035	6,998.57	39.00	0.28	7.035	6,995.14	34.00	0.70	7.024	6,993.05	27.00	0.58
1/29/2008	3,141,408	7.032	6,993.12	36.00	1.81	7.035	6,998.57	39.00	0.28	7.035	6,995.19	34.00	0.65	7.024	6,992.98	27.00	0.65
2/6/2008	3,141,408	7.032	6,993.10	36.00	1.83	7.035	6,998.54	39.00	0.31	7.035	6,995.13	34.00	0.71	7.024	6,993.07	27.00	0.56
2/12/2008	3,141,408	7.032	6,993.09	36.00	1.84	7.035	6,998.58	39.00	0.27	7.035	6,995.09	34.00	0.75	7.024	6,993.05	27.00	0.58
2/20/2008	3,141,408	7.032	6,993.10	36.00	1.83	7.035	6,998.59	39.00	0.26	7.035	6,995.10	34.00	0.74	7.024	6,993.05	27.00	0.58
2/27/2008	3,141,408	7.032	6,993.10	36.00	1.83	7.035	6,998.62	39.00	0.23	7.035	6,995.13	34.00	0.71	7.024	6,993.03	27.00	0.60
3/4/2008	3,145,824	7.032	6,993.07	36.00	1.86	7.035	6,998.56	39.00	0.29	7.035	6,995.15	34.00	0.69	7.024	6,993.04	27.00	0.59
3/12/2008	3,145,824	7.032	6,993.08	36.00	1.85	7.035	6,998.56	39.00	0.29	7.035	6,995.12	34.00	0.72	7.024	6,992.98	27.00	0.65
3/19/2008	3,145,824	7.032	6,993.07	36.00	1.86	7.035	6,998.53	39.00	0.32	7.035	6,995.14	34.00	0.70	7.02			

Table 1. Pond 2 Settlement Plates Summary

Date	Cumulative Cubic Yards Hauled To Date	Plate No. 1 6,994.93				Plate No. 2 6,998.85				Plate No. 3 6,995.84				Plate No. 4 6,993.63			
		Approx Fill	Elev. (ft)	Fill Ht. (ft)	Settlement (ft)	Approx Fill	Elev. (ft)	Fill Ht. (ft)	Settlement (ft)	Approx Fill	Elevation (ft)	Fill Ht (ft)	Settlement (ft)	Approx Fill	Elevation (ft)	Fill Ht 9ft)	Settlement (ft)
		Elev. (ft)	Elev. (ft)	Fill Ht. (ft)	Settlement (ft)	Elev. (ft)	Elev. (ft)	Fill Ht. (ft)	Settlement (ft)	Elev. (ft)	Elevation (ft)	Fill Ht (ft)	Settlement (ft)	Elev. (ft)	Elevation (ft)	Fill Ht 9ft)	Settlement (ft)
4/18/2008	6,132,912	7.032	6,993.04	36.00	1.89	7.035	6998.50	39.00	0.35	7.035	6,995.14	34.00	0.70	7.026	6,992.95	29.00	0.68
4/22/2008	3,165,952	7.032	6,993.06	36.00	1.87	7.035	6998.53	39.00	0.32	7.035	6,995.15	34.00	0.69	7.026	6,992.98	29.00	0.65
4/29/2008	3,172,872	7.032	6,993.05	36.00	1.88	7.035	6998.56	39.00	0.29	7.035	6,995.12	34.00	0.72	7.026	6,992.93	29.00	0.70
5/6/2008	3,180,064	7.033	6,993.05	37.00	1.88	7.035	6998.55	39.00	0.30	7.035	6,995.16	34.00	0.68	7.026	6,992.94	29.00	0.69
5/14/2008	3,184,000	7.033	6,993.04	37.00	1.89	7.035	6998.57	39.00	0.28	7.035	6,995.13	34.00	0.71	7.026	6,992.92	29.00	0.71
5/20/2008	3,188,288	7.033	6,993.05	37.00	1.88	7.035	6998.59	39.00	0.26	7.035	6,995.14	34.00	0.70	7.028	6,992.95	31.00	0.68
5/27/2008	3,192,960	7.033	6,993.05	37.00	1.88	7.035	6998.50	39.00	0.35	7.035	6,995.12	34.00	0.72	7.028	6,992.85	31.00	0.78
6/6/2008	3,205,312	7.033	6,992.99	37.00	1.94	7.035	6998.49	39.00	0.36	7.035	6,995.07	34.00	0.77	7.028	6,992.87	31.00	0.76
6/10/2008	3,210,240	7.033	6,993.03	37.00	1.90	7.035	6998.54	39.00	0.31	7.035	6,995.15	34.00	0.69	7.028	6,992.97	31.00	0.66
6/17/2008	3,223,904	7.034	6,993.03	38.00	1.90	7.035	6998.57	39.00	0.28	7.035	6,995.08	34.00	0.76	7.028	6,992.91	31.00	0.72
6/24/2008	3,238,752	7.034	6,993.01	38.00	1.92	7.035	6998.62	39.00	0.23	7.035	6,995.18	34.00	0.66	7.028	6,992.92	31.00	0.71
7/1/2008	3,249,568	7.034	6,993.03	38.00	1.90	7.035	6998.50	39.00	0.35	7.035	6,995.12	34.00	0.72	7.029	6,992.70	32.00	0.93
7/9/2008	3,260,640	7.034	6,993.02	38.00	1.91	7.035	6998.49	39.00	0.36	7.035	6,995.08	34.00	0.76	7.030	6,992.97	33.00	0.66
7/16/2008	3,273,376	7.034	6,993.00	38.00	1.93	7.035	6998.54	39.00	0.31	7.035	6,995.05	34.00	0.79	7.031	6,992.97	34.00	0.66
7/22/2008	3,283,808	7.034	6,993.01	38.00	1.92	7.035	6998.55	39.00	0.30	7.035	6,995.05	34.00	0.79	7.033	6,993.02	36.00	0.61
7/30/2008	3,294,656	7.035	6,993.01	39.00	1.92	7.035	6998.55	39.00	0.30	7.035	6,995.05	34.00	0.79	7.033	6,993.02	36.00	0.61
8/6/2008	3,306,752	7.035	6,993.01	39.00	1.92	7.035	6998.55	39.00	0.30	7.035	6,995.17	34.00	0.67	7.033	6,992.92	36.00	0.71
8/12/2008	3,314,912	7.035	6,993.01	39.00	1.92	7.035	6998.69	39.00	0.16	7.035	6,995.13	34.00	0.71	7.033	6,992.98	36.00	0.65
8/20/2008	3,329,696	7.035	6,992.99	39.00	1.94	7.036	6998.56	40.00	0.29	7.035	6,995.04	34.00	0.80	7.033	6,992.99	36.00	0.64
8/27/2008	3,342,048	7.035	6,992.99	39.00	1.94	7.036	6998.64	40.00	0.21	7.035	6,995.16	34.00	0.68	7.033	6,992.98	36.00	0.65
9/12/2008	3,354,048	7.035	6,992.96	39.00	1.97	7.036	6998.56	40.00	0.29	7.035	6,995.06	34.00	0.78	7.033	6,992.86	36.00	0.77
9/17/2008	3,355,648	7.036	6,992.93	40.00	2.00	7.036	6998.45	40.00	0.40	7.035	6,995.23	34.00	0.61	7.034	6,993.09	37.00	0.54
9/24/2008	3,367,168	7.036	6,992.96	40.00	1.97	7.036	6998.61	40.00	0.24	7.036	6,995.10	35.00	0.74	7.034	6,992.88	37.00	0.75
10/1/2008	3,373,472	7.036	6,992.95	40.00	1.98	7.036	6998.62	40.00	0.23	7.036	6,995.10	35.00	0.74	7.034	6,992.90	37.00	0.73
10/8/2008	3,375,264	7.036	6,992.93	40.00	2.00	7.036	6998.62	40.00	0.23	7.036	6,995.07	35.00	0.77	7.034	6,992.87	37.00	0.76
10/14/2008	3,384,512	7.037	6,992.94	41.00	1.99	7.036	6998.58	40.00	0.27	7.036	6,995.09	35.00	0.75	7.034	6,992.97	37.00	0.66
10/21/2008	3,386,912	7.037	6,992.94	41.00	1.99	7.036	6998.63	40.00	0.22	7.036	6,995.09	35.00	0.75	7.034	6,992.89	37.00	0.74
10/28/2008	3,393,472	7.037	6,992.94	41.00	1.99	7.036	6998.64	40.00	0.21	7.036	6,995.12	35.00	0.72	7.034	6,992.93	37.00	0.70
11/4/2008	3,402,912	7.037	6,992.90	41.00	2.03	7.036	6998.54	40.00	0.31	7.036	6,995.12	35.00	0.72	7.034	6,992.96	37.00	0.67
11/12/2008	3,414,560	7.037	6,992.93	41.00	2.00	7.036	6998.61	40.00	0.24	7.037	6,995.17	36.00	0.67	7.034	6,992.97	37.00	0.66
11/18/2008	3,423,104	7.037	6,992.95	41.00	1.98	7.036	6998.62	40.00	0.23	7.037	6,995.13	36.00	0.71	7.035	6,992.96	38.00	0.67
11/24/2008	3,431,104	7.037	6,992.93	41.00	2.00	7.036	6998.57	40.00	0.28	7.037	6,995.13	36.00	0.71	7.035	6,992.91	38.00	0.72
12/2/2008	3,439,648	7.037	6,992.93	41.00	2.00	7.036	6998.63	40.00	0.22	7.037	6,995.15	36.00	0.69	7.035	6,992.99	38.00	0.64
12/10/2008	3,450,720	7.037	6,992.94	41.00	1.99	7.036	6998.62	40.00	0.23	7.037	6,995.14	36.00	0.70	7.035	6,992.99	38.00	0.64
12/17/2008	3,454,304	7.037	6,992.95	41.00	1.98	7.036	6998.70	40.00	0.15	7.037	6,995.12	36.00	0.72	7.035	6,992.91	38.00	0.72
1/7/2009	3,456,864	7.037	6,992.90	41.00	2.03	7.036	6998.77	40.00	0.08	7.037	6,995.16	36.00	0.68	7.035	6,992.82	38.00	0.81
1/14/2009	3,467,200	7.037	6,992.84	41.00	2.09	7.036	6998.58	40.00	0.27	7.037	6,995.07	36.00	0.77	7.035	6,992.85	38.00	0.78
1/20/2009	3,476,000	7.037	6,992.86	41.00	2.07	7.036	6998.56	40.00	0.29	7.037	6,995.12	36.00	0.72	7.035	6,992.86	38.00	0.77
1/26/2009	3,482,880	7.037	6,992.88	41.00	2.05	7.036	6998.53	40.00	0.32	7.037	6,995.11	36.00	0.73	7.036	6,992.95	39.00	0.68
2/4/2009	3,498,240	7.037	6,992.90	41.00	2.03	7.037	6998.48	41.00	0.37	7.037	6,995.17	36.00	0.67	7.036	6,992.89	39.00	0.74
2/12/2009	3,510,144	7.037	6,992.91	41.00	2.02	7.037	6998.63	41.00	0.22	7.037	6,995.15	36.00	0.69	7.036	6,992.77	39.00	0.86
2/18/2009	3,515,872	7.037	6,992.90	41.00	2.03	7.038	6998.57	42.00	0.28	7.037	6,995.11	36.00	0.73	7.036	6,992.84	39.00	0.79
2/24/2009	3,527,168	7.037	6,992.95	41.00	1.98	7.038	6998.72	42.00	0.13	7.037	6,995.14	36.00	0.70	7.036	6,992.82	39.00	0.81
3/2/2009	3,535,520	7.037	6,992.93	41.00	2.00	7.038	6998.77	42.00	0.08	7.037	6,995.14	36.00	0.70	7.036	6,992.86	39.00	0.77
3/11/2009	3,547,968	7.037	6,992.96	41.00	1.97	7.038	6998.58	42.00	0.27	7.037	6,995.19	36.00	0.65	7.036	6,993.00	39.00	0.63
3/18/2009	3,556,192	7.038	6,992.89	42.00	2.04	7.038	6998.49	42.00	0.36	7.037	6,995.15	36.00	0.69	7.036	6,992.70	39.00	0.93
3/24/2009	3,564,704	7.038	6,992.83	42.00	2.10	7.038	6998.44	42.00	0.41	7.037	6,995.21	36.00	0.63	7.036	6,992.97	39.00	0.66
3/31/2009	3,571,168	7.038	6,992.88	42.00	2.05	7.038	6998.63	42.00	0.22	7.037	6,995.10	36.00	0.74	7.036	6,992.82	39.00	0.81
4/7/2009	3,577,984	7.038	6,992.89	42.00	2.04	7.038	6998.69	42.00	0.16	7.037	6,995.10	36.00	0.74	7.036	6,992.78	39.00	0.85
4/14/2009	3,582,560	7.038	6,992.88	42.00	2.05	7.038	6998.65	42.00	0.20	7.037	6,995.08	36.00	0.76	7.036	6,992.82	39.00	0.81
4/21/2009	3,589,152	7.038	6,992.88	42.00	2.05	7.038	6998.65	42.00	0.20	7.037	6,995.14	36.00	0.70	7.036	6,992.82	39.00	0.81

*Settlement marker #1 was hit by the 815 Compactor between May 11 - 15, 2007 and was reset May 15th. As a result of the resetting, the measured elevation was 0.10' lower than the previous elevation.