POLARIS MINE

POST-RECLAMATION MONITORING REPORT

3rd QUARTER 2010

FOR THE NUNAVUT WATER BOARD

&

INDIAN AND NORTHERN AFFAIRS CANADA

January 17, 2011

Teck

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January 17, 2011

Nunavut Water Board
Box 119
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Attention: Phyllis Beaulieu, Manager of Licensing

Indian and Northern Affairs Canada
969 Qimugjuk Building, 2nd Floor
Iqaluit, Nunavut
X0A 0H0

Attention: Mr. Jeff Mercer, Manager, Lands Administration

Dear Ms. Beaulieu and Mr. Mercer;

Re: <u>Polaris Mine 2010 3rd Quarter Water Licence NWB1POL0311 and Decommissioning and Reclamation Monitoring Report</u>

Please find attached the Polaris Mine 2010 3rd Quarter Water Licence Report / Decommissioning and Reclamation Plan (DRP) Report. This is being submitted electronically and followed by a paper copy. The paper copy has attached in Appendix 12 a CD containing the electronic file of the document in pdf format.

During the 3rd Quarter of 2010, the key annual monitoring requirements for the Polaris Mine were undertaken, as the site was snow free during July and August. From July 12th to 16th, up to 6 people were on site to conduct the geotechnical inspection, surveying, planning for site abandonment, retrieving thermistor data and collecting other miscellaneous samples. A site inspection was planned by INAC but foggy conditions on the island prevented the inspection from occurring as planned. The planned final clean up of the site and preparations for demobilizing from site took place between August 15th and September 2nd 2010. A contractor had 5 people on site during this period undertaking the work. Teck retained AECOM to have an environmental technician on site to monitor the work done to ensure that all work complied with approved Closure Plan protocols. While on site the Technician undertook weekly water quality sampling of Garrow Creek and the August (minimum ice condition) sampling of Garrow Lake. At the end of the work program, the camp facilities, equipment and supplies had been moved to a staging area ready to be loaded onto a ship for removal from the island. It is planned to contract a ship to do the pickup of the materials in late August to early September 2011. The majority of the fuel remaining on site was burned, any hydrocarbon contaminated soils cleaned up and packaged for shipment off the island with the 2011 sealift. All remaining debris was buried in LRD Quarry landfill under a minimum 2.5 metre thick cap. Final grading of the camp area was done to improve the appearance of the area consistent with other contouring work done previously. By mid-September, the site was snow covered and Garrow Creek was frozen ending the surface water sampling for the winter.

The attached report details the following items that were inspected and/or sampled during the 3rd Quarter:

- Water quality samples of effluent discharge from Garrow Lake were taken weekly during periods of flow. The flow meter failed and some flow data is missing for the summer.
- Surveyed the wave-break structure and measured the water elevation at Garrow Lake during mid July.

- In late August (minimum ice conditions), the water chemistry of the water column of Garrow Lake was sampled from two different sampling sites.
- Wind speeds at Resolute were reviewed during open water periods of Garrow Lake when the site was not occupied.
- Surface water TSS samples of were taken from Frustration Lake
- The surface water observed at Little Red Dog Landfill was sampled for zinc content.
- Three soil samples from the former Concentrate Storage Building area were collected.
- The annual geotechnical inspection of the site by a Golder Associates professional geotechnical engineer was conducted.
- Retrieved the previous 12 months of daily temperature data from eight landfill thermistor strings that monitor the temperature conditions within the two landfills.
- The annual topographic surveys of the subsidence area and the marine foreshore were completed.
- Completed the final site cleanup and preparations for final demobilization from the site.
- Monitoring of the site cleanup and demobilization activities of the contractor was undertaken by a technician from AECOM environmental consultants.

If there are any questions related to this report, please contact me at any time.

Yours truly,

B Donald

Bruce Donald
Reclamation Manager
Environment and Corporate Affairs
Teck Resources Limited

Enclosure:

- 2010 3rd Quarter Polaris Mine Site Monitoring Data Report

CC: Ian Parsons, INAC

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1. EXECUTIVE SUMMARY IN INUKTITUT

Refer to Appendix 1 for an executive summary of the contents of this report translated into Inuktitut by Susan Salluviniq of Resolute Bay, Nunavut which will be submitted with the paper copy of this report.

2. INTRODUCTION

During the 3rd Quarter of 2010, the key annual monitoring requirements for the Polaris Mine were undertaken, as the site is relatively snow free through July and August. A crew varying between 5 - 6 people re-opened the camp on July 12th and remained on site until July 16th to facilitate the comprehensive annual site inspection and other work. The staff on site consisted of:

a. A professional geotechnical engineer from Golder Associates (Golder) was on site for 2 days to conduct the annual geotechnical inspection.
b. A mechanic/equipment operator to maintain the site mechanical equipment.
c. A surveyor from Focus Engineering to conduct the annual subsidence area survey, the marine foreshore survey and to survey the wave-break structure at Garrow Lake.
d. An Inuit assistant from Resolute Bay continuing clean up litter, provide safety for staff by performing bear watch for staff working away from camp, and to observe and report our activities back to the local community.
e. A Teck representative conducting a general site inspection and collecting thermistor data.

It was planned for an INAC inspector and their geotechnical consultant to conduct a detailed site inspection while personnel were at site in July. However, foggy weather over several days prevented the inspection from occurring (charter aircraft were unable to fly from Resolute Bay to the site).

Between July 16th and August 15th, site water quality monitoring was conducted by contracted personnel who flew to site from Resolute Bay. On August 15th an AECOM representative returned to site with 5 contractors to monitor the final site cleanup and demobilization activities. They worked on site until September 2nd when all planned activities (including the scheduled surface water quality monitoring) were completed.

3. WATER QUALITY MONITORING

During the 3rd Quarter, water quality monitoring was undertaken within the water column of Garrow Lake and from Garrow Creek at the "Final Discharge Point" (Garrow Lake effluent).

3.1. Garrow Lake Effluent

The Water Licence and the DRP requires weekly sampling of the Final Discharge Point from Garrow Lake during periods of effluent discharge. Sampling was planned to start July 5th and continued through until September 2nd. During this period, 3 of 9 sampling events were missed due to poor weather conditions preventing access to the site. Appendix 2 presents all of the water quality monitoring data conducted at the Final Discharge Point. The water quality program was overseen by Azimuth Consulting Group (lab coordination) in combination with AECOM (field services). Azimuth Consulting Group received all the data and compiled the report attached in Appendix 2.

All water quality results were compliant with the parameters specified in the Water Licence. Table 1 summarizes the primary parameters of interest for the Garrow Lake effluent and the associated Water Licence regulatory limits.

TABLE 1
GARROW LAKE EFFLUENT - WATER QUALITY MONITORING
PRIMARY SUBSTANCES OF INTEREST

	Concentration - mg/L		
	LEAD	**ZINC**	**TSS[1]**
Water Licence Limits			
Monthly Mean	0.07	0.50	15.00
Maximum Grab	0.14	1.00	30.00
Sample Results from:			
16-Jul-10	0.0017	0.015	1.0
30-Jul-10	0.0011	0.032	1.0
13-Aug-10	0.0020	0.069	2.0
23-Aug-10	0.0002	0.098	2.0
27-Aug-10	0.0002	0.088	2.0
02-Sep-10	0.0002	0.087	1.0

Note - Analysis less than dection limit

There were three missed sampling events during the time when the creek was flowing. For the week of July 5th there was no trained person available in Resolute to take the sample. The samples required for the weeks of July 19th and August 2nd were missed due to poor weather conditions combined with lack of availability of charter aircraft on those weeks once the weather cleared. There is only one air charter company based Resolute Bay.

Samples were also taken where Garrow Creek enters Garrow Bay on both July 16th and August 23rd. as part of the Monthly sampling events. The Reference Station in Garrow Bay which was originally used for the Metal Mining Effluent Regulations sampling program was also sampled on August 23rd. During the July 16th sampling event, the Reference Station was still frozen over so it was not possible to safely take a sample. The data is included in Appendix 2.

During the summer, acute toxicity monitoring was done twice (on July 16th and on August 23rd). The monthly acute toxicity was not done in September as the Final Discharge Point had frozen by the planned mid September sampling event. Sample holding times were exceeded due to shipping problems from the arctic despite best efforts to expedite shipping. Despite this, the lab was instructed to proceed with testing. The laboratory results had no acute lethality for LC50 acute toxicity (96-h rainbow trout and 48-h Daphnia magna) for any of the samples. Subacute testing was also conducted and the results are included in Appendix 2.

3.2. Garrow Lake Water Column

The Water Licence requires that comprehensive sampling of Garrow Lake water column is conducted at two monitoring stations (Water Licence Station 262-3 and 262-3a) during the period of maximum ice melt. Sampling was undertaken on August 30th, 2010.

In summary, the key results from the testing are as expected:

- The structure of Garrow Lake remains stable due to the salinity differences (i.e. increasing density with depth) in the water column.
- The general profile of chemistry through the water column remains consistent with previous sampling events.
- Both the chemistry and density data between the two sampling locations (262-3 and 262-3A) are virtually identical and continue to confirm that there is strong horizontal uniformity within layers of the lake.

Appendix 3 contains the field data collected with the Hydrolab through the water column which includes; pH, temperature, dissolved oxygen, conductivity and Redox potential. The data collected is consistent with previous data and demonstrates that the increase in water density with depth in the lake (as indicated by conductivity) remains strong as predicted and verifies the continued stability of the meromictic nature of the lake. Comparing the data from both Station 262-3 and 262-3a continue to confirm that both sample stations result in virtually identical data from the depth profiles being measured. Graphical analysis of the data will be presented in the 2010 Annual report where both the maximum ice cover and minimum ice cover data will be presented.

Appendix 4 contains the sample chemistry results for data collected at various depths of the water column from both Stations 262-3 and 262-3a in August. In Appendix 4 the station referred to as GLC (Garrow Lake Centre) is Station 262-3 and the samples identified as GLS (Garrow Lake South) are Station 262-3A. No unusual results were noted and the chemistry continues to show the surface waters to contain zinc concentrations below 0.3 mg/L, a peak in concentrations of zinc at 10 m depth, and at depth, the zinc concentrations decrease to less than 0.02 mg/L. These results are consistent with data from recent years. A series of graphs of the chemistry data will be presented in the 2010 Annual report where both the maximum ice cover and minimum ice cover sampling events will be reviewed.

3.3. Other Surface Waters

Approvals under the DRP require sampling of surface waters at two additional locations each year. These were collected during the 3rd Quarter when summer conditions permitted the sampling to occur (Refer to Appendix 5 for laboratory reports). The results are discussed below.

3.3.1. Little Red Dog Quarry Landfill

The Little Red Dog Quarry landfill (LRDQL) cover was placed with a low angle slope so that any water from rainfall or from melting snow will drain from the quarry area through the notch cut in the quarry wall. The DRP approval permitting the placement of metals contaminated soils in LRDQL require that any surface waters are sampled annually. This is intended to confirm that no unacceptable concentrations of metals are being leached from the capped soils.

On July 16th, 2010 a small area with water slowly flowing on surface in the notch of LRD Quarry was sampled. The surface water was only flowing a short distance from where a small puddle was observed to where the water re-entered the coarse ground surface materials and disappeared. This is the same as was observed in previous years.

The metal concentrations were low confirming that there are no concerns with uptake of metals into surface water flowing from this area. Results were:

- Lead was 0.00027 mg/L (total),
- Zinc was 0.0219 mg/L (total)

3.3.2. Frustration Lake

The approval under the DRP to decommission the freshwater system at Frustration Lake required that on an annual basis during the ice free period in the summer, a water sample of the lake is taken adjacent to the jetty. The intent of the sample is to monitor TSS as an additional indicator that the jetty is not being eroded at an unacceptable rate. The inspection of the jetty is also included in the annual geotechnical inspection in Appendix 7 of this report. The jetty continues to be stable and there was no evidence of significant erosion since 2008. The lake water was clear, the laboratory report of the sample collected on July 16th, 2010 had a TSS of < 3.0 mg/L.

4. PHYSICAL STABILITY OF THE SITE

The physical stability of the site was monitored by a geotechnical inspection the site and topographical surveys.

4.1. Subsidence Survey

Annually, Teck contracts a topographic survey of this area to monitor for any settlement compared to previous years. In 2010 as in previous years, this survey was conducted using a Trimble 5700/5800 Trimark 3 high accuracy GPS system. This system allows a large number of data points to be collected so that a detailed and accurate topographic map can be drawn. The resulting topographic contour map is included in Appendix 6. It is apparent from the cross sections comparing data collected in 2005, 2009 and 2010 that there is no evidence of any minor and/or significant movement in this area since the topographic surveys were initiated. The data from other years have been previously submitted are not shown as they clutter up the drawing but they do not show any different results. The 2010 to 2005 comparison shows the longer term and the 2010 to 2009 data shows any changes from the previous year.

Appendix 6 also contains a drawing showing two small surface cracks that were surveyed in 2010 that had not been previously surveyed. It has become apparent that cracks seen one year are not necessarily identified the following year. Surveys from one year to the next do not consistently identify the same cracks as seen in previous crack survey drawings. It is not because they have disappeared, but because they can be difficult to find. Conversely there were two short cracks identified in 2010 that had not been previously surveyed. It is believed that:

- One existed previously and was just small enough to not have been previously surveyed, and
- One, based on the shape of the crack, likely represents a small area where snow/ice has melted causing very localized settling of the soils.

As the detailed topographic survey does not show any movement, it reinforces that there should not be any new tension cracks appearing.

In addition to the detailed surveys being done, a Golder Associates professional geotechnical engineer was on site and conducted a visual inspection of this area. The geotechnical engineer did not identify any areas of concern (refer to the geotechnical report in Appendix 7).

The primary purpose of this monitoring is to confirm that the ground surface is stable and that there are no public safety hazards or hazards to wildlife created by subsidence of the ground surface over the underground mine workings. The survey results are to measure if there is any ground movement, and the primary purpose of the visual inspection is to identify if there are any hazards present. Since 2005, both the survey data and the visual inspections verify that there are no concerns evident.

This survey will be undertaken for one final time again next July.

4.2. Marine Foreshore Survey

Annually, Teck contracts a survey along three lines oriented perpendicular to the marine shoreline in the area of the former product storage shed, barge area, and dock. These areas were re-profiled to a nearly flat slope near the waters edge to minimize the rates of erosion from wave action along the shoreline in this area.

The results of the survey are included in Appendix 6. The topography is continually being reworked by ice that is pushed up against the shoreline and this is apparent in the topographic sections in Appendix 6 that compares surveys from 2010, 2009, 2008 and 2005. While the ice action against and beneath the shoreline area have altered the look of the foreshore, there is no evidence of any significant erosion of the shoreline occurring. A discussion of this area is included in the geotechnical inspection below in the section identified as Area 8.

4.3. Annual Geotechnical Inspection

While there is little detail in either the Water Licence or the DDRP approval as to the specific requirements for the annual geotechnical inspection, a comprehensive inspection is conducted each year by an independent professional geotechnical engineer. The 2010 inspection report is included in Appendix 7. The inspection included all of the engineered structures constructed or altered during the reclamation process by area as presented in the Golder Associates report. It should be noted that while the consulting company changed from the 2009 inspection, the same professional geotechnical engineer conducted the inspection in 2010 in order to ensure familiarization with the site and knowledge of previous conditions were continued for consistency:

- Garrow Lake, Creek and Dam
- Frustration Lake Jetty and Access Road
- New Quarry Area
- Subsidence Area
- Operational Landfill
- Little Red Dog quarry Landfill
- Mine Portals
- Marine Foreshore Adjacent to Former Dock

In summary, the results of the geotechnical inspection were:

Area 1 – Garrow Lake, Creek and Dam

- A gravel berm formed at the outlet of the lake by ice action has been monitored each year. It appears to be increasing in size but water from the lake drains through this berm and the rock fill wave break structure. Teck monitors this berm by conducting surveys each year to monitor the lake level and berm elevations. The geotechnical inspection concludes, “The formation of a gravel berm at the lake outlet is considered a natural process and is not expected to be problematic or require attention.”
- The decommissioned dam is inspected each year. The inspection concludes that the breached slopes of the dam appear to be stable after several years of post closure inspection. The rip-rap on the lower slopes of the dam breach appears to be stable.

Area 2 – Frustration Lake Jetty and Access Road

- The access road water bars appear to be performing well and should not require further attention.
- Lake water around the jetty has been clear during all post-closure inspections.

Area 3 – New Quarry Area

- Previously repaired erosion gullies appear to be performing well. Some minor slumping of re-contoured quarry slopes noted in 2009 appears to be unchanged in 2010.

Area 4 – Subsidence Area

- The main issue in the subsidence area is whether there are any signs of subsidence that could pose risk to people or wildlife. None were noted and the geotechnical engineer did not visually note any changes from previous years.

Area 5 – Operational Landfill

- The geotechnical report states “In general, post-closure visual inspections carried out since the Operational Landfill was closed during decommissioning indicate that the Operational Landfill slopes are stable.”

Area 6 – Little Red Dog Quarry Landfill

- The geotechnical report states, “The rock fill cover at the Little Red Dog Quarry Landfill continues to show no indications of instability or settlement.” The report also indicates that additional waste materials will be buried beneath rock fill cover in 2011. In fact, after completion of the inspection, work at site progressed better than expected and so this was completed in August 2010 (Refer to Section 6 “Reclamation Activities” for details).

Area 7 – Mine Portals

The purpose of the portal seals is to keep people and animals from access the underground workings. The portal seals have been covered to hide them and to restore the natural appearance of the slopes. It is these cover slopes that are visible for the geotechnical inspection.

- The geotechnical inspection found that all four covers remain unchanged from previous inspections including the Main Portal which underwent additional slope stabilization work in 2009.

- The geotechnical inspection also reconfirmed that "Minor slumping of backfilled slopes in front of the sealed portals will not expose the mine seals or allow access into the underground mine workings."

Area 8 – Marine Foreshore Adjacent to Former Dock

- The geotechnical report that natural processes from ocean wave and ice action are on-going and are not resulting in active discharge of sediment into the ocean. The report concludes "Overall the foreshore area appears to be stable and should not require further attention."

The complete geotechnical inspection report is included in Appendix 7.

4.4. Garrow Lake Elevations

Annual surveys of the elevation of Garrow Lake are done. In August 2006, a coarse gravel berm was noted at the outlet of Garrow Lake due to ice action. This berm has been gradually increasing for the first few years after the lake level was lowered. This was occurring as the 2 m to 3 m thick ice sheet that forms on the lake each winter moves around reacting to the force of the winds. The moving ice sheet scrapes the shallow lake bottom near the edge of the lake and pushes materials up onto the shoreline. This material is forming a ridge or berm that is made of coarse materials. Water discharges from the lake through the berm which results in low flow rates early in the summer with increasing flow rates into August. The restriction to the water flow has extended the duration to time when sustained flows are observed from the lake. Initially after the lake was lowered (for decommissioning of the dam), the coarse berm appeared to increase in size more rapidly as seen from the elevation of the lake increasing between 2005 and 2008. Since 2008, the lake elevation appears to have stabilized.

The surveys of the lake elevation are taken during the summer when personnel are at the site for the annual inspection. While the elevation of water increased by 0.67 m from 2005 to 2008, the past two years, the measured elevation has remained relatively unchanged. The elevation change from 2008 to 2009 was only 0.12 m and in 2010 the elevation was 0.05 m lower that 2009. These changes are small and they could be influenced either by seasonal changes the amount of runoff going into the lake or due to the accuracy of the gps surveys.

TABLE 2
GARROW LAKE ELEVATIONS (Metres)

DATE	Survey Station 352 Elev. (m)	INSTRUMENT HEIGHT	ROD READING	LAKE ELEVATION (m)	Comments
27-Jun-05	1006.71	0.55	1.96	1005.30	
24-Aug-05	1006.71	0.55	2.00	1005.26	Low flow in creek as getting colder
29-Jun-06	1006.71	0.435	1.46	1005.69	
09-Jul-06	1006.71	0.438	1.53	1005.62	Water flowing through gravel berm
20-Aug-06	1006.71	0.305	1.52	1005.50	Water still flowing at a low rate
31-Jul-07	1006.71	0.655	1.738	1005.60	Water flowing through gravel berm
19-Jul-08	1006.95			1005.97	Used precise GPS to survey lake elevation

29-Aug-08					Unable to measure due to large waves
24-Jul-09	1006.95			1006.09	Used precise GPS to survey lake elevation
14-Jul-10				1006.04	Used precise GPS to survey lake elevation

Note: Pre-Dam lake elevation at end of discharge season was reported to be 1005.7m
Survey Station #352 location is -878.338, 3679.594 (local grid)
NAD83 UTM 14 561585E, 8367439N

5. OTHER SITE MONITORING

In addition to monitoring the chemical and physical stability of the site, monitoring of wind speeds at Resolute Bay, monitoring of internal landfill temperatures, and monitoring of metals concentrations of soils in the former Concentrate Storage Building were undertaken during the 3rd Quarter of 2010.

5.1. Resolute Bay Wind Monitoring

The Water Licence and the DRP requires that during open water periods on Garrow Lake when personnel are not stationed on site, that wind speeds are monitored at Resolute Bay. The purpose is to identify if there were any wind storm events with sufficient energy to potentially cause mixing of the surface layers of Garrow Lake. If this were to occur, then Teck is required to conduct a sampling of the water column of Garrow Lake as soon as practical to identify if there had been mixing of the mixolimnion with the halocline.

Monitoring data is collected from the weather station at Resolute. The data provided is the 2 minute mean wind speed taken at the top of each hour. While this data is not the "average wind speed for the hour", it is the only data available and is used as a surrogate for this average. For monitoring purposes, if there are several hours where the wind speed recorded is equal or above 50 km/hr, then this data is reviewed. The detailed wind speed data is provided in Appendix 8.

Garrow Lake was sampled on August 30th, 2010 and so Environment Canada weather records were examined for the month of September which would be the last month at Polaris where Garrow Lake would have some ice free days with no one present at site. September wind speeds exceeded 50 km/hr for only two hours during the entire month of September. This was one of the least windy periods monitored since the post-reclamation monitoring began in 2004. Based on this there were no wind events that would have provided sufficient energy to cause any significant disturbance of the water chemistry or density profiles.

5.2. Landfill Thermistor Monitoring

Four thermistor strings were installed in each of the LRDQ Landfill and the Operational Landfill. The thermistor strings each have a series of thermistors located through the cover cap and deep into the landfills to monitor the temperature conditions in the landfills. Originally, the thermistor data was recorded once annually when personnel were on site. To provide more useful and detailed information, in 2006 the installations were improved and data loggers were installed. Each July, the data from these loggers is collected providing daily temperature readings from all of the thermistor sensors.

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In July, 2010 the annual thermistor data was collected and is included in Appendix 9. The warmest temperatures measured by the thermistors does not occur until late August or early September each year so 2009 is the most current year where all of the summer data has been collected. The data has been plotted to display the variation in temperatures for each thermistor string, at each depth, on a daily basis since their installation. The information not only verifies that the landfills are remaining frozen but that freeze-back of permafrost continues to occur over time. This is more apparent in the LRDQ Landfill as it is the newer of the two landfills.

5.2.1. Operational Landfill Thermistors

The cover cap at the Operational landfill is performing as designed. The deepest thermistor bulb to warm up to near freezing was located at 0.92m below ground surface (bgs) and was in thermistor string #OL4. As the cover cap is a minimum 1.8m thick, the active layer remains well within the cap material.

Referring to the Operational Landfill graphs in Appendix 9 it is visually apparent that the thermistors have remained relatively constant in their range of temperatures changes over the last four years (with possibly a very slight cooling trend) which reflects that the freeze back process within the landfill has almost completely occurred. This is logical in that the majority of materials and fill in that landfill have been in place for many years (as the majority of debris was placed into the landfill during operations prior to mine closure in 2002).

Referring to the graphs in Appendix 9:

Thermistor #OL1

This thermistor string has functioning thermistor bulbs located at 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.25, 2.50, 3.0, 5.0, 7.0 and 11.0 metres deep. The graph shows that for this string, no thermistor bulbs reached zero degrees during 2009. The maximum temperature was -0.93^{0} C occurred in the shallowest thermistor bulb located 0.75m bgs (Bulb TH1-1) on August 20th 2009.

Thermistor #OL2

This thermistor string has 12 functioning thermistor bulbs located at the same depths as Thermistor OL1. The shallowest thermistor bulb where the maximum temperature remained below 0^{0} C in 2009 was as at 1.25 metres deep and occurred on September 7th. Its' warmest temperature was –0.57^{0} C.

Thermistor #OL3

Thermistor string OL3 has 12 functioning thermistor bulbs ranging between 0.75m bgs and 11.0m bgs. The shallowest thermistor bulb who's maximum temperature remained below 0^{0} C. (-0.85^{0} C) in 2009 was the bulb located at 1.00m bgs which occurred on September 2nd.

Thermistor #OL4

This thermistor string has 6 functioning thermistor bulbs located at 0.17, 0.42, 0.92, 2.92, 4.92 and 8.92m deep. In 2009, the 0.92m bgs. thermistor bulb was the shallowest where the maximum temperature remained below 0^{0} C (-0.18^{0} C.) on September 7th.

5.2.2. LRDQ Landfill Thermistors

The cover cap at the Little Red Dog Quarry landfill is performing as designed. Since the data loggers were installed, the deepest thermistor bulb to warm up to near freezing was located at 1.06m below ground surface (bgs) and was in thermistor string #LRD4. As the cover cap is a minimum 1.8m thick, the active layer remains well within the cap material.

Referring to the LRDQ Landfill graphs in Appendix 9, for the years 2006 to 2009, it is apparent that the thermistors located 3.0m or deeper demonstrate a continuing cooling trend. The materials in this landfill were placed into LRDQ Landfill during the decommissioning and reclamation process between 2002 and 2004. All of this material is slowly cooling as the permafrost from the surrounding original ground cools the landfill materials placed. Despite the cooling trend, temperatures for these deeper thermistors are still substantially warmer than the temperatures being observed in the Operation Landfill. It is expected that the process will take a number of additional years before the temperature range variations in the LRDQ Landfill stabilize.

The 2010 data (which is incomplete in that the annual readings were taken before the maximum summer ground temperatures were achieved) indicates that through the winter of 2009/2010, some of the thermistors shallower than 5m had slightly higher temperatures than the previous winter (2008/2009). Near surface thermistors (shallower than 1.2m) indicate that summer temperatures were trending higher than in 2009. However, deeper thermistors continued to trend to cooler temperatures.

Referring to the graphs in Appendix 9:

Thermistor #LRD1

Thermistor string LRD1 has 10 functioning thermistor bulbs located at 0.75, 1.00, 1.50, 1.75, 2.25, 2.50, 3.0, 5.0, 7.0 and 11.0m deep. In 2009, the thermistor bulb at 1.00m bgs. was the shallowest one to remain frozen all year (warmed up to a minimum of -0.46^0 C between August 19th and 20th of 2009). The graph has a clear trend of reducing temperatures at all depths for deeper thermistors demonstrating that permafrost freeze-back continues to occur.

Thermistor #LRD2

Thermistor string LRD2 has 12 functioning thermistor bulbs located at 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.25, 2.50, 3.0, 5.0, 7.0 and 11.0m deep. The shallowest thermistor bulb to remain below freezing for all of 2009 was located at 1.00m bgs. Its maximum temperature of -0.57^0 C occurred on September 4th, 2009. Again, observing the graph for thermistor LRD2, it is clear that temperatures are trending down through the summer of 2009 for all thermistors.

Thermistor #LRD3

Thermistor string LRD3 has 11 functioning thermistor bulbs located at 0.2, 0.45, 0.70, 0.95, 1.20, 1.45, 1.70, 2.20, 4.20, 6.40 and 10.2m deep. The shallowest thermistor bulb to remain below freezing throughout 2009 was the one located at 0.95m bgs. Its maximum temperature (-0.32^0 C) occurred on August 22nd 2008. Again observing the temperature trends for all depths, it is clear that temperatures are generally gradually

decreasing through the summer of 2009. Through the winter of 2009/2010, thermistors down to the 4.2m bulb had slightly higher temperatures.

Thermistor #LRD4

Thermistor LRD4 has 10 functioning thermistor bulbs located at 0.06, 0.31, 0.56, 0.81, 1.06, 1.31, 1.81, 3.81, 5.81 and 9.81m deep. The thermistor at 0.31m deep has a fault and periodically displays erroneous data. However, the data for the 0.31m depth is graphed as it does assist with observing temperature trends despite the noise. The shallowest thermistor bulb to remain below 0^0 C all year in 2009 was located at 1.06m bgs. Its maximum temperature was -0.64^0 C which occurred on September 5th 2009. While the graph is not as clean as the other three, the cooling trend is still apparent through the summer of 2009. For the winter of 2009/2010, thermistors 3.81m and deeper continued to cool while shallower temperatures were slightly higher than the previous year.

5.3. Former Concentrate Storage Building Soil Contamination

During site reclamation, metals contaminated soils within the footprint of the former Concentrate Storage Building were excavated. Considerable effort was expended to recover the maximum quantities of this contamination, but upon completion of remedial efforts, a thin veneer of concentrate dusts remained trapped in the underlying fractured bedrock in a portion of the building footprint. Remediation was completed and a minimum 0.5 metre thick cover of local materials was placed over this area as a cover. Questions regarding the potential for this material to migrate to the surface of the cover materials were posed by regulators. As a result, Teck agreed to sample surface metals concentrations in the area during the annual site inspection.

Several soil samples are being taken annually to demonstrate that the metals concentrations in the soil cover are below remedial objectives and that there are no trends of increasing metals concentrations over time. The samples below were taken on July 14th, 2010 (Laboratory data is in Appendix 5). All soil metals concentrations analyzed continue to be substantially below the approved site remedial targets.

TABLE 3

POLARIS MINE FORMER CONCENTRATE STORAGE SHED SOIL SAMPLES	**Sample ID**	CSHED- N	CSHED- C	CSHED- S
	Coordinates	558043 E	558090 E	558131 E
		8367787 N	8367725 N	8367664 N
	Date Sampled	19/07/2008	19/07/2008	19/07/2008
Parameter	**Units**			
pH	pH	8.38	8.46	8.53
Lead	mg/kg	199	86	66
Zinc	mg/kg	334	231	261

6. RECLAMATION ACTIVITIES

In preparation for the end of the post-reclamation monitoring program (as per the approved Detailed Decommissioning and Reclamation Plan for the site), Teck contracted the dismantling of the temporary site camp and facilities, and the moving of those facilities to a staging area so they would be ready for removal from the site (in late August or early September of 2011). An AECOM environmental technician remained on site at all times during this work to ensure that work conducted would comply with requirements contained in the DDRP as well as the Water Licence. Appendix 10 has a series of photographs documenting some of the work completed.

Work conducted to ensure the site is left in compliance with the original reclamation plans included:

1. Dismantling and clean-up of the temporary fuel storage area
   As part of this work, the fuel storage facilities were dismantled, excess fuel burnt, and the empty fuel tanks cut open and cleaned. Hydrocarbon contaminated soils and the liner from the fuel tank containment area were recovered, packaged, and will be shipped off site to a southern disposal facility as part of the 2011 sealift.
2. All hazardous materials / chemicals on site have been packaged and will be properly manifested before being removed from site. The types of materials include hydrocarbon contaminated materials, solvents, cleaners, waste oils, etc. that would normally be associated with a temporary camp and mobile equipment.
3. Additional Site Clean-up
   During annual site inspection visits to the site since 2004, at least one of the group (and often two people) have been tasked with searching for and collecting debris that was previously missed. In addition to this being done during the 2010 July inspection trip, additional attention to this task was done by the contractors during August 2010. This work was in addition to the clean-up work conducted around the camp site during and after it's relocation to the staging area.
4. Burial of non-hazardous wastes.
   As seen during previous inspections, LRD Quarry landfill had a pile of debris collected each summer. During the removal and clean-up of the camp area, additional debris was taken to LRD Quarry landfill. The majority of flammable materials were burned and the remaining debris was buried in the landfill. The burial of residual debris was accomplished by digging a shallow hole with the 235 Cat excavator, into the cover cap of the landfill (not exceeding 1m in depth) in one area up against the pit east wall. Debris was consolidated into this area and then capped with clean fill sourced from just outside the entrance to the pit. Initially fine cover materials were used to ensure that voids spaces within the debris pile were minimized to prevent long term settlement. The AECOM technician diligently monitored this activity and ensured that the debris was adequately capped (the approved cover design is 1.8m thick). To verify that an adequate cover was placed over and around the debris, grade stakes were placed on top of the initial fine cover material to visually monitor the thickness of the cover material being placed. To be conservative, a minimum of 2.5m thick final cover was placed. Appendix 10 has photographs of the burial process including photographs of the grade stakes used to monitor and document the cap thickness.
5. Final grading of camp area
   Once the camp had been removed and cleaned-up, the area was graded to be consistent with surrounding terrain to minimize the visual disturbance to the area. As noted in the DDRP, in this environment, it is only possible to minimize, not eliminate visual signs of surface disturbances.

It is planned that during the final site inspection in July 2011, the contractor will have an equipment operator present, in case any minor site issues are identified. Teck will ensure that INAC has adequate notice of the dates of the planned inspection visit so that INAC has the opportunity to be on site at the same time to conduct a final inspection. As previously stated, it is planned to bring a ship into the site in late August or early September 2011 to remove all remaining equipment and materials from the site.

7. ESTIMATED REMAINING FINANCIAL LIABILITIES

Included in Appendix 11 is the 3rd Quarter update of the Polaris Mine Decommissioning, Reclamation and Monitoring – Actual Expenditures and Estimated Remaining Liability table. The Water Licence and the DDRP approvals require that the original budget estimate form the basis for this cost report. The primary purpose of the report is to present Teck's forecast of estimated costs through to completion of the reclamation and monitoring program. While the cost estimate is to the end of the 3rd Quarter of 2010, no site work occurs during the 4th Quarter (due to the onset of winter conditions at the site), so the 3rd Quarter estimates are essentially the year end costs for the site.

Based on this forecast, Teck's anticipated costs to complete all work/monitoring at the Polaris Mine site is $463,000 in 2011. By the end of 2011, the final summer of monitoring will have been completed; all of Teck's activities at the site will have been completed including the cleanup and removal of all materials from site.

APPENDIX 1

Executive Summary of 2010 3rd Quarter Report

Translated into Inuktitut

1. ᓯᕗᓕᕐᑎᓄᖓᔪᖅ ᓇᐃᒃᓕᒋᐊᕐᓯᒪᔪᖅ ᐅᓂᒃᑳᖅ ᐃᓄᒃᑎᑐᑦ

ᑕᕝᕙᓂ ᓇᐃᓕᒋᐊᓯᒪᔪᕐᒥ ᐅᓂᒃᑳᕐᒥ ᑐᓴᕈᑏᑦ ᖃᓄᐃᓕᐅᓂᕆᓚᐅᑕᕗᑦ 2010ᖑᑎᓗᖑ ᔪᓚᐃᒥ ᓯᑎᐱᕆᒥᓗ ᐅᐊᓯᓂᒧᑦ ᐅᓂᒃᑳᖅ ᒪᑭᓕᕿᐅᑉ ᐅᔭᕿᒃᓯᐅᕝᕕᐱᓂᖓᓂ.

2. ᑭᓱᒨᒪᖕᖓᑦ

ᐱᖓᔪᖓᓂ ᐱᖓᓱᐃᓕᖅᖓᔪᓂ 2010ᒥ, ᐊᕐᖁᑕᒫᑦ ᐅᐊᓯᓂᕆᖅᑕᑕᑎᓂ ᑲᔪᓯᓗᐊᑕᓚᐅᑐᖅ ᑕᐃᒪᐃᑕᕆᐊᖅᑲᓂᖓᓄᓗ ᒪᑭᓕᕿᒥ ᑲᔪᓯᓚᐅᕐᑐᑦ, ᐊᐳᑎᖅᑲᖏᑐᐃᓇᐸᓗᓕᖅᑕᕐᒪᑦ ᔪᓚᐃᒥ ᐊᒍᓯᒥᓗ. ᐃᖅᑲᐃᔭᕐᑏᑦ ᑕᓕᒪᓂᑦ ᐱᖓᓱᐊᑐᓄᑦ ᐃᓄᖅᖃᑕᓚᐅᑐᖅ ᒪᑐᐃᓯᑲᓂᓚᐅᑐᑦ ᑕᖕᒫᕝᕕᒥᓂᑦ ᔪᓚᐃ 12ᑎᓗᒍ ᑕᐃᑲᓂᖏᓇᕐᓗᑎᒃ ᔪᓚᐃ 16ᖑᖅᓱᓂᖓᓂ ᐊᕐᖁᑕᒫᑦ ᖃᐅᔨᓴᕆᐊᓕᒥᓂ ᑲᔪᓯᑎᓯᓗᑎᒃ ᐊᓯᖏᓂᒃᓗ. ᐃᖅᑲᐃᔭᖏᑦ ᐅᑯᐊᖑᓚᐅᑐᑦ:

ᐃ. ᐅᔭᕋᓕᕆᔩᒪᕆᒃ ᒎᑦ ᑲᑐᔾᖃᑎᒥᓂᖕᖓᕐᑐᖅ ᑕᐃᑲᓂᓚᐅᑐᖅ ᐅᓪᓘᓂᒃ ᒪᕈᓂᒃ ᐊᕐᖁᑕᒫᑦ ᐅᔭᕋᖕᒥᑦ ᖃᓄᐃᑐᒪᖕᖓᑦ ᖃᐅᔨᓴᑕᐅᖅᑕᓂᖓᓂ ᑲᔪᓯᑎᓯᓚᐅᑐᖅ.
ᐱ. ᐊᐅᓚᐅᓯᕆᔨ/ᐅᖁᒪᐃᑐᓂᐅᑎᓂᒃ ᐊᖁᑎ ᐊᐅᓚᐅᓯᕆᓗᓂ ᒪᑭᓕᕿᒥᑐᓂᒃ ᐅᖁᒪᐃᑐᓂᐅᑎᓂᒃ.
ᑎ. ᕿᖑᒥᒐᕐᑎᑦ ᔫᒃᔅ ᐊᐅᓚᐅᓯᕆᔨᖕᖏᓂᑦ ᐊᕐᖁᑕᒫᑦ ᑎᓲᕐᐸᓕᐊᔭᓂ ᓄᓇᖓᓂ ᕿᖑᒥᒐᕐᓗᓂ, ᓯᒃᔭᕐᐸᓯᐊᓂᒃ ᕿᖑᒥᒐᓚᐅᑐᖅ ᒪᓕᕐᓄᑦ ᓱᖅᑎᑕᐅᓂᒪᖕᖓᑦ ᒋᐊᕿ ᑕᓯᖓᓂ.
ᑭ. ᐃᓄᒥᒃ ᐃᑲᔪᕐᑎᖅᑲᓚᐅᑐᒧᑦ ᕿᓱᐸᐃᒥᖕᖓᕐᑐᒥᒃ ᑲᔪᓯᓗᓂ ᓴᓗᒪᕐᓴᐃᓗᓂ ᓴᓂᕐᓂᒃ, ᐊᑦᓇᑐᒥᖕᖏᑲᓗᐊᒪᖕᖓᑕ ᐃᖅᑲᐃᔭᕐᑏᑦ ᓇᓄᕐᓂᒃ ᖃᐅᔨᓴᕐᑎᐅᓗᓂ ᓴᓇᐃᓇᕐᑯᓗᕆᑦ ᑕᐃᑲᓂᑐᑦ, ᐊᒪᓗ ᐅᐊᓯᔨᐅᓗᓂ ᐅᓂᒃᑳᓕᐅᑎᐅᓗᓂᓗ ᖃᐅᔨᓕᐅᓂᖏᓂᒃ ᓄᓇᓕᖕᒥᓄ ᐅᓂᒃᑳᖏᓂᒃ.
ᒋ. ᑎᒃᑯᓂᖕᖓᕐᑐᖅ ᑕᐃᑲᓂ ᖃᐅᔨᓴᕐᑎ ᐊᒪᓗ ᓂᓕᓇᑐᓯᐅᒧᑦ ᑎᑎᕋᓕᐊᔭᖏᓂᒃ ᓄᐊᑎᓗᓂ.

ᐸᕐᓇᒃᓯᒪᓚᐅᑐᑦ ᐃᓄᓕᕆᔩᑐᖅᑯᓂᖕᖓᕐᑐᖅ ᖃᐅᔨᓴᕐᑎ ᐊᒪᓗ ᐅᔭᕋᓂᒃ ᖃᐅᔨᓴᕐᑎᐅᔪᑦ ᑲᔪᓯᑎᓯᓂᐊᕐᓗᑎᒃ ᓇᓗᓇᐃᓯᒪᑎᐊᕐᑐᓂᒃ ᖃᐅᔨᓴᓂᕐᒥᒃ ᑕᐃᑲᓂᑐᖅᑲᓂᖓᓂ ᐃᖅᑲᐃᔭᕐᑎᑎᓂᒃ ᔪᓚᐃᒥ. ᑭᓯᐊᓂᓕ, ᑕᕐᓯᒍᑖᓚᐅᒪᑦ ᑕᐃᑯᖓᕈᓇᓚᐅᕆᒪᓃᒃ ᑲᔪᓯᔭᓇᓚᐅᕆᑐᖅ (ᓵᑕᕐᓯᓂᐊᓚᐅᕋᓗᐊᑐᒧᑦ ᕿᓱᐸᐃᒥᖕᖓᕐᑐᒥᒃ ᑕᒪᓇ ᑲᔪᓯᔭᓇᓚᐅᕆᑐᖅ).

ᐊᑯᓂᖓ ᔪᓚᐃ 16 ᐊᒪᓗ ᐊᒍᓯ 15, ᐃᒪᖓᑕ ᐱᐅᓂᖓ ᖃᐅᔨᓴᕐᓂᖅ ᑲᔪᓯᓚᐅᑐᖅ ᑲᑐᔾᔨᒪᔨᑎᓄᑦ ᐃᖅᑲᐃᔭᕐᑎᒥᒃ ᑕᓇ ᑎᑭᓚᐅᑐᖅ ᕿᓱᐸᐃᒥᑦ. ᐊᒍᓯ 15ᖑᑎᓗᒍ ᐊᐅᓚᓯᕆᒪᓂᒃ ᐊᐃᑳᓪᖁᓂᖕᖓᕐᑐᖅ ᒪᖁᓕᕿᒧᑦ ᐅᑎᓚᐅᑐᖅ ᑕᓕᒪᓂ ᑲᑐᔾᑎᓂᒃ ᓇᒃᓴᕐᓗᓂ ᐅᐊᓯᔭᕐᑐᕐᑐᐃᑦ ᑭᖑᓕᕐᐸᖕᖓᓂ ᓴᓗᒪᕐᓴᐃᓂᕐᒥᒃ ᐊᒪᓗ ᖃᐅᔨᑐᓂᖕᖓᓄᑦ ᐅᑎᑎᑕᐅᓂᖕᖓᓄᑦ ᐱᓕᕆᓂᕐᒥᒃ ᑕᒪᓗᑎᒃ. ᑕᐃᑲᓂᓚᐅᑐᑦ ᓯᑎᐱᕆ 2ᖑᕐᓱᓂᖓᓂ ᑕᐃᑯᐊ ᐸᕐᓇᑕᐅᓯᒪᔪᑦ ᐱᓕᕆᐊᖑᔪᒪᔪᑦ (ᐃᓚᐅᓗᑎᒃ ᐊᕿᑦᑕᐅᓯᒪᔪᑦ ᖃᕐᐸᓯᐊᓂᑐᖅ ᐃᒪᐅᑉ ᐱᐅᓂᖓᓂᒃ ᐅᐊᓯᓂᖅ) ᐱᔭᕇᕐᓗᐊᒪᖕᖓᑕ.

3. ᐃᒪᐅᑉ ᐱᐅᓂᖓᓂᒃ ᐅᐊᓯᓂᖅ

ᐃᒪᐅᑉ ᐱᐅᓂᖓᑕ ᐅᐊᓯᔭᐅᓂᖓ ᑲᔪᓯᓚᐅᑐᖅ ᑕᕝᕙᓂ ᐃᒪᐅᑉ ᑕᕆᐅᖑᓕᕆᖑᓂᖓᓂᒃ ᒋᐊᕿ ᑕᓯᑲᓂᒃ ᐊᒪᓗ ᒋᐊᕿ ᑰᖓᓂᑦ.

3.1. ᒋᐊᕿ ᑕᓯᖓᑕ ᑰᖓ

ᐃᒪᕐᒧᑦ ᐱᔪᓇᐅᑎᕗᑦ ᐊᒪᓗ ᒪᑐᓂᖓᓄᑦ ᐸᕐᓇᐅᑎᒃ ᐱᔭᕆᐊᖅᑎᓯᕗᖅ ᖃᐅᔨᓴᕐᑕᐅᖅᑕᕐᑯᓗᒋᑦ ᒋᐊᕿ ᑰᖓᓂᑦ ᑰᓕᕋᖓᑦ. ᖃᐅᔨᓴᕐᑕᐅᔪᑎᓴᓂ ᐃᒪᕐᒥᒃ ᐱᓂᖅ ᐸᕐᓇᓯᒪᓚᐅᑐᖅ ᔪᓚᐃ 5ᖑᓕᕐᐸᑦ ᓯᑎᐱᕆ 2ᖑᕐᓱᓂᖓᓂ. ᑕᐃᓱᒪᓂᐅᑎᓗᒍ, ᐱᖓᓱᓂᑦ 9ᖑᔭᕆᐊᖅᑲᕐᓗᐊᓗᑎᒃ ᐱᓚᐅᑐᑦ ᓯᓚᕐᓗᓂ ᐱᔪᑎᒥᓗᒍ ᒪᑭᓕᕿᓕᐊᕿᓇᖏᓂᑎᓄᑦ. ᐃᓚᒋᐊᕿᑦ 2 ᐅᓂᒃᑳᓯᒪᔪᖅ ᐃᒪᐅᑉ ᖃᓄᐃᑐᓂᖓᓄᑦ ᐅᐊᓯᓂᒧᑦ ᐱᓚᐅᕐᑕᑕ ᑎᑎᕋᓯᒪᔪᕐᑯᑎᖏᑦ. ᑳᔾᔪᒧᑦ ᖃᐅᔨᓴᕐᑎᑯᑦ ᑲᑐᔾᖃᑎᒋᖏᑦ ᐱᓚᐅᑐᑦ ᑕᐃᑯᓂᖓ ᑎᑎᕋᓯᒪᔪᕐᑯᑎᖏᓂᒃ ᐊᒪᓗ ᐅᓂᒃᑳᓕᐅᓚᐅᕐᑐᑦ ᖃᓄᐃᑐᓂᖓᓂᒃ ᑕᕝᕙᓂ ᐅᓂᒃᑳᓕᐊᓂ ᐃᓚᐅᔪᑦ ᐃᓚᒋᐊᕿᑦ 2ᒥᑐᑦ.

ᑕᒪᕐᒥᓕᒫᖅ ᐃᒪᐅᑉ ᐱᐅᓂᖓᑕ ᐱᐅᖏᓂᖓᑕᓗᓃᑦ ᖃᐅᔨᔭᐅᔪᑎᕕᓂᖏᑦ ᒪᓕᓯᒪᓂᖏᑦ ᓇᓗᓇᐃᑕᐅᓯᒪᔪᑦ ᐃᒪᒧᑦ ᐱᔪᓇᐅᑎᒧᑦ ᓇᒪᕆᔭᐅᔪᕐᒥᓚᐅᑐᑦ. ᓴᕕᕋᔭᒃᓴᖅ ᐊᕿᓂᓴᖅ ᓴᕕᕋᔭᒃᓴᓗᐊᑕᐅᕗᖅ ᖃᐅᔨᓴᕐᑕᐅᖅᑕᕐᑐᖅ ᐱᔪᑎᒥᓗᒍ ᓇᓗᓇᐃᓯᒪᔪᔭᕐᒪᑦ ᐃᓯᒫᓗᓇᑐᖅᑲᒪᖕᖓᑦ. ᐃᒪᕐᒧᑦ ᐱᔪᓇᐅᑎᕗᑦ ᐱᕕᖅᑎᓯᕗᖅ 0.50ᒥᒃ ᐅᒃᑯᒧᑦ ᐃᖑᓯᐊᕐᔭᐊᕐᒥᒃ ᐊᑐᕈᑕ ᐃᒪᕐᒥᒃ ᐊᕿᑐᕐᒥ ᓴᕕᕋᔭᒃᓴᖅᕈᓇᑎᓯᓗᓂ. ᐊᖏᓛᖅ ᐅᒃᑯᑎᒧᑦ ᐅᒃᑯᑕᐅᓚᐅᑐᖅ 2010ᖑᑎᓗᖑ 0.10ᖑᓚᐅᑐᖅ ᐃᖑᓯᕐᔭᐊᕐᒥ. ᐊᒪᓗ ᒪᕿᔪᓂᖓ ᐃᒪᕐᒥ

ᖃᐅᔨᓴᕈᑎᒧᑦ ᖃᐅᔨᓴᕐᑕᐅᓂᖓ ᓱᕈᓇᑑᑉ ᐱᔪᓇᕐᕕᖃᑎᑕᐅᒪᑦ 30ᒥᒃ ᐃᖑᓯᕐᔪᐊᖅ ᐅᒃᑐᑎᒋᓗᒍ. ᖁᑎᓂᕐᐹᖅ ᐅᒃᑐᑎᒧᑦ ᐅᒃᑐᕐᑕᐅᔪᖅ 2010ᖑᑎᓗᒍ 2.0ᖑᓚᐅᑐᖅ ᐃᖑᓯᕐᔪᐊᒧᑦ. ᐱᖓᓱᐃᑦ ᖃᐅᔨᓴᕐᑕᐅᔭᓇᐊᓕᐅᒐᓗᐊᑦ ᖃᐅᔨᓴᕐᑕᓚᐅᖏᑐᑦ ᑰᖏᓂᖓ ᐱᔪᑎᒋᓗᒍ.

ᐃᒪᕐᒧᑦ ᖃᐅᔨᓴᕐᑕᐅᔫᒃᓴᐃᑦ ᐱᔭᐅᓚᐅᑐᑦ ᐱᔭᐅᓚᐅᒥᔪᑦ ᒋᐊᕈ ᑰᖓᓂᑦ ᒋᐊᕈ ᑲᖏᓱᖓᓄᖃᑕᕐᑐᕐᒧᑦ ᑕᒪᐃᓂ ᔪᓚᐃ 16ᖑᑎᓗᒍ ᐊᒪᓗ ᐊᒍᓯ 23ᖑᑎᓗᒍ, ᑕᑯᐊ ᑕᕿᑕᓖᑦ ᖃᐅᔨᓴᕐᑕᐅᔪᓴᐅᑕᐅᑎᓗᒋᑦ ᐱᓚᐅᕐᑕᕗᑦ. ᑕᐃᑯᐊ ᖃᐅᔨᓴᕐᑕᐅᔪᑎᕙᓃᑦ ᐃᓚᐅᔪᑦ ᐃᓚᒋᐊᕈᑦ 2ᒥ.

ᐊᐅᔭᖓᓂ ᑕᐃᓱᒪᓂ, ᐊᑕᕐᓇᑐᐊᓗᖏᑐᕐᒥᑦ ᓱᕈᓂᒧᑦ ᖃᐅᔨᓴᓂᒧᑦ ᐅᐊᓯᓂᒃ ᑲᔪᓯᓚᐅᑐᖅ ᒪᕈᐊᕐᑎᓗᓂ (ᔪᓚᐃ 16ᒥ ᐊᒪᓗ ᐊᒍᓯ 23ᖑᑎᓗᖑ). ᐅᖓᑕᓄᓚᐅᖏᑐᑦ ᐱᔪᓇᐅᑎᒥᑐᕐᒥᑦ (ᑕᑯᓗᖑ ᐃᓚᒋᐊᕈᑦ 2ᒥ).

3.2. ᒋᐊᕈ ᑕᓯᖓᑕ ᑕᓇᐅᖑᓕᓇᓂᖓ

ᐃᒪᕐᒧᑦ ᐱᔪᓇᐅᑎᒃ ᐱᔭᓇᐊᖃᑎᓯᒪᑦ ᖃᐅᔨᓴᕐᑕᐅᔪᓴᓂ ᐱᔭᓇᐊᖃᑐᒍᑦ ᒋᐊᕈ ᑕᓯᖓᑕ ᑕᓇᐅᖑᓕᓇᓂᖓᓂᑦ ᑕᒪᓇᓗ ᑲᔪᓯᑎᑕᐅᖃᑦᑐᖅ ᒪᕈᓂᒃ ᐅᐊᓯᕖᖓᓂᑦ ᓯᑯᖃᖏᓂᖓᓂ. ᖃᐅᔨᓴᕐᑕᐅᔪᓴᓂ ᐱᓚᐅᕐᑐᒍᑦ ᐊᒍᓯ 30, 2010ᖑᑎᓗᒍ.

ᓇᐃᓈᓗᖑ, ᖃᐅᔨᓴᕐᑕᐅᕙᓗᐊᑕᓂᑦ ᖃᐅᔨᓴᕐᓂᖅ ᓂᓇᐅᒋᔭᐅᔪᑦ ᐱᔭᐅᓚᐅᑐᑦ:
- ᓴᓇᔭᐅᒪᓂᖓ ᒋᐊᕈ ᑕᓯᖓᑕ ᓱᓕ ᐊᑕᕐᓇᑐᒥᖏᑐᖅ ᐱᔪᑎᒋᓗᖑ ᐊᕿᒋᖏᓂᖓ ᑕᓇᐅᖑᓕᓇᓂᖓᑕ (ᓲᕐᓗ ᑕᓇᐅᖑᓕᕐᓂᓴᐅᓗᓂ ᐃᑎᓂᓴᐅᓂᖓ) ᐃᒪᖓ ᑕᐃᒪᐃᑐᖓᒪᑦ.
- ᐃᒪᕐᓗᖓ ᓱᓕ ᑕᐃᒪᐃᑐᖏᓈᕐᑐᖅ ᐃᒪᐅᑉ ᑕᓇᐅᖑᓕᓇᓂᖓ ᓱᓂᓯᒪᖏᑐᖅ ᑕᐃᒪᖓᓂ ᐅᒪ ᓯᕗᓂᐊᓂ ᖃᐅᔨᓴᕐᑕᓚᐅᒪᑦ.
- ᑕᒪᕐᒥᒃ ᐃᒪᕐᓗᖓ ᐊᒪᓗ ᐃᑎᓕᕐᐸᓕᐊᓂᖓᑕ ᑎᑎᖃᓯᒪᔪᕐᑯᑎᖏᑦ ᑕᒪᐃᓂ ᒪᕈᐃᓂ ᖃᐅᔨᓴᕐᕕᐅᔪᓂᑦ (ᖃᐅᔨᓴᕐᕕᒃ 262-3ᒥᑦ ᐊᒪᓗ 262-3ᐃᒥᑦ) ᓱᓕ ᐊᕐᓗᐊᓇᔭᖏᑦ ᐊᒪᓗ ᓱᓕ ᑕᓇᐅᖑᓕᓇᓂᖓ ᓱᓕ ᑕᐃᒪᐃᓕᖓᓗᓂ ᑕᓯᕐᒥ.

ᐃᓚᒋᐊᕈᑦ 3 ᐃᓘᓕᓕᒃ ᒪᕈᓕᕿᒥ ᑎᑎᕋᓯᒪᔪᑦ ᖃᐅᔨᓴᕐᑕᐅᔪᑎᕙᓂᖏᑦ ᓄᐊᑕᐅᓯᒪᔪᑦ. ᐃᓚᒋᐊᕈᑦ 4 ᐃᓗᓕᓕᒃ ᖃᐅᔨᓴᕐᑕᐅᔪᑎᕙᓃᑦ ᐃᒪᕐᓗᖏᑕ ᖃᓄᐃᑐᓂᖏᓂᒃ ᑎᑎᕋᐸᓕᐊᔪᑯᑦ ᖃᐅᔨᓴᕈᑎᕙᓂᕐᓂᑦ.

3.3. ᐊᓯᖏᑦ ᐃᒪᐅᑉ ᖃᖓᓂᑦ ᖃᐅᔨᓴᕈᑎᕙᓃᑦ

ᖃᐅᔨᓴᕈᑎᕙᓃᑦ ᖄᐸᓯᐊᓂᑦ ᐃᒪᐅᑉ ᒪᕈᐃᖑᔪᓂ ᑲᔪᓯᑎᑕᐅᖃᑦᑐᖅ ᐊᕋᒍᑕᓖᑦ. ᑕᑯᐊ ᓄᐊᑕᐅᓚᐅᑐᑦ ᖃᐅᔨᓴᕐᑕᐅᔪᑎᒃᓴᐃᑦ ᐱᖓᔪᖓᓂ ᐱᖓᓱᐃᓕᖃᖓᔪᓂ ᐊᐅᔭᑯᑦ ᐊᔪᓇᕈᓂᕐᒪᑦ ᖃᐅᔨᓴᕐᑕᐅᔪᑎᓴᓂᒃ ᐱᔭᓇᐊᒃᓴᖅ (ᑕᑯᓗᒍ ᐃᓚᒋᐊᕈᑦ 5ᒥ ᖃᐅᔨᓴᕐᑎᒪᓇᓄᑦ ᐅᓂᑳᖏᓂ).

3.3.1. ᐊᐅᐸᕐᑐᖅ ᕿᒥᑯᓗᒥ ᓴᐅᔭᐅᓯᒪᔪᑦ

ᔪᓚᐃ 16, 2010ᖑᑎᓗᒍ ᐃᒪᖅ ᓱᑲᐃᑐᕐᒥᒃ ᑰᒃᐊᓕᐊᓚᐅᑐᖅ ᖄᕐᐸᓯᐊᓂ ᐃᓗᑐᕐᓯᒪᓂᖓᓂ ᐊᐅᐸᕐᑐᖅ ᕿᒥᑯᓗᒥ ᓴᐅᔭᐅᓯᒪᔪᕐᒥ ᖃᐅᔨᓴᕐᑕᓚᐅᑐᖅ. ᑕᒪᓇ ᓇᓗᓇᐃᓯᔪᖅ ᐊᕋᒍᔪᓂ ᐊᓂᒍᕐᑐᓂ ᓱᓕ ᐊᕿᒋᔭᖓ. ᓴᕕᕋᔭᒃᓴᖃᓂᖓ ᐊᑎᒃᑐᓚᐅᑐᖅ ᐃᓱᓖᓗᓇᖏᑐᖅ ᓴᕕᕋᔭᒃᓴᐃᑦ ᐳᒃᑕᓚᓕᒪᖕᖓᑕ ᑕᒪᓂ ᖄᕐᐸᓯᐊᓂ ᐃᒪᐅᑉ ᑕᒪᑐᒪᓂ ᓄᓇᖓᓂ. ᖃᐅᔨᓴᕐᑕᐅᔪᑦ ᐃᒪᐃᑐᓚᐅᑐᑦ:
- ᓴᕕᕋᔭᒃ ᐃᒪᐃᑐᓚᐅᑐᖅ 0.00027 ᐃᓱᓯᐊᓗᒧᑦ (ᑲᑎᓗᒍ),
- ᐊᕿᓂᖅᓴᖅ ᓴᕕᖃᔭᒃᓴᖅ 0.021ᓕ ᐃᖑᓯᐊᓗᒧᑦ (ᑲᑎᓗᒋᑦ)

3.3.2. ᓱᑲᑲᖓᔪᖅ ᑕᓯᖅ

ᐊᕋᒍᑕᓖᑦ ᓯᑯᖃᖏᓂᖓᓂ ᐊᐅᔭᐅᑎᓗᒍ, ᐃᒪᕐᒥ ᐱᖃᑕᕐᑐᒍᑦ ᖃᐅᔨᓴᕐᑕᐅᔫᒃᓴᕐᒥᒃ ᑕᓯᕐᒥᑦ ᑐᓕᒃᑕᕐᕕᒧᕈᔭᐅᓗᓂ. ᑕᓇ ᐃᒪᖅ ᖃᐅᔨᓴᕈᑕᐅᖃᑕᕐᑐᖅ ᒪᕋᕉᔪᖅ ᐃᒪᕐᒥ ᓇᓗᓇᐃᓯᓂᐊᕐᒪᑦ ᑐᓕᒃᑕᕐᕕᒃ ᑐᐊᐸᐅᕈᔪᖓᓂᖓ ᑎᓲᕐᐊᓕᐊᖏᑲᓗᐊᒪᖕᖓᑦ ᓱᑲᓗᐊᕐᑐᕐᒥᒃ. ᖃᐅᔨᓴᕐᓂᖅ ᑐᓕᒃᑕᕐᕕᒥ ᐃᓗᓕᖅᑲᑲᓂᓚᐅᒥᔪᖅ ᐊᕋᒍᑕᓖᑦ ᔪᓇᖓ ᖃᐅᔨᓴᑕᐅᖃᑕᕐᒥᒪᑦ ᐃᓚᒋᐊᕈ 7ᒥᑐᖅ ᐅᓂᑳᓕᐅᓯᒪᔪᖅ ᑕᒪᑐᒥᖓ. ᑐᓕᒃᑕᕐᕕᒃ ᓱᓕ ᐊᑕᕐᓇᕈᔪᖏᑐᖅ ᐊᒪᓗ ᑕᐃᒪᖓᓂ 2008ᒥᓂ ᓱᓂᓯᒪᓗᐊᖏᑐᖅ ᑎᓱᐅᓂᖏᑦ ᔪᓇᖓᑕ. ᑕᓱᐅᑉ ᐃᒪᖓ ᑲᑭᐊᒃᑐᖅ, ᖃᐅᔨᓴᕐᓂᒧᑦ ᐅᓂᑳᖅ ᖃᐅᔨᓴᑕᐅᔪᓴᕐᒥ ᐃᒪᒧᑦ ᔪᓚᐃ 16, 2010ᖑᒪᔪᖅ ᓱᕈᓇᑐᖓ ᐊᖏᓂᓴᐅᕋᔪᓚᐅᑐᖅ 3.0ᒥᒃ ᐃᖑᓯᐊᓗᒧᑦ.

4. ᑕᑯᓵᐅᓂᖓᑕ ᐊᑦᑭᓐᖏᓂᖓ ᒪᕆᓕᕿᐅᑉ

ᑕᑯᓵᐅᓂᖓᑕ ᐊᑦᑭᓐᖏᓂᖓ ᒪᕆᓕᕿᐅᑉ ᐅᐊᓯᔾᐅᖃᑦᑐᖅ ᓄᓇᖓ ᖃᐅᔨᓴᖅᑕᐅᓕᕐᖓ ᒪᕆᓕᕿᒥ ᐊᒻᒪ ᓯᕗᓪᓕᖏᑦ ᕿᓪᓗᒥᒐᖅᑕᐅᓕᕐᖓᑕ.

4.1. ᕿᓪᓗᒥᒐᖅᑕᐅᓂᖓ ᑎᓵᖅᐸᓕᐊᔪᑦ

ᐊᕐᒍᑕᒫᑦ, ᑎᑭᑦ ᑲᑐᕐᑎᓯᖃᑦᑐᑦ ᓯᕗᓪᓕᓪᓗᓂ ᕿᓪᓗᒥᖅᑎᓯᒍᑎᒃ ᑕᐅᕝᕙᓯᒪ ᓄᓇᓪᓗᓂᒃ ᐅᐊᓯᔪᓇᓂᐊᒪᑕ ᖃᓄᐃᓂᓵᐅᓕᒫᓪᓚᑦ ᐊᕐᒍᓚᐅᑐᓂᑦ ᐊᓂᒍᖅᑐᓂᑦ. ᑎᑎᕋᓯᒪᔪᑦ ᓄᐊᑕᐅᓚᐅᑐᑦ ᐃᓕᑭᐊᕈᑦ 6ᒥᑐᑦ. ᑕᑯᓵᐅᔪᕐᒥᒃ ᐅᔾᖅᓇᑐᖅᑕᖃᖏᑐᖅ ᑕᒫᓂᖅᐸᓯᒃ ᓄᓇᓪᓗᓂ ᕿᓪᓗᒥᖅᑕᐅᓚᐅᑐᓂ. ᑕᑯᐊ ᕿᓪᓗᒥᖅᑕᐅᔪᑦ ᑲᔪᓯᑎᑕᐅᑲᓂᓘᖅᑐᑦ ᐊᑕᐅᓯᐊᓱᖓᓕᖅᑯᑎᒃ ᑭᖑᓕᒥ ᔪᓚᐃᖑᓘᖅᑐᕐᒥ.

4.2. ᓯᒃᓴᖓᑕ ᕿᓪᓗᒥᖅᑕᐅᓂᖓ

ᐊᕐᒍᑕᒫᑦ, ᑎᑭᑦ ᑲᑐᕐᑎᓯᖃᑦᑐᑦ ᐱᖓᓱᓂᒃ ᑐᑭᓕᕗᓐᖏᓂᒃ ᓯᒃᓴᖅᑐᑦ ᑎᑭᕈᑐ ᑕᐅᕙᓂ ᓄᓇᓪᓗᓂ ᓯᖅᑯᐊᖃᕗᐅᓚᐅᑐᖅᑐᑦ, ᑐᓚᒃᑕᖅᕗᐸᓯᒥᑐᖅᑐᑦ ᐊᒻᒪ ᑐᓚᒃᑕᖅᕗᒃ ᑎᑭᕈᖑ. ᑕᑯᐊ ᓄᓇᓪᓗᓂᑐᑦ ᓯᕗᓪᓕᑎᑕᐅᑲᓂᓚᐅᑐᑦ ᓯᕗᓪᓗᐊᖏᓂᓴᐅᓕᖅᑎᑕᐅᓗᑎᒃ ᐃᒪᐅᑉ ᑭᒃᓕᖓ ᑎᑭᕈᖑ ᑎᓲᖏᓂᖅᓴᐅᖅᑯᓗᖑ ᒪᓕᖅᑐᑦ ᐊᒧᔭᐅᖅᑯᓇᒍ ᑐᐊᐸᖓ ᓯᒃᓴᖅᐸᓯᐊᓂ.

ᖃᐅᔨᓴᕆᑕᐅᓚᐅᑐᑦ ᕿᓪᓗᒥᖅᓗᑕ ᐃᓕᑭᐊᕈᑦ 6ᒥᖃᑕᐅᔪᑦ. ᓯᑰᑉ ᐱᓕᕆᐊᖓᓄᑦ ᐊᒻᒪ ᐊᑎᖓᖓ ᓯᑰᑉ ᓯᒃᓴᖅᐸᓯᐊᓂ ᓱᓃᔪᒐᓗᐊᖅ ᑕᑯᓵᐅᓂᖓ ᓯᒃᓴᖓᑕ ᖃᓂᒋᓵᓂ ᓄᓇᐅᓂᖓᓂ, ᑭᓯᐊᓂ ᐅᔾᖅᓇᖅᑐᕐᒥᒃ ᑎᓲᑐᕐᒥᒃ ᓯᒃᓴᖅᐸᓯᐊᓂ ᐱᑕᖃᖏᑐᖅ. ᐅᖃᐅᓯᖃᓚᐅᑐᒍᑦ ᑕᒪᓇ ᓄᓇᖓ ᐱᓪᓗᖑ ᐊᒻᒪ ᑕᒪᓇ ᐃᓗᐊᓂᖃᓯᐅᑎᔪᖅ ᓄᓇᓕᕆᔨᒪᕆᐅᑉ ᖃᐅᔨᓴᕐᓂᕕᓂᐊᓂ ᓄᓇᖓ 8ᒥ ᓇᓗᓇᐃᓯᒪᔪᕐᒥ ᓇᓗᓇᐃᑕᐅᓯᒪᔪᖅ.

4.3. ᐊᕐᒍᑕᒫᑦ ᓄᓇᖓᑕ ᖃᐅᔨᓴᖅᑕᐅᓂᖓ

ᑐᑭᓯᓇᑎᐊᖅᑐᑯᓗᓗᓂ ᓇᓗᓇᐃᓯᒪᖏᑐᒐᓗᐊᖅ ᐃᒪᐅᑉ ᐱᔪᓇᐅᑎᖓᓂ ᐅᕙᓗᓃᑦ ᖃᓄᐃᑐᓂᕙᓂᖓᓄᑦ ᐸᖅᓇᒃᓯᒪᔪᑎᑕ ᓇᒪᒋᔭᐅᓂᖏᓂ ᑕᐃᑲᓂ ᓇᓗᓇᐃᓯᒪᓕᓇᒪᑕ ᖃᓄᐃᓕᐅᓇᐊᖃᒪᖔᑕ ᐊᕐᒍᑕᒫᑦ ᓄᓇᖓᑕ ᖃᐅᔨᓴᖅᑕᐅᓂᖓ, ᐊᑦᖏᖅᑐᕐᒥᒃ ᖃᐅᔨᓴᖅᑕᐅᖃᑦᑐᖅ ᐊᕐᒍᑕᒫᑦ ᐅᕙᒍᑦ ᑲᒻᐸᓂᒋᖏᑕᑎᓄᑦ ᐃᒥᓂᕿᔪᒥᑦ ᐊᔪᖏᓚᕆᑐᑦ ᓄᓇᓪᓗᓂ ᐊᐅᓚᓯᔨᒪᕆᑦ. 2010ᒥ ᖃᐅᔨᓴᓂᖏᑕ ᐅᓂᒃᖏᑦ ᐃᓚᐅᖃᑕᐅᔪᑦ ᐃᓕᑭᐊᕈᑦ 7ᒥ. ᖃᐅᔨᓴᓂᖓ ᐃᓗᓕᖃᓚᐅᒥᔪᖅ ᐊᕿᓱᑕᐅᓯᒪᔪᑦ ᓴᓇᔭᐅᓚᐅᑐᑦ ᐅᕙᓗᓃᑦ ᐊᕿᒋᐊᕈᑕᐅᓚᐅᑐᑦ ᖃᓄᐃᑐᓂᖓᓄ ᐅᑎᑎᑕᐅᓇᓱᓂᒧᑦ ᐱᓕᕆᐊᕝᕙᑦ ᒪᕆᓕᕿᒥ ᐅᓂᒃᑳᓕᐊᖑᓯᒪᔪᑦ ᒎᓪᓚ ᑲᑐᔾᖃᑎᒌᑦ ᐅᓂᒃᑳᖏᓂ.

ᓇᐃᓯᒋᐊᓯᒪᓗᓂ, ᖃᐅᔨᔭᐅᓂᖏᑦ ᓄᓇᖓᓂ ᖃᐅᔨᓴᓂᖏᑦ ᐅᑯᐊᖑᓚᐅᑐᑦ:

ᓄᓇᖓ 1 – ᒋᐊᕈ ᑕᓯᖓ, ᑰᖓ ᐊᒻᒪ ᓯᒥᓯᒪᕕᐊ

- ᑐᐊᐸᒃᑯᑦ ᖃᑎᓯᓯᒪᔪᖅ ᐊᕿᑕᐅᓯᒪᔪᖅ ᑰᒃᐱᐊᓂ ᑕᓯᕐᒦᖓᖅᑐᑦ ᓯᑯᒧᑦ ᓱᓂᑕᐅᓯᒪᔪᖅ ᐊᕐᒍᑕᒫᑦ ᐅᐊᓯᔾᐅᖃᑦᑐᖅ. ᐊᖏᓕᕚᓕᐊᖅᑯᔾᔪᖅ ᑭᓯᐊᓂ ᐃᒪᖅ ᑰᖃᑦᑐᖅ ᖃᑎᑐᓕᐊᖑᓯᒪᔾᑎᒍᑦ ᐊᒻᒪ ᐅᔾᕋᓃᑦ ᓴᓇᒪᔾᑎᓂᑦ ᖃᑎᑐᓕᐊᖑᓯᒪᔾᑎᓂᑦ. ᑎᑭᑦ ᐅᐊᓯᔪᑦ ᑕᓱᒥᖓ ᓴᓇᒪᔪᕐᒥᒃ ᕿᓪᓗᒥᒐᖃᑦᑎᓂᑦ ᐊᕐᒍᑕᒫᑦ ᖃᐅᔨᓴᕐᓗᑎᒃ ᑕᓯᐅᑉ ᐃᒪᖓᓂᑦ ᐃᒪᖃᓂᓵᐅᓕᒫᖕᖓᑦ ᐊᒻᒪ ᖃᑎᓯᓯᒪᔪᑦ ᖁᑎᒃᓯᕚᓕᒫᖓᑕ. ᓄᓇᖓᓂ ᖃᐅᔨᓵᑎᑦ ᐃᒪᓇ ᑎᑎᕋᓚᐅᑐᑦ, "ᐊᕿᓯᒪᓂᖓ ᑐᐊᐸᐅᓗᓂ ᖃᑎᒃᑐᓕᐊᖑᔭᐅᓯᒪᔪᖅ ᑰᒋᐊᖅᕙᒥ ᓱᓂᑕᐅᒪᓇᓂ ᓴᓇᐅᒐᐅᖅᑯᔾᔪᖅᑐᖅ ᐊᒻᒪ ᐊᑲᐅᖏᓕᐅᕈᑎᖃᓂᐊᓂᖓᓂᒃ ᓂᖁᐅᓇᖏᑐᖅ ᐅᕙᓗᓃᑦ ᑲᒪᒋᔭᐅᑲᓂᖁᐊᖃᔫᖅᑯᔾᔪᖏᑐᖅ."
- ᐃᒍᑎᖅᑕᐅᓂᖓ ᓯᒥᓕᐊᖑᓯᒪᔫᖅ ᐊᕐᒍᑕᒫᑦ ᖃᐅᔨᓴᖅᑕᐅᖃᑦᑐᖅ. ᖃᐅᔨᓴᓂᖅ ᐃᓱᒪᓕᐅᕈᑎᒥᓂ ᐅᖃᓚᐅᑐᖅ ᓯᕗᓪᓕᓂᓕᐊᖑᓯᒪᔪᑦ ᓯᒥᓕᐊᖑᓯᒪᔪᕐᒥ ᐊᑦᑭᓐᖁᔾᔪᖏᑐᑦ ᐊᕐᒍᐃ ᐊᒥᓱᐃᑦ ᐊᓂᒍᓯᒪᓕᖃᕈᐊᑎᕈᕐᒋᑦ ᒪᑐᓂᐅᑉ ᓯᕗᓂᐊᓂ ᖃᐅᔨᓴᖅᓂᐅᓚᐅᑐᓂ. ᐃᓄᒍᑦ ᓴᓇᒪᔪᑦ ᐃᖑᓇᑦ ᓯᕗᓪᓕᓂᐅᑉ ᐊᑎᖕᓂᖓᓂ ᓯᒥᓕᐊᖑᓯᒪᔪᕐᒥ ᐊᑦᑭᓐᖁᔾᔪᖏᑐᑦ.

ᓄᓇᖓ 2 – ᓱᑲᑲᖓᔫᑉ ᑕᓯᐅᑉ ᑐᓚᒃᑕᖅᕕᖓ ᐊᒻᒪ ᐊᖁᑎᒃ ᑕᐃᑯᖓᐅᔪᖅ

- ᐊᖁᑎᐅᑉ ᓴᐳᓗᑕᖓ ᐃᒪᕐᒥᑦ ᖃᓄᐃᑐᔫᖏᑐᖅ ᐊᒻᒪ ᑲᒪᒋᔭᐅᑲᓂᖃᖅᖏᓗᓂ.
- ᑕᓯᐅᑉ ᐃᒪᖓ ᑐᓚᒃᑕᕕᓕᐊᖅᓯᒪᔪᒥ ᖃᓄᐃᖏᑎᐊᖏᓐᖑᖅᑐᖅ ᑕᐃᒪᓐᖓᓂ ᒪᑐᓚᐅᑎᓇᒍᑦ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᑎᓗᒍ.

ᓄᓇᖓ 3 – ᓄᑖᖅ ᑐᐊᐸᒃᑕᕐᕕᐅᓕᕐᑐᖅ

- ᓯᕗᓂᐊᓂ ᐊᕐᕿᑕᐅᒋᐊᑲᓂᓚᐅᕐᑐᑦ ᑎᓘᕐᐸᓕᐊᔪᓄᑦ ᑰᓄ ᐃᓗᕐᓴᓕᐊᖑᓯᒪᔪᑦ ᐊᕐᕿᓯᒪᑎᐊᕐᑯᐃᔪᖅ. ᐃᓚᖓ ᑲᑕᓯᒪᓂᐅᓕᕐᑐᖅ ᓯᕗᓂᐊᓂ ᐃᓗᑐᕐᑎᑕᐅᓯᒪᓚᐅᑐᖅ ᐅᖃᐅᓯᐅᓯᒪᔪᖅ 2009ᒥ ᓱᓂᓯᒪᕐᑯᐃᖏᑐᖅ 2010ᖑᓕᕐᑎᓗᒍ.

ᓄᓇᖓ 4 – ᓇᕐᓴᐅᔭᓕᐊᖑᓯᒪᔪᖅ

- ᓇᕐᓴᐅᔭᓕᐊᖑᓯᒪᔪᖅ ᐃᓱᒫᓗᑕᐅᓗᐊᕐᑐᖅ ᐃᓱᒪᓇᕐᑐᖅ ᐊᑕᕐᓇᕐᑎᓯᔪᓇᒪᙱᑦ ᐃᓄᒃᓄᑦ ᐅᕙᓗᓃᑦ ᐅᒪᔪᕐᓄᑦ ᑕᒪᓇ ᓇᕐᓴᐅᔭᓕᐊᖑᓯᒪᔪᖅ. ᐅᐃᕐᓇᕐᑐᓂ ᐱᑕᖃᓚᐅᖏᑐᖅ ᐊᒪᓗ ᓄᓇᓕᕆᔨᒪᕆᒃ ᐅᖃᐅᓯᖃᓚᐅᖏᑐᖅ ᐅᐃᕐᓇᕐᑐᓂᒃ ᐊᓯᐃᕐᑐᖃᒪᙱᑦ ᐊᕐᒍᓚᐅᑐᑦ ᓯᕗᓂᐊᓂᑦ.

ᓄᓇᖓ 5 – ᐊᑐᕐᑕᐅᔪᖅ ᐊᒃᑕᕐᕕᒃ

- ᓄᓇᖓᑕ ᖃᓄᐃᑐᓂᖓᑕ ᐅᓂᑳᖓ ᐅᖃᓯᒪᔪᖅ "ᐊᑕᖏᕐᓗᖑ ᐃᓱᒪᒋᓗᒍ, ᓯᕗᓂᐊᓂ ᒪᑐᓚᐅᑎᓇᒍ ᑕᑯᓴᐅᔪᑦ ᖃᐅᔨᓴᕐᓂᓇᓚᐅᑕᕗᑦ ᑲᔪᓯᓂᖃᑎᐊᓚᐅᑐᑦ ᐊᑐᕐᑕᐅᔪᕐᒥ ᐊᒃᑕᕐᕕᒥ ᒪᑐᔭᐅᓚᐅᑐᖅ ᐃᒍᑎᕐᑕᐅᕙᓕᐊᓕᕐᑎᓗᒋᑦ ᐃᒡᓗᖏᑦ ᑕᒪᓇ ᓇᓗᓇᐃᓯᔪᖅ ᐊᑐᕐᑕᐅᔪᖅ ᐊᒃᑕᕐᕕᐅᑉ ᓯᕕᖓᓂᖓ ᐊᑕᕐᓇᖏᑐᖅ."

ᓄᓇᖓ 6 – ᐊᐅᐸᕐᑐᖅ ᕿᒥᑯᓗᒥ ᓴᐅᔭᐅᓯᒪᔪᑦ

- ᓄᓇᓕᕆᔨᒪᕆᐅᑉ ᖃᐅᔨᓴᕐᓂᕕᓂᖓᑕ ᐅᓂᑳᖓ ᐅᖃᓯᒪᔪᖅ ᐃᒪᓇ, "ᑐᐊᒃ ᐅᓕᓯᓯᒪᔪᖅ ᐊᐅᐸᕐᑐᖅ ᕿᒥᑯᓗᒥ ᓱᓕ ᑲᑕᒐᕐᑐᐊᓗᒪᙱᑦ ᐅᐃᕐᓇᑐᑕᖅᖏᑐᖅ ᖃᓄᐃᖏᑎᐅᓗᓂᓗ."

ᓄᓇᖓ 7 – ᐃᓯᕐᑕᕐᕕᖏᑦ ᐅᔭᕋᒃᓯᐅᕐᕖᑦ

ᐱᔪᑎᒋᔭᖓ ᐃᓯᕐᑕᕕᖏᑦ ᐅᔭᕋᒃᓯᐅᕖᑦ ᒪᑐᔭᐅᓯᒪᓂᖏᑦ ᐃᓯᕈᓇᕐᑯᓇᒋᑦ ᐃᓄᐃᑦ ᐅᒪᔪᐃᓗ ᓄᓇᐅᑉ ᐊᑖᓄᕐᑯᓇᒋᑦ.
ᐃᓯᕐᑕᕐᕖᑦ ᓯᒥᖏᑦ ᐅᓕᒃᑕᐅᓯᒪᔪᑦ ᐃᔨᕐᑕᐅᓯᒪᔪᓇᕐᑯᓗᒋᑦ ᐊᒪᓗ ᖃᓄᐃᑐᓂᕕᓂᖓᓄᑦ ᐅᑎᑎᑕᐅᓇᓱᓂᖓᓄᑦ ᖃᓄᐃᑐᓂᕕᓂᖓᑕ ᑕᐅᑐᖓᓄᑦ ᑕᐃᒪᐃᓕᑎᓇᓱᒃᓗᒋᑦ ᓯᕕᖓᕈᔪᒃᓗᑎᒃ. ᑕᑯᐊ ᐅᓕᖏᑦ ᖃᐅᔨᓴᕐᑕᐅᖃᕐᑐᑦ ᓄᓇᖓᑕ ᖃᐅᔨᓴᕐᑎᖓᓄ ᖃᐅᔨᓴᓕᕿᖓᑦ.

- ᓄᓇᖓᑕ ᖃᐅᔨᓴᕐᑎᖓ ᖃᐅᔨᓚᐅᑐᖅ ᑕᐃᑯᐊ ᑎᓴᒪᐃᑦ ᑕᒪᕐᒥ ᓱᓕ ᐅᓕᒃᓯᒪᑎᐊᕐᑐᑦ ᓱᓂᕐᓯᒪᖏᑐᑦ ᓯᕗᓂᐊᓂ ᖃᐅᔨᓴᕐᓂᓇᓚᐅᑕᖓᓂᑦ ᐃᓚᐅᓗᓂ ᐃᓯᕐᑕᕕᓗᐊᑕᓇᓚᐅᑕᖓ ᑕᓱᒪ ᓯᕕᖓᓂᖓ ᐊᕐᕿᓱᑕᐅᑲᓂᓚᐅᓯᒪᑎᓗᒍ 2009ᖑᑎᓗᒍ.

ᓄᓇᖓ 8 – ᓯᔭᕐᐊᓯᐊᓂᑐᖅ ᐃᒻᒪᖓᖓᓂᑐᖅ ᑐᓚᒃᑕᕐᕕᕕᓂᐅᑉ

- ᓄᓇᖓᑕ ᖃᓄᐃᑐᓂᖓᑕ ᐅᓂᑳᖓ ᐅᖃᓯᒪᔪᖅ ᒪᓕᖓᒍᑦ ᐊᒪᓗ ᓯᑰᑉ ᐊᐅᓚᔭᐃᖃᑕᓂᖓᓄᑦ ᓱᓕ ᑲᔪᓯᔪᑦ ᑭᓯᐊᓂ ᑕᓇᐅᖓᑕ ᐃᖃᖓ ᒪᕈᐅᓂᖅ ᓱᓂᕐᑕᐅᖏᑐᖅ ᑰᖃᑕᕐᓂᖓᓂᑦ. ᐅᓂᑳᑦ ᐅᖃᓯᒪᒥᔪᖅ "ᐊᑕᖏᓗᒍ ᓯᒃᔭᖓ ᐊᑕᕐᓇᕐᑯᐃᖏᑐᖅ ᐊᒪᓗ ᑲᒪᒋᔭᐅᖏᑲᓗᐊᐸᑦ ᖃᓄᐃᖏᑐᖅ."

ᐊᑕᖏᕐᓗᓂ ᓄᓇᖓᑕ ᖃᐅᔨᓴᕐᑕᐅᓂᖓᑕ ᐅᓂᑳᖓ ᐃᓚᒋᐊᕈᑦ 7ᒥᑐᖅ.

4.4. ᒋᐊᕈ ᑕᓯᖓᑕ ᓯᕕᖓᓂᖓ

ᐊᕋᒍᑕᒫᑦ ᕿᖑᒥᒐᕐᑕᐅᖃᑕᓂᖓ ᓯᕕᖓᓂᖓ ᒋᐊᕈ ᑕᓯᖓᑕ ᑲᔪᓯᓚᐅᑐᖅ. ᕿᖑᒥᒐᕐᑕᐅᓂᖏᑦ ᑕᓯᐅᑉ ᓯᕕᖓᓂᖓᑕ ᑲᔪᓯᓚᐅᑐᑦ ᐊᐅᔭᑯᑦ ᐃᖃᓇᐃᔭᕐᑏᑦ ᒪᕈᓕᕿᒥᑎᓗᒋᑦ ᐊᕋᒍᑕᒫᑦ ᖃᐅᔨᓴᕐᑕᐅᓂᖓ ᑲᔪᓯᑎᓗᒍ. ᐃᒪᖓ ᖁᕙᓇᐊᓚᐅᑐᖅ 0.67ᒥᒃ ᐅᒃᑐᑎᒧᑦ 2005ᒥᓂᑦ 2008ᒧᑦ, ᐊᓂᒍᕐᑐᓂ ᒪᕈᓂ ᐊᕋᒎᖕᓂᑦ, ᖁᕙᓇᐊᐸᓕᐊᓂᖓ ᓱᓂᓯᒪᖏᑐᖅ. ᐃᒪᖓᑕ ᖁᕙᓇᐊᓯᒪᓂᖓ 2008ᒥᑦ 2009ᒧᑦ 1.12ᐅᒃᑐᑎᑯᓗᒧᑦ ᐊᖏᓂᖃᓚᐅᑐᖅ ᐊᒪᓗ 2010ᖑᑎᓗᖑ ᖁᕙᕐᐸᓕᕐᓂᖓ 0.05ᒥᒃ ᐅᒃᑐᑎᑯᓗᒧᑦ ᐊᖏᓂᖃᓚᐅᑐᖅ ᒥᑭᓂᕐᓴᖅ 2009ᒥᑦ. ᑕᑯᐊ ᐊᓯᐊᓂᐅᔪᑦ ᒥᑭᑐᐃᑦ ᐊᒪᓗ ᓱᓂᑕᐅᓯᒪᔪᓇᕐᑐᑦ ᓯᓚᒧᑦ ᐊᒪᓗ ᑰᖃᑕᕐᓂᒧᑦ ᐅᕙᓗᓃᑦ ᖃᖓᑕᕐᑎᑕᐅᓯᒪᔪᑯᑦ ᖃᐅᔨᓴᕐᓂᖅ ᐊᕿᑎᐊᕐᓯᒪᓂᖓᓄᑦ.

5. ᐊᓯᖏᑦ ᒪᕈᓕᕿᒥ ᐅᐊᓯᔭᐅᓃᑦ

ᐊᒪᓗᑲᓂᖅ ᐅᐊᓯᔭᐅᓂᖓ ᐃᒪᕐᓗᖏᑦ ᐊᒪᓗ ᑕᑯᓴᐅᓂᖓ ᒪᕈᓕᕿᒥ, ᐅᐊᓯᓂᖅ ᐊᓄᓇᐅᑉ ᓱᑲᓂᖓᓂᒃ ᕿᓴᓗᐸᐃᒥ, ᐅᐊᓯᓂᖅ ᓴᐅᔭᐅᓯᒪᔪᓂ ᐅᓇᓂᓯᐅᑎᓂᒃ, ᐊᒪᓗ ᐅᐊᓯᓂᖅ ᓴᕕᕿᔭᖃᓂᖏᓂᒃ ᓯᕐᓗᐊᖃᕕᐅᓚᐅᓯᒪᔪᕐᒥᒃ ᓴᕕᕿᔭᓴᓄᑦ ᑲᔪᓯᑎᑕᐅᓚᐅᑐᑦ ᐱᖓᔪᖓᓂ ᑎᓴᒪᐃᓕᖃᖓᔪᑦ 2010ᖑᑎᓗᒍ.

5.1. ᕿᓴᓗᐸᐃᒥ ᐊᓄᓇᖓᑕ ᐅᐊᓯᔭᐅᓂᖓ

ᐃᒪᒧᑦ ᐱᔪᓇᐅᑎᒃ ᐊᒪᓗ ᖃᓄᐃᑐᓂᕕᓂᖓᓄ ᐅᑎᑎᓇᓱᓂᒧᑦ ᐸᕐᓇᐅᑎᒃ ᐱᔭᓇᐊᖃᑎᓯᕗᖅ ᓯᑰᖏᓂᖓᓂ ᒥᐊᕈ ᑕᓯᖓᓂ ᐃᖃᓇᐃᔭᑏᑦ ᒪᕈᓕᕿᒥᖏᑎᓗᒋᑦ, ᐊᓄᓇᐅᑉ ᓱᑲᓂᖓ ᐅᐊᓯᔭᐅᔭᓇᐊᓕᒃ ᕿᓴᓗᐸᐃᒥᑦ. ᐊᓄᓇᐅᑉ ᓱᑲᓂᖓᑕ ᑎᑎᖃᓯᒪᓂᖏᑦ ᐃᓚᒋᐊᕈᑦ 8ᒥᑐᑦ. ᓯᑎᐱᓇᒥ ᐊᓄᓇ 50 ᑭᓛᒥᑕᐅ ᐅᖓᑖᓂᒪᐅᑐᖅ ᐃᑲᕿᓂ ᒪᕈᐃᓈᓂᒃ ᓯᑎᐱᓇᐅᑎᓗᒍ. ᑕᓇ ᐊᓄᓇᐅᑉ ᓱᑲᓂᖓᑕ ᐅᐊᓯᔭᐅᓂᖓ ᐅᓄᓇᑭᓂᕐᐹᖑᓚᐅᑐᖅ ᑕᐃᒪᖓᓂ ᖃᓄᐃᑐᓂᕕᓂᖓᓄᑦ ᐅᑎᑎᑕᐅᓇᓱᓂᖓᑕ ᐅᐊᓯᓂᖅ ᐱᒋᐊᓚᐅᓯᒪᖓᒪᑦ 2004ᖑᑎᓗᖑ. ᑐᖓᕕᒋᓗᒍ ᑐᖓᕕᒋᓗᖑ ᑕᓇ ᑐᓴᕈᑎᒃ ᐊᓄᕌᖏᓂᖅ ᐅᔨᕐᓇᕐᑐᕐᒥᒃ ᐸᕕᓵᓇᓚᐅᖏᑐᖅ ᐃᒪᐅᑉ ᐊᕿᓯᒪᓂᖓ ᐅᕙᓗᓃᑦ ᑕᓇᐅᖑᓕᓇᓂᖓᓂᒃ.

5.2. ᓴᐅᔭᐅᓯᒪᔪᑦ ᐅᓇᓂᖓᑕ ᐅᐊᓯᔭᐅᓂᖓ

ᑎᓴᒪᐃᑦ ᐅᓇᓂᒧᑦ ᖃᐅᔨᓴᕈᑏᑦ ᐊᕿᓱᕐᑕᐅᓚᐅᑐᑦ ᑕᐃᒪᓄᑦ ᐊᐅᐸᑐᖅ ᕿᒥᑯᓗᒥ ᓴᐅᔭᐅᓯᒪᔪᒥ ᐊᑐᕐᑕᐅᔪᕐᒥᓗ ᐊᒃᑕᕐᕕᒥ. ᑕᑯᐊ ᐅᓇᓂᖓᑕ ᖃᐅᔨᓴᕈᑎᖏᑦ ᐊᕿᓱᑕᐅᕕᐅᓯᒪᔪᑦ ᖃᕐᐸᓯᐊᓂ ᐅᓕᖓᑕ ᑐᐊᐸᒥ ᐊᒪᓗ ᑕᐅᓄᖔᓗᒃ ᓴᐅᔭᐅᓯᒪᔪᓄᑦ ᑎᑭᓯᒪᓗᑎᒃ ᐅᐊᓯᔭᐅᕐᑯᓗᒥᑦ ᐅᓇᓂᖏᑦ ᓂᒃᓕᓇᕐᓂᖏᓗᓃᑦ ᑕᑯᓇᓂ ᓴᐅᔭᐅᓯᒪᔪᕐᓂ. ᔪᓚᐱ 2010ᖑᑎᓗᖑ ᐊᕿᒍᑕᒫᑦ ᑎᑎᕿᐊᓕᐊᔪᑦ ᐱᔭᐅᓚᐅᑐᑦ ᐊᒪᓗ ᐃᓚᒋᐊᕈᑦ 9ᒥᑐᑦ. ᐅᕐᑰᓂᕐᐹᖑᓚᐅᑐᖅ ᖃᐅᔨᓴᕈᑎᑎᓂᑦ ᐅᓇᓂᖓᑕ ᖃᐅᔨᓴᕈᑎᖓᓂ ᐅᕐᑯᓯᔪᒥᑕᐃᓇᑐᕕᓂᖅ ᐊᒐᓯᐅᑉ ᓄᖑᐊᓂ ᐅᕙᓗᓃᑦ ᓯᑎᐱᓇᐅᑉ ᐱᒋᐊᕐᓂᖓᓂ ᐊᕿᒍᑕᒫᑦ ᑕᐃᒪᐃᑐᓗᓂ ᑕᐃᒪᐃᒪᑦ 2009ᖑᑎᓗᒍ ᓄᑖᖑᓂᕐᐸᖑᔪᖅ ᓄᐊᓯᒪᔭᑎᓂ ᐊᐅᔭᓕᒫᑦ ᑎᑎᕿᖏᑦ ᐱᓯᒪᔭᕗᑦ. ᑎᑎᖃᓯᒪᔪᑦ, ᐊᕿᓱᑕᐅᓯᒪᔪᑦ ᑎᑎᕿᓯᒪᓂᖏᑦ ᓴᕿᔮᕐᑎᓯᔪᑦ ᐊᔨᒋᖏᓂᖏᓂᒃ ᐅᓇᓂᖓᑕ ᐊᑐᓂ ᐅᓇᕐᓂᖓᓄᑦ ᖃᐅᔨᓴᕈᑎᑎᓂ, ᐊᑐᓂ ᐃᑎᓕᓇᓂᖏᑦ, ᖃᐅᑕᒫᑦ ᑕᐃᒪᖓ ᓴᐅᔭᐅᓯᒪᔪᒧᑦ ᐃᓕᓚᐅᓯᒪᒐᑎᒍᑦ. ᑐᓴᕈᑎᒃ ᐊᔨᒋᖏᓂᖏᓂᒃ ᓇᓗᓇᐃᓯᑐᐃᓇᖏᓕᖅ ᑭᓯᐊᓂ ᑕᒪᕐᒥ ᕐᑯᐊᖑᐃᓇᕐᑐᑦ ᑭᓯᐊᓂᓕ ᑕᒪᓇ ᕐᑯᐊᖑᐃᓇᕐᓂᖓ ᓱᓕ ᑲᔪᓯᔪᖅ ᑕᑯᓇᓂ ᐊᕿᒍᔪᕐᓂ. ᐅᔨᓇᕐᑐᑕᖃᑐᖅ ᐊᐅᐸᕐᑐᖅ ᕿᒥᑯᓗᒥ ᓴᐅᔭᐅᓯᒪᔪᑦ ᐱᔪᑎᒥᓗᒍ ᑕᓇ ᓄᑖᖑᓂᕐᐸᖑᓂᓴᐅᒪᑦ ᐊᐃᐸᖏᓂᑦ ᓴᐅᔭᐅᓯᒪᔪᓂᑦ.

5.3. ᓯᕐᓗᐊᕕᓂᖓᑕ ᓱᕈᓯᒪᓂᖓ

ᖃᓄᐃᑐᓂᕕᓂᖓᓄᑦ ᐅᑎᑎᑕᐅᓇᓱᒃᑎᓗᒍ ᒪᕈᓕᕿ, ᓴᕕᕿᔭᒃᓴᕐᒧᑦ ᓱᕈᓯᒪᔪᑦ ᑐᒥᐅᑉ ᐃᓗᐊᓂ ᓴᕕᕿᔭᒃᓴᖃᑐᕐᒧᑦ ᓯᕐᓗᐊᖃᕕᕕᓂᖓ ᐄᔭᕐᑕᐅᓚᐅᑐᖅ. ᐊᒃᓱᕈᒪᓇᓚᐅᑐᑦ ᖃᓄᐃᑐᓂᕕᓂᖓᓄᑦ ᐅᑎᕐᑎᑕᐅᓇᓱᒃᑎᓗᒍ ᐱᐅᓯᑎᑎᐊᕿᓱᒃᓗᑎᒍᑦ ᓱᕈᓯᒪᔪᑦ ᐄᔭᕐᑕᐅᓇᓱᒃᑎᓗᒋᑦ, ᑭᓯᐊᓂ ᐱᔭᓇᕿᑕ ᓴᓗᒪᓴᐃᓂᕐᒧᑦ, ᓵᑐᑯᓗᓚᓗᐊᖅ ᓴᕕᕿᔭᒃᓴᕕᓂᖅ ᓱᓕ ᐊᑖᓂᑐᖅ ᑐᐊᐸᐃᑦ ᐊᑖᓂ ᑕᐃᑲᓂ ᐃᒡᓗᖃᕕᐅᓚᐅᑑᑉ ᑐᒥᖑᐊᒥᑐᕐᒥ. ᖃᓄᐃᑐᓂᕕᓂᖓᓄᑦ ᐅᑎᑎᑕᐅᓂᖅ ᐱᔭᓇᑕᐅᓚᐅᑐᖅ ᐊᒪᓗ ᓵᓂᐹᖅ 0.5ᒦᑕᒥᒃ ᐃᔪᓂᓕᒧᑦ ᓴᐅᔭᐅᓚᐅᑐᖅ ᑕᕝᕙᓂ ᐃᒡᓗᖃᕕᕕᓂᒥ ᐅᓕᒋᔭᐅᓗᓂ ᑕᒪᓇ ᑐᐊᐸᒃ. ᐊᐱᕐᑯᑏᑦ ᐱᔪᑎᓖᑦ ᑕᒪᑐᒧᖓ ᖃᖓᓄᕿᔭᕐᒪᖔᑦ ᐅᓕᓕᐊᓇᔭᐅᓯᒪᔪᑯᑦ ᐊᐱᕐᑯᑕᐅᓚᐅᑐᑦ ᒪᓕᒐᕐᓂᒃ ᒪᓕᒃᑎᓯᔨᐅᖃᑕᕐᑐᓄᑦ. ᑕᐃᒪᐃᓂᖓᓄᑦ, ᑎᒃᑯᑦ ᐊᖏᕐᓯᒪᔪᑦ ᖄᕐᐸᓯᐊ ᖃᐅᔨᓴᕐᑕᐅᕐᑯᓗᒍ ᓴᕕᕿᔭᒃᓴᑕᖃᒪᖔᑦ ᑕᒪᓂ ᓴᐅᓯᕕᒋᓚᐅᑕᑎᓂᑦ ᐊᕿᒍᑕᒫᑦ ᖃᐅᔨᓴᕈᑎᒋᖃᑕᕐᑕᒥᓂᒃ ᖃᐅᔨᓴᕐᑎᓗᒋᑦ.

ᐅᓄᑐᐃᑦ ᓱᕈᕐᓯᒪᔪᕕᓃᑦ ᖃᐅᔨᓴᕐᑕᐅᔪᒃᓴᓂ ᐱᕕᐅᓚᐅᑐᑦ ᑕᐃᒪᐃᖃᑕᒪᑕ ᐊᕿᒍᑕᒫᑦ ᓇᓗᓇᐃᑕᐅᕐᑯᓗᖑ ᓴᕕᕿᔭᒃᓴᕕᓂᕐᓂᒃ ᐱᑕᖃᒪᖔᑦ ᐅᓕᓕᐊᓇᔭᐅᓯᒪᔪᕐᒥᑦ ᐊᒪᓗ ᒪᓇᐅᔪᖅ ᕐᑯᕙᕐᐊᓕᐊᖏᑐᖅ ᐅᔭᖅᓴᔭᕕᓂᕐᒥᑦ ᑐᐊᐸᒃᒥ ᑕᑯᓇᓂ ᐅᓪᓗᕐᓂ. ᐅᒪ ᐊᑕᓂ ᐃᓚᐅᔪᑦ ᖃᐅᔨᓴᕈᑎᕕᓃᑦ ᔪᓚᐃ 14, 2010ᖑᑎᓗᒍ (ᖃᐅᔨᓴᕐᑕᐅᔪᑎᕕᓃᑦ ᐃᓚᒋᐊᕈᑦ 5ᒥᑐᖅ). ᑕᒪᕐᒥᓕᒫᖅ ᓴᕕᕿᔭᒃᓴᖃᒪᖔᑦ ᖃᐅᔨᓴᕐᑕᐅᔪᑏᑦ ᑐᖓᓂᑐᑦ ᒪᓕᓯᒪᔭᓇᐊᖃᑕᑕ ᑐᕿᓚᓇᔭᑎᓂ.

6. ᖃᓄᐃᑐᓂᕕᓂᖓᓄᑦ ᐅᑎᕐᑎᑕᐅᓂᖓᑕ

ᐃᓱᐊ ᖃᒃᓕᓕᑎᓗᖑ ᖃᓄᐃᑐᓂᕕᓂᖓᓄᑦ ᐅᐊᓯᓂᐅᔭᖅ ᐱᓕᓇᓂᕗᑦ (ᒪᓕᓗᒍ ᐊᖏᕐᑕᐅᓯᒪᔭᖅ ᓇᓗᓇᐃᕐᓯᒪᑎᐊᕐᑐᑦ ᐃᒍᑎᕐᑕᐅᓂᖓ ᖃᓄᐃᑐᓂᕕᓂᖓᓄ ᐸᕐᓇᐅᑎᒃ ᒪᕈᓕᕿᒥ), ᑎᒃᑯᑦ ᑲᑐᕐᒌᓯᒪᔪᑦ ᐃᒍᑎᕐᑕᐅᕐᑯᓗᒋᑦ ᒪᓇᐅᔭᖅ ᑕᖕᒫᕕᒋᔭᕗᑦ ᐊᒪᓗ ᐊᑐᕐᑕᕗᑦ, ᐊᒪᓗ ᓄᒃᑎᕐᑎᑕᐅᓗᑎᒃ ᑕᑯᐊ ᐊᑐᕐᑕᐅᓚᐅᕐᑐᑦ ᐃᓂᓴᖓᓄ ᓇᓗᓇᐃᑕᐅᓯᒪᔭᕐᒧᑦ ᐊᐅᓚᐅᔭᐅᔭᓇᕐᑯᓗᒋᑦ ᑕᐃᑲᖓ (ᓄᖑᐊᓂ ᐊᒐᓯᐅᑉ ᐱᒋᐊᕐᓂᖓᓂᓗᓃᑦ ᓯᑎᐱᓇᐅᑉ 2011ᒥ). ᐊᕙᑎᒧᑦ ᖃᐅᔨᓴᕐᑎᒪᓇᖓ ᑕᐃᑲᓂᓚᐅᑐᖅ ᑕᐃᒪᖓᓕᒫᖅ ᑕᒪᑯᓂᖓ ᐱᓕᓇᑎᓗᑕ ᑕᑯᐊ ᐱᓕᓇᐊᖑᑎᑕᕗᑦ ᒪᓕᑎᐊᕿᓗᐊᒪᖔᑕ ᒪᓕᒋᐊᖃᑕᕐᑎᓂᒃ ᖃᓄᐃᑐᓂᕕᓂᖓᓄᑦ ᐅᑎᑎᑕᐅᓂᒧᑦ ᐸᕐᓇᒍᑎᒋᓯᒪᔭᕗᑦ ᒪᓕᑕᐅᒐᓗᐊᒪᖔᑦ ᐊᒪᓗ ᐃᒪᕐᒧᑦ ᐱᔪᓇᐅᑎᒧᑦ ᒪᓕᒋᐊᓖᑦ ᒪᓕᑕᐅᒐᓗᐊᒪᖔᑕ. ᐃᓚᒋᐊᕈᑦ 10 ᐃᓗᓕᖃᑐᖅ ᐊᔨᖑᐊᓂᒃ ᓇᓗᓇᐃᓯᔪᓂᒃ ᓱᓕᔪᕐᓂᒃ ᑕᐃᑯᓂᖓ ᐱᓕᓇᐊᓇᔭᑎᓂᒃ ᐱᔭᓇᕐᑕᑎᓂᒃ.

ᐱᓕᕆᐊᕗᑦ ᒪᕐᑯᓕᕿᒥ ᒪᓕᓯᐊᕐᓱᐊᒪᕖᑦ ᓯᕗᓕᕐᒥ ᖃᓄᐃᑐᓂᖓᓄᑦ ᐅᑎᑎᓇᓱᓂᒧᑦ ᐸᕐᓇᐅᑎᓂᑦ ᐅᑯᓂᖓ ᐃᓗᓕᖃᓚᐅᑐᖅ:

1. ᐃᒍᑎᕐᑕᐅᓂᖓ ᐊᒻᒪ ᓴᓗᒪᕐᓴᕐᑕᐅᓂᖓ ᐅᕐᓯᐊᓗᖃᕕᕆᑲᐃᓇᕐᑕᕗᑦ
   ᑕᒪᑐᒪᓂ ᐱᓕᕆᐊᕆᔭᑕ ᐃᓚᖓ, ᑕᓇ ᐅᕐᓯᐊᓗᖃᐅᑎᖃᕕᕆᑲᐃᓇᕐᑕᕗᑦ ᐃᒍᑎᕐᑕᐅᓚᐅᑐᖅ, ᐊᒥᐊᑯᐊ ᐅᕐᓯᐊᓗ ᐃᑭᑕᐅᓗᓂ, ᐃᒪᖃᕈᓂᕐᑐᑦ ᖃᑕᐅᔭᐃᑦ ᓇᑲᑎᕐᑕᐅᓗᑎᒃ ᓴᓗᒪᕐᓴᕐᑕᐅᓚᐅᑐᑦ. ᐅᕐᓯᐊᓗᕈᕙᐃᑦ ᓱᕈᕐᓯᒪᕙᑦ ᑐᐊᐸᐃᑦ ᐊᒻᒪ ᐃᓗᓕᖓ ᐅᕐᓯᐊᓗᖃᐅᑎᐅᓚᐅᑑᑉ ᓄᓇᖓ ᐊᕿᓯᑕᐅᓚᐅᑐᑦ, ᐳᖃᑕᐅᓗᑎᒃ, ᐊᒻᒪ ᖃᓗᓈᑦ ᓄᓇᖓᓄᑕᐅᓛᕐᑐᑦ ᒪᕐᓗᑰᑕᐅᓛᕐᒪᑕ ᑕᐅᓇᓂ 2011ᒥ ᐅᒥᐊᕙᐊᑯᑦ.
2. ᑕᒪᕐᒥᓕᒫᖅ ᓱᑯᓇᕐᑐᑦ ᑭᓯᑐᐃᓇᐃ/ᐃᒪᕐᓗᐃᑦ ᒪᕈᓕᕿᒥ ᐳᖃᑕᐅᓚᐅᑐᑦ ᐊᒻᒪ ᐳᖃᑕᐅᑎᐊᓛᕐᑐᑦ ᑕᐃᑯᖓ ᒪᕈᓕᕿᒥᑦ ᐊᐅᓚᕐᑎᑕᐅᓚᐅᖏᓂᖏᓂ. ᑕᑯᐊ ᑭᓯᑐᐃᓇᐃᑦ ᐃᓚᖏ ᐃᒪᐃᑐᕙᑦ ᐅᕐᓯᐊᓗᒥᑦ ᓱᕐᓯᒪᕙᑦ ᑭᓯᑐᐃᓇᐃᑦ, ᓴᖏᕙᐃᑦ ᓴᓗᒪᕐᓴᐅᑏᑦ, ᓴᓗᒪᕐᓴᐃᕙᑏᑦ, ᐅᕐᓯᐊᓗᕕᓃᑦ, ᐊᓯᕈᓗᔪᖏᓗ, ᑕᒻᒫᕐᕕᕆᑲᐃᓇᕐᑎᓂ ᑕᐃᑲᓂᓚᐅᕐᓗᑎᒃ ᐊᒻᒪ ᐊᐅᓚᐅᑎᓖᑦ.
3. ᐊᓯᖏᑦ ᒪᕈᓕᕿᒥ ᓴᓗᒪᕐᓴᐃᓂᖅ
   ᑕᕙᓂ ᖃᐅᔨᓴᕐᓂᕐᒥ ᐊᕐᓱᒍᑕᓖᑦ ᖃᐅᔨᓴᓂᐅᕐᑲᑕᓂᒧᑦ ᒪᕈᓕᕿᓕᐊᕐᑐᑦ ᑕᐃᒪᖓᓂ 2004ᒥᓂᑦ, ᐃᓚᖓᑦ (ᐊᒻᒪ ᒪᕈᕚᒃᓗᑎᒃ ᐃᓅᒃ) ᑎᓕᔭᐅᓯᒪᖃᑕᕐᑑᒃ ᕿᓂᕐᑯᓗᒋᑦ ᐊᒻᒪ ᓄᐊᑎᓗᑎᒃ ᓴᓂᕐᓂᒃ ᑕᑯᔭᐅᖏᓂᑯᓂᒃ. ᐊᒻᒪ ᑕᐃᒪᐃᓕᐅᖃᑕᕐᑎᓗᒋᑦ 2010ᖑᑎᓗᒍ ᔪᓚᐃᒥ ᖃᐅᔨᓴᓂᐅᔪᖅ, ᑐᐃᒪᐃᓕᐅᕐᑯᔭᐅᑳᓂᓚᐅᑐᑦ ᑲᑐᕐᑎᐅᔪᑦ ᐊᒐᓯ 2010ᖑᑎᓗᒍ. ᑕᐃᒪᐃᓕᐅᑲᓂᓚᐅᑐᑦ ᓴᓗᒪᕐᓴᐃᓚᕐᓱᐊᒥᑎᓗᒋᑦ ᑕᒻᒫᕐᕕᐅᔪᕐᒥ ᓴᓗᒪᕐᓴᐃᑎᓗᒋᑦ ᐊᒻᒪ ᑭᖑᓂᐊᒍᑦ ᐊᓯᖓᖓᓄᑦ ᓄᒃᑎᕐᑎᓗᒋᑦ.
4. ᓴᐅᔭᐅᓂᖏᑦ ᓱᑯᓇᖏᑐᑦ ᒪᕐᓗᑯᐃᑦ
   ᓱᕐᓗ ᑕᐃᒪᐃᓚᐅᒪᑕ ᓯᕗᓂᐊᓂ ᖃᐅᔨᓴᕐᓂᒥ, ᐊᐅᐸᕐᑐᖅ ᕿᒥᑯᓗᒥ ᓴᐅᔭᐅᓯᒪᔪᑦ ᒪᕐᓗᑯᑕᖃᓚᐅᑐᑦ ᐊᐅᔭᑕᒫᑦ. ᑕᐃᑯᖓᕐᑕᐅᑎᓗᒋᑦ ᐊᒻᒪ ᓴᓗᒪᕐᓴᐃᑎᓗᒋᑦ ᑕᒻᒫᕐᕕᐅᔪᕐᒥ, ᒪᕐᓗᑯᐃᑦ ᐊᐅᐸᕐᑐᖅ ᕿᒥᑯᓗᒧᑕᐅᑲᓂᓚᐅᑐᑦ ᒪᕐᓗᑯᖃᕕᒧᑦ. ᐃᑭᑐᓇᕐᑐᑦ ᐊᑕᖏᐸᓗᒃᓗᑎᒃ ᐃᑭᑕᐅᓚᐅᑐᑦ ᐊᒻᒪ ᐊᒥᐊᑯᖏᑦ ᓴᐅᔭᐅᓗᑎᒃ ᐊᒃᑕᕐᕕᒥ. ᓴᐅᔭᐅᓂᖏᑦ ᐃᑭᓂᑯᐃᑦ ᑲᔪᓯᓚᐅᑐᑦ ᐃᓗᑐᕐᑎᓯᓚᐅᓗᑎᒃ ᐃᓗᑐᑎᓯᔪᑎᒧᑦ 235 ᑲᓕᑲᑕᐅᒧᑦ, ᐅᓕᑕᐅᓂᖓᓕ ᓴᐅᔭᐅᔫᑉ (ᐃᑎᓂᓴᐅᖏᑐᖅ 1ᒦᑕᒥᑦ) ᓴᓂᕐᕙᕐᓯᒪᔪᕐᒥ ᖃᓂᒥᔭᓚ ᐃᓗᑐᕐᓯᒪᔫᑉ ᑲᓇᖕᓇᕐᐸᓯᐊᓂ. ᒪᕐᓗᑯᐃᑦ ᓄᐊᑕᐅᓚᐅᑐᑦ ᐊᑕᐅᓯᕐᒧᑦ ᐊᒻᒪ ᐅᓕᕐᑕᐅᓗᑎᒃ ᓴᓗᒪᔪᕐᒧᑦ ᑐᐊᐸᖕᒧᑦ ᓯᓚᑎᑎᐊᖓᓂᑦ ᐃᓗᑐᕐᓯᒪᔫᑉ. ᓯᖃᓕᓯᒪᔪᕐᒧᑦ ᑐᐊᐸᖕᒥᒃ ᐊᑐᓚᐅᑐᑦ ᐊᑯᓂᖃᓗᐊᕐᑯᓇᒥᑦ ᒪᕐᓗᑯᐃᑦ ᐊᑯᓂᑯᓂᐅᓕᕐᐸᑦ ᒪᕐᓗᑯᐃᑦ ᓴᕿᓛᕐᑯᓇᒥᑦ. ᐊᕙᑎᓕᕆᔨᒪᕆᑯᑦ ᐱᓕᕆᔨᖓ ᐅᐊᓯᒪᕆᓚᐅᑐᖅ ᐱᓕᕆᔪᓂᒃ ᐊᒻᒪ ᑕᑯᐊ ᒪᕐᓗᑯᐃᑦ ᐅᓕᒃᑕᐅᓯᐊᕐᓱᐊᒪᕗᑕ ᑕᐃᒪᐃᑎᓯᓇᓱᒃᓗᓂ (ᐊᖏᕐᑕᐅᓯᒪᔪᑦ ᐅᓕᑕᐅᓯᒪᔭᕆᐊᓖᑦ 1.8ᒦᑕᒥᒃ ᐃᔪᑎᒥᔪᒧᑦ). ᐅᓕᒃᑕᐅᓯᒪᓯᐊᕐᓱᐊᒪᕗᑕ ᐅᖓᑖᒍᑦ ᐊᕙᓗᐊᒍᓗ ᒪᕐᓗᑯᐃᑦ, ᓇᓗᓇᐃᑯᓯᕐᑕᐅᓚᐅᑐᑦ ᖃᖓᒍᑦ ᑐᐊᐸᓕᕐᓱᕐᓗᒍ ᓯᖃᓕᓯᒪᔪᕐᒥᑦ ᐅᓕᑕᐅᓗᓂ ᑕᑯᓴᐅᓂᐊᕐᒪᑦ ᑕᑯᓴᐅᓂᖓ ᐅᐊᓯᔭᐅᓗᓂ ᖃᓄᑎᕆ ᐃᔪᑎᕆᒪᕗᑦ ᖄᕐᐊᓯᐊ ᐃᓕᔭᐅᓯᒪᔪᖅ. ᐊᑐᓗᐊᕐᑯᓇᑕ, ᓵᕐᓂᕐᕙᖓ 2.5ᒦᑕᒥᒃ ᐃᑎᓂᓕᒃ ᐅᓕᖓ ᐃᓕᔭᐅᓚᐅᑐᖅ. ᐃᓚᒥᐊᐱᑦ 10 ᐊᔾᔪᐊᕐᑕᓕᒃ ᓴᐅᔭᐅᕙᓕᐊᑎᓗᖑ ᖃᓄᐃᓕᐅᓚᐅᒪᖔᑕ ᐊᒻᒪ ᓇᓗᓇᐃᑯᑕᐃ ᐃᓕᔭᐅᓚᐅᑐᑦ ᐅᐊᓯᔪᑎᒥᓂᐊᕐᑕᕗᑦ ᐊᒻᒪ ᓇᓗᓇᐃᓯᔪᑎᒥᓂᐊᕐᓗᒥᑦ ᐅᓕᖔᑕ ᐃᔪᓂᖓᓂᒃ.
5. ᑭᖑᓕᕐᐹᖅ ᐊᕿᓯᐃᓂᖅ ᑕᒻᒫᕐᕕᑎᓂ
   ᑕᒻᒫᕐᕕᕗᑦ ᐃᒍᑎᕐᑕᐅᒪᑦ ᓴᓗᒪᕐᓴᕐᑕᐅᓗᓂᓗ, ᓄᓇᖓ ᑐᐊᐸᓕᒃᓯᕐᑕᐅᓚᐅᑐᖅ ᐊᔾᔪᐊᖑᓂᒃ ᑐᐊᐸᒃᓴᔪᕐᒥᒃ ᓄᓇᖓ ᐅᔾᔭᕐᑯᓇᒧᑦ ᑭᓯᑐᖃᓚᐅᓯᒪᕐᑯᔾᔪᓂᕐᑯᓗᒍ. ᓲᕐᓗ ᓇᓗᓇᐃᓯᒪᖓᒪᑦ ᐅᑎᑎᑕᐅᓇᓱᓂᖓᑕ ᐸᕐᓇᐅᑎᖓᓂ, ᑕᒫᓂ ᐊᕙᑎᖓ, ᐊᔪᓇᖏᓚᖅ ᐅᔾᔭᕈᓂᕐᑎᓇᓱᒃᓗᒥᑦ ᑭᓯᐊᓂ, ᐄᔭᑎᐊᒪᓇᓚᒃᓴᐅᖏᑐᑦ ᑕᑯᓴᐅᔪᑦ ᐸᒃᕕᓵᕐᑕᐅᓂᕕᓂᖏᓂᒃ.

ᐸᕐᓇᒃᓯᒪᔪᒧᑦ ᑕᕙᓂ ᑭᖑᓕᕐᐹᖑᓂ ᒪᕈᓕᕿᐅᑉ ᖃᐅᔨᓴᕐᑕᐅᓂᒃᓴᖑᓂ ᔪᓚᐃ 2011ᖑᓕᕐᐸᑦ, ᑐᕐᖁᑎᐅᔪᖅ ᐅᕐᑯᒪᐃᑐᕐᓂᐅᑎᒧᑦ ᐊᕐᑯᑎᖃᓛᕐᑐᖅ, ᑭᓯᑐᐃᓇᕐᓂ ᐊᖏᔪᐊᓗᖏᑐᓂᒃ ᐊᑲᐅᖏᓕᐅᕈᑎᓂᒃ ᖃᐅᔨᔭᐅᔪᖃᐸᑦ ᑕᒪᕆᔪᓇᓛᕐᒪᕆᑦ. ᑎᒃᑯᑦ ᐊᕿᓯᓯᒪᓇᓱᖕᓂᐊᕐᑐᑦ ᐃᓄᓕᕆᔨᑐᖃᑯᑦ ᐅᓗᖏᓂᒃ ᓯᕗᓂᑐᖃᓂ ᐱᑎᑕᐅᓚᓗᐊᒪᕗᑦ ᐸᕐᓇᓯᒪᔭᖏᑦ ᐅᓪᓗᐃᑦ ᖃᐅᔨᒪᓛᒪᕆᑦ ᖃᐅᔨᓴᕆᐊᕐᑐᕆᐊᖃᓕᕐᐸᑕ ᐃᓄᓕᕆᔨᑐᖃᑯᑦ ᐱᕕᖃᕈᓇᕐᑯᓗᕆᑦ ᒪᕈᓕᕿᒥᕐᑯᓗᕆᑦ ᐊᑕᐅᑎᑯᑦ ᑕᐃᑲᓂᓗᑏᒃ ᑭᖑᓕᕐᐸᒥ ᖃᐅᔨᓴᕐᓂᕆᓂᐊᕐᑕᖏᓂ. ᑕᐃᒪ ᐅᒪ ᓯᕗᓂᐊᓂ ᐅᖃᓯᒪᔪᖃᓚᐅᒪᑦ, ᐸᕐᓇᓯᒪᔪᒧᑦ ᐅᒥᐊᕐᔪᐊᖅ ᒪᕈᓕᕿᒧᕐᑯᓗᖑ ᐊᒐᓯᐅᑉ ᓄᖑᐊᓂ ᐅᕙᓗᓃᑦ ᓯᑎᐱᕆᐅᑉ ᐱᒥᐊᕐᓂᖓᓂ 2011ᖑᓕᕐᐸᑦ ᑕᐃᑯᐊ ᐊᒥᐊᑯᖏᑦ ᑕᐃᑲᓂᑐᑦ ᐅᕐᑯᒪᐃᑐᓂᐅᑏᓗᓃᑦ ᐊᓯᖏᓗᓃᑦ ᑕᐃᑲᓂ ᐊᒥᐊᑯᔪᑦ ᐊᐅᓚᐅᔭᐅᔪᓇᕐᑯᓗᕆᑦ.

7. ᓇᓚᐅᑖᕐᑕᐅᓯᒪᔪᑦ ᐊᒥᐊᑯᕐᒋᑦ ᑭᓇᐅᔭᐃᑦ ᐊᑐᕐᑕᐅᔭᕆᐊᓖᑦ

ᐃᓚᐅᖃᑕᐅᔪᖅ ᐃᓚᒋᐊᕿᑦ 11ᒥ ᐱᖓᔪᖓᑦ ᑎᓴᒪᐃᓕᖃᖓᔪᑦ ᓄᑕᐅᓕᕐᑕᐅᓯᒪᔪᖅ ᒪᕈᓕᕿᐅᑉ ᐅᔭᕋᓯᐅᕐᕕᖓᑕ ᐃᑯᑎᕐᑕᐅᓂᖓ, ᖃᓄᐃᑐᓂᕕᓂᖓᓄᑦ ᐅᑎᑎᑕᐅᓇᓱᖕᓂᖓ ᐊᒪᓗ ᐅᐊᓯᔭᐅᓂᖓ ᖃᓄᐃᓕᖓᓕᒪᖖᑦ - ᑭᓇᐅᔭᐃᑦ ᐊᑐᕐᑕᐅᓚᑖᕐᓯᒪᔪᑦ ᐊᒪᓗ ᖃᓯᕋᓂᐊᕋᓱᒋᔭᐅᓂᖓ ᐊᒥᐊᑯᐊ ᑭᓇᐅᔭᐃᑦ ᐊᑐᕐᑕᐅᓂᐊᕐᓂᖏᑦ ᑭᐳᒥᓕᕐᑐᑦ. ᐃᒪᕐᒧᑦ ᐱᔪᓇᐅᑎᒃ ᐊᒪᓗ ᖃᓄᐃᑐᓂᖓᓄᑦ ᐅᑎᑎᑕᐅᓂᖓᑕ ᐊᖏᑕᐅᓯᒪᔭᖏᑦ ᐱᔭᕆᐊᖃᑎᓯᔪᑦ ᐊᕿᓱᕐᑕᐅᓚᐅᕐᑐᕐᒥᒃ ᓯᕗᓕᕐᕚᕐᒥ ᑭᓇᐅᔭᐃᑦ ᖃᓲᑦ ᓂᕆᐅᒋᔭᐅᒪᖖᑕ ᐊᑐᕐᑕᐅᓂᐊᕋᓱᒋᔭᐅᒪᖖᑕᓗᓃᑦ ᐊᑐᖅᑯᔭᐅᓗᓂ ᑕᒪᑐᒧᖓ ᑭᓇᐅᔭᕐᓂ ᐊᑐᕐᓂᖏᑕ ᐅᓂᖄᖓᓄᑦ. ᐱᔪᑎᓗᐊᑕᖓ ᐅᒪ ᐅᓂᖄᑉ ᑎᒃᑯᑦ ᖃᓯᓂᒃ ᐊᑐᓂᐊᕋᓱᒋᒪᖖᑕ ᐱᔭᕆᑕᐅᓇᓱᓂᐊᕐᑎᓗᒍ ᖃᓄᐃᑐᓂᕕᓂᖏᓄᑦ ᐅᑎᑎᑕᐅᓇᓱᓂᖓ ᐊᒪᓗ ᐅᐊᓯᓂᒧᑦ ᑲᔪᓯᑎᑕᐅᔪᑦ. ᑐᖓᕕᒋᓗᒍ ᖃᓯᕋᓂᐊᕋᓱᒋᔭᐅᓂᐊᒪᖖᑦ ᐃᓱᒪᒋᔭᐅᓚᐅᑐᖅ, ᑎᒃᑯᑦ ᓂᕆᐅᒃᑐᑦ ᐊᑭᒋᓂᐊᕐᑕᖓ ᐱᔭᕆᑕᐅᕐᑯᓗᖑ ᐱᓕᕆᐊᒃᓴᖅ/ᐅᐊᓯᓂᖅ ᒪᕈᓕᕿᒥ $463,000ᖑᓂᐊᕐᑐᖅ 2011ᖑᓕᕐᐸᑦ. ᓄᖑᐊᓂ 2011, ᑭᖑᓕᕐᐹᖓᓂ ᐊᐅᔭᑯᑦ ᐅᐊᓯᓂᖅ ᐱᔭᕆᑕᐅᓛᕐᑐᖅ; ᑕᒪᕐᒥᓕᒫᖅ ᑎᒃᑯᑦ ᐱᓕᕆᐊᖏᑦ ᒪᕈᓕᕿᒥ ᐱᔭᕆᑕᐅᓯᒪᓕᓛᕐᑐᑦ ᐃᓚᐅᓗᑎᒃ ᓴᓗᒪᕐᓴᐃᓂᖅ ᑕᐃᑲᓂᓗ ᐊᒥᐊᑯᕐᒋᑦ ᑭᓱᕈᓗᔭᐃᑦ ᑕᐃᑲᓂᑐᓂᕐᓗᑎᒃ.

APPENDIX 2

2010 3rd Quarter

Garrow Lake Effluent Discharge Monitoring

As Reported by

Azimuth Consulting Group

POLARIS MINE – 2010 3rd QUARTER MMER REPORT

APPENDIX A

i. Table 1. Effluent Metals Concentrations and Loadings
ii. Table 2. Results of Rainbow Trout and *Daphnia magna* Acute Lethality Tests
iii. Table 3. Water Chemistry Results for Garrow Creek Final Discharge Point, Garrow Bay (Exposure Station) and the Reference Station in Garrow Bay, Little Cornwallis Island, Nunavut, 2010

APPENDIX B

iv. Results of Effluent Characterization, as per Paragraph 15(1)(a)

APPENDIX C

i. Sampling Chronology for 2010 Polaris Program

APPENDIX D

i. Information specified by Section 8.1 of Reference Method EPS 1/Rm/13: 96 hr acute rainbow trout test

APPENDIX E

i. Information specified by Section 8.1 of Reference Method EPS 1/Rm/14: 48 hr acute *Daphnia magna* test

APPENDIX F

i. Information specified in Schedule 5 of the MMER (June 2002) for Reference Method EPAW 95-EPA West Coast: 7-day Topsmelt Survival and Growth Tests.

APPENDIX G

i. Information specified in Schedule 5 of the MMER (June 2002) for Reference Method EPS 1/Rm/27-EC: 92 hr Echinoderm (sand dollar) Fertilization Test

APPENDIX H

i. Information specified in Schedule 5 of the MMER (June 2002) for Reference Method EPA/600/4-91-003, Method 1009.0: Algae (*Champia parvula*) 7-day Sublethal Growth Tests

APPENDIX I

i. July Toxicity Testing Laboratory Report (Acute and Sublethal Tests)

APPENDIX J

ii. August Toxicity Testing Laboratory Report (Acute and Sublethal Tests)

APPENDIX A

i. Table 1. Effluent Metals Concentrations and Loadings
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2010 3rd QUARTER MMER REPORT

LOCATION - FINAL DISCHARGE POINT FROM GARROW LAKE (GARROW LAKE DAM SIPHONS)

Table 1a. CONCENTRATIONS OF EFFLUENT FOR MMER SCHEDULE 4 SAMPLED WEEKLY

Sample Taken During The Week of	Date Sample Taken	DELETERIOUS SUBSTANCE (mg/L)[1]											Collection Method
		Arsenic	Cadmium	Copper	Cyanide	Lead	Nickel	Mercury	Zinc	TSS	Radium 226[1]	pH[1]	
05-Jul-10	no sample[2]	-	-		-	-	-		-	-	-	-	-
12-Jul-10	16-Jul-10	*0.0005*	0.00009	0.0005	*0.005*	0.0017	0.0016	*0.00001*	0.015	*1.0*	*0.005*	7.86	Grab
19-Jul-10	no sample[3]	-	-	-	-	-	-	-	-	-	-	-	-
26-Jul-10	30-Jul-10	*0.0005*	0.00055	0.0005	*0.005*	0.0011	0.0066	*0.00001*	0.032	*1.0*	0.009	7.90	Grab
02-Aug-10	no sample[3]	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-10	13-Aug-10	*0.0005*	0.00030	0.0007	*0.005*	0.0020	0.0036	*0.00001*	0.069	2.0	*0.005*	7.97	Grab
16-Aug-10	23-Aug-10	*0.0005*	0.00045	0.0010	*0.005*	0.0002	0.0044	*0.00001*	0.098	2.0	0.007	8.02	Grab
23-Aug-10	27-Aug-10	*0.0005*	0.00045	0.0010	*0.005*	0.0002	0.0058	*0.00001*	0.088	*1.0*	*0.005*	8.10	Grab
30-Aug-10	2-Sep-06	*0.0005*	0.00055	0.0014	*0.005*	0.0023	0.0063	*0.00001*	0.087	2.0	0.006	8.02	Grab
06-Sep-10	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]
13-Sep-10	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]	nd[4]

Note - Cells with a ' - ' designation indiate that no sample was collected

Note[1] - All concentrations are in mg/L except Radium 226 which is Bq/L and pH which is in pH units

Note [2] - it was not possible to get a trained technician to sample during the week of July 5, 2010, so a sample could not be collected.

Note [3] - poor weather conditions precluded flying to site on schedule and there was no aircraft available once the weather cleared during the week of July 19, 2010 and August 2, 2010, so no samples were collected.

Note [4] - "nd" refers to no effluent discharge to sample; creek had frozen

Concentrations in red italicized font are less than the detection limit shown.

Table 1b. MONTHLY MEAN CONCENTRATIONS OF EFFLUENT FOR MMER SCHEDULE 4

MONTH OF	MONTHLY MEAN CONCENTRATION[1] (mg/L) OF DELETERIOUS SUBSTANCE[2]									
	Arsenic	Cadmium	Copper	Cyanide	Lead	Nickel	Mercury	Zinc	TSS	Radium 226
July/10	0.0005	0.0003	0.0005	0.0050	0.0014	0.0041	0.00001	0.0233	1.0	0.0070
August/10	0.0005	0.0004	0.0009	0.0050	0.0008	0.0046	0.00001	0.0850	1.7	0.0057
September/10	0.0005	0.0006	0.0014	0.0050	0.0023	0.0063	0.00001	0.0870	2.0	0.0060

Note[1] - All concentrations are in mg/L except Radium 226 which is Bq/L

Note[2] - Monthly Mean Concentrations - the MEAN value of the concentrations measured in all water samples collected during each month when a deleterious substance is deposited. Note that the DL concentration is used to calcluate loadings

Table 1c. MASS LOADING OF DELETERIOUS SUBSTANCE FOR EACH DAY SAMPLED

Sample Taken During The Week of	Date Sample Taken	DAILY MASS LOADING OF DELETERIOUS SUBSTANCE (kg/day)[1]										Average Daily Discharge (m^3/day)[4]
		Arsenic	Cadmium	Copper	Cyanide	Lead	Nickel	Mercury	Zinc	TSS	Radium 226[1]	
05-Jul-10	no sample[2]	-	-	-	-	-	-		-	-	-	-
12-Jul-10	16-Jul-10	0.006	0.001	0.006	0.060	0.020	0.019	0.00012	0.174	12	60,000	12,000
19-Jul-10	no sample[3]	-	-	-	-	-	-	-	-	-	-	-
26-Jul-10	30-Jul-10	0.007	0.007	0.007	0.066	0.015	0.087	0.00013	0.423	13	119,070	13,230
02-Aug-10	no sample[3]	-	-	-	-	-	-	-	-	-	-	-
09-Aug-10	13-Aug-10	0.005	0.003	0.007	0.050	0.020	0.036	0.00010	0.695	20	50,395	10,079
16-Aug-10	23-Aug-10	0.005	0.005	0.011	0.054	0.002	0.047	0.00011	1.056	22	75,418	10,774
23-Aug-10	27-Aug-10	0.006	0.006	0.012	0.062	0.002	0.072	0.00012	1.087	12	61,785	12,357
30-Aug-10	2-Sep-06	0.005	0.006	0.014	0.051	0.024	0.065	0.00010	0.895	21	61,704	10,284
06-Sep-10	nd[4]	-	-		-	-	-		-	-	-	-
13-Sep-10	nd[4]	-	-		-	-	-		-	-	-	-

Note[1] - Mass Loading is in kilograms per day of the deleterious substance deposited except Radium 226 which is in Bq per day. The [DL] was used to calcluate loadings.

Note [2] - No trained technician was available during the weeks of July 5 and 12, 2010, so a sample could not be collected.

Note [3] - "nd" refers to no effluent discharge to sample. Freeze-up of Garrow Creek occurred sometime during the first week of September 2010

Note [4] - Discharge could not be measured on 16 July because of a faulty meter but was estimated at 12,000 m3/d; flow velocity on 30 July was estimated using a stick and multiplied by channel depths to derive discharge.

Table 1d. MASS LOADING PER CALENDAR MONTH FOR EACH DELETERIOUS SUBSTANCE

CALENDAR MONTH OF	MASS LOADING[1] FOR DELETERIOUS SUBSTANCE (kg/month)[2]										Average Weekly Discharge (m^3/week)	Total Monthly Discharge (m^3/month)[4]
	Arsenic	Copper		Cyanide	Lead	Nickel	Mercury	Zinc	TSS	Radium 226[2]		
July/10	0.20	0.13	0.21	1.96	0.54	1.65	0.00391	9.26	391.07	2,775,585	88,305	391,065
August/10	0.17	0.14	0.31	1.72	0.26	1.60	0.00343	29.33	558.65	1,938,513	77,490	343,170
September/10	0.04	0.04	0.10	0.36	0.17	0.45	0.00	6.26	143.98	431,928	71,988	71,988

Note[1] - Total Mass Loading for Calendar month calculated by multiplying the Average Daily Mass Loading for the Month x # days in the month

Note[2] - Mass loading units are in kg per month except Radium 226, which is in Bq per month

Note[3] - Average Weekly Discharge calculated by multiplying Average Daily Flow Rate x 7 days per week

Note[4] - Total Monthly discharge volume calculated by multiplying Average Daily Discharge for the month x days in month; Only 7 days used for September because of freeze-up

Table 2

RESULTS OF ACUTE LETHALITY TESTS AND
DAPHNIA MAGNA MONITORING TESTS

Date Sample Collected	Effluent Acutely Lethal to Rainbow Trout (yes or no)	Effluent Acutely Lethal to *Daphnia magna* (yes or no)
16-Jul-10	No	No
23-Aug-10	No[1]	No[1]

[1] August 23, 2010 - rainbow trout and daphnia tests were initiated outside holding times due to shipping delays from the remote mine location.

Non-compliance Information

If effluent was non-compliant with the aurthorized limits set out in Schedule4, indicate the cause(s) of non-compliance and remedial measures planned or implemented. Also indicate remedial meaures planned or implemented in response to the failure of acute lethality tests.

There were no non-compliant concentrations, and no failed acute lethality toxicity tests during the 2010 3rd Quarter for Polaris Mine.

Table 3. Water Chemistry from Garrow Creek Final Discharge Point (Garrow Lake Former Dam / Syphons), Garrow Bay (Esposure Station), and Reference Station in Garrow Bay, Little Cornwallis Island, Nunavut, 2010

FDP Coordinates:
Northing: 75°22'32"
Easting: 96°48'37"

		Garrow Creek Former Dam/Syphons (Final Discharge Point)						Garrow Bay - Exposure		Reference
										Reference* -
		Garrow Creek	Garrow Creek	Garrow Creek	Garrow Creek	Garrow Creek	Garrow Creek	Garrow Bay	Garrow Bay	Garrow Bay
		GC-071610	GC-073010	GC-081306	GC-082210	GC-082710	GC-090310	GB-071610	GB-082210	REF-082210
Parameters	**Units**	16-Jul-10	30-Jul-10	13-Aug-10	23-Aug-10	27-Aug-10	03-Sep-10	16-Jul-10	23-Aug-10	23-Aug-10
Nitrite (N)	mg/L	*<0.005 (1)*	n/m	n/m	*<0.005 (1)*	n/m	n/m	*<0.005 (1)*	*<0.005 (1)*	*<0.005 (1)*
Total Hardness (CaCO3)	mg/L	500	n/m	n/m	n/m	n/m	n/m	555	n/m	n/m
Nitrate (N)	mg/L	0.09	n/m	n/m	0.33	n/m	n/m	0.10	0.28	*<0.02*
Cyanide + Thiocyanate	mg/L	*<0.0005*	*<0.0005*	*<0.0005*	0.0016	0.0009	<0.0005	0.0010	0.0011	0.0007
Dissolved Hardness (CaCO3)	mg/L	471	2.47	5.57	1240	n/m	n/m	524	1400	4830
Salinity	g/L	2.06	n/m	n/m	6.64	7.30	7.54	2.41	6.94	29.0
Alkalinity (Total as CaCO3)	mg/L	53	n/m	n/m	110	n/m	n/m	57	100	100
Alkalinity (PP as CaCO3)	mg/L	*<0.5*	n/m	n/m	*<0.5*	n/m	n/m	*<0.5*	*<0.5*	*<0.5*
Bicarbonate (HCO3)	mg/L	64	n/m	n/m	130	n/m	n/m	70	130	120
Carbonate (CO3)	mg/L	*<0.5*	n/m	n/m	*<0.5*	n/m	n/m	*<0.5*	*<0.5*	*<0.5*
Hydroxide (OH)	mg/L	*<0.5*	n/m	n/m	*<0.5*	n/m	n/m	*<0.5*	*<0.5*	*<0.5*
Ammonia (N)	mg/L	*<0.005*	0.027	0.065	0.13 (2)	0.015	0.13 (2)	*<0.005*	0.15 (2)	0.19 (2)
Nitrate plus Nitrite (N)	mg/L	0.09 (1)	n/m	n/m	0.33 (1)	n/m	n/m	0.10 (1)	0.28 (1)	*<0.02 (1)*
Conductivity	uS/cm	3810	n/m	n/m	11800	n/m	n/m	4430	12300	45300
pH	pH Units	7.86	7.90	7.97	8.02	8.10	8.02	7.82	8.06	8.00
Total Suspended Solids	mg/L	*<1*	*<1*	2	2	1	2	2	2	7
Dissolved Calcium (Ca)	mg/L	44.8	n/m	n/m	109	n/m	n/m	49.0	114	310
Dissolved Magnesium (Mg)	mg/L	87.2	n/m	n/m	235	n/m	n/m	97.5	272	986
Total Aluminum (Al)	ug/L	*<10*	*<10*	*<10*	*<10*	*<10*	n/m	57	*<10*	*<10*
Total Antimony (Sb)	ug/L	*<0.5*	*<0.5*	*<0.5*	n/m	*<0.5*	n/m	*<0.5*	n/m	n/m
Total Arsenic (As)	ug/L	*<0.5*	*<0.5*	*<0.5*	*<0.5*	*<0.5*	*<0.5*	*<0.5*	*<0.5*	1.4
Total Barium (Ba)	ug/L	33	33	52	n/m	60	n/m	62	n/m	n/m
Total Beryllium (Be)	ug/L	*<1*	*<1*	*<1*	n/m	*<1*	n/m	*<1*	n/m	n/m
Total Bismuth (Bi)	ug/L	*<1*	*<1*	*<1*	n/m	*<1*	n/m	*<1*	n/m	n/m
Total Boron (B)	ug/L	383	448	628	n/m	1050	n/m	425	n/m	n/m
Total Cadmium (Cd)	ug/L	0.09	0.55	0.30	0.45	0.45	0.55	0.07	0.32	0.08
Total Chromium (Cr)	ug/L	*<0.5*	*<0.5*	0.6	n/m	*<0.5*	n/m	*<0.5*	n/m	n/m
Total Cobalt (Co)	ug/L	*<0.05*	*<0.1*	*<0.1*	n/m	*<0.1*	n/m	0.07	n/m	n/m
Total Copper (Cu)	ug/L	0.54	5.1	0.7	1.0	1.0	1.4	0.84	0.8	*<0.5*
Total Iron (Fe)	ug/L	4	10	8	2	2	n/m	81	4	3
Total Lead (Pb)	ug/L	0.17	1.1	0.2	0.2	0.2	2.3	0.40	*<0.1*	*<0.1*
Total Lithium (Li)	ug/L	31	26	51	n/m	96	n/m	32	n/m	n/m
Total Manganese (Mn)	ug/L	0.9	0.9	2.1	n/m	1.4	n/m	2.9	n/m	n/m
Total Mercury (Hg)	ug/L	*<0.3*	*<0.3*	*<0.3*	*<0.3*	*<0.3*	*<0.3*	*<0.3*	*<0.3*	*<0.3*
Total Nickel (Ni)	ug/L	1.57	1	2	5.8	3	n/m	1.96	5.6	0.4
Total Molybdenum (Mo)	ug/L	1	6.6	3.6	2	5.8	6.3	2	3	10
Total Phosphorus (P)	ug/L	*<50*	*<50*	*<50*	n/m	*<50*	n/m	*<50*	n/m	n/m
Total Selenium (Se)	ug/L	*<0.5*	*<0.5*	*<0.5*	n/m	*<0.5*	n/m	*<0.5*	n/m	n/m
Total Silicon (Si)	ug/L	223	181	407	n/m	422	n/m	291	n/m	n/m
Total Silver (Ag)	ug/L	*<0.05*	*<0.05*	*<0.05*	n/m	*<0.05*	n/m	*<0.05*	n/m	n/m
Total Strontium (Sr)	ug/L	754	845	1880	n/m	2640	n/m	826	n/m	n/m
Total Thallium (Tl)	ug/L	*<0.1*	*<0.1*	0.1	n/m	0.2	n/m	*<0.1*	n/m	n/m
Total Tin (Sn)	ug/L	*<1*	*<1*	*<1*	n/m	*<1*	n/m	*<1*	n/m	n/m
Total Titanium (Ti)	ug/L	*<10*	*<10*	*<10*	n/m	*<10*	n/m	*<10*	n/m	n/m
Total Zinc (Zn)	ug/L	14.5	0.33	0.90	98	1.25	n/m	11.7	68	*<1*

Parameters	Units	Garrow Creek Former Dam/Syphons (Final Discharge Point) Garrow Creek GC-071610 16-Jul-10	Garrow Creek GC-073010 30-Jul-10	Garrow Creek GC-081306 13-Aug-10	Garrow Creek GC-082210 23-Aug-10	Garrow Creek GC-082710 27-Aug-10	Garrow Creek GC-090310 03-Sep-10	Garrow Bay - Exposure Garrow Bay GB-071610 16-Jul-10	Garrow Bay GB-082210 23-Aug-10	Reference Reference* - Garrow Bay REF-082210 23-Aug-10
Total Uranium (U)	ug/L	0.55	*<10*	*<10*	n/m	*<10*	n/m	0.65	n/m	n/m
Total Vanadium (V)	ug/L	*<10*	32	69	n/m	88	87	*<10*	n/m	n/m
Total Calcium (Ca)	mg/L	48	56	103	129	148	143	54	120	402
Total Magnesium (Mg)	mg/L	92	101	231	295	336	309	102	308	1200
Total Potassium (K)	mg/L	20	25	49	n/m	75	75	23	n/m	n/m
Total Sodium (Na)	mg/L	627	651	1630	2200	2500	2330	706	2290	10400
Total Sulphur (S)	mg/L	72	90	217	n/m	271	248	82	n/m	n/m

(1) Samples arrived at laboratory passed recommended holding time.
(2) Detection limit raised due to matrix interference.
Values shown in red italicized font are less than the detection limit reported.
*Note the Reference Station was frozen during the July 16-10 sampling event.
n/m = not measured

APPENDIX B

Results of Effluent Characterization as per Paragraph 15(1)(a)

RESULTS OF EFFLUENT CHARACTERIZATION

AS PER PARAGRAPH 15(1)(a)

Six (6) MMER effluent samples were collected during the 3rd Quarter of 2010 between July 16, 2010 and September 2, 2010. Additional weekly sampling could not be attempted during the week of July 5 because there were no trained technicians available in Resolute Bay. Sampling was attempted during the weeks of July 19 and August 2, but weather conditions precluded flying during the scheduled event and no aircrafts were available to fly to Polaris Mine on Little Cornwallis Island from Resolute Bay once the weather cleared. Two of the six effluent samples were analyzed as “monthly/quarterly” samples and analyzed for a wider suite of elements, as per EEM guidance. During the “monthly/quarterly” sampling events in July and August, water samples were also collected for toxicity testing. Monthly loadings of metals to Garrow Bay were calculated based on average weekly discharge volumes from Garrow Lake to Garrow Bay via discharge from Garrow Creek.

Due to the remote, high Arctic location of the mine, travel into or out of Polaris can be hazardous due to weather conditions such as fog and snow. The mine ceased operations in 2005 and has no staff on-site and little infrastructure. Sampling is be conducted by a small, well trained crew that must fly into this remote site, weather and aircraft availability permitting. During 2010, there was only one aircraft available for flying from Resolute Bay to the Polaris mine site, and it was booked and used for other purposes, so flight rescheduling due to poor weather conditions was often not possible. As noted above, sampling could not be attempted on three occasions. The last sampling event was in early September. Another sampling event later in September was not attempted because the creek was starting to freeze during the September 2 sampling event.

There was no effluent discharge from Garrow Lake during the first, second and fourth quarters of 2010. There were no exceedences of any Schedule 4 discharge limits during the third quarter of 2010.

Water samples for acute and sublethal toxicity testing were collected by using a laboratory cleaned 1-L sampling bottle to fill the 20-L containers from about 20 m downstream of the historic dam location on Garrow Lake, within the main flow of the creek. Acute lethality toxicity samples (i.e., 96-hr Rainbow Trout and 48-hr *Daphnia magna*) were collected on July 16, 2010 and August 23, 2010. No sample could be collected in September because of freeze-up of the creek. Results of the acute toxicity tests revealed that there were no adverse effects observed in the two 96-hr rainbow trout toxicity tests. There were no effect observed in the 48-hr *Daphnia magna* toxicity tests collected in July, and the August test showed 60% survival in the 100% effluent concentration (there were no effects in all lower concentrations). LC_{50} values were >100% effluent for both species in both testing events.

Of the three sublethal tests, subtle effects were observed in the Echinoderm fertilization and *Champia* reproduction tests, and not the 7 day topsmelt growth and survival test. In the Echinoderm fertilization test, only the full strength effluent concentration produced a significantly lower fertilization ratio relative to the control group by about 40%. The IC25 was 67% and the IC50 was >100%. For the *Champia* test, there was 68% impairment to cystocarp production at the highest concentration only (66% effluent v/v) and the IC25 was 41.1% effluent v/v. Survival and growth of topsmelt larvae was high (>96%) and no different from the control, even at the highest concentration.

Zinc is the primary contaminant of potential concern (COPC) identified in mine effluent. Concentrations of zinc during 2010 averaged 65 μg/L and ranged between 15 and 87 μg/L. These values are well below the MMER effluent limit of 500 μg/L and similar to what has been measured in past year (e.g., 48 – 186 μg/L in 2003; 35 –

198 μg/L in 2004; 13 – 91 μg/L in 2005; 34 – 198 μg/L in 2006; and 17 – 52 μg/L in 2008). The 2010 values are within the range of what has been observed historically and indicates that basic chemistry of the effluent has not changed much. Concentrations are lower in spring, due to dilution by snowmelt and gradually increase through the summer and fall as the influence of snowmelt diminishes.

APPENDIX C

Polaris 2010 Sampling Event Chronology

Polaris 2010 - Sample Collection and Testing Chronology

Activities at the Polaris Mine site ceased in 2002 and the mine has been closed since 2005. During that time, Teck completed the MMER and Environmental Effects Monitoring (EEM) program. Polaris has now achieved "closed mine status" and there are no further monitoring or reporting requirements for Environment Canada. However, monitoring and reporting requirements to meet the terms and conditions of the Water License issued by the Nunavut Water Board are similar to MMER requirements. Monitoring activities at the Polaris Mine in 2010 were conducted to support the Nunavut Water Board License. Collection of chemistry and toxicity samples from the mine site was conducted by small field crews who flew into site from Resolute Bay on a weekly basis. Note that during the 2010 season, there was only one plane stationed in Resolute Bay that could fly to the Polaris site. The plane was booked/used for other purposes, so transport to the site was not possible during some weeks.

Date	Event Type	Observations/Comments
28-May-10	Garrow Lake	Winter sampling of Garrow Lake under ice conditions
early July	-	Flow initiated in Garrow Creek No trained staff available in Resolute Bay to collect sample.
Fri. Jul-16-10	Monthly/Quarterly[1]	Water chemistry sample collection from FDP (Garrow Creek) (no exceedance of Schedule 4 limits) and the exposure station (Garrow Bay). The reference station was frozen (Garrow Bay reference). Flow meter was damaged so discharge was estimated visually
	Acute Toxicity Sublethal Toxicity (2 tests)	Toxicity samples arrived at the Nautilus laboratory on Tuesday July 20, 2010. The samples were within holding times for the acute tests (*Daphnia magna* and Rainbow trout), but one day over holding times for the sublethal tests (Echinoderm and Topsmelt). The *Daphnia magna* test was initiated on July 20, 2010 and the Rainbow trout, Echinoderm and Topsmelt tests were initiated on Wednesday July 21, 2010 without incident. The sublethal Champia test was held off until the Aquatox laboratory could accomodate testing in August.
Fri. Jul-23-10	-	No sample - weather conditions prohibited flying to the site on schedule and there was no plane available to transport staff to the Polaris site once the weather had cleared.
Fri. Jul-30-10	Weekly	Water chemistry sample collection from FDP (Garrow Creek). No exceedances of Schedule 4 limits. Flow meter was damaged; discharge was measured using a stick test, combined with detailed depth data across the channel
Fri. Aug-06-10	-	No sample - weather conditions prohibited flying to the site on schedule and there was no plane available to transport staff to the Polaris site once the weather had cleared.
Fri. Aug-13-10	Weekly	Water chemistry sample collection from FDP (Garrow Creek). No exceedances of Schedule 4 limits.
Mon. Aug-23-10	Monthly/Quarterly	Water chemistry sample collection from FDP (Garrow Creek) (no exceedance of Schedule 4 limits), the exposure station (Garrow Bay) and the reference station (Garrow Bay reference).
	Acute Toxicity Sublethal (1 test)	Acute toxicity samples arrived at Nautilus laboratory on Tuesday August 31, 2010, due to shipping delays, which was three days outside of holding times. The Rainbow trout test was initiated on August 31, 2010 and the Daphnia test was initiated on September 1, 2010 without incident. The *Champia* sublethal sample arrived at Aquatox laboratory on Friday August 27, 2010, one day outside of the holding time. The test was initiated on August 27, 2010 without incident.
Fri. Aug-27-10	Weekly	Water chemistry sample collection from FDP (Garrow Creek). No exceedances of Schedule 4 limits.
Mon. Aug-30-10	Garrow Lake	Summer sampling of Garrow Lake.
Thu. Sep-02-10	Weekly	Water chemistry sample collection from FDP (Garrow Creek). No exceedances of Schedule 4 limits.
Fri. Sep-10-10	Freeze up	Last scheduled monthly/acute event was not conducted because Garrow Creek was beginning to freeze on the September 2, 2010 sample event and the weather was turning cold and snowing.

[1]"Monthly/Quarterly" sample events include a larger suite of parameters than "Weekly" samples.

APPENDIX D

96-h Acute Rainbow Trout Toxicity Test

Section 8.1.1 Effluent

i. Name & location of operation generating the effluent
   - Polaris Mine, Little Cornwallis Island, Nunavut
   - Final Discharge Point for Garrow Lake is geo referenced as 75° 22' 32" N, 97° 48' 37" W.

ii. Date & time of sampling
   - Samples for monthly acute toxicity testing were collected

   Test 1: Friday Jul 16, 2010 – 1200h
   Test 2: Monday Aug 23, 2010 – 0700h

iii. Type of sample
   - Final discharge point effluent water

iv. Brief description of sampling point
   - In Garrow Creek, 20m downstream of the discharge point from the former Garrow Lake dam

v. Sampling method
   - Samples were collected facing upstream
   - The water was collected between 5 and 10 cm below the surface to avoid and disturbance of the sediment.
   - A laboratory-cleaned 1-L sample bottle was triple rinsed with site water and used to fill the 20-L containers.
   - 2 x 20L sample bottles were filled

vi. Name of person submitting samples
   - Curtis Kidd (AECOM) Test 1, Test 2

vii. Labeling/coding of sample (Sample IDs)
   - Test 1 – GC-071610
   - Test 2 – GC-082310

viii. Date & time of sample receipt
   - Samples for sublethal toxicity testing were received:

     Test 1 – Tuesday Jul 20, 2010 – 1255h
     Test 2 – Tuesday Aug 31, 2010 – 1400h

ix. Temperature upon sample receipt at laboratory
   - Test 1: 7.8 °C
   - Test 2: 8.7 °C

Section 8.1.2 Test Facilities and Conditions

i. Test type & method
   - 96-hour Rainbow Trout LC_{50}

ii. Indications of deviations from requirements in Sections 2 to 7 of Method EPS 1/RM/13[1]
   - Test 1: No deviations from requirements
   - Test 2: Sample holding period of 5 days was exceeded as a result of time required to ship sample to lab

iii. Name and city of testing laboratory
- Nautilus Environmental, Burnaby, BC

iv. Source of test species
   - Trout Lodge, Sumner, WA

v. Percent mortality of fish in stock tank(s)
   - Test 1: 0%
   - Test 2: 0%

vi. Species of test organism

- Rainbow Trout (*Oncorhynchus mykiss*)

vii. Date and time for start of definitive test

- Test 1: July 21, 2010 – 1030h
- Test 2: August 31, 2010 – 1730h

viii. Person(s) performing the test and verifying the results

- Test 1: John Teahen, Andy Diewald, Armando Tang (QA/QC)
- Test 2: Josh Baker, John Teahen, Bonnie Lo, Armando Ta ng (QA/QC

ix. pH, temperature, dissolved oxygen, and conductivity of unadjusted, undiluted effluent

- Test 1: pH – 7.9, T - 15.5 °C, DO – 11.8 mg/L, C – 3800 μS/cm
- Test 2: pH – 7.8, T - 14.0 °C, DO – 9.8 mg/L, C – 11560 μS/cm

x. Confirmation that no adjustment of sample or solution pH occurred

- Test 1: No pH adjustment
- Test 2: No pH adjustment

xi. Indication of aeration of test solutions before introduction of fish

- Test 1: 6.5 ± 1 mL/min/L for 90mins
- Test 2: 6.5 ± 1 mL/min/L for 30mins

xii. Concentrations and volumes tested

- Concentrations (% effluent volume / total volume) tested and total volumes used were:
- Control (0%) - 10 L
- 6.25% - 10 L
- 12.5% - 10 L
- 25% - 10 L
- 50% - 10 L
- 100% - 10 L

xiii. Measurements of dissolved oxygen, pH and temperature

Sample Collection Date	Test Concentration (% v/v)	Temperature (0hr) (°C)	Temperature (96hr) (°C)	Dissolved Oxygen (0hr) (mg/L)	Dissolved Oxygen (96hr) (mg/L)	pH (0hr) pH units	pH (96hr) pH units	Conductivity (0hr) uS/cm
Test 1	0 (Control)	14.5	15.0	10.2	9.7	7.0	7.4	32
16-July-10	6.25	14.5	14.5	10.2	9.6	7.1	7.2	459
	12.5	14.5	14.5	10.2	9.8	7.2	7.2	578
	25	14.5	14.5	10.3	9.7	7.3	7.3	964
	50	14.5	14.5	10.3	9.8	7.6	7.3	2030
	100	14.5	14.5	10.3	9.6	7.9	7.5	3880

Sample Collection Date	Test Concentration (% v/v)	Temperature (0hr) (°C)	Temperature (96hr) (°C)	Dissolved Oxygen (0hr) (mg/L)	Dissolved Oxygen (96hr) (mg/L)	pH (0hr) pH units	pH (96hr) pH units	Conductivity (0hr) uS/cm
Test 2	0 (Control)	14.5	14.5	10.1	9.8	6.9	7.2	34
23-Aug-10	6.25	14.3	14.5	10.1	9.7	7.0	7.3	585
	12.5	14.2	14.5	9.9	9.8	7.2	7.2	1596
	25	14.1	14.5	9.9	9.8	7.6	7.6	3380
	50	14.0	14.5	9.9	9.7	7.7	7.7	7150
	100	14.0	14.5	9.8	9.9	7.8	7.8	11560

xiv. Number of fish added to each test vessel
- 10 fish/ 10L volume

xv. Mean and range of fork length of control fish at end of test
- Test 1: 38 mm (35 – 43)
- Test 2: 36 mm (29 – 44)

xvi. Mean wet weight of individual control fish at end of the test
- Test 1: 0.48 g (0.31 – 0.69)
- Test 2: 0.40 g (0.14 – 0.61)

xvii. Estimated loading density of fish in test solutions
- Test 1: 0.48 g/L
- Test 2: 0.40 g/L

Section 8.1.3 Results

i. Number of mortalities of fish in each test solution

Test 1:
- Control (0%) - 0
- 6.25% - 0
- 12.5% - 0
- 25% - 0
- 50% - 0
- 100% - 0

Test 2:
- Control (0%) - 0
- 6.25% - 0
- 12.5% - 0
- 25% - 0
- 50% - 0
- 100% - 0

ii. Number of control fish showing atypical/stressed behaviour
- None in either test

iii. Mean mortality rate in solutions of effluent and control water

Test 1
- Control (0%) - 0%
- 6.25% - 0%
- 12.5% - 0%
- 25% - 0%
- 50% - 0%
- 100% - 0%

Test 2:
- Control (0%) - 0%
- 6.25% - 0%
- 12.5% - 0%
- 25% - 0%
- 50% - 0%
- 100% - 0%

iv. Estimate of 96-h LC50 in multi-concentration tests

- Test 1: 96hr LC_{50} concentration > 100% effluent[2]
- Test 2: 96hr LC_{50} concentration > 100% effluent

v. Most recent 96-h LC50 for reference toxicity test(s)
- Reference toxicity tests for Toxicant: SDS
- Test 1 (June 21 2010) 96-h LC_{50} = 5.3 mg/L SDS, 95% CL = 4.3 – 6.6 mg/L
- Test 2: (August 23, 2010) 96-h LC_{50} = 5.3 mg/L SDS, 95% CL = 4.3 – 6.6 mg/L

vi. Reference toxicant warning limits (mean +/- 2SD range)
- Reference toxicity tests for Toxicant: SDS
- Test 1: 96-h LC_{50} = 5.2 (4.4 – 6.1) mg/L SDS
- Test 2: 96-h LC_{50} = 5.2 (4.4 – 6.1) mg/L SDS

APPENDIX E

48-h Acute *Daphnia magna* Toxicity Test

Section 8.1.1 Effluent

i. Name & location of operation generating the effluent
   - Polaris Mine, Little Cornwallis Island, Nunavut
   - Final Discharge Point for Garrow Lake is geo referenced as 75° 22’ 32” N, 97° 48’ 37” W.

ii. Date & time of sampling
   - Samples for monthly acute toxicity testing were collected
   - Test 1: Friday Jul 16, 2010 – 1200h
   - Test 2: Monday Aug 23, 2010 – 0700h

iii. Type of sample
   - Final discharge point effluent water

iv. Brief description of sampling point
   - In Garrow Creek, 20m downstream of the discharge point from the former Garrow Lake dam

v. Sampling method
   - Samples were collected facing upstream
   - The water was collected between 5 and 10 cm below the surface to avoid and disturbance of the sediment.
   - A laboratory-cleaned 1-L sample bottle was triple rinsed with site water and used to fill the 20-L containers.
   - 2 x 20L sample bottles were filled

vi. Name of person submitting samples
   - Curtis Kidd (AECOM) Test 1, Test 2

x. Labeling/coding of sample (Sample IDs)
   - Test 1 – GC-071610
   - Test 2 – GC-082310

xi. Date & time of sample receipt
   - Samples for sublethal toxicity testing were received:
     Test 1 – Tuesday Jul 20, 2010 – 1255h
     Test 2 – Tuesday Aug 31, 2010 – 1400h

xii. Temperature upon sample receipt at laboratory
   - Test 1: 7.8 °C

   i. Test 2: 8.7 °C

Section 8.1.2 Test Facilities and Conditions

ii. Test type & method
   - 48-hour *Daphnia magna* LC_{50}

iii. Indications of deviations from requirements in Sections 2 to 7 of Method EPS 1/RM/13
   - Test 1 and Test 2: No deviations from requirements

iv. Name and city of testing laboratory
   - Nautilus Environmental, Burnaby, BC

v. Species of test organism
   - *Daphnia magna*

vi. Date and time for start of definitive test
   - Test 1: July 20, 2010 – 1800h
   - Test 2: September 1, 2010 – 1015h

vii. Person(s) performing the test and verifying the results
   - Test 1: Jane Tsang, Armando Tang (QA/QC)
   - Test 2: Andy Diewald, Armando Tang (QA/QC)

viii. pH, temperature, dissolved oxygen, and conductivity of unadjusted, undiluted effluent
   - Test 1: pH – 8.1, T – 22.0 °C, DO – 10.8 mg/L, C – 3890 µmhos/cm

- Test 2: pH - 7.8, T – 20.0 °C, DO – 8.9 mg/L, C – 11740 μmhos/cm

ix. Confirmation that no adjustment of sample or solution pH occurred
- Test 1: No pH adjustment
- Test 2: No pH adjustment

x. Indication of any adjustment of hardness of effluent sample
- Test 1: No hardness adjustment (initial hardness = 2550 mg/L)
- Test 2: No hardness adjustment (initial hardness = 1400 mg/L)

xi. Indication of any aeration of sample
- Test 1: 25-50 mL/min/L for 5mins
- Test 2: None

xii. Concentrations and volumes tested
- Concentrations (% effluent volume / total volume) tested and total volumes used for Test 1 and Test 2 were:
- Control (0%) - 200 mL
- 6.25% - 200 mL
- 12.5% - 200 mL
- 25% - 200 mL
- 50% - 200 mL
- 100% - 200 mL

xiii. Measurements of dissolved oxygen, pH and temperature

Sample Collection Date	Test Concentration (% v/v)	Temperature (0hr) (°C)	Temperture (48 hr) (°C)	Dissolved Oxygen (0hr) (mg/L)	Dissolved Oxygen (48hr) (mg/L)	pH (0hr) pH units	pH (48hr) pH units	Conductivity (0hr) umhos/cm	Hardness (0hr) (mg/L)
Test 1	0 (Control)	22	20.5	8.3	8.5	8.1	8.1	388	100
21-Jul 10	6.25	22	20.0	8.3	8.6	8.1	8.1	626	
	12.5	22	20.0	8.4	8.6	8.1	8.1	860	
	25	22	20.5	8.8	8.6	8.0	8.0	1290	
	50	22	20.5	8.6	8.6	8.1	8.0	2130	
	100	22	20.5	8.7	8.6	8.0	7.8	3840	410
Test 2	0 (Control)	20	20	9.1	8.9	8.1	8.0	381	100
23-Aug-10	6.25	20	20	9.0	8.8	8.0	8.1	817	
	12.5	20	20	9.0	8.7	8.0	8.1	2110	
	25	20	20	8.9	8.6	7.9	8.0	3470	
	50	20	20	8.8	8.7	7.8	8.0	7160	
	100	21	20	8.9	8.7	7.8	8.0	11740	2550

xiv. Estimates of time to first brood, average number of neonates per brood, and percent mortality during the seven-day period prior to the test
- Test 1: 8 days to brood, 24 neonates/brood, 0% mortality in 7d prior to test
- Test 2: 11 days to brood, 27 neonates/brood, 10% mortality in 7d prior to test

xv. Number of neonates per test vessel and milliliters of solution per daphnid
- Methods for all tests and dilution series were the same:
- 10 neonates per vessel
- 200 mL of solution per vessel
- 20 mL of solution per daphnid

Section 8.1.3 Results

i. Number of dead and/or immobile daphnids in each test solution including controls
   - Results were the same for Test 1 and Test 2, except where noted
   - Control (0%) - 0 dead / immobile
   - 6.25% - 0 dead / immobile
   - 12.5% - 0 dead / immobile
   - 25% - 0 dead / immobile
   - 50% - 0 dead / immobile
   - 100% - 0 dead / immobile (Test 1); 4 dead / immobile (Test 2)

ii. For single-concentration test the number of daphnids dead in each of three replicate effluent solutions and in each of three replicate control solutions at end of test. Also report the mean value.
   - Single concentration test was not conducted, dilution series tests were conducted

iii. Estimate of 48-h LC50 and 95% confidence limits in multi-concentration tests, 48-h EC50 for immobilization and 95% confidence limits, indication of statistical method on which results are based.
   - Test 1: 48-h LC_{50} = > 100% effluent; EC50 >100% (only reported if observed); statistical method not applicable due to lack of toxicity
   - Test 2: 48-h LC_{50} = > 100% effluent EC50 >100% (only reported if observed); statistical method not applicable due to lack of toxicity

iv. Most recent 48-h LC50 for reference toxicant test(s), reference chemical(s), date test initiated, historic geometric mean LC50 and warning limits.
   - Reference toxicity tests for Toxicant: NaCl
   - Test 1: (Jul-28-10) 48-h LC_{50} = 3.9 g/L NaCl, 95% CL = 3.2 – 4.9 g/L
   - Test 2: (Aug-26-10) 48-h LC_{50} = 3.9 g/L NaCl, 95% CL = 3.2 – 4.9 g/L

v. Reference toxicant warning limits (mean +/- 2 SD)
   - Reference toxicity tests for Toxicant: NaCl
   - Test 1: 48-h LC_{50} = 4.0 (3.5 – 4.6) g/L NaCl
   - Test 2: 48-h LC_{50} = 4.0 (3.6 – 4.6) g/L NaCl

APPENDIX F

7-d Topsmelt Growth and Survival Toxicity Test

Reporting Requirements for Reference Method EPAW 95-EPA West Coast (Topsmelt)

Effluent Sample

i. Name & location of operation generating the effluent
   - Polaris Mine, Little Cornwallis Island, Nunavut
   - Final Discharge Point for Garrow Lake is geo referenced as 75° 22’ 32” N, 97° 48’ 37” W.

ii. Date & time of sampling
   - Samples for sublethal toxicity testing were collected:

   Friday Jul 16, 2010 – 1200h

iii. Type of sample
   - Final effluent water from final discharge point

iv. Brief description of sampling point
   - In Garrow Creek, 20m downstream of the discharge point from the former Garrow Lake dam

v. Sampling method
   - Samples were collected facing upstream
   - The water was collected between 5 and 10 cm below the surface to avoid and disturbance of the sediment.
   - A laboratory-cleaned 1-L sample bottle was triple rinsed with site water and used to fill the 20-L containers.
   - 2 x 20L sample bottles were filled

vi. Name of person submitting samples
   - Curtis Kidd (AECOM)

vii. **Labeling/coding of sample (Sample IDs)
   - GC-071610

viii. **Date & time of sample receipt

   Tuesday Jul 20, 2010 – 1255h

ix. **Temperature upon sample receipt at laboratory
   - 7.8 °C

Test Organisms Imported from External Supplier

i. Species of test organism
   - Topsmelt (*Atherinops affinis*)

ii. Name and city of testing laboratory
   - Nautilus Environmental, Burnaby, BC

iii. Source of test species
   - Aquatic Bio Systems (ABS), Fort Collins, Colorado

iv. Date test species acquired on
   - July 20, 2010

v. Indications of deviations from EC guidance on the importation of test organisms
   - No deviations from EC requirements

vi. Percent mortality of fish in 24-hour period preceding the test
   - <10% mortality

vii. Age at start of test
   - 13 days post-hatch

viii. Unusual appearance, behaviour, or treatment of larvae before their use in the test
   - None noted.

ix. Confirmation that larvae are actively feeding and swimbladders are not inflated
   - Larvae actively feeding and swimbladders not inflated

x. Confirmation that temperature change was <3°C and dissolved oxygen was maintained at >6mg/L during transport

- Temperature change was <2°C and dissolved oxygen supersaturated mg/L during transport

xi. Test organism acclimation rate at the testing laboratory
- Holding water conditions upon arrival were DO=11.1, pH = 7.0, T = 22°C
- Organisms were acclimated slowly overnight
- Addition of control seawater at intervals of 30 – 60min to reach acceptable conditions
- Organisms were acclimated to DO = 7.6 mg/L, salinity = 30ppt, T=20°C

Test Facilities and Conditions

i. Test type & method
- 7-day Topsmelt (*Atherinops affinis*) Survival and Growth Toxicity Test
- Static renewal
- Sample water was renewed daily
- Reference Method - EPA/600/R-95/136 (EPAW 95-EPA West Coast)

ii. **Dates or test days during test when subsamples or multiple samples were renewed
- Samples were renewed daily (Test Day 1,2,3,4,5,6)
- Test was conducted using a single sample for the duration of the test

iii. Indications of deviations from requirements in Sections 11 of Method EPA/600/R-95/136 (EPAW 95-EPA West Coast)
- No deviations from requirements
- Salinity controls were run

iv. Date and time for start of definitive test
- Wednesday July 21, 2010 – 1730h (3 day holding time was exceeded)

v. **Date for test completion
- July 28, 2010

vi. Test vessel description
- 350mL glass jar

vii. Person(s) performing the test and verifying the results
- Testing by Elysia Sum and Sarah McCabe; Statistics by Edmund Canaria; QA/QC by Armando Tang

viii. pH, temperature, dissolved oxygen, and salinity of unadjusted, undiluted effluent
- pH 8.3, T 16.50 °C, DO 10.8 mg/L, 2.0 ppt

ix. Confirmation that no adjustment of sample or solution pH occurred
- No pH adjustment

x. Indication of aeration of test solutions before introduction of fish
- No pre-aeration noted

xi. **Indication that EC guidance document for salinity adjustment was followed
- No deviations from EC guidance document for salinity adjustment of sample
- Instant Oceans salt was added to sample to salinity adjust to 30ppt and the sample allowed to equilibrate overnight

xii. Type and source of control/dilution water
- Control/dilution water was natural seawater from the Pacific Environmental Science Centre

xiii. Concentrations and volumes tested:
- Concentrations (% effluent volume / total volume) tested and total volumes used were:
  - Control (0%) - 200 mL
  - Salinity Control (0%) - 200mL
  - 6.25% - 200mL
  - 12.5% - 200mL
  - 25% - 200mL
  - 50% - 200mL

Reporting Requirements for Reference Method EPAW 95-EPA West Coast (Topsmelt)

- 100% - 200mL

xiv. Number of replicated per concentration
- 5 replicates per concentration

xv. Number of organisms added to each test vessel
- 5 fish per vessel

xvi. Manner and rate of exchange of test solutions
- Daily renewal

xvii. **Measurements of dissolved oxygen, pH and temperature, and salinity for each 24 hr period
- See pages 30 and 31 of the original laboratory report in Appendix H

Results

i. **Number and % of mortalities of fish in each test solution. Note that this data is presented in units of number of SURVIVORS and % MORTLITY. (Data is entered from original handwritten tables in lab reports)
- Totals from all 5 replicates are presented:

Concentration (% effluent v/v)	Replicate	Number of Survivors - Day of Test 1	2	3	4	5	6	7	% Mortality on the Day of Test 1	2	3	4	5	6	7
Control	A	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	B	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	C	4	4	4	4	4	4	4	20	0	0	0	0	0	0
	D	5	5	5	4	4	4	4	0	0	0	20	0	0	0
	E	5	5	5	5	5	5	5	0	0	0	0	0	0	0
Brine Control	A	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	B	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	C	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	D	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	E	5	5	5	5	5	5	5	0	0	0	0	0	0	0
6.25%	A	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	B	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	C	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	D	5	5	5	5	5	4	4	0	0	0	0	0	20	0
	E	5	5	5	5	5	5	5	0	0	0	0	0	0	0
12.5%	A	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	B	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	C	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	D	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	E	5	5	5	5	5	5	5	0	0	0	0	0	0	0
25%	A	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	B	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	C	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	D	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	E	5	5	5	5	5	5	5	0	0	0	0	0	0	0
50%	A	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	B	5	5	5	5	5	5	4	0	0	0	0	0	0	20
	C	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	D	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	E	5	5	5	5	5	5	5	0	0	0	0	0	0	0
100%	A	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	B	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	C	5	5	5	5	5	5	5	0	0	0	0	0	0	0

Reporting Requirements for Reference Method EPAW 95-EPA West Coast (Topsmelt)

Concentration (% effluent v/v)	Replicate	Number of Survivors - Day of Test 1	2	3	4	5	6	7	% Mortality on the Day of Test 1	2	3	4	5	6	7
	D	5	5	5	5	5	5	5	0	0	0	0	0	0	0
	E	5	5	5	5	5	5	5	0	0	0	0	0	0	0

ii. **Average dry weight (mg) per original fish in test vessel. No preservation of fish was used. Fish were dried and then weighed.

- Mean dry weight (mg) of each replicate and overall means are presented:

Concentration (% effluent v/v)	Replicate 1	2	3	4	5	Overall Mean	Standard Deviation
Neg Control (0%)	2.138	2.414	2.640	2.196	1.708	2.2192	0.3477
Salinity Control	2.464	2.342	1.982	1.295	2.266	2.0699	0.4680
6.25%	2.728	2.372	2.098	1.204	2.174	2.1152	0.5847
12.5%	2.182	1.680	2.600	3.102	3.224	2.5576	0.6430
25%	2.482	2.548	2.156	2.880	3.858	2.7848	0.6527
50%	2.822	1.492	2.500	2.728	2.324	2.3732	0.5297
100%	2.352	2.940	3.012	2.912	2.288	2.7008	0.3502

iii. Estimate of 7-d LC_{50} (95% CL)

- 7-d LC_{50} concentration > 100% effluent
- Quantal statistic methods not required

iv. Estimate of 7-d IC_{25} (95% CL) for growth

- 7-d IC_{25} concentration > 100%

v. Current reference toxicity tests (95% CL) for 7-d LC_{50} for survival and 7-d IC_{50} for growth

- Reference toxicity tests for Toxicant: Copper
  - Test conducted on July 21, 2010, same day as effluent test
  - Reference toxicant test was conducted on the same batch of externally supplied topsmelt used in the effluent test and under the same experimental conditions as the effluent test
  - 7-d LC_{50} survival = 57mg/L Cu, 95% CL = 44-74mg/L
  - 7-d IC_{50} growth = 57mg/L Cu, 95% CL = 0.6-300mg/L

vi. Reference toxicity warning limits (+/- SD) for 7-d LC_{50} for survival and 7-d IC_{50} for growth

- Reference toxicity tests for Toxicant: Copper
  - 7-d LC_{50} survival = 79 (50.2-126) mg/L Cu,
  - 7-d IC_{50} growth = 74 (44.8-121) mg/L Cu

APPENDIX G

10 min Echinoderm Fertilization Test

Reporting Requirements for Reference Method EPS1/RM/27-EC 92 (Sperm Cell)

Effluent Sample

i. Name & location of operation generating the effluent
   - Polaris Mine, Little Cornwallis Island, Nunavut
   - Final Discharge Point for Garrow Lake is geo referenced as 75° 22' 32" N, 97° 48' 37" W.

ii. Date & time of sampling
   - Samples for sublethal toxicity testing were collected:

   Friday Jul 16, 2010 – 1200h

iii. Type of sample
   - Final effluent water

iv. Brief description of sampling point
   - In Garrow Creek, 20m downstream of the discharge point at the former Garrow Lake dam

v. Sampling method
   - Samples were collected facing upstream
   - The water was collected between 5 and 10 cm below the surface to avoid and disturbance of the sediment.
   - A laboratory-cleaned 1-L sample bottle was triple rinsed with site water and used to fill the 20-L containers.
   - 2 x 20L sample bottles were filled

vi. Name of person submitting samples
   - Curtis Kidd (AECOM)

x. **Labeling/coding of sample (Sample IDs)
   - GC-071610

xi. **Date & time of sample receipt
   - Samples for sublethal toxicity testing were collected:

   Tuesday Jul 20, 2010 – 1255h

xii. **Temperature upon sample receipt at laboratory
   - 7.8 °C

Test Organisms

i. Species of test organism
   - Sandollar Echinoid (*Dendraster excentricus*)

ii. Name and city of testing laboratory
   - Nautilus Environmental, Burnaby, BC

iii. Source of test species
   - M-REP, Escondido, California
   - All adults providing gametes are from the same population and source
   - Gametes are spawned in-house at Nautilus Environmental

iv. Date test species acquired on
   - July 20, 2010

v. Holding time and conditions for adults
   - Adults received at the testing laboratory the day prior to test initiation and held at 4°C.

vi. Indications of deviations from EC guidance on the importation of test organisms
   - No deviations from EC requirements

vii. Weekly percent mortality of adults being held over 7d preceding test
   - <2% per day over the 7 days preceding the test

viii. Age of test organisms
   - < 4 hours after spawning

ix. **Unusual appearance, behaviour, or treatment of adults or gametes before test start, or anything unusual about the test
   - Organisms appear healthy, in good condition, nothing unusual about test organisms or test

Reporting Requirements for Reference Method EPS1/RM/27-EC 92 (Sperm Cell)

Test Facilities and Conditions

i. Test type & method
   - Echinoderm (*Dendraster excentricus*) Fertilization Toxicity Test
   - Static
   - Reference Method – EPS/1/RM/27 with 1997 amendments

ii. Test duration
   - 10:10 min (10min sperm + 10min sperm & egg)

iii. Date and time for start of definitive test
   - Wednesday July 21, 2010 – 1400h

iv. Test vessel description
   - 40mL glass vials

v. Person(s) performing the test and verifying the results
   - Testing by Josh Baker. Statistical analyses by Josh Baker. QA/QC reviewed by Armando Tang.

vi. Indication of rate and duration of pre-aeration of test solutions before initiation of test
   - No pre-aeration noted.

vii. Confirmation that no adjustment of sample or solution pH occurred
   - No pH adjustment

viii. Procedure for sample filtration
   - No sample filtration

ix. **Procedure for preparation of hypersaline brine (HSB) as per EC guidance document on salinity adjustment – July 1997
   - Hypersaline brine (HSB) was not used.

x. Procedure for salinity adjustment as per EC guidance document on salinity adjustment – July 1997
   - No deviations from EC guidance for salinity adjustment
   - salinity adjusted from 2 to 28 ppt

xi. Type and source of control/dilution water
   - Natural seawater from the Pacific Environmental Science Centre

xii. Concentrations and volumes tested
   - Concentrations (% effluent volume / total volume) tested and total volumes used were:
     - Control (0%) - 10mL
     - Salinity Control (0%) - 10mL
     - 6.25% - 10mL
     - 12.5% - 10mL
     - 25% - 10mL
     - 50% - 10mL
     - 100% - 10mL

xiii. Number of replicates per concentration
   - 4 replicates per treatment concentration

xiv. **Number of organisms per container
   - 2000 eggs per vessel (100 counted)

xv. Measurements of pH and dissolved oxygen in sample water before use
   - pH 8.4, DO 8.5

xvi. Measurements of pH, temperature, dissolved oxygen, and salinity during test
   - pH – 7.7-8.4, T - 15.0°C, DO - 8.2-8.5mg/L, salinity – 26-28ppt

Results

i. Number and % of fertilized eggs in each test concentration
   - (Number is equal to percent since totals were 100)

- Control (0%): #F = 64, 70, 63, 67 #UF = 36, 30, 37, 33
- Salinity Control: #F = 50, 45, 53, 56 #UF = 50, 55, 47, 44
- 6.25% #F = 74, 68, 70, 60 #UF = 26, 32, 30, 40
- 12.5%: #F = 61, 67, 71, 70 #UF = 39, 33, 29, 30
- 25%: #F = 78, 66, 64, 61 #UF = 22, 34, 36, 39
- 50%: #F = 61, 67, 66, 47 #UF = 39, 33, 34, 53
- 100%: #F = 45, 43, 28, 29 #UF = 55, 57, 72, 71

ii. **Estimate of IC_{25} (95% CL) for fertilization success

- IC_{25} concentration = 66.6 (42.6 – 83.1)% v/v effluent
- Quantitative statistic used to generate IC_{25} values was log-linear interpolation (200 resamples) calculated using CETIS version 1.7.0

iii. Current reference toxicity tests (95% CL) for IC_{50} for fertilization

- Reference toxicity tests for Toxicant: Copper
  - Test conducted on July 21, 2010, same day as effluent test
  - Reference test conducted under same conditions as test
  - IC_{50} for fertilization = 29.1 μg/L Cu, 95% CL = (25.5 – 31.6) μg/L

iv. Reference toxicant warning limits (+/- 2SD range) for IC_{50} for fertilization

- 4.1 – 59.3 μg/L Cu

APPENDIX H

7-d Sublethal *Champia* (Algae) Toxicity Test

Effluent Sample

i. Name & location of operation generating the effluent
   - Polaris Mine, Little Cornwallis Island, Nunavut
   - Final Discharge Point for Garrow Lake is geo referenced as 75° 22’ 32” N, 97° 48’ 37” W.

ii. Date & time of sampling
   - The sample for sublethal toxicity testing using *Champia* was collected:
     Aug 23, 2010 – 0700h

iii. Type of sample
   - Final effluent water

iv. Brief description of sampling point
   - In Garrow Creek, 20m downstream of the discharge point from the former Garrow Lake dam

v. Sampling method
   - Samples were collected facing upstream
   - The water was collected between 5 and 10 cm below the surface to avoid and disturbance of the sediment.
   - A laboratory-cleaned 1-L sample bottle was triple rinsed with site water and used to fill the 20-L containers.
   - 2 x 20L sample bottles were filled

vi. Name of person submitting samples
   - Curtis Kidd (AECOM)

vii. Temperature of water upon receipt at lab
   - 21°C

xiii. **Labeling/coding of sample (Sample IDs)
   - GC-082310

xiv. Date & time of sample receipt
   Aug 27, 2010 – 1350h

Test Organisms

i. Species of test organism
   - Algae (*Champia parvula*)

ii. Name and city of testing laboratory
   - Aquatox Testing and Consulting Inc, Guelph, ON

iii. Source of test species and health of organisms
   - Sexually mature male and female branches
   - Obtained from in house cultures
   - Appear in good health, with normal colouration and no signs of stress
   - Females have trichogynes, males have sori with spermatia

iv. **Any unusual appearance, behaviour, or treatment of test organisms, before their use in test
   - Nothing unusual about the tests

Test Facilities and Conditions

i. Test type & method
   - *Champia parvula* sexual reproduction test
   - Static, non-renewal
   - 2-day exposure, followed by 5-7 day recovery period for cystocarp development
   - Reference Method – EPA-821-R-02-014, Method 1009.0 with Canadian adaptations (Environment Canada 1998, 1999)

ii. Date and time for start of definitive test
   - August 27, 2010 17:15 h

xviii. **Date for test completion

- September 4, 2010

iii. Test vessel description

- 240mL polystyrene cups

iv. Person(s) performing the test and verifying the results

- Emilia Jonczyk, Martina Rendas

v. Indication of pre-aeration of test solutions

- Aeration for 3 hr and 5 mins

vi. Confirmation that no pH adjustment of sample or solution occurred

- No pH adjustment

vii. **Indication that EC guidance document for salinity adjustment was followed

    - No deviations from EC guidance document on preparation of hypersaline brine (May 2001)
    - HSB prepared by addition of Instant Ocean
    - No deviations from EC guidance document for salinity adjustment of sample
    - Salinity adjustment: 750mL effluent + 250mL HSB
    - Salinity of samples adjusted from 10ppt to 30ppt

viii. Type and source of control/dilution water

    - Natural seawater collected from Shediac Bay, NB
    - Filtered and autoclaved prior to use
    - Salinity adjusted as per EC guidance document to 30ppt with HSB

ix. **Type and quantity of any chemicals added to the control dilution water

- Test nutrients as described in Test Method EPA-821-R-02-014, Method 1009.0 were added at concentration of 10mL/L, analytical grade, 10mL added

x. Concentrations and volumes of test solutions

- Concentrations (% effluent volume / total volume) tested and total volumes used were:
    - Control (Natural Seawater) (0%) - 100mL, 5cm depth
    - Salinity Control Brine (0%) - 100mL, 5cm depth
    - 2.1% - 100mL, 5cm depth
    - 8.3% - 100mL, 5cm depth
    - 16.5% - 100mL, 5cm depth
    - 33.0% - 100mL, 5cm depth
    - 66.0% - 100mL, 5cm depth

xi. Number of replicated per concentration

- 3 replicates per concentration

xii. Number of organisms per test chamber

- 5 female branches + 2 male branches per chamber

xiii. Measurements of pH, temperature, dissolved oxygen, and salinity of sample before use

- pH - 7.9, T – 23.0 °C, DO – 8.6mg/L, salinity - 10ppt

xiv. **Measurements of pH, temperature, dissolved oxygen, and salinity of test solution and controls at 0hr, 48hr, and the beginning and end of recovery period

Concentration (% v/v)	Temperature (°C)				Dissolved Oxygen (mg/L)				pH (pH units)				Salinity (ppt)			
	Exposure		Recovery		Exposure		Recovery		Exposure		Recovery		Exposure		Recovery	
	0	48	0	End	0	48	0	end	0	48	0	end	0	48	0	end
Control-NSW[1]	23	23	23	23	7.1	7.0	6.9	6.5	7.7	9.0	7.7	8.3	30	30	30	30
Control-brine	23	23	23	23	7.1	7.0	6.9	6.5	7.8	9.0	7.7	8.5	30	30	30	30
A 66	23	23	23	23		7.1	6.9	6.6	8.0	9.1	7.7	8.4	30	30	30	30
C 16.5	23	23	23	23	7.1	7.1	6.9	6.5	7.7	9.0	7.7	8.3	30	30	30	30
E 4.1	23	23	23	23	7.1	7.0	6.9	6.5	7.6	9.0	7.7	8.3	30	30	30	30

[1]NSW = natural seawater

Results

i. Number and % mortality of female plants after recovery in each test solution

- Totals from all 3 replicates are presented:
    - Control (0%): 0 (0%) mortality
    - Salinity Control (0%): 0 (0%) mortality
    - 2.1% 0 (0%) mortality
    - 4.1%: 0 (0%) mortality
    - 8.3%: 0 (0%) mortality
    - 16.5%: 0 (0%) mortality
    - 33.0%: 0 (0%) mortality
    - 66.0%: 0 (0%) mortality

ii. **Mean number of cystocarps per plant in each replicate of each test concentration

- Test 3: (Replicates are A, B, and C)
    - Control (0%): A) 31.0, B) 34.8, C) 31.8
    - Salinity Control (0%): A) 38.0, B) 38.0, C) 32.4
    - 2.1% A) 38.0, B) 33.0, C) 33.2
    - 4.1%: A) 32.2, B) 34.4, C) 34.0
    - 8.3%: A) 37.6, B) 38.4, C) 38.4
    - 16.5%: A) 31.4, B) 33.8, C) 35.6
    - 33.0%: A) 32.6, B) 32.4, C) 34.8
    - 66.0%: A) 11.8, B) 12.6, C) 10.0

iii. **Estimate of IC_{25} (95% CL) for cystocarp development

- IC_{25} concentration = 41.1 (37.3 – 43.9)% effluent v/v
    - Quantal statistic method was linear interpolation determined using CETIS

iv. Current reference toxicity tests (95% CL) for IC_{50} for cystocarp development

- Test conducted on August 27, 2010, within 30 days of effluent test
    - Reference toxicant test was conducted under the same experimental conditions as the effluent test
    - IC_{50} cystocarp development = 0.097mg/L SDS, 95% CL = (0.088 – 0.107) mg/L

v. Reference toxicant warning limits (+/- 2SD) for IC_{50} for cystocarp development

- Reference toxicity tests for Toxicant: Sodium Dodecyl Sulfate
- 0.101 (0.070 – 0.145) mg/L SDS

This data can also be found in the original lab report in Appendix I.

APPENDIX I

July Toxicity Testing Laboratory Report (Acute and Sublethal Tests)

Toxicity Testing for Sample GC-071610, collected July 16, 2010

Final Report

Report date:
December 28, 2010

Submitted to:

Azimuth Consulting Group
Vancouver, BC

Burnaby Laboratory
8664 Commerce Court
Burnaby, BC
V5A 4N7

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1.0 INTRODUCTION

Nautilus Environmental conducted toxicity tests on a sample identified as GC-071610 collected on July 16, 2010 and delivered to the Nautilus Environmental Laboratory in Burnaby, BC on July 20, 2010. The sample was transported in two 20-L plastic containers inside coolers. The following toxicity tests were conducted on the sample:

- 96 hr acute toxicity test using rainbow trout (*Oncorhynchus mykiss*)
- 48 hr acute toxicity test using *Daphnia magna*
- 10 minute echinoderm fertilization test using the sand dollar (*Dendraster excentricus*)
- 7-day topsmelt (*Atherinops affinis*) survival and growth test

All of the toxicity tests were initiated on July 21, with the exception of the test using *Daphnia*, which was initiated on July 20. This report summarizes the results of the toxicity tests; copies of raw laboratory data sheets and statistical analysis for the rainbow trout, *Daphnia*, echinoderm and topsmelt tests are provided in Appendices A, B C and D, respectively. The chain of custody form is provided in Appendix E. The results presented herein relate only to the sample tested.

2.0 METHODS

2.1 Toxicity Tests

Methods for the toxicity tests are summarized in Tables 1 through 3 and are briefly described in Sections 2.1.1 to 2.1.3. Statistical analyses were performed using CETIS (Tidepool Scientific Software).

2.1.1 Acute toxicity tests using rainbow trout and *Daphnia magna*

Acute toxicity tests using rainbow trout and *Daphnia magna* were conducted following Environment Canada (2000a and b) procedures, as summarized in Table 1. These tests involve a 96 and 48-hr exposure period, respectively, in which the organisms are exposed to the sample under static conditions using a single replicate of ten organisms for each test concentration. Water quality parameters (dissolved oxygen, pH, and temperature) were measured at 24 hr intervals throughout the tests. The endpoint from this test was percent survival at the end of the exposure and the test acceptance criterion for control performance ≥90% organisms that both survived and were not exhibiting signs of stress.

Table 1. Summary of test conditions: acute tests using rainbow trout and *Daphnia magna*.

Test species	Rainbow trout	*Daphnia magna*
Test type	96 hr static	48 hr static
Endpoints	Survival	Survival
Organism source	Fraser Valley Trout Hatchery	In-house culture
Organism age	Fry – 0.3 – 0.6 g	< 24 hr old
Feeding	None	None
Test chamber	15-L glass aquaria	300 mL glass
Test volume	10 L	200 mL
Test temperature	15 ± 1°C	20 ± 2°C
Control water	Dechlorinated municipal tapwater	Moderately hard synthetic water,
Organisms/replicate	10	10
Number of replicates	1	1
Photoperiod	16 hours light/8 hours dark	16 hours light/8 hours dark
Aeration	Continuous	None
Reference toxicant	SDS	NaCl
Acceptability criterion for controls	≥90% survival	≥90% survival

Reference toxicant tests were conducted rainbow trout and *Daphnia* using SDS and NaCl as the toxicant, respectively. The results were compared to historical data to assess the health and sensitivity of the organisms.

2.1.2 10 min echinoderm fertilization test

Echinoderm fertilization tests were conducted using the sand dollar, *D. excentricus*, obtained from M-REP (Carlsbad, CA). Tests were performed according to procedures described in Environment Canada (1992) and summarized in Table 2.

Four replicates were evaluated for each test concentration, each containing 10 mL of sample. The laboratory control consisted of clean seawater. The salinity of the sample was adjusted using Instant Oceans salt. Water quality parameters (dissolved oxygen, pH, salinity and temperature) were measured prior to initiating the tests. Gametes were obtained by injection of gravid adult sand dollars with 0.5 M potassium chloride. The quality of gametes was evaluated under a microscope prior to use. High quality eggs were pooled and adjusted to achieve a density of 2000 eggs per mL. Sperm was collected from male sand dollars and stored chilled until ready for use. Prior to initiating the test, a pre-trial test was conducted to determine the optimal sperm-to-egg ratio to use in the definitive test. The optimal sperm-to-egg ratio was determined as the concentration of sperm required to achieve between 70 and 90% fertilization.

To initiate the test, 0.1 mL of the appropriate sperm concentration was added to the test vials. After a 10 min exposure period, 1 mL of the 2000 eggs/mL stock was added to the vials containing sperm and left to fertilize for 10 min. After 10 min, the sperm/eggs solutions were preserved in 10% buffered formalin and were subsequently evaluated under a microscope to determine the percentage of fertilized eggs. The endpoint indicating fertilization success was formation of a fertilization membrane around the eggs. The test acceptance criterion was ≥50 and <100% fertilization in the control seawater.

A reference toxicant test was conducted in conjunction with the fertilization test using copper. The results of this test were compared with historical data to determine whether the organisms used in the toxicity test were within the range of acceptable quality and sensitivity.

2.1.3 7-d topsmelt survival and growth test

The topsmelt (*A. affinis*) survival and growth test was conducted according to US EPA (1995) methods; these methods are summarized in Table 4. The endpoints were survival and growth (dry weight) at the end of the 7-d exposure period. The salinity of the samplewas adjusted to 30 ppt using Instant Ocean salt and full-strength sample was used as the highest test concentration, and the remaining concentrations were prepared following a 0.5 X dilution factor. A dilution water (natural seawater) control was also tested concurrently with the samples. Testing was conducted in 200 mL volumes in 375 mL glass jars using five replicates per concentration.

Five 13-day old larvae were exposed in each replicate. The test was conducted at 20 ± 1°C under a 16:8 h light:dark photoperiod. Temperature, DO, and salinity were recorded daily throughout exposure. At the end of the 7-d exposure period, survival was scored and surviving larvae were dried in an oven overnight, prior to measuring dry weight. The IC50 and IC25 values (with 95% confidence limits) were calculated for the dry weight endpoint.

For a valid test, the negative control survival must be ≥80%. A reference toxicant test using copper was conducted concurrently and compared to historical data to assess the health and sensitivity of the organisms.

Table 2. Summary of conditions for the 10-min echinoderm fertilization test.

Test organism	*Dendraster excentricus*
Test organism source	M-REP, Carlsbad, CA
Test organism age	< 3 hours post gamete collection
Test type	Static
Test duration	10 min sperm exposure; 10 min egg fertilization
Test chamber	30-mL glass vials
Test solution volume	10 mL
Test concentrations (% sample)	100, 50, 25, 12.5 and 6.25%, plus seawater control
Number of replicates	4
Dilution water	Natural clean seawater
Test solution renewal	None
Test temperature	15 ± 1°C
Salinity	30 ± 2 ppt
Salinity adjustment	Instant Oceans salt
Number of organisms/chamber	2000 eggs
Feeding	None
Light intensity	100 to 500 lux
Aeration	None
Test protocol	Environment Canada (1992), EPS 1/RM/27
Test endpoint	Fertilization
Test acceptability criterion for controls	≥ 50% and < 100% fertilization
Reference toxicant	Copper

Table 3. Summary of conditions for the 7-d topsmelt survival and growth test.

Test organism	*Atherinops affinis*
Test organism source	Aquatic Biosystems, Fort Collins CO
Test organism age	11 days old
Test type	Static renewal with daily renewal
Test duration	7 days
Test chamber	375-mL glass jars
Test solution volume	200 mL
Test concentrations (% sample)	100, 50, 25, 12.5, 6.25%, plus seawater control
Number of replicates	5
Dilution water	Natural clean seawater
Test temperature	20 ± 1°C
Salinity	30 ± 2 ppt
Salinity adjustment	None
Number of organisms/chamber	5
Feeding	*Artemia* nauplii daily
Aeration	None
Test protocol	USEPA (1995), EPA/600/R-95-136
Test endpoint	Survival and growth
Test acceptability criterion for controls	80% survival
Reference toxicant	Copper

2.2 Quality Assurance/Quality Control (QA/QC)

Nautilus follows a comprehensive QA/QC program to ensure that the data generated are of high quality and scientifically defensible. To meet these objectives, Nautilus has implemented a number of quality control procedures that include the following:

- Negative controls to ensure that appropriate testing performance criteria are met;
- Positive controls to assess the health and sensitivity of the test organisms;
- Use of appropriate species and life stage to meet the study objectives;
- Appropriate number of replicates to allow for proper statistical analyses;
- Calibration and proper maintenance of instruments to ensure accurate measurements;
- Proper documentation and record-keeping to allow traceability of performance;
- Adequate supervision and training of staff to ensure that methods are followed;

- Proper handling and storage of samples to ensure their integrity;
- Procedures in place to address issues that may arise during testing and ensure the implementation of appropriate corrective actions; and
- Review of data by a Registered Professional Biologist to ensure they are of acceptable quality and are scientifically defensible prior to releasing to the client.

3.0 RESULTS AND DISCUSSION

The results of acute toxicity tests using rainbow trout and *Daphnia magna* are shown in Table 4. There were no adverse effects in either of these tests, resulting in LC50 estimates of >100%.

Adverse effects on fertilization of sand dollar eggs were observed in the full-strength sample, but not the dilutions of the sample. The IC25 for fertilization success was 66.6% sample, and the IC50 was >100% sample.

There were no adverse effects observed in the test using topsmelt, resulting in an IC25 of >100% for this species.

Table 4. Results of acute toxicity tests, presented as percent survival.

Percent sample	Rainbow trout	*Daphnia magna*
Control	100	100
6.25	100	100
12.5	100	100
25	100	100
50	100	100
100	100	100
LC50	>100%	>100%

Table 5. Toxicity test results for the 10-min echinoderm fertilization test.

Concentration (% v/v)	Fertilized eggs (%) (Mean ± SD)
Negative Control	66.0 ± 3.2
Salt Control	51.0 ± 4.7 *
6.25	68.0 ± 5.9
12.5	67.2 ± 4.5
25	67.2 ± 7.5
50	60.2 ± 9.2
100	36.2 ± 9.0 *
Test endpoint	**(% v/v)**
IC25 (95% confidence limits	66.6 (42.6 – 83.1)
IC50	> 100

* indicates significant difference relative to the Negative Control
IC = Inhibition Concentration.
SD = Standard Deviation.

Table 6. Toxicity test results for the 7-d topsmelt survival and growth test.

Concentration (% v/v)	Survival (%) (Mean ± SD)	Growth (mg) (Mean ± SD)
Negative Control	100.0 ± 0.0	2.22 ± 0.35
Salt Control	100.0 ± 0.0	2.07 ± 0.47
6.25	96.0± 8.9	2.12 ± 0.56
12.5	100.0 ± 0.0	2.56 ± 0.64
25	100.0 ± 0.0	2.78 ± 0.65
50	96.0± 8.9	2.37 ± 0.53
100	100.0 ± 0.0	2.70 ± 0.35
Test endpoint	**(% v/v)**	**(% v/v)**
LC25 (survival); IC25 (growth)	>100	>100
LC50 (survival); IC50 (growth)	>100	>100

LC = Lethal Concentration.
IC = Inhibition Concentration
SD = Standard Deviation.

3.1 Quality Assurance/Quality Control

Sample holding time of 72 hr was exceeded for the topsmelt and echinoderm test as a result of extended shipping time required to get the sample from the site to the laboratory. The tests were conducted, regardless, according to instruction provided by Azimuth. The toxicity tests conducted using rainbow trout and *Daphnia magna* were conducted within the five-day holding time specified for these tests.

The tests met all control acceptability criteria and water quality parameters remained within acceptable ranges throughout the test, with the exception of the salinity in the echinoderm test, which ranged from 26 to 28 ppt, as a result of use of a natural seawater control with a salinity of 26 ppt, which is outside the range of 30 ± 2 ppt specified in the protocol. This deviation is not expected to have impacted the findings of the test since this falls within the range of salinity tolerated by this species.

Uncertainty associated with this test is best described by the confidence intervals around the IC25 and IC50 estimates.

The salt-adjusted control (Instant Ocean salt added into deionized water) in the echinoderm test resulted in a fertilization rate of 51%, compared to 66% in the regular control. This value represents a 23% reduction in fertilization success relative to the control and, consequently, the salt adjustment may have contributed to the adverse effect observed in the sample, which exhibited a 45% reduction in fertilization success compared to the control. However, both the regular control and the salt-adjusted control met the requirements for acceptable test performance.

Results of the reference toxicant tests conducted during the testing program are summarized in Table 10. The results of these tests all fell within the acceptable range of historical test results.

Table 7. Reference toxicant test results.

Species	Endpoint	Result	Historical range (µg/L Cu)	CV(%)	Initiation Date
Rainbow trout	Survival (LC50)	5.3 mg/L SDS	4.4 – 6.1	9	21/6/10
D. magna	Survival (LC50)	3.9 mg/L NaCl	3.5 – 4.6	7	28/7/10
A. affinis	Biomass (IC50)	57.2 µg/L Cu	44.8 – 121.0	28.0	21/7/10
D. excentricus	Fertilization (IC50)	29.1 µg/L Cu	4.1 – 59.3	94.8	21/7/10

4.0 REFERENCES

Environment Canada. 2000a. Biological test method: reference method for determining acute lethality of effluents to rainbow trout. Report EPS 1/RM/13, Second Edition. Environment Canada, Science and Technology Branch, Ottawa, ON.

Environment Canada. 2000b. Biological test method: reference method for determining acute lethality of effluents to *Daphnia magna*. Report EPS 1/RM/14, Second Edition. Environment Canada, Science and Technology Branch, Ottawa, ON.

Environment Canada. 1992. Biological test method: Fertilization assay using echinoids (sea urchins and sand dollar). Environmental Protection Series EPS 1/RM/27. December 1992. Environment Canada, Method Development and Application Section, Environmental Technology Centre, Ottawa, ON. 97 pp.

Tidepool Scientific Software. 2007. CETIS comprehensive environmental toxicity information system, version 1.5.0D. Tidepool Scientific Software, McKinleyville, CA. 222 pp.

USEPA (US Environmental Protection Agency). 1995. Short-term methods for estimating the chronic toxicity of effluents and receiving waters to west coast marine and estuarine organisms. EPA/600/R-95/136.

APPENDIX A – Rainbow trout toxicity test data

Rainbow Trout Summary Sheet

Client: Azimuth

Start Date/Time: July 21/10 @ 1030h

Work Order No.: 10266

Test Species: *Oncorhynchus mykiss*

Sample Information:

Sample ID: GC-071610
Sample Date: July 16/10
Date Received: July 20/10
Sample Volume: 1 x 20L, 1 x 2L
Other: –

Dilution Water:

Type: Dechlorinated Municipal Tap Water
Hardness (mg/L $CaCO_3$): 11
Alkalinity (mg/L $CaCO_3$): 8

Test Organism Information:

Batch No.: 051410
Source: Troutlake Lodge
No. Fish/Volume (L): 10 / 10L
Loading Density: 0.48
Mean Length ± SD (mm): 38 ± 3 Range: 35-43
Mean Weight ± SD (g): 0.48 ± 0.13 Range: 0.31-0.69

SDS Reference Toxicant Results:

Reference Toxicant ID: RT61
Stock Solution ID: 10506
Date Initiated: June 21/10
96-h LC50 (95% CL): 5.3 (4.3-6.6)

Reference Toxicant Mean (2SD Range): 5.2 (4.4-6.1)
Reference Toxicant CV (%): 9

Test Results: 96-hr LC50 > 100 % (v/v)

Reviewed by: A. Teng

Date reviewed: September 21, 2010

Rainbow trout (Oncorhynchus mykiss) length and weight sheet

Client: Azimuth (Polaris)
W.O. #: 17266
Sample ID: GC 071610

Date Measured: July 25/10
Batch #: 051410

	Length (mm)	Weight (g)
1	43	0.69
2	36	0.37
3	40	0.57
4	35	0.33
5	~~33~~ 37	0.42
6	42	0.58
7	39	0.52
8	36	0.46
9	36	0.31
10	40	0.59
Total	384	4.84
Mean	38	0.48
Std. Dev.	3	0.13
Low	35	0.31
High	43	0.69

ART Sept 23/10

96-Hour Rainbow Trout Toxicity Test Data Sheet

Client/Project#:	Azimuth (Polaris)	**Number Fish/Volume:**	10/10L
Sample I.D.	GC 071610	**7-d % Mortality:**	0 %
W.O. #	10266	**Total Pre-aeration Time (mins):**	90 min
RBT Batch #:	051410	**Aeration rate adjusted to 6.5 ± 1 mL/min/L? (Y/N):**	Y
Date Collected/Time:	July 16/10 @ 1200h		
Date Setup/Time:	July 21/10 @ 1030h		
Sample Setup By:	JAB		
D.O. meter:	DO-1		
pH meter:	pH-1		
Cond. Meter:	C-1		

Undiluted Sample WQ			
Parameters	Initial WQ	Adjustment	90 min WQ
Temp °C	15.5	/	14.5
pH	7.9	/	7.9
D.O. (mg/L)	11.8	/	10.3
Cond. (µS/cm)	3800	/	3880

Concentration %(v/v)	# Survivors							Temperature (°C)					Dissolved Oxygen (mg/L)					pH					Conductivity (µS/cm)	
	1	2	4	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	96
Control				10	10	10	10	14.6	14.0	14.5	14.5	15.0	10.2	10.2	9.8	10.2	9.7	7.0	7.0	7.1	7.2	7.4	32	38
6.25				10	10	10	10	14.6	14.0	14.5	14.5	14.5	10.2	10.1	9.8	10.2	9.6	7.1	7.0	7.0	7.1	7.2	459	472
12.5				10	10	10	10	14.5	14.0	14.5	14.5	14.5	10.2	10.0	9.8	10.1	9.6	7.2	7.1	7.1	7.2	7.2	579	597
25				10	10	10	10	14.5	14.0	14.5	14.5	14.5	10.3	10.2	9.8	10.1	9.7	7.3	7.2	7.2	7.2	7.3	964	985
50				10	10	10	10	14.5	14.0	14.5	14.5	14.5	10.3	10.1	9.8	10.2	9.8	7.6	7.3	7.2	7.2	7.3	2030	2060
100				10	10	10	10	14.5	14.0	14.5	14.5	14.5	10.3	9.9	9.8	10.2	9.6	7.9	7.6	7.5	7.5	7.5	3880	3940
Initials				JAB	JAB	BPL	JJ	JAB	JAB	JAB	BPL	JJ	JAB	JAB	JAB	BPL	JJ	JAB	JAB	JAB	BPL	JJ	JAB	JJ

Sample Description/Comments: Clear, Colorless

Fish Description at 96? All remaining fish appear ok

Other Observations:

Reviewed by: A. Tang

Date Reviewed: September 21, 2010

APPENDIX B – *Daphnia magna* toxicity test data

Daphnia magna Summary Sheet

Client: Arizona
Work Order No.: 10267

Start Date/Time: July 20/10 @ 1800h
Test Species: D.magna
Set up by: JJT

Sample Information:

Sample ID: GL-071610
Sample Date: July 16/10
Date Received: July 20/10
Sample Volume: 1x20L, ~~2x~~ 1x2L

Test Organism Information:

Broodstock No.: 063010A
Age of young (Day 0): <24 hours
Avg No. young per brood in previous 7 d: 24
Mortality (%) in previous 7 d: 0
Days to first brood: 8

NaCl Reference Toxicant Results:

Reference Toxicant ID: DM 60
Stock Solution ID: 09 Na 05
Date Initiated: July 28/10
48-h LC50 (95% CL): 3.9 (3.[illegible] - 4.9) mg/L NaCl

Reference Toxicant Mean (2SD Range): 4.0 (3.5 - 4.6) mg/L NaCl
Reference Toxicant CV (%): 7

Test Results: The 48-h LC50 > 100 % v/v

Reviewed by: A. Tang

Date reviewed: September 23, 2010

Freshwater Acute
48 Hour Toxicity Test Data Sheet

Client: Azimuth
Sample ID: GC-071610
Work Order No.: 10267

Start Date/Time: July 20/10 @1800h.
No. Organisms/volume: 10/200mL
Test Organism: *D.magna*
Set up by: JJT

DO meter: DO-1 pH meter: pH-1 Conductivity meter: C-1

Concentration (%v/v)	Rep	Number of Live Organisms 24	Number of Live Organisms 48	No. Immobilized 48	Temperature (°C) 0	Temperature (°C) 24	Temperature (°C) 48	Dissolved oxygen (mg/L) 0	Dissolved oxygen (mg/L) 24	Dissolved oxygen (mg/L) 48	pH 0	pH 24	pH 48	Conductivity (µS/cm) 0	Conductivity (µS/cm) 48
Control	A	10	10	0	22.0	21.0	20.5	8.3		8.5	8.1		8.1	388	429
	B														
	C														
	D														
6.25	A	10	10	0	22.0	21.0	20.0	8.3		8.6	8.1		8.1	626	693
	B														
	C														
	D														
12.5	A	10	10	0	22.0	21.0	20.0	8.4		8.6	8.1		8.1	860	962
	B														
	C														
	D														
25	A	10	10	0	22.0	21.0	20.5	8.8		8.6	8.0		8.0	1290	1439
	B														
	C														
	D														
50	A	10	10	0	22.0	21.0	20.5	8.6		8.6	8.1		8.0	2130	2360
	B														
	C														
	D														
100	A	10	10	0	22.0	21.0	20.5	8.7		8.6	8.0		7.8	3840	4240
	B														
	C														
	D														
Technician Initials		JJT	JJT	JJT	JJT	JJT	JJT	JJT		JJT	JJT		JJT	JJT	JJT

Conc.	Hardness*	Alkalinity*
	*(mg/L as CaCo3)	
Control (MHW)	100	68
Highest conc.	410	46

	Initial WQ	Adjustment	Adjusted WQ
Temp (°C)	22.0	Aerated for 5	22.0
DO (mg/L)	10.8	minutes	8.7
pH	8.1		8.0
Cond (µS/cm)	3890		3840

Sample Description: Clear

Comments: Batch# 063010A 7-d previous # young/brood: 24 Day of 1st Brood: 8 Previous 7-d % Mortality: 0

Reviewed by: A. Tang Date reviewed: September 23, 2010

Client: Azimuth

W.O #: 10267

Hardness and Alkalinity Datasheet

		Alkalinity				Hardness			
Sample ID	Sample Date	Sample Volume (mL)	(mL) 0.02N HCL/H_2SO_4 used to pH 4.5	(mL) of 0.02N HCL/H_2SO_4 used to pH 4.2	Total Alkalinity (mg/L $CaCO_3$)	Sample Volume (mL)	Volume of 0.01M EDTA Used (mL)	Total Hardness (mg/L $CaCO_3$)	Technician
BC-071610	July 27/10	50	2.4	25	46	100 ①	4.1	410	SKM

Notes: ① Diluted to 100mL w/ DI H_2O

Reviewed by: A. Teng

Date Reviewed: September 23, 2010

APPENDIX C – *Dendraster excentricus* toxicity test data

Echinoderm Fertilization Test Summary Sheet

Client: Azimuth

Start Date/Time: July 21/10 @ 1400h

Work Order No.: 10269

Test Species: D. excentricus

Sample Information:

Sample ID: GC-071610
Sample Date: July 16/10
Date Received: ~~July 16/10~~ 16 July 2010
Sample Volume: 2×20L
Other: —

Dilution Water:

Type: Natural Seawater
Source: PESC
Other: —

Test Organism Information:

Batch No.: 072010
Source: MREP
Sperm:Egg Ratio: 400:1
Exposure Period: 10 min

~~SDS~~ Cu Reference Toxicant Results:

Reference Toxicant ID: DE11
Stock Solution ID: 10Cu02
Date Initiated: July 21/10
IC50 (95% CL): 29.1 (25.5-31.6) ug/L Cu

Reference Toxicant Mean ± 2 SD: 15.6 (4.1-59.3)
Reference Toxicant CV (%): 94.8

Test Results: The IC50 > 100% (v/v)

Reviewed by: A. Tang

Date reviewed: December 23, 2010

Echinoderm Fertilization WQ Data Sheet

Client : Azimuth

Analysts: JAB

Sample ID: GC-071610

Test Date: July 21/2010

WO No: 10269

Test Species: D. excentricus/S. purpuratus (D. excentricus circled)

Brine Adjustment (sample and brine control):

200 mL of sample + couple spoonfuls of Instant Ocean sea salt

Initial Water Quality

	100% sample
Temp (°C)	15.0
DO (mg/L)	11.4
pH	8.0
Salinity	2.0

Brine/Salt Adjusted Water Quality (Salt Adjusted circled)

	% sample
Temp (°C)	14.5
DO (mg/L)	~~28.2~~ JAB 8.5
pH	8.4
Salinity	28.2

Concentration ^% (v/v)	Water Quality Temp. (°C)	DO (mg/L)	pH	Salinity (ppt)
100	15.0	8.5	8.~~7~~4 SRM	28
50	15.0	8.4	8.1	27
25	15.0	8.3	7.9	26
12.5	15.0	8.3	7.8	26
6.25	15.0	8.2	7.8	26
Control	15.0	8.2	7.7	26
Salt JAB ~~Brine~~ Control	15.0	8.2	9.1	28
Salt Control (pH) ↓ 2 drops 1M HCl	15.0	8.5	7.6	28
Analyst Initials	JAB	JAB	JAB	JAB

Sample Description: Clear, Colorless

Echinoderm Source: MREP

Date Received: July 20/2010

Seawater Source: PESC

Date Collected: July 9/10

Comments:

Reviewed: A. Tang

Date Reviewed: December 22, 2010

Echinoderm Fertilization Toxicity Test Data Sheet
Fertilized Egg Counts

Client: Azimuth/Polaris   Start Date/Time: July 21/10
Work Order #: 10269   Test species: D. excentricus
Sample ID: GC-071610   Test set up by: JAB

Concentration % v/v	Rep	No. Fertilized Eggs	No. Unfertilized Eggs	Comments	Initials
Control SW	A	64	36		JAB
	B	70	30		
	C	63	37		
	D	67	33		
Salt Control	A	18	82		
	B	16	84		
	C	17	83		
	D	17	83		
Salt Control (pH-adj)	A	50	50		
	B	45	55		
	C	53	47		
	D	56	44		
GC-071610 6.25	A	74	26		
	B	68	32		
	C	70	30		
	D	60	40		
GC-071610 12.5	A	61	39		
	B	67	33		
	C	71	29		
	D	70	30		
GC-071610 25	A	78	22		
	B	66	34		
	C	64	36		
	D	61	39		
GC-071610 50	A	61	39		
	B	67	33		
	C	66	34		
	D	47	53		
GC-071610 100	A	45	55	Recount - 32	
	B	43	57	Recount - 45	
	C	28	72		
	D	29	71		

Comments:

Reviewed by: A. Tang   Date Reviewed: December 22, 2010

CETIS Analytical Report

		Report Date:	22 Sep-10 16:14 (p 1 of 2)
		Test Code:	01-0923-4514/10269

Echinoid Sperm Cell Fertilization Test — **Nautilus Environmental**

Analysis ID:	01-4168-0265	**Endpoint:**	Fertilization Rate	**CETIS Version:**	CETISv1.7.0
Analyzed:	22 Sep-10 16:13	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

Batch ID:	19-6674-2812	**Test Type:**	Fertilization	**Analyst:**	
Start Date:	21 Jul-10	**Protocol:**	EC/EPS 1/RM/27	**Diluent:**	Natural seawater
Ending Date:	21 Jul-10	**Species:**	Dendraster excentricus	**Brine:**	
Duration:	N/A	**Source:**	MREP	**Age:**	

Sample ID:	17-8535-7802	**Code:**	6A6A65EA	**Client:**	Azimuth
Sample Date:	16 Jul-10	**Material:**	Industrial Effluent	**Project:**	
Receive Date:	16 Jul-10	**Source:**	Azimuth		
Sample Age:	5d 0h	**Station:**			

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Log(X+1)	Linear	57951	200	Yes	Two-Point Interpolation

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	35.126	2.0039	63.598	2.8469	1.5724	49.903
IC10	49.194	17.814	63.267	2.0328	1.5806	5.6135
IC15	54.855	27.031	68.745	1.823	1.4547	3.6995
IC20	60.455	34.148	75.092	1.6541	1.3317	2.9284
IC25	66.617	42.573	83.134	1.5011	1.2029	2.3489
IC40	89.065	66.688	N/A	1.1228	N/A	1.4995
IC50	>100	N/A	N/A	<1	N/A	N/A

Fertilization Rate Summary

			Calculated Variate(A/B)								
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Negative Control	4	0.66	0.63	0.7	0.0057735	0.031623	4.79%	0.0%	264	400
6.25		4	0.68	0.6	0.74	0.01075	0.058878	8.66%	-3.03%	272	400
12.5		4	0.6725	0.61	0.71	0.0082158	0.045	6.69%	-1.89%	269	400
25		4	0.6725	0.61	0.78	0.013612	0.074554	11.09%	-1.89%	269	400
50		4	0.6025	0.47	0.67	0.016824	0.09215	15.3%	8.71%	241	400
100		4	0.3625	0.28	0.45	0.016423	0.089954	24.82%	45.08%	145	400

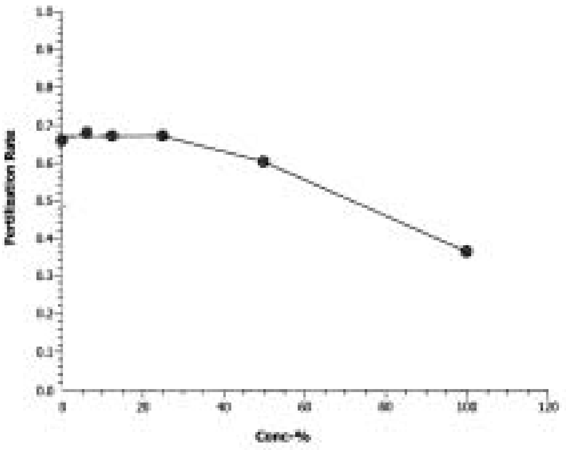
Fertilization Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	0.64	0.7	0.63	0.67
6.25		0.74	0.68	0.7	0.6
12.5		0.61	0.67	0.71	0.7
25		0.78	0.66	0.64	0.61
50		0.61	0.67	0.66	0.47
100		0.45	0.43	0.28	0.29

Echinoid Sperm Cell Fertilization Test **Nautilus Environmental**

Analysis ID:	01-4168-0265	**Endpoint:** Fertilization Rate		**CETIS Version:**	CETISv1.7.0
Analyzed:	22 Sep-10 16:13	**Analysis:** Linear Interpolation (ICPIN)		**Official Results:**	Yes

Graphics



APPENDIX D – *Atherinops affinis* toxicity test data

7-d Larval Fish Survival and Growth Toxicity Test

Client: **Azimuth**

Start Date: 21-Jul-10

Work Order No.: 10268

Test Species: *Atherinops affinis*

Sample Information:

Sample ID: GC-071610
Sample Date: 16-Jul-10
Date Received: 20-Jul-10
Sample Volume: 2 x 20L

Dilution Water:

Type: Saltwater
Hardness (mg/L $CaCO_3$): NA
Alkalinity (mg/L $CaCO_3$): NA

Test Organism Information:

Batch No.: July 20, 2010
Source: Aquatic BioSystems, CO
Age: 13 d old

NaCl Reference Toxicant Results:

Reference Toxicant ID: AAC5
Stock Solution ID: 08Cu03
Date Initiated: 21-Jul-10
7-d EC50 (95% CL): 56.9 (43.6 – 74.2) mg/L Cu
7-d IC50 (95% CL): ~~58.3~~ 57.2 (0.60 – 300) mg/L Cu

Survival:
Reference Toxicant Mean and Range: 79.4, 50.2 – 126 mg/L Cu CV (%): 26

Biomass
Reference Toxicant Mean ± 2 SD: 73.8, 44.8 – 121 mg/L Cu CV (%): 28

Test Results:

	Survival	Biomass
EC25 % (v/v) (95% CL)	>100	
EC50 % (v/v) (95% CL)	>100	
IC25 % (v/v) (95% CL)		>100
IC50 % (v/v) (95% CL)		>100

Reviewed by: [signature]

Date reviewed: September 24/10

7-d Larval Fish Survival and Growth Toxicity Test
Initial and Final Water Quality Measurements

Client:	AZIMUTH
Sample ID:	GC-071610
Work Order #:	10268
Start Date & Time:	July 21/10 1730h
Stop Date & Time:	July 28/10 1200h
Test Species:	*Atherinops affinis*

%(v/v) Concentration SW Control	Days 0	1		2		3		4		5		6		7
	init.	new	old	new	old	new	old	new	old	new	old	new	old	final
Temperature (°C)	21.0	21.0	21.0	21.0	20.5	20.5	20.5	20.5	20.5	21.0	20.5	20.5	20.5	20.5
DO (mg/L)	7.6	7.3	5.4	7.2	5.8	7.1	6.0	7.5	5.8	7.4	5.7	6.3	5.4	5.3
pH	8.4	8.0	7.6	7.7	7.3	7.7	7.3	7.7	7.3	7.7	7.2	7.7	7.1	7.3
Sal ‰ ~~Cond. (µS/cm)~~	30	30		30		30		30		30		31		31
Initials	qu	qu		qu		qu		qu		qu		qu		qu

Concentration Salt ~~Negative~~ Control	Days 0	1		2		3		4		5		6		7
	init.	new	old	new	old	new	old	new	old	new	old	new	old	final
Temperature (°C)	21.0	21.0	21.0	20.5	20.5	21.0	20.5	20.0	20.5	20.5	20.5	20.5	20.5	21.0
DO (mg/L)	6.5	7.2	5.6	7.4	5.7	7.3	6.1	7.5	6.0	7.4	5.5	6.6	5.6	5.3
pH	8.0	8.0	7.7	8.0	7.6	8.0	7.5	7.9	7.4	7.9	7.4	7.8	7.3	7.4
Sal ‰ ~~Cond. (µS/cm)~~	30	30		30		30		30		30		30		31
Initials	qu	qu		qu		qu		qu		qu		qu		qu

Concentration 6.25	Days 0	1		2		3		4		5		6		7
	init.	new	old	new	old	new	old	new	old	new	old	new	old	final
Temperature (°C)	21.0	21.0	21.0	20.5	20.5	20.5	20.5	21.0	20.5	20.5	20.5	20.5	20.5	20.5
DO (mg/L)	6.5	7.0	5.7	7.1	5.8	7.3	6.0	7.1	6.3	7.4	5.1	6.5	4.8	4.9
pH	8.0	8.0	7.7	8.0	7.6	8.0	7.6	8.0	7.5	7.9	7.4	7.9	7.3	7.4
Sal ‰ ~~Cond. (µS/cm)~~	30	30		30		30		30		30		30		31
Initials	qu	qu		qu		qu		qu		qu		qu		qu

Concentration 25	Days 0	1		2		3		4		5		6		7
	init.	new	old	new	old	new	old	new	old	new	old	new	old	final
Temperature (°C)	21.0	21.0	21.0	20.0	20.5	20.5	20.5	21.0	20.5	20.5	20.5	21.0	21.0	21.0
DO (mg/L)	6.6	7.1	5.7	7.1	5.6	7.3	5.7	7.5	6.0	7.3	5.1	6.6	5.1	4.7
pH	8.2	8.2	7.7	8.2	7.6	8.2	7.6	8.1	7.4	8.1	7.4	8.0	7.3	7.4
Sal ‰ ~~Cond. (µS/cm)~~	30	30		30		30		30		30		30		31
Initials	qu	qu		qu		qu		qu		qu		qu		qu

DO meter: DO-1 pH meter: pH-1 Conductivity meter: C-1

	Control			
Hardness*	—	—	—	—
Alkalinity*				

* mg/L as CaCO3

Analysts: EGS

Reviewed by: KRT

Date reviewed: Sept 23/10

Sample Description:

Comments:

7-d Larval Fish Survival and Growth Toxicity Test
Initial and Final Water Quality Measurements

Client:	Azimuth	Start Date & Time:	July 21/10 1730h
Sample ID:	GC-071610	Stop Date & Time:	July 28/10 1200h
Work Order #:	10268	Test Species:	*Atherinops affinis*

%(v/v) Concentration 100	Days													
	0	1		2		3		4		5		6		7
	init.	new	old	new	old	new	old	new	old	new	old	new	old	final
Temperature (°C)	21.0	19.5	21.0	19.5	20.5	20.5	20.5	21.0	20.5	20.5	20.5	21.0	21.0	20.5
DO (mg/L)	6.0	7.2	5.8	7.3	5.4	7.4	6.1	7.5	6.0	7.3	5.0	6.7	5.2	4.8
pH	8.7	8.7	8.1	8.7	8.0	8.6	7.8	8.5	7.5	8.4	7.4	8.3	7.3	7.4
Sal ‰ ~~Cond. (µS/cm)~~	30	30		30		30		30		30		30		31
Initials ql	ql	ql		ql		ql		ql		ql		ql		ql

Concentration	Days													
	0	1		2		3		4		5		6		7
	init.	new	old	new	old	new	old	new	old	new	old	new	old	final
Temperature (°C)														
DO (mg/L)														
pH														
Sal ‰ ~~Cond. (µS/cm)~~														
Initials														

Concentration	Days													
	0	1		2		3		4		5		6		7
	init.	new	old	new	old	new	old	new	old	new	old	new	old	final
Temperature (°C)														
DO (mg/L)														
pH														
Sal ‰ ~~Cond. (µS/cm)~~														
Initials														

Concentration	Days													
	0	1		2		3		4		5		6		7
	init.	new	old	new	old	new	old	new	old	new	old	new	old	final
Temperature (°C)														
DO (mg/L)														
pH														
Sal ‰ ~~Cond. (µS/cm)~~														
Initials ql														

DO meter: DO-1 pH meter: pH-1 Conductivity meter: C-1

	Control			
Hardness*				
Alkalinity*				

* mg/L as CaCO3

Analysts: EGS

Reviewed by: ART
Date reviewed: Sept 23/10

Sample Description:

Comments:

7-d Larval Fish Survival and Growth Toxicity Test
Daily Survival

Client: AZIMUTH
Sample ID: GC-071610
Work Order #: 10268

Start Date & Time: July 21/10 1730h
Stop Date: July 28/10 1200h
Test Species: *Atherinops affinis*

Concentration % (v/v)	Rep	Day of Test - No. of Survivors 1	2	3	4	5	6	7	Comments
SW Control	A	5	5	5	5	5	5	5	
	B	5	5	5	5	5	5	5	
	C	4	4	4	4	4	4	4	
	D	5	5	5	4	4	4	4	
	E	5	5	5	5	5	5	5	
~~Negative~~ Salt Control	A	5	5	5	5	5	5	5	
	B	5	5	5	5	5	5	5	
	C	5	5	5	5	5	5	5	
	D	5	5	5	5	5	5	5	
	E	5	5	5	5	5	5	5	
6.25	A	5	5	5	5	5	5	5	
	B	5	5	5	5	5	5	5	
	C	5	5	5	5	5	5	5	
	D	5	5	5	5	5	4	4	
	E	5	5	5	5	5	5	5	
12.5	A	5	5	5	5	5	5	5	
	B	5	5	5	5	5	5	5	
	C	5	5	5	5	5	5	5	
	D	5	5	5	5	5	5	5	
	E	5	5	5	5	5	5	5	
25	A	5	5	5	5	5	5	5	
	B	5	5	5	5	5	5	5	
	C	5	5	5	5	5	5	5	
	D	5	5	5	5	5	5	5	
	E	5	5	5	5	5	5	5	
50	A	5	5	5	5	5	5	5	
	B	5	5	5	5	5	5	4	
	C	5	5	5	5	5	5	5	
	D	5	5	5	5	5	5	5	
	E	5	5	5	5	5	5	5	
100	A	5	5	5	5	5	5	5	
	B	5	5	5	5	5	5	5	
	C	5	5	5	5	5	5	5	
	D	5	5	5	5	5	5	5	
	E	5	5	5	5	5	5	5	
Tech Initials		gh	gh	gh	gh	gh	gh	SKA	

Comments: All organisms appear normal upon termination

Reviewed by: A. Teng

Date reviewed: September 23, 2010

Generated: March 17, 2009

Nautilus Environmental

7-d Larval Fish Survival and Growth Toxicity Test

Dry Weight Data

Client: AZIMUTH
Sample ID: GC-071610
Work Order No.: 10268

Start Date: 21-Jul-10 1730h
Termination Date: 28-Jul-10 1200h

% (v/v)

Sample ID	Rep	Pan No.	No. alive	Initials	Pan weight (mg)	Pan + organism (mg)	No. weighed	Initials
SW Control BLUE:	A	1	5	SKM	1293.51	1305.83	5	SKM
	B	2	5	SKM	1292.84	1304.55	5	SKM
	C	3	4	SKM	1293.10	1301.03	4	SKM
	D	4	4	SKM	1294.50	1299.68	4	SKM
	E	5	5	SKM	1293.05	1304.38	5	SKM
~~Negative Control~~ RED: Salt control	A	6	5	SKM	1294.83	1305.52 SKM	5	SKM
	B	7	5	SKM	1294.16	1306.23	5	SKM
	C	8	5	SKM	1293.88	1307.08	5	SKM
	D	9	5	SKM	1296.53	1307.51	5	SKM
	E	10	5	SKM	1290.90	1299.94 SKM	5	SKM
6.25	A	11	5	SKM	1294.19	1307.83	5	SKM
	B	12	5	SKM	1302.99	1313.85	5	SKM
	C	13	5	SKM	1294.15	1304.64	5	SKM
	D	14	4	SKM	1290.24	1296.26	4	SKM
	E	15	5	SKM	1290.95	1301.82	5	SKM
12.5	A	16	5	SKM	1291.10	1302.01	5	SKM
	B	17	5	SKM	1288.42	1296.82 SKM	4 ①	SKM
	C	18	5	SKM	1289.15	1302.15	5	SKM
	D	19	5	SKM	1285.40	1300.91	5	SKM
	E	20	5	SKM	1279.60 ②	1295.72	5	SKM
25	A	21	5	SKM	1289.80	1302.21 SKM	5	SKM
	B	22	5	SKM	1293.84	1306.58	5	SKM
	C	23	5	SKM	1299.35	1310.13	5	SKM
	D	24	5	SKM	1293.13	1307.53	5	SKM
	E	25	5	SKM	1298.74	1308.03	5	SKM
50	A	26	5	SKM	1291.59	1305.70	5	SKM
	B	27	4	SKM	1296.73	1304.19	4	SKM
	C	28	5 SKM	SKM	1293.88	1306.33	5	SKM
	D	29	5	SKM	1286.67	1300.31	5	SKM
	E	30	5	SKM	1288.48	1300.05	5	SKM

Comments: ① one missing ② 1279.60
reweighed 29: 1299.84mg, 5: 1303.84mg, 13: 1304.38mg

Generated: March 17, 2009
Reviewed by: A. Tang
Date Reviewed: September 23, 2010

7-d Larval Fish Survival and Growth Toxicity Test

Dry Weight Data

Client: AZIMUTH

Sample ID: QC-071610

Work Order No.: 10268

Start Date: 21-Jul-10 1730h

Termination Date: 28-Jul-10 1200h

% (v/v)

Sample ID	Rep	Pan No.	No. alive	Initials	Pan weight (mg)	Pan + organism (mg)	No. weighed	Initials
100	A	31	5	SKM	1292.10	1303.86	5	SKM
	B	32	5	SKM	1296.18	1310.88	5	SKM
	C	33	5	SKM	1294.66	1309.72	5	SKM
	D	34	5	SKM	1288.72	1303.28	5	SKM
	E	35	5	SKM	1291.23	1302.67	5	SKM
	A							
	B							
	C							
	D							
	E							
	A							
	B							
	C							
	D							
	E							
	A							
	B							
	C							
	D							
	E							
	A							
	B							
	C							
	D							
	E							
	A							
	B							
	C							
	D							
	E							

Comments:

Generated: March 17, 2009

Reviewed by: A. Tang

Date Reviewed: September 23, 2010

CETIS Analytical Report

Larval Fish 7-d Survival and Growth Test — **Nautilus Environmental**

Analysis ID:	05-3353-6802	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv1.7.0
Analyzed:	04 Aug-10 16:03	**Analysis:**	Single 2x2 Contingency Table	**Official Results:**	Yes

Batch ID:	17-2049-3981	**Test Type:**	Growth-Survival (7d)	**Analyst:**	
Start Date:	21 Jul-10	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Laboratory Seawater
Ending Date:	28 Jul-10	**Species:**	Atherinops affinis	**Brine:**	Frozen Seawater
Duration:	7d 0h	**Source:**	Aquatic Biosystems, CO	**Age:**	

Sample ID:	02-0234-3262	**Code:**	GC-071610	**Client:**	Azimuth
Sample Date:	16 Jul-10	**Material:**	Industrial Effluent	**Project:**	
Receive Date:	20 Jul-10	**Source:**	Azimuth		
Sample Age:	5d 0h	**Station:**			

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Untransformed		C > T	Not Run	0	>0			N/A

Fisher Exact Test

Control	vs	Control	Test Stat	P-Value	Decision(0.05)
Negative Control		~~Brine Reagent~~ Salt Control	0.2449	0.2449	Non-Significant Effect

Test Acceptability

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1	0.8 - NL	Yes	Result Within Limits
Control Resp	0.92	0.8 - NL	Yes	Result Within Limits

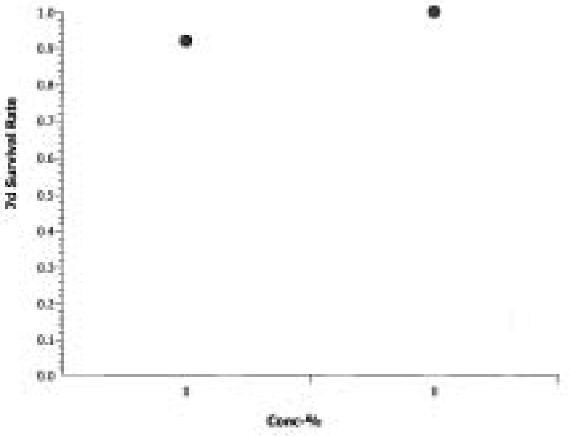
Data Summary

Conc-%	Control Type	No-Resp	Resp	Total
0	SALT ~~Brine~~ Reagent	23	2	25
0	Negative Contr	25	0	25

7d Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	SALT ~~Brine~~ Reagent	1	1	0.8	0.8	1
0	Negative Control	1	1	1	1	1

Graphics



Larval Fish 7-d Survival and Growth Test — Nautilus Environmental

Analysis ID:	06-7164-1330	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv1.7.0
Analyzed:	04 Aug-10 16:27	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes
Batch ID:	17-2049-3981	**Test Type:**	Growth-Survival (7d)	**Analyst:**	
Start Date:	21 Jul-10	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Laboratory Seawater
Ending Date:	28 Jul-10	**Species:**	Atherinops affinis	**Brine:**	Frozen Seawater
Duration:	7d 0h	**Source:**	Aquatic Biosystems, CO	**Age:**	
Sample ID:	02-0234-3262	**Code:**	GC-071610	**Client:**	Azimuth
Sample Date:	16 Jul-10	**Material:**	Industrial Effluent	**Project:**	
Receive Date:	20 Jul-10	**Source:**	Azimuth		
Sample Age:	5d 0h	**Station:**			

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Log(X+1)	Linear	57951	200	Yes	Two-Point Interpolation

Test Acceptability

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1	0.8 - NL	Yes	Result Within Limits

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	>100	N/A	N/A	<1	N/A	N/A
EC10	>100	N/A	N/A	<1	N/A	N/A
EC15	>100	N/A	N/A	<1	N/A	N/A
EC20	>100	N/A	N/A	<1	N/A	N/A
EC25	>100	N/A	N/A	<1	N/A	N/A
EC40	>100	N/A	N/A	<1	N/A	N/A
EC50	>100	N/A	N/A	<1	N/A	N/A

7d Survival Rate Summary

			Calculated Variate(A/B)								
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Negative Control	5	1	1	1	0	0	0.0%	0.0%	25	25
6.25		5	0.96	0.8	1	0.01633	0.089443	9.32%	4.0%	24	25
12.5		5	1	1	1	0	0	0.0%	0.0%	25	25
25		5	1	1	1	0	0	0.0%	0.0%	25	25
50		5	0.96	0.8	1	0.01633	0.089443	9.32%	4.0%	24	25
100		5	1	1	1	0	0	0.0%	0.0%	25	25

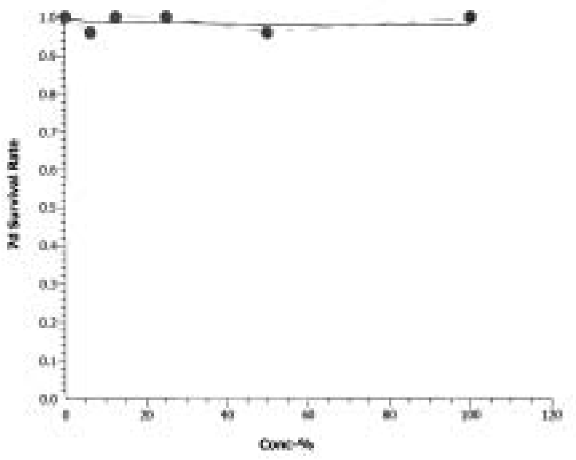
7d Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	1	1	1
6.25		1	1	1	0.8	1
12.5		1	1	1	1	1
25		1	1	1	1	1
50		1	0.8	1	1	1
100		1	1	1	1	1

Larval Fish 7-d Survival and Growth Test — **Nautilus Environmental**

Analysis ID: 06-7164-1330		**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv1.7.0
Analyzed: 04 Aug-10 16:27		**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

Graphics



CETIS Analytical Report

Larval Fish 7-d Survival and Growth Test — **Nautilus Environmental**

Analysis ID:	05-0724-4846	**Endpoint:**	Mean Dry Weight-mg	**CETIS Version:**	CETISv1.7.0
Analyzed:	04 Aug-10 16:04	**Analysis:**	Parametric-Two Sample	**Official Results:**	Yes

Batch ID:	17-2049-3981	**Test Type:**	Growth-Survival (7d)	**Analyst:**	
Start Date:	21 Jul-10	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Laboratory Seawater
Ending Date:	28 Jul-10	**Species:**	Atherinops affinis	**Brine:**	Frozen Seawater
Duration:	7d 0h	**Source:**	Aquatic Biosystems, CO	**Age:**	

Sample ID:	02-0234-3262	**Code:**	GC-071610	**Client:**	Azimuth
Sample Date:	16 Jul-10	**Material:**	Industrial Effluent	**Project:**	
Receive Date:	20 Jul-10	**Source:**	Azimuth		
Sample Age:	5d 0h	**Station:**			

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Untransformed	0	C > T	Not Run	0	>0			21.85%

Equal Variance t Two-Sample Test

Control	vs	Control	Test Stat	Critical	MSD	P-Value	Decision(5%)
Negative Control		~~Brine Reagent~~ SALT CONTROL	0.57263	1.8595	0.4848	0.2913	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	0.05571841	0.05571841	1	0.32791	0.5826	Non-Significant Effect
Error	1.359371	0.1699214	8			
Total	1.415089	0.2256398	9			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Variance Ratio F	1.8116	23.155	0.5790	Equal Variances
Distribution	Shapiro-Wilk Normality	0.89602		0.1980	Normal Distribution

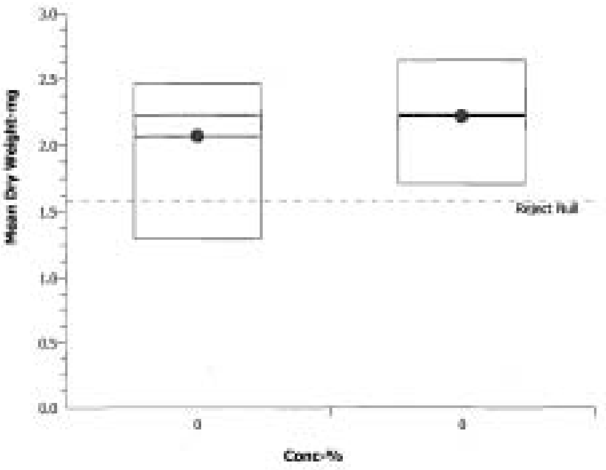
Mean Dry Weight-mg Summary

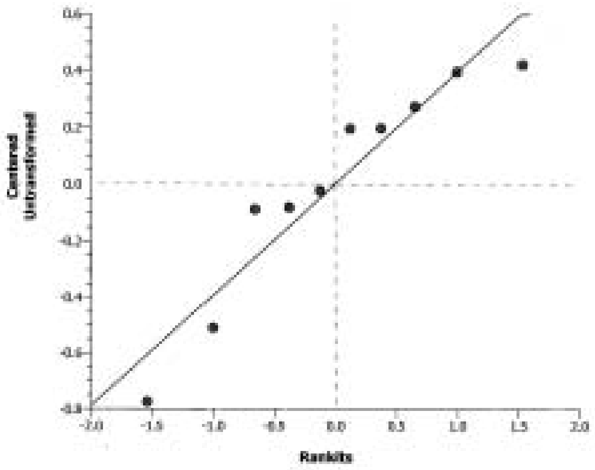
Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Negative Control	5	2.2192	2.087	2.3514	1.708	2.64	0.064559	0.34766	15.67%	0.0%
0	SALT ~~Brine~~ Reagent	5	2.0699	1.8919	2.2479	1.295	2.464	0.086895	0.46795	22.61%	6.73%

Mean Dry Weight-mg Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	SALT ~~Brine~~ Reagent	2.464	2.342	1.9825	1.295	2.266
0	Negative Control	2.138	2.414	2.64	2.196	1.708

Graphics





CETIS Analytical Report

Larval Fish 7-d Survival and Growth Test — **Nautilus Environmental**

Analysis ID:	20-7063-7535	**Endpoint:**	Mean Dry Biomass-mg	**CETIS Version:**	CETISv1.7.0
Analyzed:	05 Aug-10 9:59	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

Batch ID:	17-2049-3981	**Test Type:**	Growth-Survival (7d)	**Analyst:**	
Start Date:	21 Jul-10	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Laboratory Seawater
Ending Date:	28 Jul-10	**Species:**	Atherinops affinis	**Brine:**	Frozen Seawater
Duration:	7d 0h	**Source:**	Aquatic Biosystems, CO	**Age:**	

Sample ID:	02-0234-3262	**Code:**	GC-071610	**Client:**	Azimuth
Sample Date:	16 Jul-10	**Material:**	Industrial Effluent	**Project:**	
Receive Date:	20 Jul-10	**Source:**	Azimuth		
Sample Age:	5d 0h	**Station:**			

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Log(X+1)	Linear	57951	200	Yes	Two-Point Interpolation

Test Acceptability

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	2.2192	0.85 - NL	Yes	Result Within Limits

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	>100	N/A	N/A	<1	N/A	N/A
IC10	>100	N/A	N/A	<1	N/A	N/A
IC15	>100	N/A	N/A	<1	N/A	N/A
IC20	>100	N/A	N/A	<1	N/A	N/A
IC25	>100	N/A	N/A	<1	N/A	N/A
IC40	>100	N/A	N/A	<1	N/A	N/A
IC50	>100	N/A	N/A	<1	N/A	N/A

Mean Dry Biomass-mg Summary

			Calculated Variate						
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Negative Control	5	2.2192	1.708	2.64	0.063474	0.34766	15.67%	0.0%
6.25		5	2.1152	1.204	2.728	0.1031	0.56469	26.7%	4.69%
12.5		5	2.5576	1.68	3.224	0.11739	0.64295	25.14%	-15.25%
25		5	2.7848	2.156	3.858	0.11916	0.65269	23.44%	-25.49%
50		5	2.3732	1.492	2.822	0.09671	0.5297	22.32%	-6.94%
100		5	2.7008	2.288	3.012	0.063948	0.35025	12.97%	-21.7%

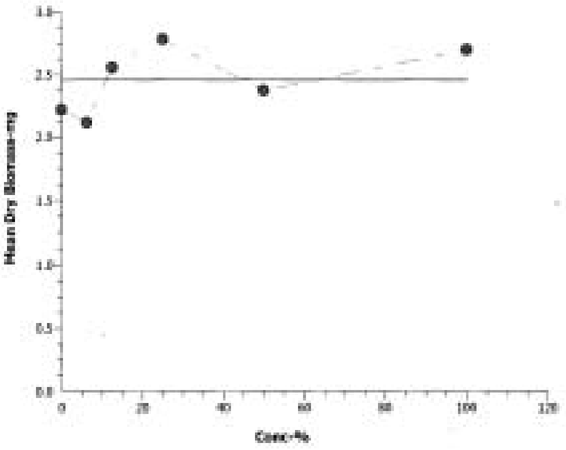
Mean Dry Biomass-mg Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	2.138	2.414	2.64	2.196	1.708
6.25		2.728	2.372	2.098	1.204	2.174
12.5		2.182	1.68	2.6	3.102	3.224
25		2.482	2.548	2.156	2.88	3.858
50		2.822	1.492	2.5	2.728	2.324
100		2.352	2.94	3.012	2.912	2.288

Larval Fish 7-d Survival and Growth Test — **Nautilus Environmental**

Analysis ID:	20-7063-7535	**Endpoint:**	Mean Dry Biomass-mg	**CETIS Version:**	CETISv1.7.0
Analyzed:	05 Aug-10 9:59	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

Graphics



APPENDIX E - Chain of Custody Form

Nautilus Environmental

TESTING LOCATION

Chain of Custody

British Columbia
8664 Commerce Court
Burnaby, British Columbia, Canada V5A 4N3
Phone 604.420.8773
Fax 604.357.1361

Date July 17 Page 1 of 1

Sample Collection By:

Report to:		**Invoice To:**	
Company	Azimuth Consulting Group, Inc.	Company	same as report
Address	218-2902 West Broadway	Address	
City/State/Zip	Vancouver, BC, V6K 2G8	City/State/Zip	
Contact	Cheryl Mackintosh/ Randy Baker	Contact	
Phone	604-730-1220	Phone	
Email	cmackintosh@azimuthgroup.ca	Email	

ANALYSES REQUIRED

	SAMPLE ID	DATE	TIME	MATRIX	CONTAINER TYPE	NO. OF CONTAINERS	COMMENTS	96hr rainbow trout LC50	48hr Daphnia magna LC50									Receipt Temperature (°C)
1	GC-071610	2010-07/16	12pm	Seawater	20 L carboy	1		x	x									7.0
2					2 L plastic	2	(extra water - same sample as above)	WO#10266	WO#10267									
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

PROJECT INFORMATION		**SAMPLE RECEIPT**	
Client:	Teck (Polaris)	Total No. of Containers	3
PO No.:	TC-10-01	Received Good Condition?	✓
Shipped Via:	First Air/Air Canada	Matches Test Schedule?	✓

RELINQUISHED BY (CLIENT)
(Signature) Curtis Kidd (Time) July 17 12pm
(Printed Name) CURTIS KIDD (Date)
(Company) AECOM

RELINQUISHED BY (COURIER)
(Signature) (Time)
(Printed Name) (Date)
(Company)

SPECIAL INSTRUCTIONS/COMMENTS:

RECEIVED BY (COURIER)
(Signature) (Time)
(Printed Name) (Date)
(Company)

RECEIVED BY (LABORATORY)
(Signature) [signature] (Time) 1255
(Printed Name) [illegible] (Date) July 20/10
(Company) Nautilus

Additional costs may be required for sample disposal or storage. Payment net 30 unless otherwise contracted.

APPENDIX J

August Toxicity Testing Laboratory Report (Acute and Sublethal Tests)

Nautilus Environmental

Toxicity Testing for Sample GC-082310, collected August 23, 2010

Final Report

Report date:
December 30, 2010

Submitted to:

Azimuth Consulting Group
Vancouver, BC

Burnaby Laboratory
8664 Commerce Court
Burnaby, BC
V5A 4N7

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APPENDIX C – *Champia parvula* toxicty test data

APPENDIX D - Chain of Custody Form

1.0 INTRODUCTION

Nautilus Environmental conducted toxicity tests on a sample identified as GC-082310 collected on August 23, 2010 and delivered to the Nautilus Environmental Laboratory in Burnaby, BC on August 31, 2010. The sample was transported in two 20-L plastic containers inside coolers. The following toxicity tests were conducted on the sample:

- 96 hr acute toxicity test using rainbow trout (*Oncorhynchus mykiss*)
- 48 hr acute toxicity test using *Daphnia magna*

In addition, a subsample of this sample was sent from the site to AquaTox Testing and Consulting, Guelph, ON, where it arrived on August 27. A reproduction test using *Champia parvula* was conducted on this subsample.

The rainbow trout, *Daphnia magna* and *Champia parvula* tests were initiated on August 31, September 1 and August 27, respectively. This report summarizes the results of the toxicity tests; copies of raw laboratory data sheets and statistical analysis for the rainbow trout and *Daphnia* tests are provided in Appendices A and B. The test report for the *Champia parvula* test is provided in Appendix C and the chain of custody form is provided in Appendix D. The results presented herein relate only to the sample tested.

2.0 METHODS

2.1 Toxicity Tests

Methods for the toxicity tests are summarized in Tables 1 and 2 and are briefly described in Sections 2.1.1 to 2.1.2. Statistical analyses were performed using CETIS (Tidepool Scientific Software).

2.1.1 Acute toxicity tests using rainbow trout and *Daphnia magna*

Acute toxicity tests using rainbow trout and *Daphnia magna* were conducted following Environment Canada (2000a and b) procedures, as summarized in Table 1. These tests involve a 96 and 48-hr exposure period, respectively, in which the organisms are exposed to the sample under static conditions using a single replicate of ten organisms for each test concentration. Water quality parameters (dissolved oxygen, pH, and temperature) were measured at 24 hr intervals throughout the tests. The endpoint from this test was mortality and, in the case of

Daphnia, immobility at the end of the exposure and the test acceptance criterion for control performance ≥90% organisms that both survived and were not exhibiting signs of stress.

Table 1. Summary of test conditions: acute tests using rainbow trout and *Daphnia magna*.

Test species	Rainbow trout	*Daphnia magna*
Test type	96 hr static	48 hr static
Endpoints	Survival	Survival
Organism source	Fraser Valley Trout Hatchery	In-house culture
Organism age	Fry – 0.3 – 0.6 g	< 24 hr old
Feeding	None	None
Test chamber	15-L glass aquaria	300 mL glass
Test volume	10 L	200 mL
Test temperature	15 ± 1°C	20 ± 2°C
Control water	Dechlorinated municipal tapwater	Moderately hard synthetic water,
Organisms/replicate	10	10
Number of replicates	1	1
Photoperiod	16 hours light/8 hours dark	16 hours light/8 hours dark
Aeration	Continuous	None
Reference toxicant	SDS	NaCl
Acceptability criterion for controls	≥90% survival	≥90% survival

Reference toxicant tests were conducted rainbow trout and *Daphnia* using SDS and NaCl as the toxicant, respectively. The results were compared to historical data to assess the health and sensitivity of the organisms.

2.1.2 48-hr sexual reproduction test using *Champia parvula*

A toxicity test was conducted by AquaTox Testing and Consulting (Guelph, ON) using the red alga, *Champia parvula*. This test involves a 48 hr exposure of male and female plants, following which the number of cystocarps produced on the female plants are scored, after a recovery period. Procedures used in this test are summarized in Table 2, and additional details on the test procedures are provided in the report provided by Aquatox, which is provided in Appendix C.

A reference toxicant test was conducted in conjunction with the reproduction test using SDS. The results of this test were compared with historical data to determine whether the organisms used in the toxicity test were within the range of acceptable quality and sensitivity.

Table 2. Summary of conditions for the 48-hr *Champia parvula* reproduction test.

Test organism	*Champia parvula*
Test organism source	In-house culture
Test organism age	Male and female branches
Test type	Static
Test duration	48 hr exposure,, followed by 6 day recovery period
Test chamber	240-mL polystyrene cup
Test solution volume	100 mL
Test concentrations (% sample)	66, 33, 16.5, 8.25, 4.12 and 2.06%, plus seawater control
Number of replicates	3
Dilution water	Natural clean seawater
Test solution renewal	Renewed with control water following 48 hr exposure
Test temperature	23 ± 1°C
Salinity	30 ± 2 ppt
Salinity adjustment	Hypersaline brine prepared with Instant Oceans salt
Number of organisms/chamber	2 male and 5 female plants
Light intensity	1024 to 1247 lux
Aeration	None during exposure; aeration provided during recovery
Test protocol	EPA-821-R-02-014
Test endpoint	Cystocarp production
Reference toxicant	SDS

2.2 Quality Assurance/Quality Control (QA/QC)

Nautilus follows a comprehensive QA/QC program to ensure that the data generated are of high quality and scientifically defensible. To meet these objectives, Nautilus has implemented a number of quality control procedures that include the following:

- Negative controls to ensure that appropriate testing performance criteria are met;
- Positive controls to assess the health and sensitivity of the test organisms;
- Use of appropriate species and life stage to meet the study objectives;
- Appropriate number of replicates to allow for proper statistical analyses;
- Calibration and proper maintenance of instruments to ensure accurate measurements;
- Proper documentation and record-keeping to allow traceability of performance;
- Adequate supervision and training of staff to ensure that methods are followed;
- Proper handling and storage of samples to ensure their integrity;
- Procedures in place to address issues that may arise during testing and ensure the implementation of appropriate corrective actions; and
- Review of data by a Registered Professional Biologist to ensure they are of acceptable quality and are scientifically defensible prior to releasing to the client.

3.0 RESULTS AND DISCUSSION

The results of acute toxicity tests using rainbow trout and *Daphnia magna* are shown in Table 3. The LC50 estimates were of >100% in both tests.

Results of the cystocarp production test using *Champia parvula* are detailed in the report provided in Appendix C, and are summarized in Table 4. The IC25 for cystocarp production was 41.1% sample.

Table 3. Results of acute toxicity tests, presented as percent survival.

Percent sample	Rainbow trout	*Daphnia magna*
Control	100	100
6.25	100	100
12.5	100	100
25	100	100
50	100	100
100	100	60
LC50	>100%	>100%

Table 4. Toxicity test results for the *Champia parvula* cystocarp production test.

Concentration (% v/v)	Cystocarps (Mean ± SD)
Negative Control	32.5 ± 2.0
Salt Control	36.1 ± 3.2 *
2.06	34.7 ± 2.8 *
4.12	33.5 ± 1.2
8.25	38.1 ± 0.5
16.5	33.6 ± 2.1
33	33.3 ± 3.1
66	11.5 ± 1.3 *
Test endpoint	**(% v/v)**
IC25 (95% confidence limits	41.1 (37.3 – 43.9)

IC = Inhibition Concentration.
SD = Standard Deviation.

3.1 Quality Assurance/Quality Control

Sample holding time was exceeded for all of the tests as a result of extended shipping time required to get the sample from the site to the laboratory. The tests were conducted, regardless, according to instruction provided by Azimuth. The toxicity tests conducted using rainbow trout and *Daphnia magna* were initiated eight and nine days after sampling, which exceeds the five-day holding time specified for these tests, and the *Champia parvula* test was initiated four days after sampling, which exceeds the three day holding period for this test.

The tests met all control acceptability criteria and water quality parameters remained within acceptable ranges throughout the test. Uncertainty associated with this test is best described by the confidence intervals around the point estimates.

The brine control (prepared using hypersaline brine from Instant Ocean salt) in the *Champia* test resulted in similar cyctocarp production to the regular control. Thus, brine addition did not contribute to any adverse effect observed with this species.

Results of reference toxicant tests conducted using rainbow trout and *Daphnia magna* are summarized in Table 10. Test results for the reference toxi cant test using *Champia parvula* are provided in the test report from AquaTox (Appendix C). The results of these tests all fell within the acceptable range of historical test results.

Table 5. Reference toxicant test results.

Species	Endpoint	Result	Historical range (µg/L Cu)	CV(%)	Initiation Date
Rainbow trout	Survival (LC50)	5.3 mg/L SDS	4.4 – 6.1	9	23/8/10
Daphnia magna	Survival (LC50)	3.9 mg/L NaCl	3.6 – 4.6	6	26/8/10

4.0 REFERENCES

Environment Canada. 2000a. Biological test method: reference method for determining acute lethality of effluents to rainbow trout. Report EPS 1/RM/13, Second Edition. Environment Canada, Science and Technology Branch, Ottawa, ON.

Environment Canada. 2000b. Biological test method: reference method for determining acute lethality of effluents to *Daphnia magna*. Report EPS 1/RM/14, Second Edition. Environment Canada, Science and Technology Branch, Ottawa, ON.

Tidepool Scientific Software. 2007. CETIS comprehensive environmental toxicity information system, version 1.5.0D. Tidepool Scientific Software, McKinleyville, CA. 222 pp.

USEPA (US Environmental Protection Agency). 2002. Short-term methods for estimating the chronic toxicity of effluents and receiving waters to marine and estuarine organisms. EPA-821-R-02-014.

APPENDIX A – Rainbow trout toxicity test data

Rainbow Trout Summary Sheet

Client: AZIMUTH

Start Date/Time: Aug 31 / 10 @ 1730

Work Order No.: 10336

Test Species: *Oncorhynchus mykiss*

Sample Information:

Sample ID: GC-082310
Sample Date: Aug 23/10
Date Received: Aug 31/10
Sample Volume: 1x20L , 2 x20L
Other: Sample outside of holding time

Dilution Water:

Type: Dechlorinated Municipal Tap Water
Hardness (mg/L $CaCO_3$): 10
Alkalinity (mg/L $CaCO_3$): 8

Test Organism Information:

Batch No.: 061610
Source: Trout Lake Lodge
No. Fish/Volume (L): 10 / 10L
Loading Density: / 0.402
Mean Length ± SD (mm): 36 ± 4 — Range: 29 - 40
Mean Weight ± SD (g): 0.40 ± 0.14 — Range: 0.14 - 0.61

SDS Reference Toxicant Results:

Reference Toxicant ID: RT62
Stock Solution ID: 10508
Date Initiated: Aug 23/10
96-h LC50 (95% CL): 5.3 (4.3 - 6.6) mg/L SDS

Reference Toxicant Mean (2SD Range): 5.2 (4.4 - 6.1) mg/L SDS
Reference Toxicant CV (%): 8.5

Test Results: 96h LC50 > 100% (v/v)

Reviewed by: A. Tang

Date reviewed: December 22, 2010

96-Hour Rainbow Trout Toxicity Test Data Sheet

Client/Project#: Azimuth
Sample I.D.: GCC-082310
W.O. #: 10376
RBT Batch #: 061610
Date Collected/Time: Aug 23/10 @ 0800
Date Setup/Time: Aug 31/10 @ 1730
Sample Setup By: JCT

Number Fish/Volume: 10/10L
7-d % Mortality: 0 %
Total Pre-aeration Time (mins): 30 min
Aeration rate adjusted to 6.5 ± 1 mL/min/L? (Y/N): Y

D.O. meter: DO-1
pH meter: pH-1
Cond. Meter: C-1

Undiluted Sample WQ

Parameters	Initial WQ	Adjustment	30 min WQ
Temp °C	14.0	/	14.0
pH	7.8		7.8
D.O. (mg/L)	9.8		9.8
Cond. (µS/cm)	11560		11560

Concentration %(V/V)	# Survivors							Temperature (°C)					Dissolved Oxygen (mg/L)					pH					Conductivity (µS/cm)	
	1	2	4	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	96
control				10	10	10	10	14.5	14.5	14.5	14.5	14.5	10.1	10.0	9.9	9.8	9.8	6.9	7.0	7.0	7.1	7.2	34	39
6.25				10	10	10	10	14.3	14.5	14.5	14.5	14.5	10.1	10.0	9.9	9.7	9.7	7.0	7.1	7.2	7.1	7.3	585	613
12.5				10	10	10	10	14.2	14.5	14.5	14.5	14.5	9.9	9.9	9.9	9.8	9.8	7.2	7.2	7.3	7.2	7.2	1596	1606
25				10	10	10	10	14.1	14.5	14.5	14.5	14.5	9.9	9.9	9.8	9.7	9.8	7.6	7.5	7.5	7.5	7.6	3980	3980
50				10	10	10	10	14.0	14.5	14.5	14.5	14.5	9.9	9.8	9.8	9.8	9.9	7.7	7.9	7.8	7.7	7.9	7460	7520
100				10	10	10	10	14.0	14.5	14.5	14.5	14.5	9.9	9.8	9.7	9.8	9.9	7.8	7.8	7.9	7.8	7.8	11560	11840
Initials				JCT	JCT	JCT	~	JCT	JCT	JCT	JCT	~	JCT	JCT	JCT	JCT	~	JCT	JCT	JCT	JCT	~	JCT	~

Sample Description/Comments: clear

Fish Description at 96? all fish appear OK

Other Observations:

Reviewed by: A. Tang

Date Reviewed: December 22, 2010

Issued October 29, 2008; Ver. 2.0

Nautilus Environmental

APPENDIX B – *Daphnia magna* toxicity test data

Daphnia magna Summary Sheet

Client:	Azimuth	Start Date/Time:	Sept 1/10 @ 1015h
Work Order No.:	10337	Test Species:	D.magna
		Set up by:	~~[illegible]~~ AD

Sample Information:

Sample ID:	GC-082310
Sample Date:	Aug 23/10
Date Received:	Aug 31/10
Sample Volume:	2-2L

Test Organism Information:

Broodstock No.:	081110
Age of young (Day 0):	< 24 hours
Avg No. young per brood in previous 7 d:	27
Mortality (%) in previous 7 d:	10
Days to first brood:	11

NaCl Reference Toxicant Results:

Reference Toxicant ID:	DM61
Stock Solution ID:	09NaO5
Date Initiated:	Aug 26/10
48-h LC50 (95% CL):	3.9 (3.2 - 4.9) g/LNaCL
Reference Toxicant Mean (2SD Range):	4.0 (3.6-4.6) g/L NaCL
Reference Toxicant CV (%):	6

Test Results: The 48-h LC50 > 100% (v/v)

Reviewed by: A. Tang

Date reviewed: December ~~23~~ 22, 2010

Freshwater Acute
48 Hour Toxicity Test Data Sheet

Client: Arrawth
Sample ID: GC082310 ~~Renfrew Bay~~ LT
Work Order No.: 10337

Start Date/Time: Sept 1/10 @ 1015h
No. Organisms/volume: 10/200mL
Test Organism: *D.magna*
Set up by: ~

DO meter: DO-1
pH meter: pH-1
Conductivity meter: C-1

Concentration % (v/v)	Rep	Number of Live Organisms 24	48	No. Immobilized 48	Temperature (°C) 0	24	48	Dissolved oxygen (mg/L) 0	24	48	pH 0	24	48	Conductivity (µS/cm) 0	48
Control	A	10	10	0	20.0	19.0	20.0	9.1		8.9	8.1		8.0	381	385
	B														
	C														
	D														
6.25	A	10	10	0	20.0	19.0	20.0	9.0		8.8	8.0		8.1	817	815
	B														
	C														
	D														
12.5	A	10	10	0	20.0	19.0	20.0	9.0		8.7	8.0		8.1	2410	2020
	B														
	C														
	D														
25	A	10	10	0	20.0	19.0	20.0	8.9		8.6	7.9		8.0	3470	3520
	B														
	C														
	D														
50	A	10	10	0	20.0	19.0	20.0	8.8		8.7	7.8		8.0	7160	7240
	B														
	C														
	D														
100	A	10	6	0	20.0	19.0	20.0	8.9		8.7	7.8		8.0	11740	12070
	B														
	C														
	D														
Technician Initials		~	~	~	~	~	~	~		~	~		~	~	~

	Hardness*	Alkalinity*
Conc.	*(mg/L as CaCo3)	
Control (MHW)	100	70
Highest conc.	2550	130

	Initial WQ	Adjustment	Adjusted WQ
Temp (°C)	20.0		
DO (mg/L)	8.9		
pH	7.8		
Cond (µS/cm)	11740		

Sample Description: Light yellow

Comments: Batch#: DF110A+B 7-d previous # young/brood: 27 Day of 1st Brood: 11 Previous 7-d % Mortality: 10

Reviewed by: A. Teng Date reviewed: December 23, 2010.

APPENDIX C – *Champia parvula* toxicty test data

AQUATOX

AquaTox Testing & Consulting Inc.
11B Nicholas Beaver Rd.
RR 3
Guelph ON N1H 6H9
Tel: (519) 763-4412 Fax: (519) 763-4419

Work Order :	217611
Sample Number :	28196

SAMPLE IDENTIFICATION

Company :	Nautilus Environmental		
Location :	Victoria BC	Date Collected :	2010-08-23
Substance :	GC-082310	Time Collected :	07:00
Sampling Method :	Grab	Date Received :	2010-08-27
Sampled By :	C.K.	Time Received :	13:50
Temp. on arrival :	21.0°C	Date Tested :	2010-08-27
Sample Description :	Clear, colourless, odourless.		

Test Method : Test of Sexual Reproduction using the Red Macroalga *Champia parvula*. EPA-821-R-02-014, October 2002, Method 1009.0, with Canadian adaptations (Environment Canada 1998, 1999).

TEST RESULTS

Effect	Value	95% Confidence Limits	Statistical Method
IC25 (Reproduction)	41.1%	37.3-43.9	Linear Interpolation (CETIS) a

The results reported relate only to the sample tested.

SODIUM DODECYL SULPHATE (SDS) REFERENCE TOXICANT DATA

Date Tested :	2010-08-27	Statistical Method :	Linear Interpolation (CETIS)[a]
Organism Batch :	Cp10-08	Historical Mean IC25 :	0.101 mg/L
Test Duration :	48 hrs exposure, 7 days recovery	Warning Limits (± 2SD) :	0.070 - 0.145 mg/L
IC25 (Reproduction) :	0.097 mg/L	Analyst(s) :	EJ/VC
95% Confidence Limits :	0.088 - 0.107 mg/L		

TEST CONDITIONS

Test Organism :	*Champia parvula*	Test Type :	Static
Organism Batch :	Cp10-08	Sample Filtration :	None
Test Organism Source :	In-house culture	Control/Dilution Water :	Natural seawater (no chemicals added)
Life Stage :	Sexually mature	Control/Dilution Water Source :	Pointe-du-Chene, Shediac Bay NB
Mean Culture Mortality :	0 % (previous 7 days)	Concentrations Tested :	5 (minimum), Control and Brine Control
Males per Test Chamber :	2 (having sori with spermatia)	Replicates per Concentration :	3
Females per Test Chamber :	5 (having trichogynes)	Volume per Replicate :	100 mL
pH Adjustment :	None	Test Chamber :	240 mL polystyrene cup
Exposure Duration :	48 hours	Depth of Test Solution :	5.0 cm
Aeration during Exposure :	None	Photoperiod (h) :	16 light / 8 dark
Recovery Duration :	6 days	Light Intensity :	1024 - 1247 lux
Aeration during Recovery :	Yes; ≤ 100 bubbles/min	Test Method Deviation(s) :	See 'Comments'

COMMENTS

Noted Deviation(s) : The maximum holding time of 3 days was exceeded. The sample was not received at the laboratory within the 3-day holding time, test was initiated as per clients request.

•No organisms appearing unhealthy, discoloured, or otherwise stressed, or undergoing unusual treatment, were used in the test.

•All test validity criteria as specified in the test method cited above were satisfied.

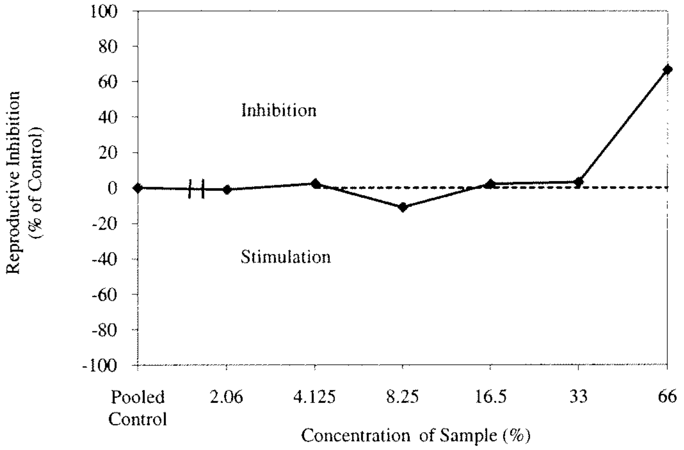
•No significant difference (α=0.05) between controls was detected by Equal Variance t Two Sample Test (CETIS)[a]. Therefore, controls were pooled prior to statistical analysis of the test endpoint(s).

•Maximum effluent concentration tested was 66% due to salinity adjustment using hypersaline brine, and the addition of nutrient stocks to the 100% effluent.

•This report is based on the Environment Canada Guidance Document: Report Assessment Checklist for the Pulp and Paper and Metal Mining EEM Programs, April 2005.

Work Order : 217611
Sample Number : 28196

Champia parvula Reproductive Inhibition



SALINITY ADJUSTMENT

Method : Hypersaline Brine Addition
Salt Added : Instant Ocean™
Aging Conditions : 4±2°C, sealed in complete darkness, with minimal air space
Reference : Salinity Adjustment Guidance Document. Environment Canada, revised December 2001.

Date	Initial Salinity (‰)	Initial pH	Volume Adjusted	Amount of Brine Added	Salinity After Adjustment (‰)	pH After Salinity Adjustment	Analyst(s)	Aging Time (h)
2010-08-27	10	7.8	750 mL	250 mL	30	8.0	EJ/VC	4

REFERENCES

[a] CETIS, © 2001-2007. Comprehensive Environmental Toxicity Information System. Tidepool Scientific Software, McKinleyville, Calif. 95519 [Program on disk and printed User's Guide].

Date : 2010-10-01
yyyy-mm-dd

Approved By : [signature]
Project Manager

Work Order : 217611
Sample Number : 28196

Cystocarp Counts at Test Termination

Initiated By : VC
Initiation Date : 2010-08-27
Terminated By : VC
Termination Date : 2010-09-04

Concentration (%)	Replicate	Plant 1	Plant 2	Plant 3	Plant 4	Plant 5	Replicate Mean	Treatment Mean	Standard Deviation	CV (%)
Control	A	27	31	26	24	47	31.0			
	B	39	54	18	34	29	34.8	32.5	2.0	6.2
	C	32	40	35	32	20	31.8			
Brine Control*	A	22	36	47	28	57	38.0[1]			
	B	29	33	50	38	40	38.0	36.1	3.2	8.9
	C	45	29	33	30	25	32.4			
2.06	A	35	39	41	37	38	38.0			
	B	23	41	38	29	34	33.0	34.7	2.8	8.9
	C	32	36	25	37	36	33.2			
4.125	A	34	41	34	22	30	32.2			
	B	38	32	27	31	44	34.4	33.5	1.2	8.2
	C	50	27	30	34	29	34.0			
8.25	A	42	22	45	48	31	37.6			
	B	51	24	36	43	38	38.4	38.1	0.5	3.5
	C	44	50	26	38	34	38.4			
16.5	A	33	27	22	44	31	31.4			
	B	25	31	52	24	37	33.8	33.6	2.1	1.2
	C	34	39	38	28	39	35.6			
33	A	34	31	30	27	41	32.6			
	B	35	42	27	36	22	32.4	33.3	1.3	6.3
	C	29	26	35	50	34	34.8			
66	A	16	9	13	11	10	11.8			
	B	14	11	8	18	12	12.6	11.5	1.3	4.0
	C	7	7	12	10	14	10.0			

"–" = not counted/not required

*'Brine Control' is a control prepared by Hypersaline Brine Addition with Instant Ocean™ according to: Salinity Adjustment Guidance Document (2001). Environment Canada, revised December 2001.

[1] Outlier according to Grubbs Test (CETIS)[a]. Test data were analyzed with outlier(s) both included and excluded. The outlier(s) was included in calculation of the final result since exclusion had little effect on the final test outcome.

Cumulative Plant Mortality

Observation Period

Concentration (%)	♂ 0 Hours Number Dead	♂ 0 Hours Mortality (%)	♀ 0 Hours Number Dead	♀ 0 Hours Mortality (%)	♂ 48 Hours Number Dead	♂ 48 Hours Mortality (%)	♀ 48 Hours Number Dead	♀ 48 Hours Mortality (%)	♀ Test Completion Number Dead	♀ Test Completion Mortality (%)
Control	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Brine Control	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2.06	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4.125	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8.25	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
16.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
33	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
66	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Test Data Reviewed By: KEH

Date: 2010-10-01

Work Order : 217611
Sample Number: 28196

WATER CHEMISTRY DATA

Initial Water Chemistry (100% Sample)

	Temperature (°C)	pH	Dissolved O_2 (mg/L)	O_2 Saturation (%)*	Salinity (‰)	Pre-aeration Time (h)[2]
Initial Chemistry :	23.0	7.9	8.6	108	10	–
Chemistry after Salinity Adjustment [1]:	22.0	8.0	7.7	110	30	–
Chemistry after Pre-Aeration [2]:	23.0	8.0	7.1	101	30	3:05

Exposure Period Water Chemistry

0 hours
Date & Time : 2010-08-27 18:15
Analyst(s) : VC

Conc.(%)	pH	D.O. (mg/L)	O_2 Sat. (%)*	Salinity (‰)	Temp. (°C)
66	8.0		101	30	23.0
33	7.8	7.1	101	30	23.0
16.5	7.7	7.1	101	30	23.0
8.25	7.7	7.2	102	30	23.0
4.125	7.6	7.1	101	30	23.0
2.06	7.6	7.2	101	30	23.0
Brine Control	7.8	7.1	101	30	23.0
Control	7.7	7.1	101	30	23.0

48 hours
Date & Time : 2010-08-29 17:15
Analyst(s) : AS

Conc.(%)	pH	D.O. (mg/L)	O_2 Sat. (%)*	Salinity (‰)	Temp. (°C)
66	9.1	7.1	102	30	23.0
33	9.0	7.0	101	30	23.0
16.5	9.0	7.1	102	30	23.0
8.25	9.0	7.1	102	30	23.0
4.125	9.0	7.0	101	30	23.0
2.06	9.0	7.0	101	30	23.0
Brine Control	9.0	7.0	101	30	23.0
Control	9.0	7.0	101	30	23.0

Recovery Period Water Chemistry

0 hours
Date & Time : 2010-08-29 17:15
Analyst(s) : AS

Conc.(%)	pH	D.O. (mg/L)	O_2 Sat. (%)*	Salinity (‰)	Temp. (°C)
66	7.7	6.9	99	30	23.0
33	7.7	6.9	99	30	23.0
16.5	7.7	6.9	99	30	23.0
8.25	7.7	6.9	99	30	23.0
4.125	7.7	6.9	99	30	23.0
2.06	7.7	6.9	99	30	23.0
Brine Control	7.7	6.9	99	30	23.0
Control	7.7	6.9	99	30	23.0

Test Completion
Date & Time : 2010-09-04 15:50
Analyst(s) : VC

Conc.(%)	pH	D.O. (mg/L)	O_2 Sat. (%)*	Salinity (‰)	Temp. (°C)
66	8.4	6.6	96	30	23.0
33	8.4	6.5	95	30	23.0
16.5	8.3	6.5	95	30	23.0
8.25	8.4	6.5	95	30	23.0
4.125	8.3	6.5	95	30	23.0
2.06	8.4	6.4	94	30	23.0
Brine Control	8.5	6.5	95	30	23.0
Control	8.3	6.5	95	30	23.0

Daily Temperature Monitoring

Date	Temp. (°C)	Analyst(s)
2010-08-27	24.0	VC
2010-08-28	23.0	JL
2010-08-29	24.0	AS
2010-08-30	23.0	EJ
2010-08-31	24.0	EJ
2010-09-01	24.0	EJ
2010-09-02	24.0	EJ
2010-09-03	24.0	EJ
2010-09-04	24.0	EJ
2010-09-05	24.0	EJ

[1] if applicable
[2] @ <100 bubbles/min
* adjusted for barometric pressure

APPENDIX D - Chain of Custody Form

TESTING LOCATION

Nautilus Environmental

Chain of Custody

British Columbia
8664 Commerce Court
Burnaby, British Columbia, Canada V5A 4N3
Phone 604.420.8773
Fax 604.357.1361

Date Aug 23/10 Page 1 of 1

Sample Collection By:

Report to:

Company	Azimuth Consulting Group, Inc.
Address	218-2902 West Broadway
City/State/Zip	Vancouver, BC, V6K 2G8
Contact	Cheryl Mackintosh/ Randy Baker
Phone	604-730-1220
Email	cmackintosh@azimuthgroup.ca

Invoice To:

Company	same as report
Address	
City/State/Zip	
Contact	
Phone	
Email	

	SAMPLE ID	DATE	TIME	MATRIX	CONTAINER TYPE	NO. OF CONTAINERS	COMMENTS	96hr rainbow trout LC50	48hr Daphnia magna LC50									Receipt Temperature (°C)
1	GC-082310	2010-08-23	8:00 am	Seawater	20 L carboy	1		X	X									8.7
2					2 L plastic	2	(extra water - same sample as above)	W6 #10331	W6 #10332									
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

PROJECT INFORMATION		SAMPLE RECEIPT	
Client:	Teck (Polaris)	Total No. of Containers	3
PO No.:	TC-10-01	Received Good Condition?	✓
Shipped Via:	First Air/Air Canada	Matches Test Schedule?	

RELINQUISHED BY (CLIENT)

(Signature) Curtis Kidd (Time) 8:30 am
(Printed Name) CURTIS KIDD (Date) AUG. 23/10
(Company) AECOM

RELINQUISHED BY (COURIER)

(Signature) (Time)
(Printed Name) (Date)
(Company)

SPECIAL INSTRUCTIONS/COMMENTS:

RECEIVED BY (COURIER)

(Signature) (Time)
(Printed Name) (Date)
(Company)

RECEIVED BY (LABORATORY)

(Signature) (Time) 1400
(Printed Name) John T. (Date) Aug 31/10
(Company)

Additional costs may be required for sample disposal or storage. Payment net 30 unless otherwise contracted.

APPENDIX 3

Garrow Lake Water Column

Minimum Ice Conditions

Hydrolab Data

(August 30, 2010)

Garrow Lake Stratification Using Hydrolab

Station: GLC — Sampler: Curtis Kidd

UTM: — Date/Time: Mon. Aug. 30/10

Water Depth: 40 m

Depth (M)	Temp	Conductivity	pH	Dissolved Oxygen	Redox	Observations/Comments
0	3.81	13.81	8.62	12.9	279	
1	3.8	13.79	8.64	12.86	277	
2	3.77	13.79	8.66	12.85	275	
3	3.72	13.79	8.67	12.82	273	
4	3.71	13.82	8.68	12.8	272	
5	3.7	13.81	8.68	12.77	270	
6	3.7	13.81	8.69	12.78	269	
7	3.88	16.2	8.62	15.32	270	
8	3.77	13.98	8.67	13.38	264	
9	4.13	16.4	8.59	13.65	268	
9.5	4.86	24.5	8.27	9.69	279	
10	5.84	52.9	7.8	1.38	290	
10.5	6.48	73.9	7.81	0.87	283	
11	7.01	84.8	7.84	0.78	279	
12	7.33	89.6	7.85	0.72	272	
13	7.56	90.3	7.83	0.44	261	
14	7.46	91	7.83	0.2	222	
15	7.02	91.6	7.85	0.19	182	
16	6.77	91.6	7.88	0.17	160	
17	6.65	91.5	7.89	0.17	153	
18	6.61	91.5	7.89	0.17	148	
19	6.58	91.5	7.9	0.16	118	
20	6.54	91.5	7.91	0.15	46	
21	6.54	91.5	7.92	0.15	6	
22	6.54	91.5	7.92	0.15	-20	
23	6.53	91.5	7.92	0.14	-46	
24	6.53	91.5	7.92	0.14	-64	
25	6.53	91.5	7.92	0.14	-85	
26	6.54	91.5	7.92	0.14	-103	
27	6.56	91.5	7.91	0.13	-119	
28	6.59	91.5	7.9	0.13	-134	
29	6.61	91.6	7.89	0.12	-147	
30	6.61	91.7	7.88	0.13	-157	
31	6.68	91.8	7.87	0.12	-167	
32	6.74	91.8	7.84	0.12	-178	
33	6.84	91.9	7.82	0.12	-187	
34	6.97	92	7.79	0.12	-194	
35	7.04	92.2	7.77	0.13	-199	
36	7.18	92.6	7.74	0.12	-202	
37	7.3	92.8	7.71	0.12	-204	
38	7.36	93	7.7	0.11	-205	
39	7.46	93.2	7.68	0.12	-205	
40	7.48	93.3	7.68	0.12	-205	

APPENDIX 4

Garrow Lake Water Column

Minimum Ice Conditions

Water Quality Data

(August 30, 2010)

Your Project #: TC10-01 POLARIS MINE, GARROW L
Site: LITTTLE CORNWALIS ISL. NU
Your C.O.C. #: 08322062, 08322063, 08322064, 08322065, 08322066

Attention: Randy Baker
AZIMUTH CONSULTING GROUP
218 - 2902 WEST BROADWAY
VANCOUVER, BC
CANADA V6K 2G8

Report Date: 2010/09/28

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B082374
Received: 2010/09/08, 09:30

Sample Matrix: Sea Water
Samples Received: 48

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Water	48	2010/09/10	2010/09/10	BRN SOP-00264 R4.0	Based on SM2320B
Cyanide (Total)	8	N/A	2010/09/08	BRN SOP-00226 R2.0	Based on EPA 9012AR1
Conductance - water	48	N/A	2010/09/10	BRN SOP-00264 R2.0	Based on SM-2510B
Na, K, Ca, Mg, S by CRC ICPMS (total)	29	N/A	2010/09/16	BRN SOP-00206	Based on EPA 200.8
Na, K, Ca, Mg, S by CRC ICPMS (total)	19	N/A	2010/09/17	BRN SOP-00206	Based on EPA 200.8
Metals by Chelation CRC ICPMS (tot)	18	N/A	2010/09/18	BRN SOP-00206	Based on EPA 200.8
Metals by Chelation CRC ICPMS (tot)	14	N/A	2010/09/22	BRN SOP-00206	Based on EPA 200.8
Metals by Chelation CRC ICPMS (tot)	15	N/A	2010/09/26	BRN SOP-00206	Based on EPA 200.8
Elements by CRC ICPMS (total) - Seawater	3	N/A	2010/09/15	BRN SOP-00206 R7.0	Based on EPA 200.8
Elements by CRC ICPMS (total) - Seawater	45	N/A	2010/09/16	BRN SOP-00206 R7.0	Based on EPA 200.8
pH Water	48	N/A	2010/09/10	BRN SOP-00264 R4.0	Based on SM-4500H+B
Salinity by Conductivity Method	48	2010/09/10	2010/09/10		Based on SMAA 2520B
Sulphide	14	N/A	2010/09/13	BRN SOP-00228 R5.0	SM - 4500 S2 D
Total Suspended Solids-LowLevel	45	N/A	2010/09/10	BRN SOP-00277 R5.0	Based on SM-2540 D

* Results relate only to the items tested.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

ROB MACARTHUR, BBY Customer Service
Email: rob.macarthur@maxxamanalytics.com
Phone# (604) 639-8431

==
Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 1

Maxxam Job #: B082374
Report Date: 2010/09/28

AZIMUTH CONSULTING GROUP
Client Project #: TC10-01 POLARIS MINE, GARROW L
Site Reference: LITTTLE CORNWALIS ISL. NU
Sampler Initials: CK

RESULTS OF CHEMICAL ANALYSES OF SEA WATER

Maxxam ID		W81461	W81462	W81463	W81464	W81465	W81466	W81467	W81468	W81469		
Sampling Date		2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30		
	Units	**GLS-2M**	**GLS-3M**	**GLS-4M**	**GLS-5M**	**GLS-6M**	**GLS-7M**	**GLS-8M**	**GLS-9M**	**GLS-10M**	**RDL**	**QC Batch**
Misc. Inorganics												
Cyanide + Thiocyanate	mg/L	<0.0005	<0.0005		<0.0005					0.0022	0.0005	4243747
Salinity	g/L	7.45	7.56	7.42	7.54	7.53	7.58	7.55	9.18	13.6	0.01	4252052
Alkalinity (Total as CaCO3)	mg/L	110	110	110	110	110	120	120	140	150	0.5	4251993
Alkalinity (PP as CaCO3)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4251993
Bicarbonate (HCO3)	mg/L	140	140	140	140	140	140	140	160	180	0.5	4251993
Carbonate (CO3)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4251993
Hydroxide (OH)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4251993
MISCELLANEOUS												
Sulphide	mg/L					<0.005					0.005	4254027
Physical Properties												
Conductivity	uS/cm	13000	13100	12900	13100	13100	13200	13100	15700	22500	1	4251940
pH	pH Units	8.13	8.04	8.04	8.05	8.07	8.13	8.06	8.07	8.01		4251806
Physical Properties												
Total Suspended Solids	mg/L	3	2	3	3	2	2	2	2	4	1	4248617

RDL = Reportable Detection Limit

Maxxam Job #: B082374
Report Date: 2010/09/28

AZIMUTH CONSULTING GROUP
Client Project #: TC10-01 POLARIS MINE, GARROW L
Site Reference: LITTTLE CORNWALIS ISL. NU
Sampler Initials: CK

RESULTS OF CHEMICAL ANALYSES OF SEA WATER

Maxxam ID		W81470	W81471	W81472	W81483	W81484	W81485	W81486	W81487	W81488		
Sampling Date		2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30		
	Units	**GLS-11M**	**GLS-12M**	**GLS-13M**	**GLS-14M**	**GLS-15M**	**GLS-16M**	**GLS-17M**	**GLS-18M**	**GLS-19M**	**RDL**	**QC Batch**
Misc. Inorganics												
Salinity	g/L	56.1	63.5	63.9	64.5	63.9	64.6	64.8	64.5	64.2	0.01	4252052
Alkalinity (Total as CaCO3)	mg/L	370	410	410	420	420	420	430	430	420	0.5	4251993
Alkalinity (PP as CaCO3)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4251993
Bicarbonate (HCO3)	mg/L	450	500	500	510	510	520	520	520	510	0.5	4251993
Carbonate (CO3)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4251993
Hydroxide (OH)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4251993
MISCELLANEOUS												
Sulphide	mg/L				0.006				0.008	0.108	0.005	4254027
Physical Properties												
Conductivity	uS/cm	80300	89300	89800	90500	89800	90600	90800	90400	90100	1	4251940
pH	pH Units	7.63	7.71	7.66	7.69	7.61	7.65	7.83	7.61	7.68		4251806
Physical Properties												
Total Suspended Solids	mg/L	17	19	16	19	15	27	14	16	14	1	4248617

Maxxam ID		W81489	W81490	W81491	W81499	W81500	W81501	W81502	W81503	W81504		
Sampling Date		2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30		
	Units	**GLS-20M**	**GLS-0M**	**GLS-1M**	**GLC- 2M**	**GLC- 3M**	**GLC- 4M**	**GLC- 5M**	**GLC- 6M**	**GLC- 7M**	**RDL**	**QC Batch**
Misc. Inorganics												
Cyanide + Thiocyanate	mg/L				<0.0005	<0.0005		<0.0005			0.0005	4243747
Salinity	g/L	64.3	63.5	7.55	7.56	7.48	7.58	7.53	7.51	7.53	0.01	4252052
Alkalinity (Total as CaCO3)	mg/L	420	120	110	110	110	120	110	110	110	0.5	4251993
Alkalinity (PP as CaCO3)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4251993
Bicarbonate (HCO3)	mg/L	520	140	140	140	140	140	140	140	140	0.5	4251993
Carbonate (CO3)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4251993
Hydroxide (OH)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4251993
MISCELLANEOUS												
Sulphide	mg/L	0.181							<0.005		0.005	4254027
Physical Properties												
Conductivity	uS/cm	90200	13100	13100	13100	13000	13200	13100	13100	13100	1	4251940
pH	pH Units	7.68	8.07	8.07	8.01	8.06	8.07	8.06	8.02	8.02		4251806
Physical Properties												
Total Suspended Solids	mg/L	16	3	3	3	2	2	2	2	3	1	4248617

RDL = Reportable Detection Limit

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Maxxam Job #: B082374
Report Date: 2010/09/28

AZIMUTH CONSULTING GROUP
Client Project #: TC10-01 POLARIS MINE, GARROW L
Site Reference: LITTTLE CORNWALIS ISL. NU
Sampler Initials: CK

RESULTS OF CHEMICAL ANALYSES OF SEA WATER

Maxxam ID		W81505	W81506	W81507	W81508	W81509	W81510	W81525	W81526	W81527		
Sampling Date		2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30		
	Units	**GLC- 8M**	**GLC- 9M**	**GLC- 10M**	**GLC- 11M**	**GLC- 12M**	**GLC- 13M**	**GLC- 14M**	**GLC- 15M**	**GLC- 16M**	**RDL**	**QC Batch**
Misc. Inorganics												
Cyanide + Thiocyanate	mg/L			<0.0005							0.0005	4243747
Salinity	g/L	7.58	8.61	15.8	52.3	63.2	63.3	63.9	64.3	64.6	0.01	4252052
Alkalinity (Total as CaCO3)	mg/L	110	130	160	370	410	420	420	430	420	0.5	4251993
Alkalinity (PP as CaCO3)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4251993
Bicarbonate (HCO3)	mg/L	140	160	190	460	500	510	510	520	510	0.5	4251993
Carbonate (CO3)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4251993
Hydroxide (OH)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4251993
MISCELLANEOUS												
Sulphide	mg/L							0.008			0.005	4254027
Physical Properties												
Conductivity	uS/cm	13200	14800	25900	81700	88900	89000	89800	90200	90600	1	4251940
pH	pH Units	8.05	8.07	7.85	7.77	7.66	7.74	7.61	7.67	7.72		4251806
Physical Properties												
Total Suspended Solids	mg/L	4	4	5	18	16	19	12	25	21	1	4248617

RDL = Reportable Detection Limit

Maxxam Job #: B082374
Report Date: 2010/09/28

AZIMUTH CONSULTING GROUP
Client Project #: TC10-01 POLARIS MINE, GARROW L
Site Reference: LITTTLE CORNWALIS ISL. NU
Sampler Initials: CK

RESULTS OF CHEMICAL ANALYSES OF SEA WATER

Maxxam ID		W81528	W81529	W81530	W81531	W81532		W81533		
Sampling Date		2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30		2010/08/30		
	Units	**GLC- 17M**	**GLC- 18M**	**GLC- 19M**	**GLC- 20M**	**GLC- 22M**	**RDL**	**GLC- 30M**	**RDL**	**QC Batch**
Misc. Inorganics										
Salinity	g/L	64.5	64.3	63.9	64.5	63.9	0.01	64.5	0.01	4252052
Alkalinity (Total as CaCO3)	mg/L	420	430	420	420	420	0.5	420	0.5	4251993
Alkalinity (PP as CaCO3)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	0.5	4251993
Bicarbonate (HCO3)	mg/L	510	520	520	510	520	0.5	510	0.5	4251993
Carbonate (CO3)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	0.5	4251993
Hydroxide (OH)	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	0.5	4251993
MISCELLANEOUS										
Sulphide	mg/L				0.093	0.152	0.005	1.37	0.05	4254027
Physical Properties										
Conductivity	uS/cm	90500	90200	89700	90400	89800	1	90400	1	4251940
pH	pH Units	7.66	7.63	7.63	7.67	7.79		7.57		4251806
Physical Properties										
Total Suspended Solids	mg/L	21	18	19	27	17	1	15	1	4248617

Maxxam ID		W81534	W81535	W81536		W81549	W81550	W81551		
Sampling Date		2010/08/30	2010/08/30	2010/08/30		2010/08/30	2010/08/30	2010/08/30		
	Units	**GLC- 38M**	**GLC- 0M**	**GLC- 1M**	**RDL**	**TB**	**EB-GL-1**	**FB-GL-2**	**RDL**	**QC Batch**
Misc. Inorganics										
Salinity	g/L	65.5	7.54	7.57	0.01	<0.01	0.05	<0.01	0.01	4252052
Alkalinity (Total as CaCO3)	mg/L	410	110	120	0.5	1.1	1.0	<0.5	0.5	4251993
Alkalinity (PP as CaCO3)	mg/L	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	0.5	4251993
Bicarbonate (HCO3)	mg/L	500	140	140	0.5	1.4	1.2	<0.5	0.5	4251993
Carbonate (CO3)	mg/L	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	0.5	4251993
Hydroxide (OH)	mg/L	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	0.5	4251993
MISCELLANEOUS										
Sulphide	mg/L	2.65			0.05	0.008	<0.005	<0.005	0.005	4254027
Physical Properties										
Conductivity	uS/cm	91600	13100	13200	1	9	99	6	1	4251940
pH	pH Units	7.67	8.08	8.07		5.73	5.83	5.55		4251806
Physical Properties										
Total Suspended Solids	mg/L	790	2	3	1					4248617

RDL = Reportable Detection Limit

Maxxam Job #: B082374
Report Date: 2010/09/28

AZIMUTH CONSULTING GROUP
Client Project #: TC10-01 POLARIS MINE, GARROW L
Site Reference: LITTTLE CORNWALIS ISL. NU
Sampler Initials: CK

ELEMENTS BY ATOMIC SPECTROSCOPY (SEA WATER)

Maxxam ID		W81461	W81462	W81463		W81464	W81465	W81466	W81467	W81468	W81469		
Sampling Date		2010/08/30	2010/08/30	2010/08/30		2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30		
	Units	**GLS-2M**	**GLS-3M**	**GLS-4M**	**QC Batch**	**GLS-5M**	**GLS-6M**	**GLS-7M**	**GLS-8M**	**GLS-9M**	**GLS-10M**	**RDL**	**QC Batch**
Total Metals by ICPMS													
Total Aluminum (Al)	ug/L	19	<10	<10	4259512	15	<10	<10	<10	13	<10	10	4259512
Total Antimony (Sb)	ug/L	0.7	0.7	0.6	4259512	0.6	0.6	0.6	<0.5	1.1	0.6	0.5	4259512
Total Arsenic (As)	ug/L	0.8	<0.5	<0.5	4259512	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4259512
Total Barium (Ba)	ug/L	74	75	74	4259512	75	75	73	72	88	82	1	4259512
Total Beryllium (Be)	ug/L	<1	<1	<1	4259512	<1	<1	<1	<1	<1	<1	1	4259512
Total Bismuth (Bi)	ug/L	<1	<1	<1	4259512	<1	<1	<1	<1	<1	<1	1	4259512
Total Boron (B)	ug/L	879	955	978	4259512	985	994	1010	1020	1180	1760	50	4259512
Total Cadmium (Cd)	ug/L	0.50	0.48	0.52	4259927	0.48	0.50	0.54	0.49	0.56	0.80	0.01	4259930
Total Chromium (Cr)	ug/L	<0.5	<0.5	<0.5	4259512	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4259512
Total Cobalt (Co)	ug/L	0.2	<0.1	<0.1	4259512	<0.1	<0.1	<0.1	<0.1	0.1	0.1	0.1	4259512
Total Copper (Cu)	ug/L	0.91	0.91	0.89	4259927	0.95	0.93	0.90	0.92	1.33	1.65	0.05	4259930
Total Iron (Fe)	ug/L	17	15	13	4259927	17	28	17	17	21	16	1	4259930
Total Lead (Pb)	ug/L	0.12	0.12	0.10	4259927	0.13	0.13	0.13	0.15	0.99	1.17	0.05	4259930
Total Lithium (Li)	ug/L	74	81	82	4259512	84	86	85	85	101	141	20	4259512
Total Manganese (Mn)	ug/L	10.2	7.0	6.0	4259512	5.0	5.0	5.4	5.3	6.1	17.9	0.5	4259512
Total Nickel (Ni)	ug/L	4.48	4.15	4.31	4259927	4.46	4.30	4.11	4.11	5.78	5.58	0.05	4259930
Total Molybdenum (Mo)	ug/L	3	2	2	4259512	3	2	2	2	3	3	1	4259512
Total Phosphorus (P)	ug/L	<50	<50	<50	4259512	<50	<50	<50	<50	<50	<50	50	4259512
Total Selenium (Se)	ug/L	0.7	<0.5	<0.5	4259512	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4259512
Total Silicon (Si)	ug/L	588	568	576	4259512	568	606	590	580	730	1420	100	4259512
Total Silver (Ag)	ug/L	<0.05	<0.05	<0.05	4259512	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	4259512
Total Strontium (Sr)	ug/L	2480	2500	2500	4259512	2510	2490	2470	2460	2960	4270	10	4259512
Total Thallium (Tl)	ug/L	0.1	<0.1	<0.1	4259512	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	4259512
Total Tin (Sn)	ug/L	<1	<1	<1	4259512	<1	<1	<1	<1	<1	<1	1	4259512
Total Titanium (Ti)	ug/L	<10	<10	<10	4259512	<10	<10	<10	<10	<10	<10	10	4259512
Total Zinc (Zn)	ug/L	204	209	199	4259927	207	198	197	203	259	363	0.5	4259930
Total Uranium (U)	ug/L	1.34	1.24	1.22	4259512	1.20	1.23	1.17	1.21	1.41	1.45	0.05	4259512
Total Vanadium (V)	ug/L	<10	<10	<10	4259512	<10	<10	<10	<10	<10	<10	10	4259512
Total Calcium (Ca)	mg/L	142	141	141	4245024	143	143	142	143	170	228	1	4245024
Total Magnesium (Mg)	mg/L	295	307	310	4245024	315	307	316	309	369	575	1	4245024
Total Potassium (K)	mg/L	73	75	75	4245024	76	74	75	74	90	147	1	4245024
Total Sodium (Na)	mg/L	2250	2340	2360	4245024	2390	2330	2380	2350	2800	4490	1	4245024
Total Sulphur (S)	mg/L	239	219	252	4245024	257	257	267	263	301	471	20	4245024

RDL = Reportable Detection Limit

Maxxam Job #: B082374
Report Date: 2010/09/28

AZIMUTH CONSULTING GROUP
Client Project #: TC10-01 POLARIS MINE, GARROW L
Site Reference: LITTTLE CORNWALIS ISL. NU
Sampler Initials: CK

ELEMENTS BY ATOMIC SPECTROSCOPY (SEA WATER)

Maxxam ID		W81470	W81471	W81472	W81483	W81484	W81485	W81486	W81487	W81488		
Sampling Date		2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30		
	Units	**GLS-11M**	**GLS-12M**	**GLS-13M**	**GLS-14M**	**GLS-15M**	**GLS-16M**	**GLS-17M**	**GLS-18M**	**GLS-19M**	**RDL**	**QC Batch**
Total Metals by ICPMS												
Total Aluminum (Al)	ug/L	18	<10	15	<10	<10	<10	<10	<10	24	10	4259512
Total Antimony (Sb)	ug/L	1.2	0.9	0.9	<0.5	0.6	0.6	0.5	0.6	0.6	0.5	4259512
Total Arsenic (As)	ug/L	1.1	0.9	1.1	0.9	1.0	0.8	0.9	0.8	0.9	0.5	4259512
Total Barium (Ba)	ug/L	53	57	60	61	59	60	60	59	63	1	4259512
Total Beryllium (Be)	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	4259512
Total Bismuth (Bi)	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	4259512
Total Boron (B)	ug/L	6890	7360	7470	7560	7440	7490	7610	7450	7580	50	4259512
Total Cadmium (Cd)	ug/L	0.42	0.06	0.03	0.02	0.01	0.01	<0.01	0.02	0.87	0.01	4259930
Total Chromium (Cr)	ug/L	1.6	1.6	1.7	1.4	2.0	1.6	1.6	1.5	2.0	0.5	4259512
Total Cobalt (Co)	ug/L	2.0	2.2	1.9	1.5	1.5	1.3	1.2	1.1	1.2	0.1	4259512
Total Copper (Cu)	ug/L	1.16	0.68	0.38	0.38	0.30	0.26	0.26	0.23	0.59	0.05	4259930
Total Iron (Fe)	ug/L	42	57	70	329	504	496	423	406	353	1	4259930
Total Lead (Pb)	ug/L	0.52	0.89	0.41	0.53	0.66	0.59	0.51	0.53	0.89	0.05	4259930
Total Lithium (Li)	ug/L	481	498	503	499	495	494	498	499	499	20	4259512
Total Manganese (Mn)	ug/L	209	188	197	166	167	152	155	154	151	0.5	4259512
Total Nickel (Ni)	ug/L	9.55	7.93	7.50	5.81	5.71	5.23	5.20	4.99	4.77	0.05	4259930
Total Molybdenum (Mo)	ug/L	5	6	5	5	5	5	5	4	5	1	4259512
Total Phosphorus (P)	ug/L	<50	<50	<50	<50	<50	<50	<50	<50	<50	50	4259512
Total Selenium (Se)	ug/L	1.6	1.2	1.5	1.6	1.8	1.8	1.9	1.9	1.7	0.5	4259512
Total Silicon (Si)	ug/L	10900	12700	13500	14600	14500	14600	14600	14800	14500	100	4259512
Total Silver (Ag)	ug/L	0.22	0.23	0.17	0.14	0.16	0.16	0.19	0.15	0.15	0.05	4259512
Total Strontium (Sr)	ug/L	17900	18800	19400	19600	19400	19300	19500	19500	19500	10	4259512
Total Thallium (Tl)	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	4259512
Total Tin (Sn)	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	4259512
Total Titanium (Ti)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	10	4259512
Total Zinc (Zn)	ug/L	350	36.6	20.4	17.5	11.8	10.5	9.8	10.0	12.9	0.5	4259930
Total Uranium (U)	ug/L	6.21	7.28	7.35	7.39	7.00	7.09	6.85	6.90	7.02	0.05	4259512
Total Vanadium (V)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	10	4259512
Total Calcium (Ca)	mg/L	867	906	932	958	944	951	953	956	947	1	4245024
Total Magnesium (Mg)	mg/L	2800	2890	3060	3010	3090	2930	3040	2990	2950	1	4245024
Total Potassium (K)	mg/L	686	770	820	816	838	801	828	815	795	1	4245024
Total Sodium (Na)	mg/L	20400	21800	23100	22900	23600	22500	23300	22900	22400	1	4245024
Total Sulphur (S)	mg/L	2570	2540	2670	2600	2690	2560	2660	2620	2550	20	4245024

RDL = Reportable Detection Limit

Maxxam Job #: B082374
Report Date: 2010/09/28

AZIMUTH CONSULTING GROUP
Client Project #: TC10-01 POLARIS MINE, GARROW L
Site Reference: LITTTLE CORNWALIS ISL. NU
Sampler Initials: CK

ELEMENTS BY ATOMIC SPECTROSCOPY (SEA WATER)

Maxxam ID		W81489		W81490	W81491	W81499	W81500	W81501	W81502	W81503	W81504		
Sampling Date		2010/08/30		2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30		
	Units	**GLS-20M**	**QC Batch**	**GLS-0M**	**GLS-1M**	**GLC- 2M**	**GLC- 3M**	**GLC- 4M**	**GLC- 5M**	**GLC- 6M**	**GLC- 7M**	**RDL**	**QC Batch**
Total Metals by ICPMS													
Total Aluminum (Al)	ug/L	<10	4259512	14	10	13	<10	<10	12	<10	<10	10	4259580
Total Antimony (Sb)	ug/L	0.6	4259512	0.8	0.7	0.7	0.6	0.7	0.8	<0.5	<0.5	0.5	4259580
Total Arsenic (As)	ug/L	0.7	4259512	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4259580
Total Barium (Ba)	ug/L	61	4259512	78	75	76	74	75	77	75	75	1	4259580
Total Beryllium (Be)	ug/L	<1	4259512	<1	<1	<1	<1	<1	<1	<1	<1	1	4259580
Total Bismuth (Bi)	ug/L	<1	4259512	<1	<1	<1	<1	<1	<1	<1	<1	1	4259580
Total Boron (B)	ug/L	7750	4259512	1000	1010	1030	1020	1040	1040	1040	1050	50	4259580
Total Cadmium (Cd)	ug/L	0.01	4263774	0.44	0.45	0.45	0.43	0.46	0.46	0.46	0.46	0.01	4263774
Total Chromium (Cr)	ug/L	1.5	4259512	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4259580
Total Cobalt (Co)	ug/L	1.3	4259512	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	4259580
Total Copper (Cu)	ug/L	0.12	4263774	0.81	0.92	0.95	0.88	0.90	0.86	0.97	0.99	0.05	4263774
Total Iron (Fe)	ug/L	381	4263774	16	15	17	17	17	15	17	20	1	4263774
Total Lead (Pb)	ug/L	0.31	4263774	0.21	0.13	0.21	0.17	0.13	0.14	0.22	0.18	0.05	4263774
Total Lithium (Li)	ug/L	507	4259512	85	84	86	84	85	87	88	85	20	4259580
Total Manganese (Mn)	ug/L	156	4259512	5.2	5.2	4.9	5.2	4.8	4.9	5.2	5.4	0.5	4259580
Total Nickel (Ni)	ug/L	4.58	4263774	4.17	4.20	4.39	4.25	4.29	4.33	4.26	4.41	0.05	4263774
Total Molybdenum (Mo)	ug/L	5	4259512	2	2	2	2	2	2	2	2	1	4259580
Total Phosphorus (P)	ug/L	<50	4259512	<50	<50	<50	<50	<50	<50	<50	<50	50	4259580
Total Selenium (Se)	ug/L	1.5	4259512	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4259580
Total Silicon (Si)	ug/L	15100	4259512	649	605	611	600	611	617	638	635	100	4259580
Total Silver (Ag)	ug/L	0.17	4259512	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	4259580
Total Strontium (Sr)	ug/L	19900	4259512	2540	2430	2470	2440	2470	2490	2450	2450	10	4259580
Total Thallium (Tl)	ug/L	<0.1	4259512	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	4259580
Total Tin (Sn)	ug/L	<1	4259512	<1	<1	<1	<1	<1	<1	<1	<1	1	4259580
Total Titanium (Ti)	ug/L	<10	4259512	<10	<10	<10	<10	<10	<10	<10	<10	10	4259580
Total Zinc (Zn)	ug/L	4.5	4263774	179	187	189	186	187	190	191	187	0.5	4263774
Total Uranium (U)	ug/L	7.07	4259512	1.19	1.19	1.08	1.15	1.16	1.16	1.03	1.18	0.05	4259580
Total Vanadium (V)	ug/L	<10	4259512	<10	<10	<10	<10	<10	<10	<10	<10	10	4259580
Total Calcium (Ca)	mg/L	985	4245024	145	142	145	141	144	146	142	142	1	4245024
Total Magnesium (Mg)	mg/L	3060	4245024	317	319	329	319	313	326	322	323	1	4245024
Total Potassium (K)	mg/L	830	4245024	78	78	81	78	78	81	80	80	1	4245024
Total Sodium (Na)	mg/L	23500	4245024	2390	2400	2470	2410	2380	2440	2400	2410	1	4245024
Total Sulphur (S)	mg/L	2680	4245024	257	262	280	265	273	247	276	272	20	4245024

RDL = Reportable Detection Limit

Maxxam Job #: B082374
Report Date: 2010/09/28

AZIMUTH CONSULTING GROUP
Client Project #: TC10-01 POLARIS MINE, GARROW L
Site Reference: LITTTLE CORNWALIS ISL. NU
Sampler Initials: CK

ELEMENTS BY ATOMIC SPECTROSCOPY (SEA WATER)

Maxxam ID		W81505	W81506	W81507	W81508	W81509	W81510		W81525	W81526	W81527		
Sampling Date		2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30		2010/08/30	2010/08/30	2010/08/30		
	Units	**GLC- 8M**	**GLC- 9M**	**GLC- 10M**	**GLC- 11M**	**GLC- 12M**	**GLC- 13M**	**QC Batch**	**GLC- 14M**	**GLC- 15M**	**GLC- 16M**	**RDL**	**QC Batch**
Total Metals by ICPMS													
Total Aluminum (Al)	ug/L	<10	<10	<10	<10	<10	<10	4259580	21	10	<10	10	4259580
Total Antimony (Sb)	ug/L	<0.5	0.7	0.8	1.1	0.9	0.8	4259580	0.6	0.5	0.5	0.5	4259580
Total Arsenic (As)	ug/L	<0.5	<0.5	<0.5	0.8	0.9	0.9	4259580	0.9	1.1	0.9	0.5	4259580
Total Barium (Ba)	ug/L	76	85	84	54	57	60	4259580	58	61	61	1	4259580
Total Beryllium (Be)	ug/L	<1	<1	<1	<1	<1	<1	4259580	<1	<1	<1	1	4259580
Total Bismuth (Bi)	ug/L	<1	<1	<1	<1	<1	<1	4259580	<1	<1	<1	1	4259580
Total Boron (B)	ug/L	1020	1190	2160	6930	7450	7550	4259580	7350	7670	7710	50	4259580
Total Cadmium (Cd)	ug/L	0.47	0.53	0.88	0.35	0.03	0.03	4263774	0.02	0.02	0.02	0.01	4263775
Total Chromium (Cr)	ug/L	<0.5	<0.5	<0.5	1.2	1.0	1.1	4259580	3.1	1.8	1.6	0.5	4259580
Total Cobalt (Co)	ug/L	<0.1	<0.1	0.2	1.9	2.0	1.9	4259580	1.5	1.3	1.3	0.1	4259580
Total Copper (Cu)	ug/L	0.89	1.05	1.41	1.04	0.51	0.38	4263774	0.24	0.34	0.32	0.05	4263775
Total Iron (Fe)	ug/L	17	15	13	36	54	100	4263774	286	528	449	1	4263775
Total Lead (Pb)	ug/L	0.15	0.13	0.18	0.52	0.41	0.48	4263774	0.48	0.54	0.54	0.05	4263775
Total Lithium (Li)	ug/L	84	97	165	482	500	506	4259580	493	512	506	20	4259580
Total Manganese (Mn)	ug/L	5.2	5.9	22.9	209	193	206	4259580	160	162	155	0.5	4259580
Total Nickel (Ni)	ug/L	4.21	4.89	6.00	8.97	8.27	6.38	4263774	5.18	5.52	5.14	0.05	4263775
Total Molybdenum (Mo)	ug/L	2	3	3	5	6	5	4259580	5	5	5	1	4259580
Total Phosphorus (P)	ug/L	<50	<50	<50	<50	<50	<50	4259580	<50	<50	<50	50	4259580
Total Selenium (Se)	ug/L	<0.5	<0.5	<0.5	1.4	1.4	1.3	4259580	1.6	1.9	1.9	0.5	4259580
Total Silicon (Si)	ug/L	603	692	1790	11100	13100	13600	4259580	14000	14400	14600	100	4259580
Total Silver (Ag)	ug/L	<0.05	<0.05	<0.05	0.24	0.24	0.12	4259580	0.09	0.13	0.14	0.05	4259580
Total Strontium (Sr)	ug/L	2430	2840	4980	18100	19300	19500	4259580	19000	19600	19600	10	4259580
Total Thallium (Tl)	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4259580	<0.1	<0.1	<0.1	0.1	4259580
Total Tin (Sn)	ug/L	<1	<1	<1	<1	<1	<1	4259580	<1	<1	<1	1	4259580
Total Titanium (Ti)	ug/L	<10	<10	<10	<10	<10	<10	4259580	<10	<10	<10	10	4259580
Total Zinc (Zn)	ug/L	190	221	393	276	22.3	13.8	4263774	12.1	11.2	10.0	0.5	4263775
Total Uranium (U)	ug/L	1.11	1.37	1.61	6.14	6.73	6.77	4259580	6.73	7.10	7.05	0.05	4259580
Total Vanadium (V)	ug/L	<10	<10	<10	<10	<10	<10	4259580	<10	<10	<10	10	4259580
Total Calcium (Ca)	mg/L	142	163	263	853	923	938	4245024	928	952	959	1	4245024
Total Magnesium (Mg)	mg/L	320	377	669	2800	3000	3060	4245024	2910	3030	3040	1	4245024
Total Potassium (K)	mg/L	79	92	175	692	804	827	4245024	798	835	833	1	4245024
Total Sodium (Na)	mg/L	2420	2830	5210	20500	22800	23200	4245024	22300	23200	23200	1	4245024
Total Sulphur (S)	mg/L	286	304	557	2580	2640	2680	4245024	2590	2700	2690	20	4245024

RDL = Reportable Detection Limit

Maxxam Job #: B082374
Report Date: 2010/09/28

AZIMUTH CONSULTING GROUP
Client Project #: TC10-01 POLARIS MINE, GARROW L
Site Reference: LITTTLE CORNWALIS ISL. NU
Sampler Initials: CK

ELEMENTS BY ATOMIC SPECTROSCOPY (SEA WATER)

Maxxam ID		W81528	W81529	W81530		W81531	W81532	W81533		
Sampling Date		2010/08/30	2010/08/30	2010/08/30		2010/08/30	2010/08/30	2010/08/30		
	Units	**GLC- 17M**	**GLC- 18M**	**GLC- 19M**	**QC Batch**	**GLC- 20M**	**GLC- 22M**	**GLC- 30M**	**RDL**	**QC Batch**
Total Metals by ICPMS										
Total Aluminum (Al)	ug/L	<10	12	<10	4259580	<10	<10	<10	10	4259655
Total Antimony (Sb)	ug/L	0.5	0.6	0.5	4259580	<0.5	0.6	<0.5	0.5	4259655
Total Arsenic (As)	ug/L	0.8	0.8	0.8	4259580	0.6	0.7	0.7	0.5	4259655
Total Barium (Ba)	ug/L	60	61	60	4259580	59	61	55	1	4259655
Total Beryllium (Be)	ug/L	<1	<1	<1	4259580	<1	<1	<1	1	4259655
Total Bismuth (Bi)	ug/L	<1	<1	<1	4259580	<1	<1	<1	1	4259655
Total Boron (B)	ug/L	7740	7620	7600	4259580	7210	7390	7480	50	4259655
Total Cadmium (Cd)	ug/L	0.02	0.01	0.01	4263775	0.01	0.01	0.02	0.01	4263775
Total Chromium (Cr)	ug/L	1.6	1.9	1.2	4259580	1.3	1.4	1.2	0.5	4259655
Total Cobalt (Co)	ug/L	1.3	1.3	1.1	4259580	1.2	1.2	0.8	0.1	4259655
Total Copper (Cu)	ug/L	0.21	0.65	0.24	4263775	0.16	0.27	0.45	0.05	4263775
Total Iron (Fe)	ug/L	427	273	382	4263775	272	392	308	1	4263775
Total Lead (Pb)	ug/L	0.46	0.39	0.40	4263775	0.25	0.77	2.64	0.05	4263775
Total Lithium (Li)	ug/L	504	509	505	4259580	489	500	503	20	4259655
Total Manganese (Mn)	ug/L	155	155	154	4259580	148	152	139	0.5	4259655
Total Nickel (Ni)	ug/L	5.33	4.86	4.90	4263775	4.80	4.75	2.18	0.05	4263775
Total Molybdenum (Mo)	ug/L	5	5	5	4259580	5	5	2	1	4259655
Total Phosphorus (P)	ug/L	<50	<50	<50	4259580	<50	<50	64	50	4259655
Total Selenium (Se)	ug/L	1.9	1.5	1.9	4259580	1.6	1.9	0.9	0.5	4259655
Total Silicon (Si)	ug/L	14400	14400	14400	4259580	13200	13900	14000	100	4259655
Total Silver (Ag)	ug/L	0.18	0.12	0.09	4259580	0.20	0.11	0.10	0.05	4259655
Total Strontium (Sr)	ug/L	19600	19500	19300	4259580	19200	19200	19400	10	4259655
Total Thallium (Tl)	ug/L	<0.1	<0.1	<0.1	4259580	<0.1	<0.1	<0.1	0.1	4259655
Total Tin (Sn)	ug/L	<1	<1	<1	4259580	<1	<1	<1	1	4259655
Total Titanium (Ti)	ug/L	<10	<10	<10	4259580	<10	<10	<10	10	4259655
Total Zinc (Zn)	ug/L	8.7	7.3	6.9	4263775	5.3	28.5	7.6	0.5	4263775
Total Uranium (U)	ug/L	7.11	6.92	6.96	4259580	7.01	6.81	6.05	0.05	4259655
Total Vanadium (V)	ug/L	<10	<10	<10	4259580	<10	<10	<10	10	4259655
Total Calcium (Ca)	mg/L	957	960	953	4245024	923	939	932	1	4245024
Total Magnesium (Mg)	mg/L	3020	3020	2940	4245024	2910	2960	3050	1	4245024
Total Potassium (K)	mg/L	821	823	803	4245024	801	805	835	1	4245024
Total Sodium (Na)	mg/L	23100	23100	22500	4245024	22400	22700	23400	1	4245024
Total Sulphur (S)	mg/L	2620	2630	2570	4245024	2560	2560	2670	20	4245024

RDL = Reportable Detection Limit

Maxxam Job #: B082374
Report Date: 2010/09/28

AZIMUTH CONSULTING GROUP
Client Project #: TC10-01 POLARIS MINE, GARROW L
Site Reference: LITTTLE CORNWALIS ISL. NU
Sampler Initials: CK

ELEMENTS BY ATOMIC SPECTROSCOPY (SEA WATER)

Maxxam ID		W81534	W81535	W81536	W81549	W81550	W81551		
Sampling Date		2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30	2010/08/30		
	Units	**GLC- 38M**	**GLC- 0M**	**GLC- 1M**	**TB**	**EB-GL-1**	**FB-GL-2**	**RDL**	**QC Batch**
Total Metals by ICPMS									
Total Aluminum (Al)	ug/L	1150	10	<10	<10	<10	<10	10	4259655
Total Antimony (Sb)	ug/L	0.9	0.6	<0.5	<0.5	<0.5	<0.5	0.5	4259655
Total Arsenic (As)	ug/L	4.8	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4259655
Total Barium (Ba)	ug/L	62	75	78	<1	2	<1	1	4259655
Total Beryllium (Be)	ug/L	<1	<1	<1	<1	<1	<1	1	4259655
Total Bismuth (Bi)	ug/L	<1	<1	<1	<1	<1	<1	1	4259655
Total Boron (B)	ug/L	7190	1020	1050	<50	129	<50	50	4259655
Total Cadmium (Cd)	ug/L		0.49	0.48	<0.01	0.02	<0.01	0.01	4263775
Total Chromium (Cr)	ug/L	26.9	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4259655
Total Cobalt (Co)	ug/L	1.0	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	4259655
Total Copper (Cu)	ug/L		1.80	1.03	<0.05	0.31	<0.05	0.05	4263775
Total Iron (Fe)	ug/L		18	13	<1	6	<1	1	4263775
Total Lead (Pb)	ug/L		0.41	0.29	<0.05	2.61	<0.05	0.05	4263775
Total Lithium (Li)	ug/L	479	72	78	<20	<20	<20	20	4259655
Total Manganese (Mn)	ug/L	3560	5.8	5.9	<0.5	1.3	<0.5	0.5	4259655
Total Nickel (Ni)	ug/L		4.95	4.43	<0.05	0.11	<0.05	0.05	4263775
Total Molybdenum (Mo)	ug/L	3	2	2	<1	<1	<1	1	4259655
Total Phosphorus (P)	ug/L	1260	<50	<50	<50	<50	<50	50	4259655
Total Selenium (Se)	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	4259655
Total Silicon (Si)	ug/L	14900	661	640	<100	108	<100	100	4259655
Total Silver (Ag)	ug/L	0.25	0.17	0.13	<0.05	0.07	<0.05	0.05	4259655
Total Strontium (Sr)	ug/L	18700	2360	2490	<10	97	<10	10	4259655
Total Thallium (Tl)	ug/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	4259655
Total Tin (Sn)	ug/L	<1	<1	<1	<1	<1	<1	1	4259655
Total Titanium (Ti)	ug/L	16	<10	<10	<10	<10	<10	10	4259655
Total Zinc (Zn)	ug/L		206	201	<0.5	47.3	<0.5	0.5	4263775
Total Uranium (U)	ug/L	4.94	0.99	1.10	<0.05	<0.05	<0.05	0.05	4259655
Total Vanadium (V)	ug/L	23	<10	<10	<10	<10	<10	10	4259655
Total Calcium (Ca)	mg/L	2240	141	139	<1	5	<1	1	4245024
Total Magnesium (Mg)	mg/L	3490	315	324	<1	16	<1	1	4245024
Total Potassium (K)	mg/L	775	80	83	<1	4	<1	1	4245024
Total Sodium (Na)	mg/L	21500	2270	2330	<1	115	<1	1	4245024
Total Sulphur (S)	mg/L	2250	290	278	<20	<20	<20	20	4245024

RDL = Reportable Detection Limit

General Comments

Sample W81534-01: Sample GLC-38M contained too much sediment for chelation extraction.

ELEMENTS BY ATOMIC SPECTROSCOPY (SEA WATER) Comments

Sample W81490-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81491-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81499-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81500-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81501-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81502-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81503-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81504-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81505-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81506-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81507-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81508-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81509-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81510-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81525-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81526-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81527-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81528-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81529-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81530-04 Elements by CRC ICPMS (total) - Seawater:
B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81531-03 Elements by CRC ICPMS (total) - Seawater: B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81532-04 Elements by CRC ICPMS (total) - Seawater: B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81533-04 Elements by CRC ICPMS (total) - Seawater: B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81534-04 Elements by CRC ICPMS (total) - Seawater: B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81535-04 Elements by CRC ICPMS (total) - Seawater: B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81536-04 Elements by CRC ICPMS (total) - Seawater: B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81549-03 Elements by CRC ICPMS (total) - Seawater: B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81550-03 Elements by CRC ICPMS (total) - Seawater: B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Sample W81551-03 Elements by CRC ICPMS (total) - Seawater: B recovery for CCV exceeds aceptance criteria of 125% due to carry over.

Maxxam Job #: B082374
Report Date: 2010/09/28

AZIMUTH CONSULTING GROUP
Client Project #: TC10-01 POLARIS MINE, GARROW L
Site Reference: LITTTLE CORNWALIS ISL. NU
Sampler Initials: CK

QUALITY ASSURANCE REPORT

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	Units	Value (%)	QC Limits
4243747	Cyanide + Thiocyanate	2010/09/08	115	80 - 120	109	80 - 120	<0.0005	mg/L	NC	20
4248617	Total Suspended Solids	2010/09/10			102	80 - 120	<1	mg/L		
4251940	Conductivity	2010/09/10			103	80 - 120	<1	uS/cm	0.4	20
4251993	Alkalinity (Total as CaCO3)	2010/09/10	NC	80 - 120	99	80 - 120	<0.5	mg/L	0.8	20
4251993	Alkalinity (PP as CaCO3)	2010/09/10					<0.5	mg/L	NC	20
4251993	Bicarbonate (HCO3)	2010/09/10					<0.5	mg/L	0.8	20
4251993	Carbonate (CO3)	2010/09/10					<0.5	mg/L	NC	20
4251993	Hydroxide (OH)	2010/09/10					<0.5	mg/L	NC	20
4252052	Salinity	2010/09/10					<0.01	g/L	0.1	25
4254027	Sulphide	2010/09/13	105	80 - 120	97	80 - 120	0.006, RDL=0.005	mg/L	NC	20
4259512	Total Arsenic (As)	2010/09/15	98	75 - 125	91	75 - 125	<0.5	ug/L	NC	25
4259512	Total Barium (Ba)	2010/09/15	NC	75 - 125	98	75 - 125	<1	ug/L	3.1	25
4259512	Total Beryllium (Be)	2010/09/15	104	75 - 125	96	75 - 125	<1	ug/L	NC	25
4259512	Total Chromium (Cr)	2010/09/15	102	75 - 125	96	75 - 125	<0.5	ug/L	NC	25
4259512	Total Cobalt (Co)	2010/09/15	98	75 - 125	95	75 - 125	<0.1	ug/L	NC	25
4259512	Total Lithium (Li)	2010/09/15	NC	75 - 125	95	75 - 125	<20	ug/L	NC	25
4259512	Total Manganese (Mn)	2010/09/15	95	75 - 125	95	75 - 125	<0.5	ug/L	20.2	25
4259512	Total Selenium (Se)	2010/09/15	100	75 - 125	90	75 - 125	<0.5	ug/L	NC	25
4259512	Total Strontium (Sr)	2010/09/15	NC	75 - 125	90	75 - 125	<10	ug/L	0.7	25
4259512	Total Titanium (Ti)	2010/09/15	117	75 - 125	109	75 - 125	<10	ug/L	NC	25
4259512	Total Uranium (U)	2010/09/15	104	75 - 125	101	75 - 125	<0.05	ug/L	3.9	25
4259512	Total Vanadium (V)	2010/09/15	106	75 - 125	93	75 - 125	<10	ug/L	NC	25
4259512	Total Aluminum (Al)	2010/09/15					<10	ug/L	NC	25
4259512	Total Antimony (Sb)	2010/09/15					<0.5	ug/L	NC	25
4259512	Total Bismuth (Bi)	2010/09/15					<1	ug/L	NC	25
4259512	Total Boron (B)	2010/09/15					<50	ug/L	3.4	25
4259512	Total Molybdenum (Mo)	2010/09/15					<1	ug/L	NC	25
4259512	Total Phosphorus (P)	2010/09/15					<50	ug/L	NC	25
4259512	Total Silicon (Si)	2010/09/15					<100	ug/L	4.0	25
4259512	Total Silver (Ag)	2010/09/15					<0.05	ug/L	NC	25
4259512	Total Thallium (Tl)	2010/09/15					<0.1	ug/L	NC	25
4259512	Total Tin (Sn)	2010/09/15					<1	ug/L	NC	25
4259580	Total Arsenic (As)	2010/09/16	99	75 - 125	95	75 - 125	<0.5	ug/L	NC	25
4259580	Total Barium (Ba)	2010/09/16	NC	75 - 125	102	75 - 125	<1	ug/L	1.8	25
4259580	Total Beryllium (Be)	2010/09/16	112	75 - 125	107	75 - 125	<1	ug/L	NC	25
4259580	Total Chromium (Cr)	2010/09/16	102	75 - 125	100	75 - 125	<0.5	ug/L	NC	25
4259580	Total Cobalt (Co)	2010/09/16	96	75 - 125	99	75 - 125	<0.1	ug/L	NC	25
4259580	Total Lithium (Li)	2010/09/16	NC	75 - 125	114	75 - 125	<20	ug/L	NC	25
4259580	Total Manganese (Mn)	2010/09/16	104	75 - 125	103	75 - 125	<0.5	ug/L	11.1	25
4259580	Total Selenium (Se)	2010/09/16	95	75 - 125	93	75 - 125	<0.5	ug/L	NC	25

Maxxam Job #: B082374
Report Date: 2010/09/28

AZIMUTH CONSULTING GROUP
Client Project #: TC10-01 POLARIS MINE, GARROW L
Site Reference: LITTTLE CORNWALIS ISL. NU
Sampler Initials: CK

QUALITY ASSURANCE REPORT

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	Units	Value (%)	QC Limits
4259580	Total Strontium (Sr)	2010/09/16	NC	75 - 125	91	75 - 125	<10	ug/L	2.9	25
4259580	Total Titanium (Ti)	2010/09/16	112	75 - 125	104	75 - 125	<10	ug/L	NC	25
4259580	Total Uranium (U)	2010/09/16	101	75 - 125	98	75 - 125	<0.05	ug/L	1.7	25
4259580	Total Vanadium (V)	2010/09/16	106	75 - 125	98	75 - 125	<10	ug/L	NC	25
4259580	Total Aluminum (Al)	2010/09/16					<10	ug/L	NC	25
4259580	Total Antimony (Sb)	2010/09/16					<0.5	ug/L	NC	25
4259580	Total Bismuth (Bi)	2010/09/16					<1	ug/L	NC	25
4259580	Total Boron (B)	2010/09/16					<50	ug/L	0.3	25
4259580	Total Molybdenum (Mo)	2010/09/16					<1	ug/L	NC	25
4259580	Total Phosphorus (P)	2010/09/16					<50	ug/L	NC	25
4259580	Total Silicon (Si)	2010/09/16					<100	ug/L	8.1	25
4259580	Total Silver (Ag)	2010/09/16					<0.05	ug/L	NC	25
4259580	Total Thallium (Tl)	2010/09/16					<0.1	ug/L	NC	25
4259580	Total Tin (Sn)	2010/09/16					<1	ug/L	NC	25
4259655	Total Arsenic (As)	2010/09/16	95	75 - 125	93	75 - 125	<0.5	ug/L	NC	25
4259655	Total Barium (Ba)	2010/09/16	NC	75 - 125	102	75 - 125	<1	ug/L	3.9	25
4259655	Total Beryllium (Be)	2010/09/16	97	75 - 125	109	75 - 125	<1	ug/L	NC	25
4259655	Total Chromium (Cr)	2010/09/16	110	75 - 125	98	75 - 125	<0.5	ug/L	NC	25
4259655	Total Cobalt (Co)	2010/09/16	98	75 - 125	96	75 - 125	<0.1	ug/L	13.4	25
4259655	Total Lithium (Li)	2010/09/16	NC	75 - 125	116	75 - 125	<20	ug/L	2.9	25
4259655	Total Manganese (Mn)	2010/09/16	NC	75 - 125	102	75 - 125	<0.5	ug/L	2.8	25
4259655	Total Selenium (Se)	2010/09/16	88	75 - 125	91	75 - 125	<0.5	ug/L	NC	25
4259655	Total Strontium (Sr)	2010/09/16	NC	75 - 125	92	75 - 125	<10	ug/L	2.7	25
4259655	Total Titanium (Ti)	2010/09/16	134 (1, 2)	75 - 125	110	75 - 125	<10	ug/L	NC	25
4259655	Total Uranium (U)	2010/09/16	102	75 - 125	96	75 - 125	<0.05	ug/L	0.3	25
4259655	Total Vanadium (V)	2010/09/16	118	75 - 125	100	75 - 125	<10	ug/L	NC	25
4259655	Total Aluminum (Al)	2010/09/16					<10	ug/L	NC	25
4259655	Total Antimony (Sb)	2010/09/16					<0.5	ug/L	NC	25
4259655	Total Bismuth (Bi)	2010/09/16					<1	ug/L	NC	25
4259655	Total Boron (B)	2010/09/16					<50	ug/L	3.8	25
4259655	Total Molybdenum (Mo)	2010/09/16					<1	ug/L	NC	25
4259655	Total Phosphorus (P)	2010/09/16					<50	ug/L	NC	25
4259655	Total Silicon (Si)	2010/09/16					<100	ug/L	5.4	25
4259655	Total Silver (Ag)	2010/09/16					<0.05	ug/L	NC	25
4259655	Total Thallium (Tl)	2010/09/16					<0.1	ug/L	NC	25
4259655	Total Tin (Sn)	2010/09/16					<1	ug/L	NC	25
4259927	Total Cadmium (Cd)	2010/09/18	101	80 - 120	99	80 - 120	<0.01	ug/L	NC	25
4259927	Total Copper (Cu)	2010/09/18	91	80 - 120	96	80 - 120	0.06, RDL=0.05	ug/L	4.9	25
4259927	Total Lead (Pb)	2010/09/18	90	80 - 120	101	80 - 120	<0.05	ug/L	NC	25
4259927	Total Nickel (Ni)	2010/09/18	95	80 - 120	87	80 - 120	<0.05	ug/L	16.9	25

Maxxam Job #: B082374
Report Date: 2010/09/28

AZIMUTH CONSULTING GROUP
Client Project #: TC10-01 POLARIS MINE, GARROW L
Site Reference: LITTTLE CORNWALIS ISL. NU
Sampler Initials: CK

QUALITY ASSURANCE REPORT

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	Units	Value (%)	QC Limits
4259927	Total Zinc (Zn)	2010/09/18	NC	80 - 120	94	80 - 120	<0.5	ug/L	1.2	25
4259927	Total Iron (Fe)	2010/09/18					<1	ug/L	NC	25
4259930	Total Cadmium (Cd)	2010/09/18	104	80 - 120	93	80 - 120	<0.01	ug/L	2.3	25
4259930	Total Copper (Cu)	2010/09/18	89	80 - 120	84	80 - 120	<0.05	ug/L	3.9	25
4259930	Total Lead (Pb)	2010/09/18	98	80 - 120	93	80 - 120	<0.05	ug/L	NC	25
4259930	Total Nickel (Ni)	2010/09/18	87	80 - 120	83	80 - 120	<0.05	ug/L	9.0	25
4259930	Total Zinc (Zn)	2010/09/18	NC	80 - 120	100	80 - 120	<0.5	ug/L	3.6	25
4259930	Total Iron (Fe)	2010/09/18					<1	ug/L	11.4	25
4263774	Total Cadmium (Cd)	2010/09/26	93	80 - 120	93	80 - 120	<0.01	ug/L	NC	25
4263774	Total Copper (Cu)	2010/09/26	89	80 - 120	91	80 - 120	<0.05	ug/L	8.1	25
4263774	Total Lead (Pb)	2010/09/26	89	80 - 120	96	80 - 120	<0.05	ug/L	2.2	25
4263774	Total Nickel (Ni)	2010/09/26	NC	80 - 120	87	80 - 120	<0.05	ug/L	3.5	25
4263774	Total Zinc (Zn)	2010/09/26	NC	80 - 120	90	80 - 120	<0.5	ug/L	2.4	25
4263774	Total Iron (Fe)	2010/09/26					<1	ug/L	16.4	25
4263775	Total Cadmium (Cd)	2010/09/22	95	80 - 120	99	80 - 120	<0.01	ug/L	NC	25
4263775	Total Copper (Cu)	2010/09/22	92	80 - 120	100	80 - 120	<0.05	ug/L	NC	25
4263775	Total Lead (Pb)	2010/09/22	92	80 - 120	99	80 - 120	<0.05	ug/L	1.2	25
4263775	Total Nickel (Ni)	2010/09/22	NC	80 - 120	97	80 - 120	<0.05	ug/L	1.1	25
4263775	Total Zinc (Zn)	2010/09/22	NC	80 - 120	100	80 - 120	<0.5	ug/L	0.7	25
4263775	Total Iron (Fe)	2010/09/22					<1	ug/L	2.4	25

N/A = Not Applicable
RDL = Reportable Detection Limit
RPD = Relative Percent Difference
Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.
Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.
Spiked Blank: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.
Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.
NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was not sufficiently significant to permit a reliable recovery calculation.
NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.
(1) - Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.
(2) - Matrix Spike outside acceptance criteria (10% of analytes failure allowed)

Maxxam Analytics Inc

Sample delivery to: 4606 Canada Way, Burnaby, BC, V5G 1K5, Tel: (604) 734-7276
Contact: Rob MacArthur Tel: (604) 734-7276, Fax: (604) 731-2386,
www.maxxamanalytics.com

COC# [redacted]

ANALYTICAL REQUEST FORM

Invoice To: Require Report? Yes [x] No [ ]

	Invoice To	Report To
Company Name:	Azimuth Consulting Group	same as invoice
Contact Name:	Randy Baker or Cheryl Mackintosh	
Address:	218-2902 West Broadway	
	Vancouver, BC PC: V6K 2G8	PC:
Phone / Fax#:	Ph: 604-730-1220 Fax: 604-739-8511	Ph: Fax:

PO# / AFE#:	
Quotation #:	B00428
Project #:	TC10-01
Proj. Name:	Polaris Mine, Garrow Lake
Location:	Little Cornwallis Isl, NU
Sampler's Initials:	CK

REGULATORY REQUIREMENTS:

- [ ] CSR
- [ ] CCME
- [ ] CCME FWAL
- [x] MMER
- [ ] PST
- [ ] CDWQG
- [ ] G50

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- [x] Email: rbaker@azimuthgroup.ca, cmackintosh@azimuthgroup.ca, bruce.donald@teck.com

SERVICE REQUESTED:

- [ ] RUSH (Please ensure you contact the lab)
  Date Required:
- [x] REGULAR Turnaround

METALS: (WATERS)

- [x] Total
- [ ] Extractable
- [ ] Dissolved

ANALYSIS REQUESTED (Lab use only)

#	Sample Identification	Matrix	Date/Time Sampled	Sample Type Grab/Comp	Hold > 60 Days	Sample Container #	total suspended solids	conductivity, pH, salinity, alkalinity	hardness	total metals in seawater by chelation	total metals in seawater by dilution	suphide	cyanide - total
1	GLS-2m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x		x
2	GLS-3m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x		x
3	GLS-4m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
4	GLS-5m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x		x
5	GLS-6m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x	x	
6	GLS-7m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
7	GLS-8m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
8	GLS-9m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
9	GLS-10m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x		x
10	GLS-11m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
11	GLS-12m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
12	GLS-13m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
	** For water samples, please indicate if sample container has been preserved (P) and/or filtered (F).									P	P	P	P

Relinquished By: ~~Curtis Kidd~~ CURTIS KIDD
Signature: Curtis Kidd
Date/Time: Sept. 4/10

Received: NICK SANDER Sept 8/10 @ 9:30

Temperature: 10°C (x14) 9°C (x7)

Login check

COMMENTS/SPECIAL INSTRUCTIONS: *Water is hypersaline, for TSS measurement run 1-2L distilled water through filters!!!; Note 2 methods of analysis are requested for total metals; Total metals have been preserved with HNO3; Sulfide has been preserved with NaOH and zinc acetate; Cyanide has been preserved with NaOH*

B082374

08322062

Maxxam Analytics Inc

Sample delivery to: 4606 Canada Way, Burnaby, BC, V5G 1K5, Tel: (604) 734-7276
Contact: Rob MacArthur Tel: (604) 734-7276, Fax: (604) 731-2386,
www.maxxamanalytics.com

COC# [redacted]

ANALYTICAL REQUEST FORM

Page 2 of 5

Invoice To: Require Report? Yes [x] No [ ]

Company Name:	Azimuth Consulting Group
Contact Name:	Randy Baker or Cheryl Mackintosh
Address:	218-2902 West Broadway
	Vancouver, BC PC: V6K 2G8
Phone / Fax#:	Ph: 604-730-1220 Fax: 604-739-8511

Report To:

same as invoice

PC:

Ph: Fax:

PO# / AFE#:	
Quotation #:	B00428
Project # :	TC10-01
Proj. Name:	Polaris Mine, Garrow Lake
Location:	Little Cornwallis Isl, NU
Sampler's Initials:	CK

REGULATORY REQUIREMENTS:

- [ ] CSR
- [ ] CCME
- [ ] CCME FWAL
- [x] MMER
- [ ] PST
- [ ] CDWQG
- [ ] G50

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- [x] Email: rbaker@azimuthgroup.ca, cmackintosh@azimuthgroup.ca, bruce.donald@teck.com

SERVICE REQUESTED:

- [ ] RUSH (Please ensure you contact the lab)
  Date Required:
- [x] REGULAR Turnaround

METALS: (WATERS)

- [x] Total
- [ ] Extractable
- [ ] Dissolved

ANALYSIS REQUESTED (Lab use only)

	Sample Identification	Matrix	Date/Time Sampled	Sample Type Grab/Comp	Hold > 60 Days	Sample Container #	total suspended solids	conductivity, pH, salinity, alkalinity	hardness	total metals in seawater by chelation	total metals in seawater by dilution	suphide											
1	GLS-14m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x	x											
2	GLS-15m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x												
3	GLS-16m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x												
4	GLS-17m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x												
5	GLS-18m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x												
6	GLS-19m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x	x											
7	GLS-20m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x	x											
8	GLS-0m	Seawater	2010-Aug-30	"		4	X	X	X	X	X												
9	GLS-1m	Seawater	2010-Aug-30	"		4	X	X	X	X	X												
10																							
11																							
12																							
** For water samples, please indicate if sample container has been preserved (P) and/or filtered (F).										P	P	P											

Relinquished By: Curtis Kidd **Date/Time:** Sept. 4/10

Signature: Curtis Kidd

COMMENTS/SPECIAL INSTRUCTIONS: *Water is hypersaline, for TSS measurement run 1-2L distilled water through filters!!!; Note 2 methods of analysis are requested for total metals; Total metals have been preserved with HNO3; Sulfide has been preserved with NaOH and zinc acetate; Cyanide has been preserved with NaOH*

Received: Nick Sandor Sept 8/10 @ 9:30

Temperature: 10°C (x14) 9°C (x7)

Login check

B082374

08322063

Maxxam Analytics Inc

Sample delivery to: 4606 Canada Way, Burnaby, BC, V5G 1K5, Tel: (604) 734-7276
Contact: Rob MacArthur Tel: (604) 734-7276, Fax: (604) 731-2386,
www.maxxamanalytics.com

COC# [redacted]

ANALYTICAL REQUEST FORM

Invoice To: Require Report? Yes [x] No [ ]

Company Name:	Azimuth Consulting Group
Contact Name:	Randy Baker or Cheryl Mackintosh
Address:	218-2902 West Broadway
	Vancouver, BC PC: V6K 2G8
Phone / Fax#:	Ph: 604-730-1220 Fax: 604-739-8511

Report To: same as invoice

PC:

Ph: Fax:

PO# / AFE#:	
Quotation #:	B00428
Project #:	TC10-01
Proj. Name:	Polaris Mine, Garrow Lake
Location:	Little Cornwallis Isl, NU
Sampler's Initials:	CK

REGULATORY REQUIREMENTS:

- [ ] CSR
- [ ] CCME
- [ ] CCME FWAL
- [x] MMER
- [ ] PST
- [ ] CDWQG
- [ ] G50

REPORT DISTRIBUTION:

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- [ ] Other:
- [x] Email: rbaker@azimuthgroup.ca
  cmackintosh@azimuthgroup.ca
  bruce.donald@teck.com

SERVICE REQUESTED:

- [ ] RUSH (Please ensure you contact the lab)
  Date Required:
- [x] REGULAR Turnaround

METALS: (WATERS)

- [x] Total
- [ ] Extractable
- [ ] Dissolved

ANALYSIS REQUESTED (Lab use only)

	Sample Identification	Matrix	Date/Time Sampled	Sample Type Grab/Comp	Hold > 60 Days	Sample Container #	total suspended solids	conductivity, pH, salinity, alkalinity	hardness	total metals in seawater by chelation	total metals in seawater by dilution	suphide	cyanide - total
1	GLC-2m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x		x
2	GLC-3m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x		x
3	GLC-4m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
4	GLC-5m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x		x
5	GLC-6m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x	x	
6	GLC-7m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
7	GLC-8m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
8	GLC-9m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
9	GLC-10m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x		x
10	GLC-11m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
11	GLC-12m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
12	GLC-13m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x		
	** For water samples, please indicate if sample container has been preserved (P) and/or filtered (F).									P	P	P	P

Relinquished By: Curtis Kidd

Date/Time: Sept. 4/10

Signature: Curtis Kidd

Received: NICK SANDUR Sept 8/10 @ 9:30

Temperature: 10°C (x14) 9°C (x7)

Login check

COMMENTS/SPECIAL INSTRUCTIONS: *Water is hypersaline, for TSS measurement run 1-2L distilled water through filters!!!; Note 2 methods of analysis are requested for total metals; Total metals have been preserved with HNO3; Sulfide has been preserved with NaOH and zinc acetate; Cyanide has been preserved with NaOH*

B082374

08322064

Maxxam Analytics Inc

Sample delivery to: 4606 Canada Way, Burnaby, BC, V5G 1K5, Tel: (604) 734-7276
Contact: Rob MacArthur Tel: (604) 734-7276, Fax: (604) 731-2386
www.maxxamanalytics.com

COC# [redacted]

ANALYTICAL REQUEST FORM

Invoice To: Require Report? Yes [x] No [ ]

Company Name:	Azimuth Consulting Group
Contact Name:	Randy Baker or Cheryl Mackintosh
Address:	218-2902 West Broadway
	Vancouver, BC PC: V6K 2G8
Phone / Fax#:	Ph: 604-730-1220 Fax: 604-739-8511

Report To: same as invoice

PC:
Ph: Fax:

PO# / AFE#:	
Quotation #:	B00428
Project # :	TC10-01
Proj. Name:	Polaris Mine, Garrow Lake
Location:	Little Cornwallis Isl, NU
Sampler's Initials:	CK

REGULATORY REQUIREMENTS:

- [ ] CSR
- [ ] CCME
- [ ] CCME FWAL
- [x] MMER
- [ ] PST
- [ ] CDWQG
- [ ] G50

REPORT DISTRIBUTION:

- [ ] Mail
- [ ] Fax
- [x] PDF
- [x] Excel
- [ ] Other:
- [x] Email: rbaker@azimuthgroup.ca, cmackintosh@azimuthgroup.ca, bruce.donald@teck.com

SERVICE REQUESTED:

- [ ] RUSH (Please ensure you contact the lab) Date Required:
- [x] REGULAR Turnaround

METALS: (WATERS)

- [x] Total
- [ ] Extractable
- [ ] Dissolved

ANALYSIS REQUESTED (Lab use only)

#	Sample Identification	Matrix	Date/Time Sampled	Sample Type Grab/Comp	Hold > 60 Days	Sample Container #	total suspended solids	conductivity, pH, salinity, alkalinity	hardness	total metals in seawater by chelation	total metals in seawater by dilution	suphide
1	GLC-14m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x	x
2	GLC-15m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x	
3	GLC-16m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x	
4	GLC-17m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x	
5	GLC-18m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x	
6	GLC-19m	seawater	2010-~~May~~ Aug-30	Pumped		4	x	x	x	x	x	
7	GLC-20m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x	x
8	GLC-22m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x	x
9	GLC-30m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x	x
10	GLC-~~40m~~ 38m	seawater	2010-~~May~~ Aug-30	Pumped		5	x	x	x	x	x	x
11	GLC-0m	Seawater	2010-Aug-30	"		4	x	x	x	x	x	
12	GLC-1m	Seawater	2010-Aug-30	"		4	x	x	x	x	x	
	** For water samples, please indicate if sample container has been preserved (P) and/or filtered (F).									P	P	P

Relinquished By: Curtis Kidd

Signature: Curtis Kidd

Date/Time: Sept. 4/10

Received: Nick Sandor Sept 8/10 @ 9:30

Temperature: 10°c (x14) 9°c (x7)

Login check

COMMENTS/SPECIAL INSTRUCTIONS: *Water is hypersaline, for TSS measurement run 1-2L distilled water through filters!!!; Note 2 methods of analysis are requested for total metals; Total metals have been preserved with HNO3; Sulfide has been preserved with NaOH and zinc acetate; Cyanide has been preserved with NaOH*

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Maxxam Analytics Inc

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COC# [redacted]

ANALYTICAL REQUEST FORM

Invoice To: Require Report? Yes [x] No [ ]

Company Name:	Azimuth Consulting Group
Contact Name:	Randy Baker or Cheryl Mackintosh
Address:	218-2902 West Broadway
	Vancouver, BC PC: V6K 2G8
Phone / Fax#:	Ph: 604-730-1220 Fax: 604-739-8511

Report To:

same as invoice

PC:

Ph: Fax:

PO# / AFE#:	
Quotation #:	B00428
Project # :	TC10-01
Proj. Name:	Polaris Mine, Garrow Lake
Location:	Little Cornwallis Isl, NU
Sampler's Initials:	CK

REGULATORY REQUIREMENTS:

- [ ] CSR
- [ ] CCME
- [ ] CCME FWAL
- [x] MMER
- [ ] PST
- [ ] CDWQG
- [ ] G50

REPORT DISTRIBUTION:

- [ ] Mail
- [ ] Fax
- [x] PDF
- [x] Excel
- [ ] Other:
- [x] Email: rbaker@azimuthgroup.ca, cmackintosh@azimuthgroup.ca, bruce.donald@teck.com

SERVICE REQUESTED:

- [ ] RUSH (Please ensure you contact the lab)
Date Required:
- [x] REGULAR Turnaround

METALS: (WATERS)

- [x] Total
- [ ] Extractable
- [ ] Dissolved

ANALYSIS REQUESTED

#	Sample Identification	Matrix	Date/Time Sampled	Sample Type Grab/Comp	Hold > 60 Days	Sample Container #	total suspended solids	conductivity, pH, salinity, alkalinity	hardness	total metals in seawater by chelation	total metals in seawater by dilution	suphide	Lab use only	Lab use only	Lab use only
1	TB	water	Aug. 2010-May- 30	-		5	x	x	x	x	x	x			
2	EB-GL-1	water	Aug. 2010-May- 30	Pumped		4		x	x	x	x	x			
3	FB-GL-2	water	Aug. 2010-May- 30	Pumped		4		x	x	x	x	x			
4															
5															
6															
7															
8															
9															
10															
11															
12															
** For water samples, please indicate if sample container has been preserved (P) and/or filtered (F).													P	P	P

Relinquished By: Curtis Kind

Date/Time: Sept. 4/10

Signature: Curtis Kind

Received: Nick Sander Sept 8/10 @ 9:30

Temperature: 10°C (x14) 9°C (x7)

Login check

COMMENTS/SPECIAL INSTRUCTIONS: *Note 2 methods of analysis are requested for total metals; Total metals have been preserved with HNO3; Sulfide has been preserved with NaOH and zinc acetate*

B082374

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APPENDIX 5

Monitoring of Other Site Surface Waters

(LRD Quarry and Frustration Lake)

And

Soil Samples from the Former Concentrate Storage Shed

July 16th, 2010

Project TECK (POLARIS)
Report To CHERYL MACKINTOSH, AZIMUTH CONSULTING GROUP INC.
ALS File No. L910576
Date Received 20-Jul-10 12:10
Date 29-Jul-10

RESULTS OF ANALYSIS

Sample ID Date Sampled Time Sampled ALS Sample ID Matrix	GC-2-071610 16-JUL-10 12:00 L910576-1 Seawater	GB-2-071610 16-JUL-10 11:00 L910576-2 Seawater	CON NORTH 14-JUL-10 00:00 L910576-3 Soil	CON CENTER 14-JUL-10 00:00 L910576-4 Soil	CON SOUTH 14-JUL-10 00:00 L910576-5 Soil	LRD 16-JUL-10 00:00 L910576-6 Water	FRUSTRATION LAKE 15-JUL-10 00:00 L910576-7 Water
Physical Tests							
pH	-	-	8.38	8.46	8.53	-	-
Total Suspended Solids	-	-	-	-	-	-	<3.0
Metals							
Lead (Pb)	-	-	199	86	66	-	-
Zinc (Zn)	-	-	334	231	261	-	-
Total Metals							
Aluminum (Al)-Total	<0.020	<0.020	-	-	-	<0.010	-
Arsenic (As)-Total	<0.0010	<0.0010	-	-	-	<0.00050	-
Cadmium (Cd)-Total	<0.00012	<0.00012	-	-	-	<0.000010	-
Calcium (Ca)-Total	47.5	49.5	-	-	-	79.4	-
Copper (Cu)-Total	<0.0010	<0.0010	-	-	-	<0.0010	-
Iron (Fe)-Total	<0.050	<0.050	-	-	-	<0.050	-
Lead (Pb)-Total	<0.0010	<0.0010	-	-	-	0.00027	-
Magnesium (Mg)-Total	89.0	98.7	-	-	-	29.7	-
Mercury (Hg)-Total	<0.000010	<0.000010	-	-	-	-	-
Molybdenum (Mo)-Total	<0.0020	<0.0020	-	-	-	0.0068	-
Nickel (Ni)-Total	0.00148	0.00163	-	-	-	0.00566	-
Zinc (Zn)-Total	0.0156	0.0122	-	-	-	0.0219	-

Project TECK (POLARIS)
Report To CHERYL MACKINTOSH, AZIMUTH CONSULTING GROUP INC.
ALS File No. L910576
Date Received 20-Jul-10 12:10
Date 29-Jul-10

DETECTION LIMITS

Sample ID Date Sampled Time Sampled ALS Sample ID Matrix	GC-2-071610 16-JUL-10 12:00 L910576-1 Seawater	GB-2-071610 16-JUL-10 11:00 L910576-2 Seawater	CON NORTH 14-JUL-10 00:00 L910576-3 Soil	CON CENTER 14-JUL-10 00:00 L910576-4 Soil	CON SOUTH 14-JUL-10 00:00 L910576-5 Soil	LRD 16-JUL-10 00:00 L910576-6 Water	FRUSTRATION LAKE 15-JUL-10 00:00 L910576-7 Water
Physical Tests							
pH	-	-	0.10	0.10	0.10	-	-
Total Suspended Solids	-	-	-	-	-	-	3.0
Metals							
Lead (Pb)	-	-	60	60	60	-	-
Zinc (Zn)	-	-	2.0	2.0	2.0	-	-
Total Metals							
Aluminum (Al)-Total	0.020	0.020	-	-	-	0.010	-
Arsenic (As)-Total	0.0010	0.0010	-	-	-	0.00050	-
Cadmium (Cd)-Total	0.00012	0.00012	-	-	-	0.000010	-
Calcium (Ca)-Total	1.0	1.0	-	-	-	1.0	-
Copper (Cu)-Total	0.0010	0.0010	-	-	-	0.0010	-
Iron (Fe)-Total	0.050	0.050	-	-	-	0.050	-
Lead (Pb)-Total	0.0010	0.0010	-	-	-	0.00010	-
Magnesium (Mg)-Total	1.0	1.0	-	-	-	1.0	-
Mercury (Hg)-Total	0.000010	0.000010	-	-	-	-	-
Molybdenum (Mo)-Total	0.0020	0.0020	-	-	-	0.0020	-
Nickel (Ni)-Total	0.00050	0.00050	-	-	-	0.00050	-
Zinc (Zn)-Total	0.0050	0.0050	-	-	-	0.0060	-

Project	TECK (POLARIS)
Report To	CHERYL MACKINTOSH, AZIMUTH CONSULTING GROUP INC.
ALS File No.	L910576
Date Received	20-Jul-10 12:10
Date	29-Jul-10

UNITS

Sample ID **Date Sampled** **Time Sampled** **ALS Sample ID** **Matrix**	**GC-2-071610** **16-JUL-10** **12:00** **L910576-1** **Seawater**	**GB-2-071610** **16-JUL-10** **11:00** **L910576-2** **Seawater**	**CON NORTH** **14-JUL-10** **00:00** **L910576-3** **Soil**	**CON CENTER** **14-JUL-10** **00:00** **L910576-4** **Soil**	**CON SOUTH** **14-JUL-10** **00:00** **L910576-5** **Soil**	**LRD** **16-JUL-10** **00:00** **L910576-6** **Water**	**FRUSTRATION LAKE** **15-JUL-10** **00:00** **L910576-7** **Water**
Physical Tests							
pH	-	-	pH	pH	pH	-	-
Total Suspended Solids	-	-	-	-	-	-	mg/L
Metals							
Lead (Pb)	-	-	mg/kg	mg/kg	mg/kg	-	-
Zinc (Zn)	-	-	mg/kg	mg/kg	mg/kg	-	-
Total Metals							
Aluminum (Al)-Total	mg/L	mg/L	-	-	-	mg/L	-
Arsenic (As)-Total	mg/L	mg/L	-	-	-	mg/L	-
Cadmium (Cd)-Total	mg/L	mg/L	-	-	-	mg/L	-
Calcium (Ca)-Total	mg/L	mg/L	-	-	-	mg/L	-
Copper (Cu)-Total	mg/L	mg/L	-	-	-	mg/L	-
Iron (Fe)-Total	mg/L	mg/L	-	-	-	mg/L	-
Lead (Pb)-Total	mg/L	mg/L	-	-	-	mg/L	-
Magnesium (Mg)-Total	mg/L	mg/L	-	-	-	mg/L	-
Mercury (Hg)-Total	mg/L	mg/L	-	-	-	-	-
Molybdenum (Mo)-Total	mg/L	mg/L	-	-	-	mg/L	-
Nickel (Ni)-Total	mg/L	mg/L	-	-	-	mg/L	-
Zinc (Zn)-Total	mg/L	mg/L	-	-	-	mg/L	-

Project TECK (POLARIS)
Report To CHERYL MACKINTOSH, AZIMUTH CONSULTING GROUP INC.
ALS File No. L910576
Date Received 20-Jul-10 12:10
Date 29-Jul-10

QUALITY CONTROL RESULTS

Matrix	QC Type	Analyte	QC Spl. No.	Reference	Result	Target	Units	%	Limits	Qualifier
Physical Tests										
Water	CRM	Total Suspended Solids	WG1137997-2	VA-TSS-INFUS-75	69.2	75.0	mg/L	92	85-115	
Water	CRM	Total Suspended Solids	WG1137997-5	VA-TSS-INFUS-75	68.2	75.0	mg/L	91	85-115	
Water	CRM	Total Suspended Solids	WG1137997-8	VA-TSS-INFUS-75	68.2	75.0	mg/L	91	85-115	
Water	CRM	Total Suspended Solids	WG1137997-11	VA-TSS-INFUS-75	72.2	75.0	mg/L	96	85-115	
Water	CRM	Total Suspended Solids	WG1137997-14	VA-TSS-INFUS-75	72.2	75.0	mg/L	96	85-115	
Water	MB	Total Suspended Solids	WG1137997-1		<3.0	<3	mg/L	-	3	
Water	MB	Total Suspended Solids	WG1137997-4		<3.0	<3	mg/L	-	3	
Water	MB	Total Suspended Solids	WG1137997-7		<3.0	<3	mg/L	-	3	
Water	MB	Total Suspended Solids	WG1137997-10		<3.0	<3	mg/L	-	3	
Water	MB	Total Suspended Solids	WG1137997-13		<3.0	<3	mg/L	-	3	
Metals										
Soil	CRM	Zinc (Zn)	WG1140366-5	VA-CANMET-TILL1	68.5	67.5	mg/kg	101	70-130	
Soil	CRM	Lead (Pb)	WG1140366-6	VA-NRC-PACS2	173	167	mg/kg	104	70-130	
Soil	CRM	Zinc (Zn)	WG1140366-6	VA-NRC-PACS2	356	337	mg/kg	106	70-130	
Soil	MB	Lead (Pb)	WG1140366-1		<30	<30	mg/kg	-	30	
Soil	MB	Zinc (Zn)	WG1140366-1		<1.0	<1	mg/kg	-	1	
Soil	MB	Lead (Pb)	WG1140366-2		<30	<30	mg/kg	-	30	
Soil	MB	Zinc (Zn)	WG1140366-2		<1.0	<1	mg/kg	-	1	
Total Metals										
Water	CRM	Aluminum (Al)-Total	WG1140329-4	VA-HIGH-WATRM	1.96	2.00	mg/L	98	80-120	
Water	CRM	Antimony (Sb)-Total	WG1140329-4	VA-HIGH-WATRM	0.989	1.00	mg/L	99	80-120	
Water	CRM	Arsenic (As)-Total	WG1140329-4	VA-HIGH-WATRM	1.00	1.00	mg/L	100	80-120	
Water	CRM	Barium (Ba)-Total	WG1140329-4	VA-HIGH-WATRM	0.237	0.250	mg/L	95	80-120	
Water	CRM	Beryllium (Be)-Total	WG1140329-4	VA-HIGH-WATRM	0.106	0.100	mg/L	106	80-120	
Water	CRM	Bismuth (Bi)-Total	WG1140329-4	VA-HIGH-WATRM	0.969	1.00	mg/L	97	80-120	
Water	CRM	Boron (B)-Total	WG1140329-4	VA-HIGH-WATRM	0.96	1.00	mg/L	96	80-120	
Water	CRM	Cadmium (Cd)-Total	WG1140329-4	VA-HIGH-WATRM	0.104	0.100	mg/L	104	80-120	
Water	CRM	Calcium (Ca)-Total	WG1140329-4	VA-HIGH-WATRM	47.8	50.0	mg/L	96	80-120	
Water	CRM	Cesium (Cs)-Total	WG1140329-4	VA-HIGH-WATRM	0.0478	0.0500	mg/L	96	80-120	
Water	CRM	Chromium (Cr)-Total	WG1140329-4	VA-HIGH-WATRM	0.245	0.250	mg/L	98	80-120	
Water	CRM	Cobalt (Co)-Total	WG1140329-4	VA-HIGH-WATRM	0.240	0.250	mg/L	96	80-120	
Water	CRM	Copper (Cu)-Total	WG1140329-4	VA-HIGH-WATRM	0.237	0.250	mg/L	95	80-120	
Water	CRM	Gallium (Ga)-Total	WG1140329-4	VA-HIGH-WATRM	0.248	0.250	mg/L	99	80-120	
Water	CRM	Iron (Fe)-Total	WG1140329-4	VA-HIGH-WATRM	0.96	1.00	mg/L	96	80-120	
Water	CRM	Lead (Pb)-Total	WG1140329-4	VA-HIGH-WATRM	0.488	0.500	mg/L	98	80-120	
Water	CRM	Lithium (Li)-Total	WG1140329-4	VA-HIGH-WATRM	0.260	0.250	mg/L	104	80-120	
Water	CRM	Magnesium (Mg)-Total	WG1140329-4	VA-HIGH-WATRM	48.2	50.0	mg/L	96	80-120	
Water	CRM	Manganese (Mn)-Total	WG1140329-4	VA-HIGH-WATRM	0.243	0.250	mg/L	97	80-120	
Water	CRM	Molybdenum (Mo)-Total	WG1140329-4	VA-HIGH-WATRM	0.234	0.250	mg/L	94	80-120	
Water	CRM	Nickel (Ni)-Total	WG1140329-4	VA-HIGH-WATRM	0.487	0.500	mg/L	97	80-120	
Water	CRM	Phosphorus (P)-Total	WG1140329-4	VA-HIGH-WATRM	2.55	2.50	mg/L	102	80-120	
Water	CRM	Potassium (K)-Total	WG1140329-4	VA-HIGH-WATRM	48.5	50.0	mg/L	97	80-120	
Water	CRM	Rhenium (Re)-Total	WG1140329-4	VA-HIGH-WATRM	0.0985	0.100	mg/L	99	80-120	
Water	CRM	Rubidium (Rb)-Total	WG1140329-4	VA-HIGH-WATRM	0.0961	0.100	mg/L	96	80-120	
Water	CRM	Selenium (Se)-Total	WG1140329-4	VA-HIGH-WATRM	0.997	1.00	mg/L	100	80-120	
Water	CRM	Silver (Ag)-Total	WG1140329-4	VA-HIGH-WATRM	0.0998	0.100	mg/L	100	80-120	
Water	CRM	Sodium (Na)-Total	WG1140329-4	VA-HIGH-WATRM	48.7	50.0	mg/L	97	80-120	
Water	CRM	Strontium (Sr)-Total	WG1140329-4	VA-HIGH-WATRM	0.239	0.250	mg/L	96	80-120	
Water	CRM	Tellurium (Te)-Total	WG1140329-4	VA-HIGH-WATRM	0.107	0.100	mg/L	107	80-120	
Water	CRM	Thallium (Tl)-Total	WG1140329-4	VA-HIGH-WATRM	0.964	1.00	mg/L	96	80-120	
Water	CRM	Thorium (Th)-Total	WG1140329-4	VA-HIGH-WATRM	0.0991	0.100	mg/L	99	80-120	
Water	CRM	Tin (Sn)-Total	WG1140329-4	VA-HIGH-WATRM	0.491	0.500	mg/L	98	80-120	
Water	CRM	Titanium (Ti)-Total	WG1140329-4	VA-HIGH-WATRM	0.252	0.250	mg/L	101	80-120	
Water	CRM	Tungsten (W)-Total	WG1140329-4	VA-HIGH-WATRM	0.0972	0.100	mg/L	97	80-120	
Water	CRM	Uranium (U)-Total	WG1140329-4	VA-HIGH-WATRM	0.00498	0.00500	mg/L	100	80-120	
Water	CRM	Vanadium (V)-Total	WG1140329-4	VA-HIGH-WATRM	0.480	0.500	mg/L	96	80-120	
Water	CRM	Yttrium (Y)-Total	WG1140329-4	VA-HIGH-WATRM	0.0972	0.100	mg/L	97	80-120	
Water	CRM	Zinc (Zn)-Total	WG1140329-4	VA-HIGH-WATRM	0.52	0.50	mg/L	105	80-120	
Water	CRM	Zirconium (Zr)-Total	WG1140329-4	VA-HIGH-WATRM	0.0985	0.100	mg/L	98	80-120	
Water	MB	Aluminum (Al)-Total	WG1140329-1		<0.0030	<0.003	mg/L	-	0.003	
Water	MB	Antimony (Sb)-Total	WG1140329-1		<0.000010	<0.00001	mg/L	-	0.00001	
Water	MB	Arsenic (As)-Total	WG1140329-1		<0.000050	<0.00005	mg/L	-	0.00005	
Water	MB	Barium (Ba)-Total	WG1140329-1		<0.00010	<0.0001	mg/L	-	0.0001	
Water	MB	Beryllium (Be)-Total	WG1140329-1		<0.0000050	<0.000005	mg/L	-	0.000005	

Project TECK (POLARIS)
Report To CHERYL MACKINTOSH, AZIMUTH CONSULTING GROUP INC.
ALS File No. L910576
Date Received 20-Jul-10 12:10
Date 29-Jul-10

QUALITY CONTROL RESULTS

Matrix	QC Type	Analyte	QC Spl. No.	Reference	Result	Target	Units	%	Limits	Qualifier
Water	MB	Bismuth (Bi)-Total	WG1140329-1		<0.000050	<0.00005	mg/L	-	0.00005	
Water	MB	Boron (B)-Total	WG1140329-1		<0.0050	<0.005	mg/L	-	0.005	
Water	MB	Cadmium (Cd)-Total	WG1140329-1		<0.0000050	<0.000005	mg/L	-	0.000005	
Water	MB	Calcium (Ca)-Total	WG1140329-1		<0.020	<0.02	mg/L	-	0.02	
Water	MB	Cesium (Cs)-Total	WG1140329-1		<0.0000050	<0.000005	mg/L	-	0.000005	
Water	MB	Chromium (Cr)-Total	WG1140329-1		<0.00050	<0.0005	mg/L	-	0.0005	
Water	MB	Cobalt (Co)-Total	WG1140329-1		<0.000050	<0.00005	mg/L	-	0.00005	
Water	MB	Copper (Cu)-Total	WG1140329-1		<0.00050	<0.0005	mg/L	-	0.0005	
Water	MB	Gallium (Ga)-Total	WG1140329-1		<0.000050	<0.00005	mg/L	-	0.00005	
Water	MB	Iron (Fe)-Total	WG1140329-1		<0.010	<0.01	mg/L	-	0.01	
Water	MB	Lead (Pb)-Total	WG1140329-1		<0.000050	<0.00005	mg/L	-	0.00005	
Water	MB	Lithium (Li)-Total	WG1140329-1		<0.00020	<0.0002	mg/L	-	0.0002	
Water	MB	Magnesium (Mg)-Total	WG1140329-1		<0.010	<0.01	mg/L	-	0.01	
Water	MB	Manganese (Mn)-Total	WG1140329-1		<0.00020	<0.0002	mg/L	-	0.0002	
Water	MB	Molybdenum (Mo)-Total	WG1140329-1		<0.000050	<0.00005	mg/L	-	0.00005	
Water	MB	Nickel (Ni)-Total	WG1140329-1		<0.00020	<0.0002	mg/L	-	0.0002	
Water	MB	Phosphorus (P)-Total	WG1140329-1		<0.010	<0.01	mg/L	-	0.01	
Water	MB	Potassium (K)-Total	WG1140329-1		<0.010	<0.01	mg/L	-	0.01	
Water	MB	Rhenium (Re)-Total	WG1140329-1		<0.0000050	<0.000005	mg/L	-	0.000005	
Water	MB	Rubidium (Rb)-Total	WG1140329-1		<0.000020	<0.00002	mg/L	-	0.00002	
Water	MB	Selenium (Se)-Total	WG1140329-1		<0.00020	<0.0002	mg/L	-	0.0002	
Water	MB	Silver (Ag)-Total	WG1140329-1		<0.0000050	<0.000005	mg/L	-	0.000005	
Water	MB	Sodium (Na)-Total	WG1140329-1		<0.020	<0.02	mg/L	-	0.02	
Water	MB	Strontium (Sr)-Total	WG1140329-1		<0.000050	<0.00005	mg/L	-	0.00005	
Water	MB	Tellurium (Te)-Total	WG1140329-1		<0.000010	<0.00001	mg/L	-	0.00001	
Water	MB	Thallium (Tl)-Total	WG1140329-1		<0.0000020	<0.000002	mg/L	-	0.000002	
Water	MB	Thorium (Th)-Total	WG1140329-1		<0.0000050	<0.000005	mg/L	-	0.000005	
Water	MB	Tin (Sn)-Total	WG1140329-1		<0.00020	<0.0002	mg/L	-	0.0002	
Water	MB	Titanium (Ti)-Total	WG1140329-1		<0.00020	<0.0002	mg/L	-	0.0002	
Water	MB	Tungsten (W)-Total	WG1140329-1		<0.000010	<0.00001	mg/L	-	0.00001	
Water	MB	Uranium (U)-Total	WG1140329-1		<0.0000020	<0.000002	mg/L	-	0.000002	
Water	MB	Vanadium (V)-Total	WG1140329-1		<0.000050	<0.00005	mg/L	-	0.00005	
Water	MB	Yttrium (Y)-Total	WG1140329-1		<0.0000050	<0.000005	mg/L	-	0.000005	
Water	MB	Zinc (Zn)-Total	WG1140329-1		<0.0030	<0.003	mg/L	-	0.003	
Water	MB	Zirconium (Zr)-Total	WG1140329-1		<0.000050	<0.00005	mg/L	-	0.00005	
Seawater	CRM	Aluminum (Al)-Total	WG1137254-3	VA-HIGH-WATRM	2.03	2.00	mg/L	101	80-120	
Seawater	CRM	Arsenic (As)-Total	WG1137254-3	VA-HIGH-WATRM	1.00	1.00	mg/L	100	80-120	
Seawater	CRM	Cadmium (Cd)-Total	WG1137254-3	VA-HIGH-WATRM	0.103	0.100	mg/L	103	80-120	
Seawater	CRM	Calcium (Ca)-Total	WG1137254-3	VA-HIGH-WATRM	<50	50	mg/L	99	80-120	
Seawater	CRM	Copper (Cu)-Total	WG1137254-3	VA-HIGH-WATRM	0.246	0.250	mg/L	98	80-120	
Seawater	CRM	Iron (Fe)-Total	WG1137254-3	VA-HIGH-WATRM	<2.5	1.0	mg/L	93	80-120	
Seawater	CRM	Lead (Pb)-Total	WG1137254-3	VA-HIGH-WATRM	0.496	0.500	mg/L	99	80-120	
Seawater	CRM	Magnesium (Mg)-Total	WG1137254-3	VA-HIGH-WATRM	<50	50	mg/L	99	80-120	
Seawater	CRM	Molybdenum (Mo)-Total	WG1137254-3	VA-HIGH-WATRM	0.24	0.25	mg/L	94	80-120	
Seawater	CRM	Nickel (Ni)-Total	WG1137254-3	VA-HIGH-WATRM	0.493	0.500	mg/L	99	80-120	
Seawater	CRM	Zinc (Zn)-Total	WG1137254-3	VA-HIGH-WATRM	0.52	0.50	mg/L	103	80-120	
Seawater	MB	Aluminum (Al)-Total	WG1137254-1		<0.0050	<0.005	mg/L	-	0.005	
Seawater	MB	Arsenic (As)-Total	WG1137254-1		<0.0020	<0.002	mg/L	-	0.002	
Seawater	MB	Cadmium (Cd)-Total	WG1137254-1		<0.00012	<0.00012	mg/L	-	0.00012	
Seawater	MB	Calcium (Ca)-Total	WG1137254-1		<1.0	<1	mg/L	-	1	
Seawater	MB	Copper (Cu)-Total	WG1137254-1		<0.0010	<0.001	mg/L	-	0.001	
Seawater	MB	Iron (Fe)-Total	WG1137254-1		<0.050	<0.05	mg/L	-	0.05	
Seawater	MB	Lead (Pb)-Total	WG1137254-1		<0.0010	<0.001	mg/L	-	0.001	
Seawater	MB	Magnesium (Mg)-Total	WG1137254-1		<1.0	<1	mg/L	-	1	
Seawater	MB	Molybdenum (Mo)-Total	WG1137254-1		<0.0020	<0.002	mg/L	-	0.002	
Seawater	MB	Nickel (Ni)-Total	WG1137254-1		<0.00050	<0.0005	mg/L	-	0.0005	
Seawater	MB	Zinc (Zn)-Total	WG1137254-1		<0.0050	<0.005	mg/L	-	0.005	

Project	TECK (POLARIS)
Report To	CHERYL MACKINTOSH, AZIMUTH CONSULTING GROUP INC.
ALS File No.	L910576
Date Received	20-Jul-10 12:10
Date	29-Jul-10

Hold Time Exceedances

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

QUALIFIER	DESCRIPTION
J	Duplicate results and limits are expressed in terms of absolute difference.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

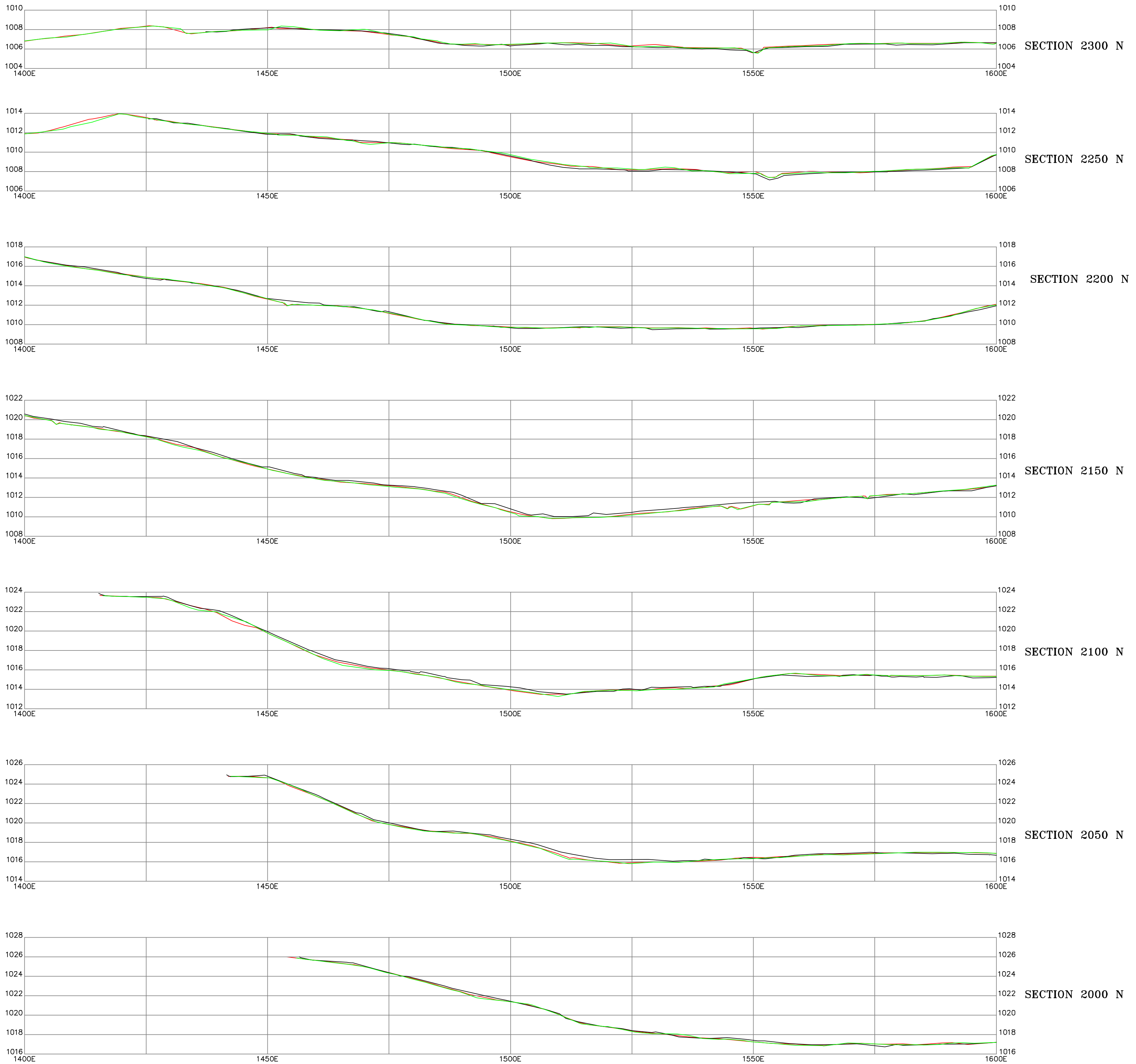
APPENDIX 6

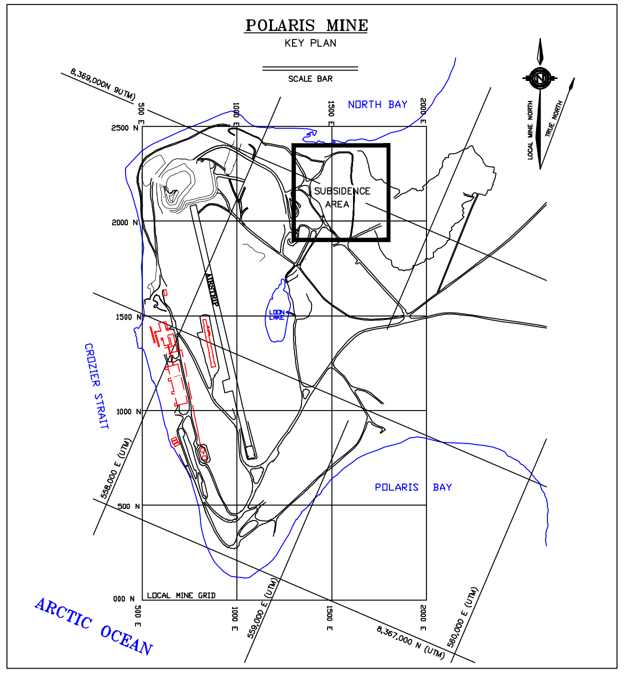
2010

Site Surveys

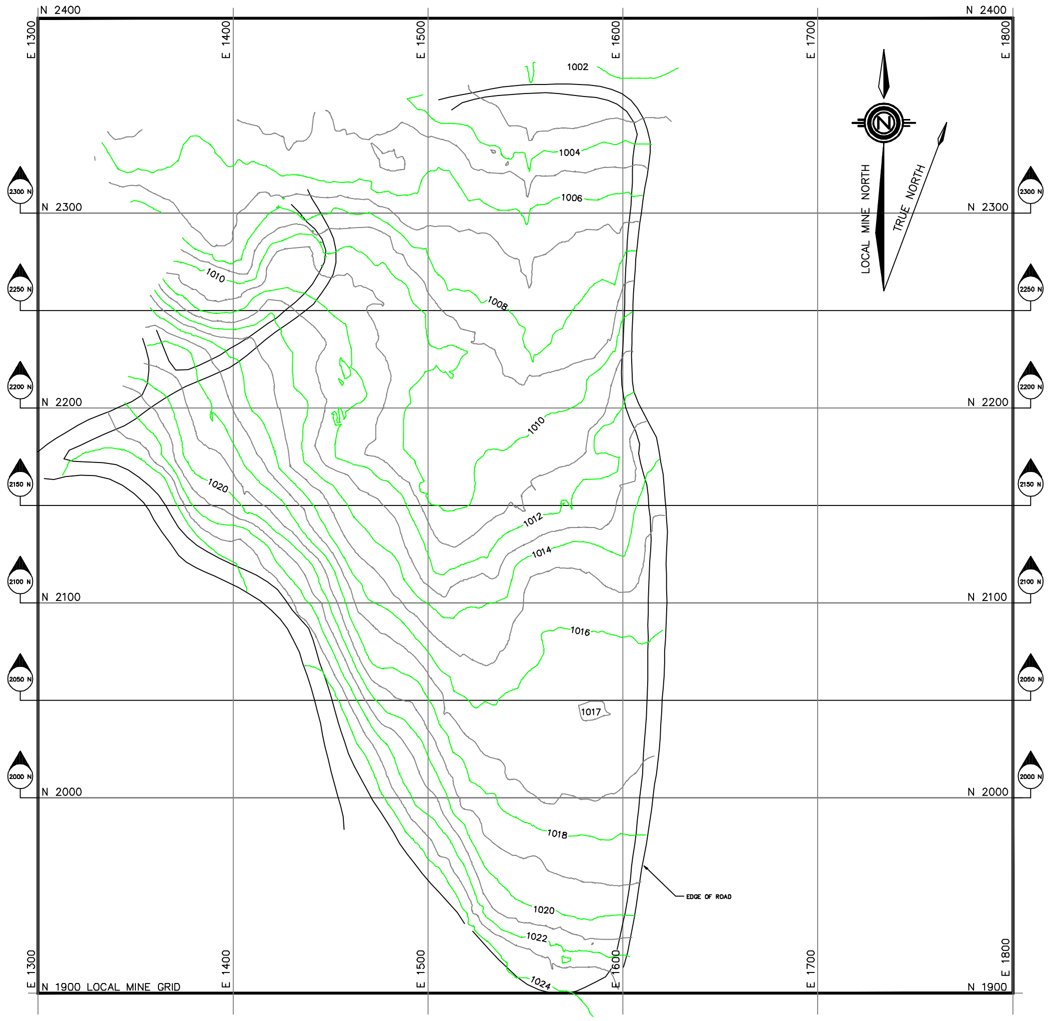
Subsidence Area, Marine Foreshore

And
Garrow Lake Wave-Break





POLARIS MINE
AREA 8



NOTES:
1. DATA COLLECTED JULY, 2010 BY FOCUS ENGINEERING.
2. SECTION CO–ORDINATES AND ELEVATIONS REFER TO LOCAL MINE DATUM.
3. CONTOUR INTERVALS = 0.5 m.
4. SECTIONS HAVE A 2:1 VERTICAL EXAGGERATION.

LEGEND:
- DENOTES 2010 SURFACE. (green)
- DENOTES 2009 SURFACE. (red)
- DENOTES 2005 SURFACE. (black)

PROJECT:
POLARIS MINE POST CLOSURE
2010 ANNUAL SITE INSPECTION

DRAWING:
PLAN & SECTION VIEWS
SUBSIDENCE – AREA 8

DRAWN BY:
T. M. TECH SERVICES
10–542

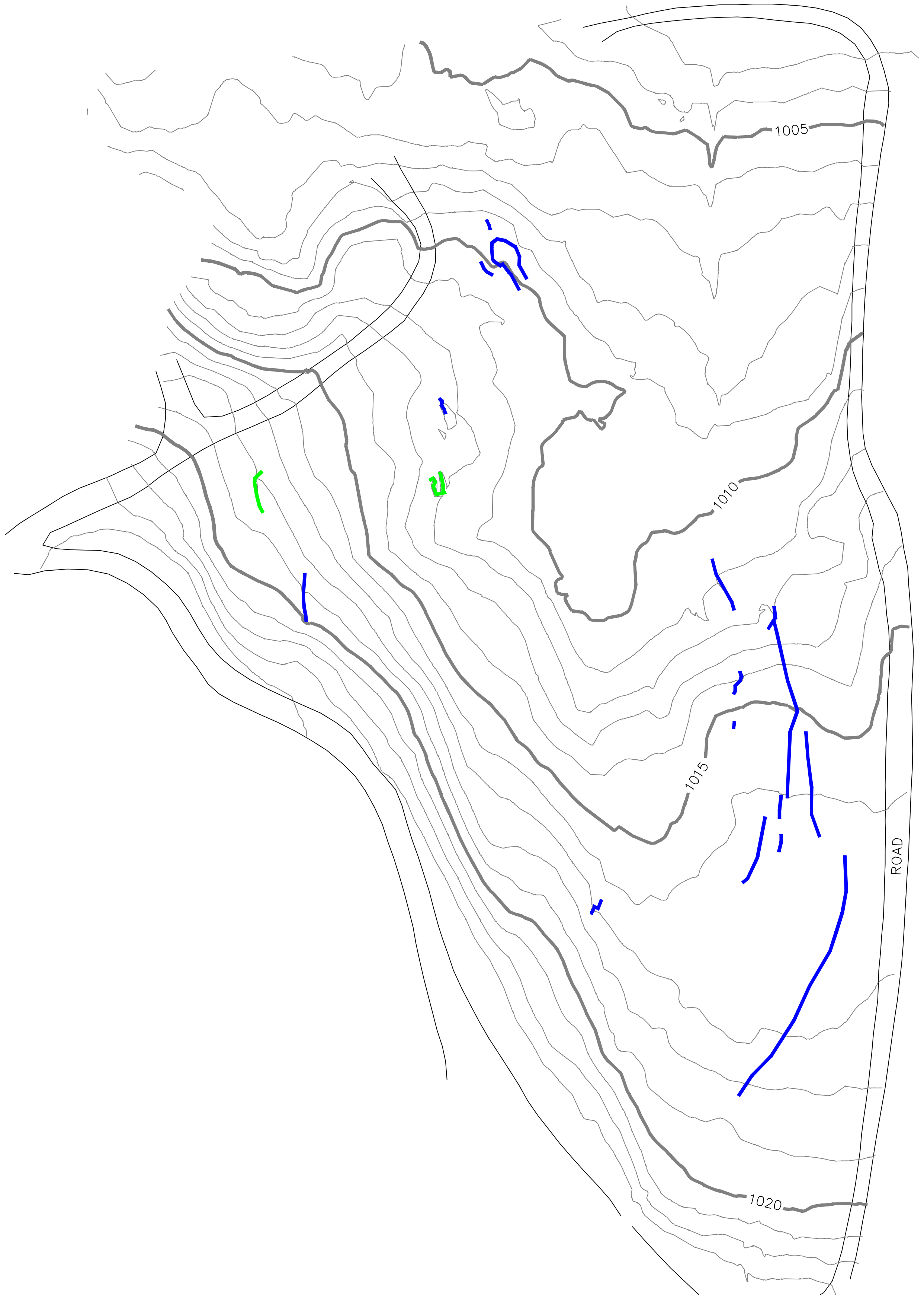
CLIENT:
Teck

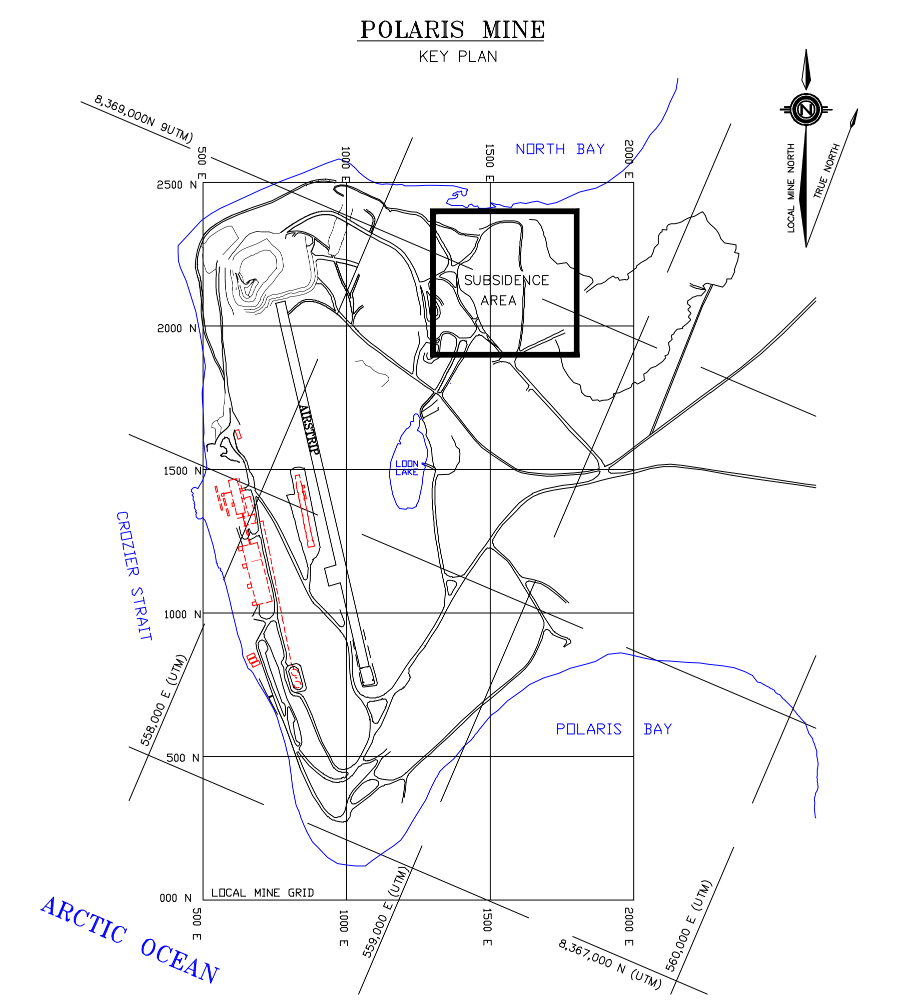
DATE:
NOVEMBER 15, 2010

SCALE: 1:500 HORZ.
1:250 VERT.

FIGURE No.: PM 2010 AREA 8

SHEET: 1 OF 2





POLARIS MINE
AREA 8

NOTES:

1. DATA COLLECTED JULY, 2010 BY FOCUS ENGINEERING.
2. ELVATIONS REFER TO LOCAL MINE DATUM.
3. CONTOUR INTERVAL 1 meter.

LEGEND:

- DENOTES CRACKS IDENTIFIED IN 2010
- DENOTES CRACKS IDENTIFIED IN PREVIOUS YEARS
- CONTOURS FROM JULY 2010 SURVEY

PROJECT:

POLARIS MINE POST CLOSURE
2010 ANNUAL SITE INSPECTION

DRAWING:

ANNUAL SURVEY REVIEW
SUBSIDENCE CRACKS – AREA 8

DRAWN BY: T. M. TECH SERVICES

9–506

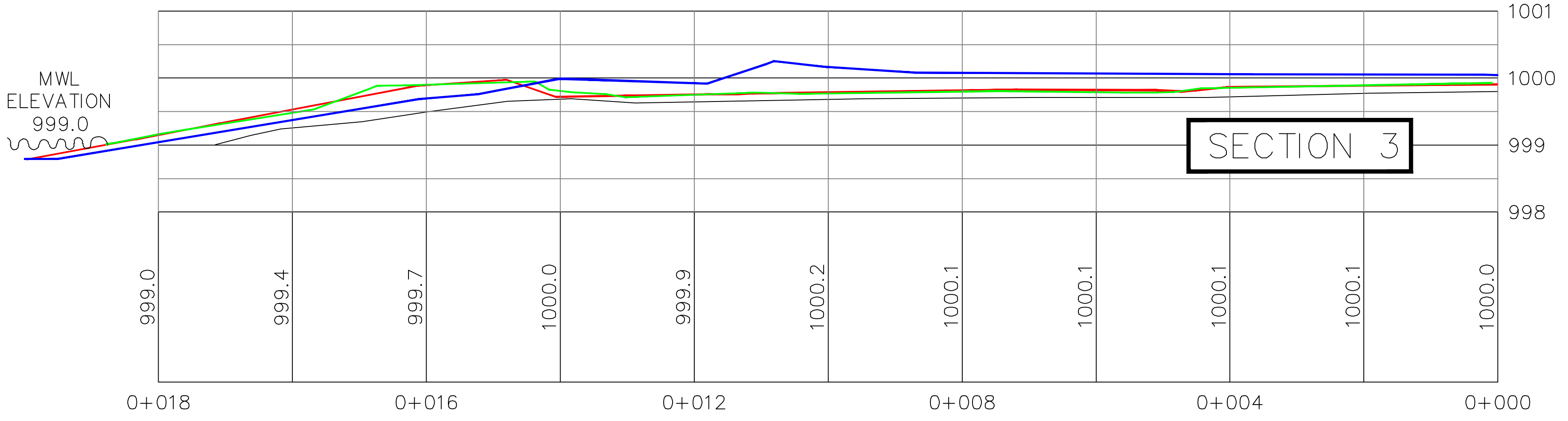
DATE: JANUARY 12, 2010

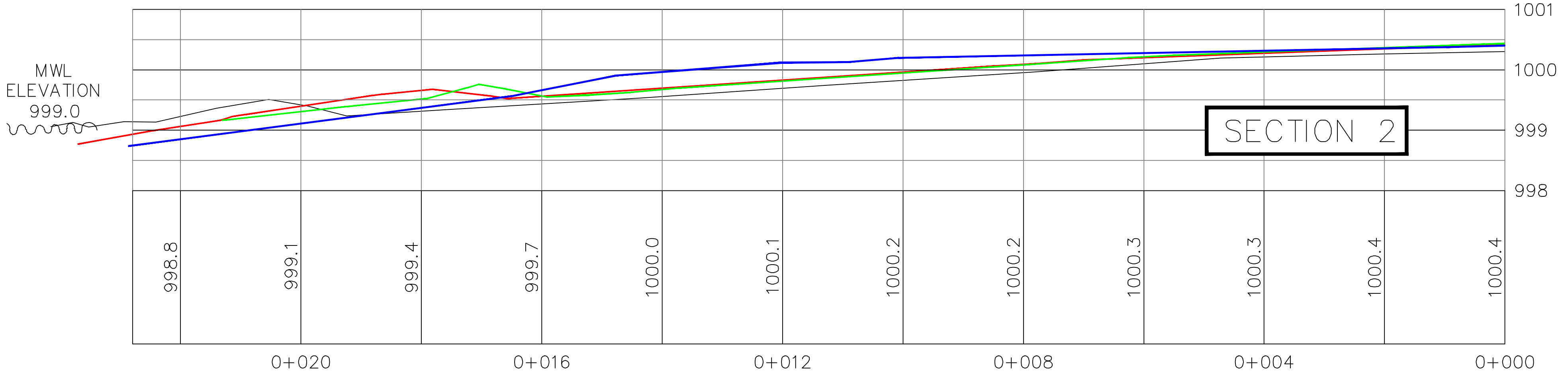
CLIENT: Teck

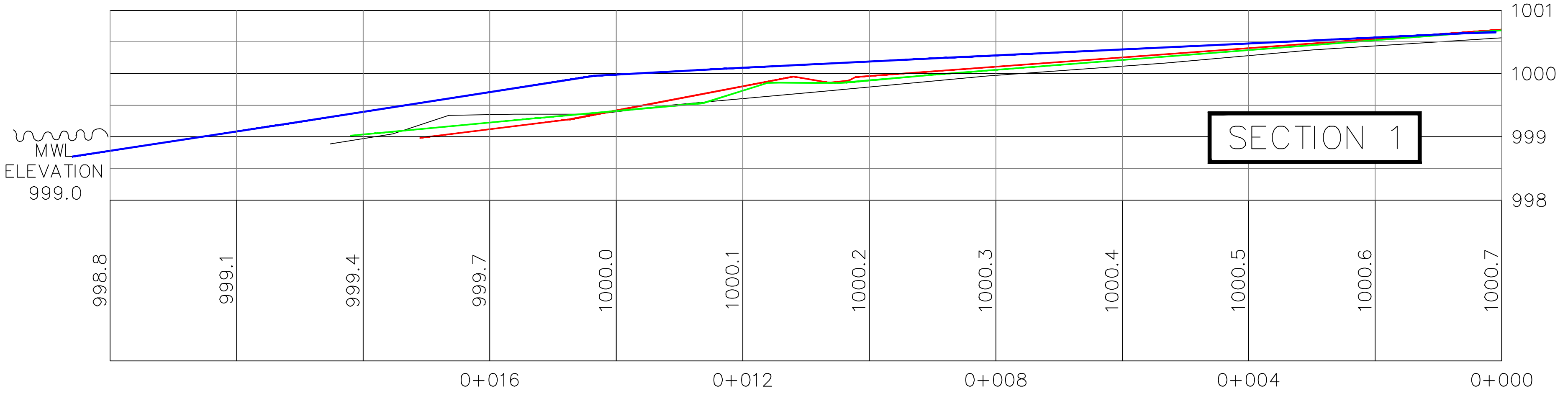
SCALE: 1:2000

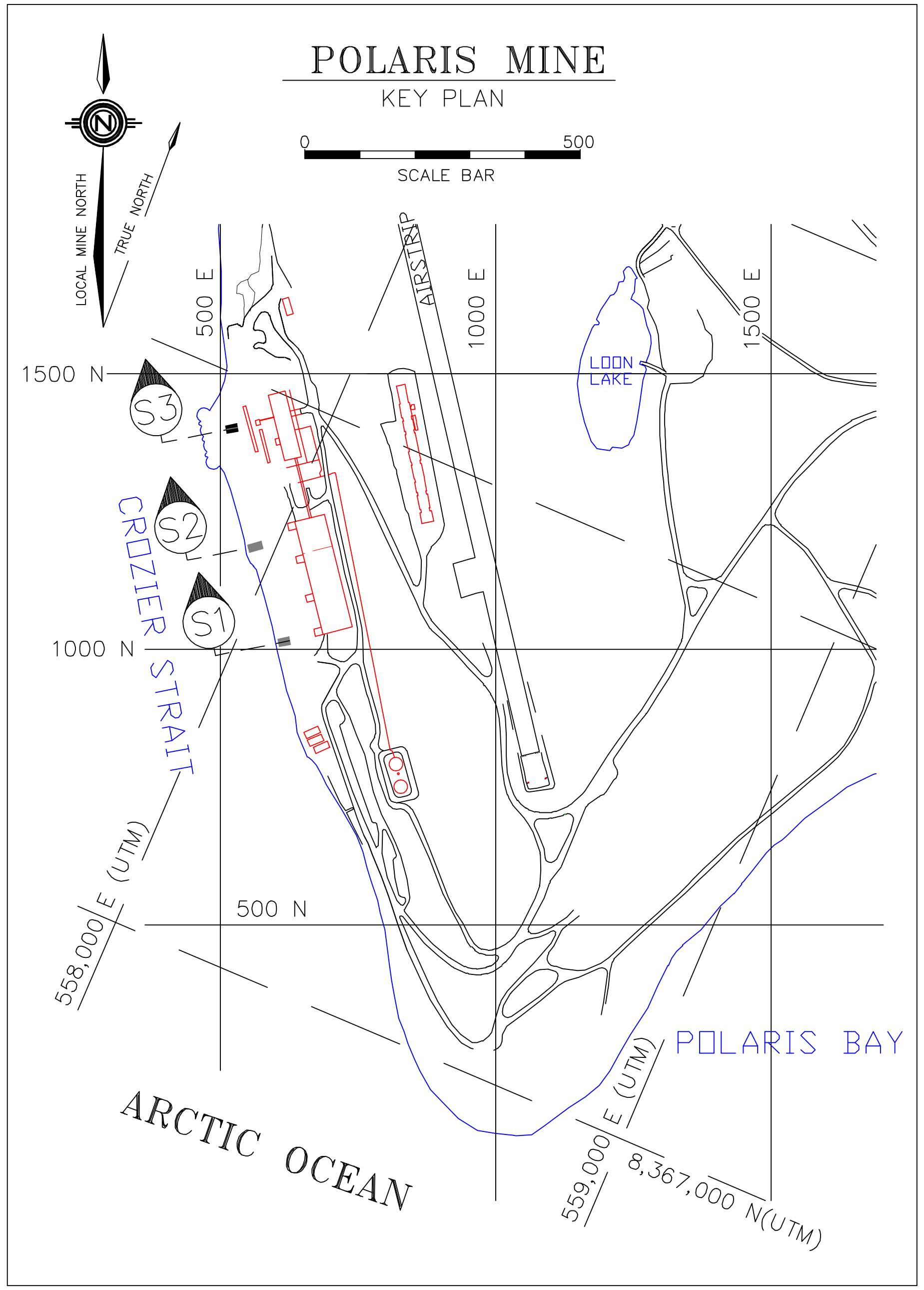
FIGURE No.: PM 2010 AREA 8

SHEET: 2 OF 2









No.	REVISION	DATE	BY
5			
4			
3			
2			
1			

NOTE:
1. DATA COLLECTED BY TECK REPRESENTATIVE.
2. SECTION CO-ORDINATES AND ELEVATIONS REFER TO LOCAL MINE DATUM.
3. SECTION ELEVATIONS REFER TO 2010 SURVEY.

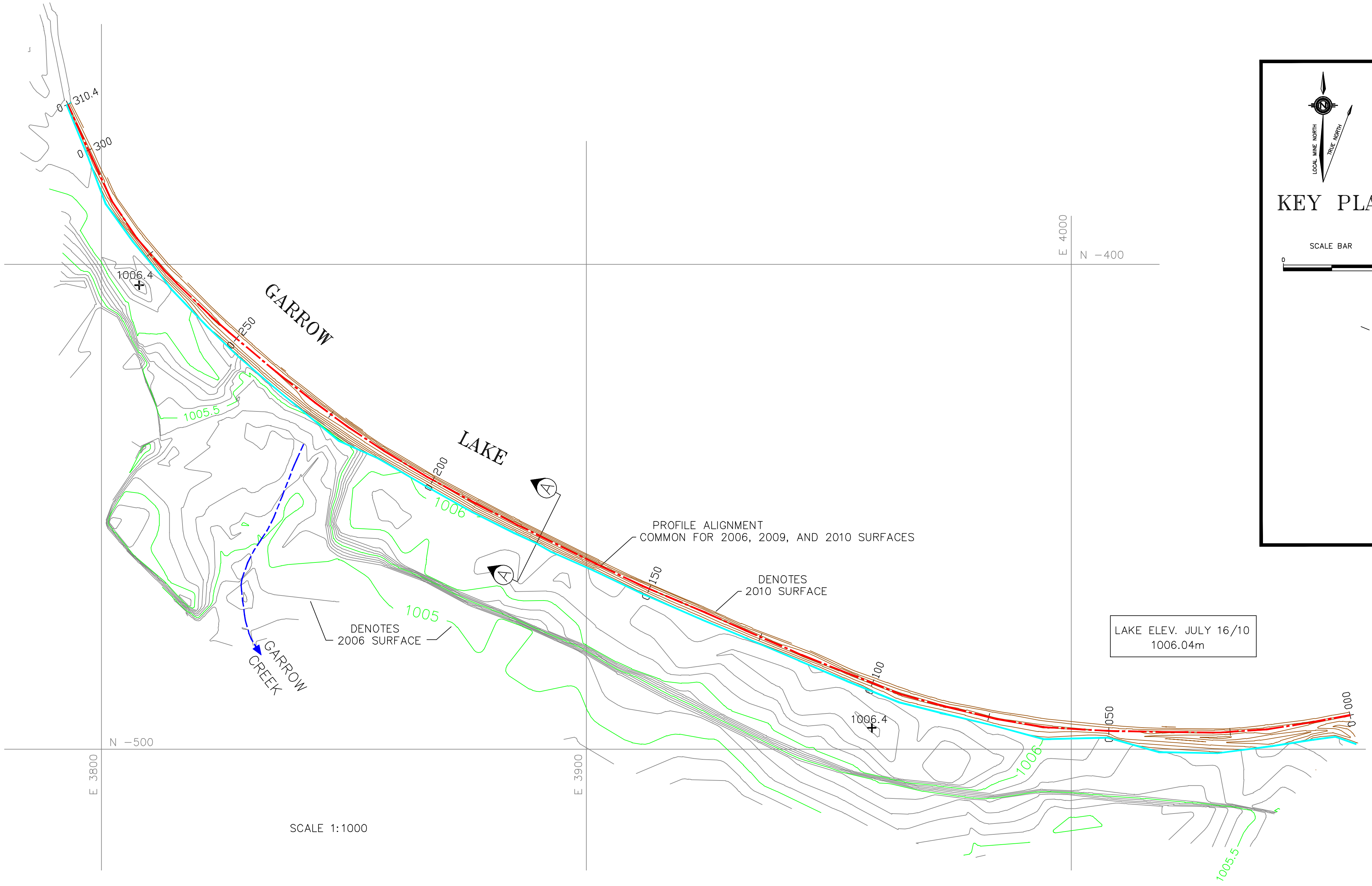
DENOTES 2010 SURFACE
DENOTES 2009 SURFACE
DENOTES 2008 SURFACE
DENOTES 2005 SURFACE

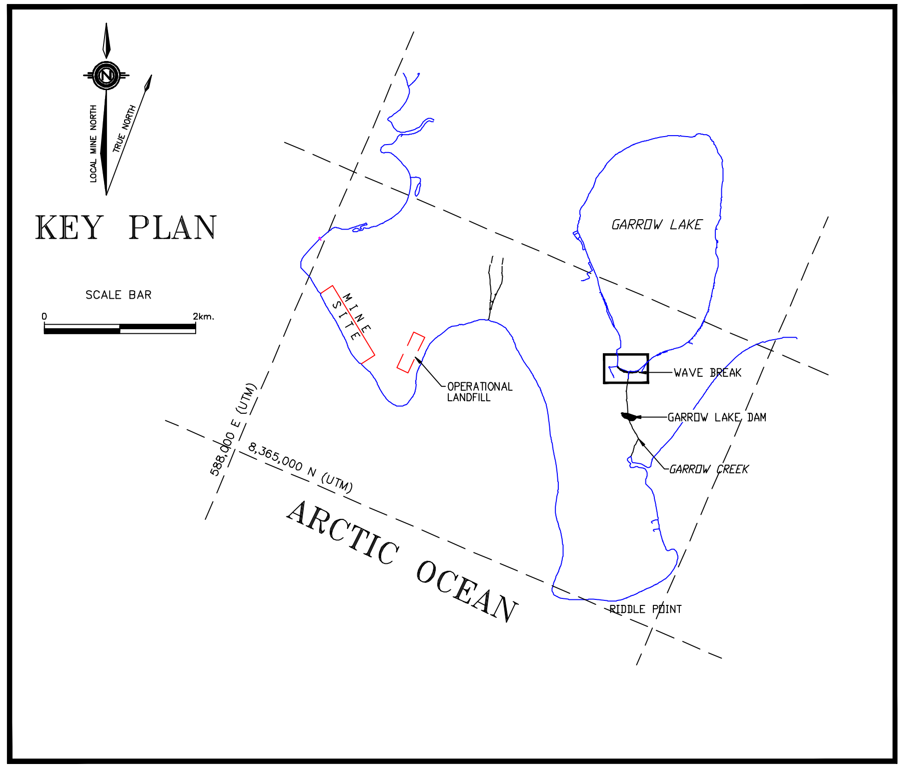
PROJECT:
POLARIS MINE POST CLOSURE
2010 ANNUAL SITE INSPECTION

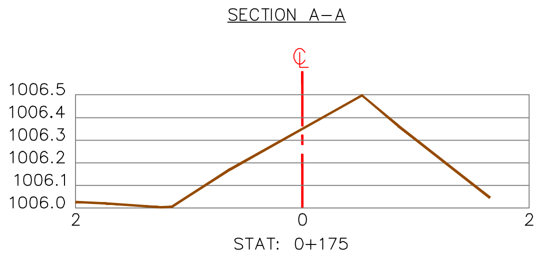
DRAWING:
MARINE FORESHORE SECTIONS

TM TECH SERVICES
CRANBROOK B.C.
(250)489-1855

DRAWN BY: T. MELNICK
9-507
CLIENT: Teck
DATE: JAN. 4/11
SCALE: 1:100 Horz. 1:100 Vert.
FIGURE No.: PM 2010 AREA 4
SHEET: 1 OF 1

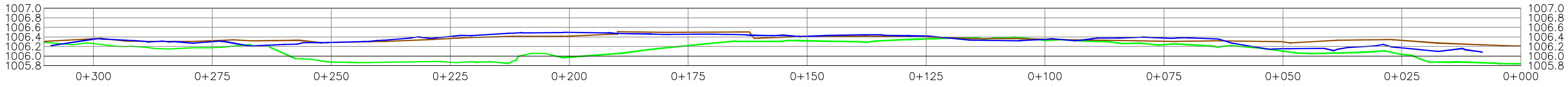






PROFILE SURFACE INDEX

- 2010 SURFACE
- 2009 SURFACE
- 2006 SURFACE
- BOUNDARY 2006 AND 2010 SURFACES



SCALE 1:1000 HORZ.
1:100 VERT.

No.	REVISION	DATE	BY
5			
4			
3			
2			
1			

NOTE:
1. DATA COLLECTED JULY, 2010 BY FOCUS ENGINEERING.
2. SECTION CO-ORDINATES AND ELEVATIONS REFER TO LOCAL MINE DATUM.
3. CONTOUR INTERVAL 0.1m

PROJECT:
POLARIS MINE POST CLOSURE
2010 ANNUAL SITE INSPECTION

DRAWING:
GARROW LAKE WAVE BREAK
2010

TM TECH SERVICES
CRANBROOK B.C.
(250)489-1855

DRAWN BY: T. MELNICK
11-548
CLIENT: Teck
DATE: JAN. 17, 2011
SCALE: AS SHOWN
FIGURE No.: PM 2010 WB
SHEET: 1 OF 1

APPENDIX 7

ANNUAL GEOTECHNICAL INSPECTION

By

Golder Associates

APPENDIX 8

WIND SPEED DATA

FROM SEPTEMBER 2010

FROM

RESOLUTE BAY

(ENVIRONMENT CANADA)

CLIMATE DATA TAKEN FROM ENVIRONMENT CANADA WEATHER STATION IN RESOLUTE BAY

Station Name	RESOLUTE CARS
Province	NUNAVUT
Latitude	74.72
Longitude	-94.97
Elevation	67.7
Climate Identifier	2403500
WMO Identifier	71924
TC Identifier	YRB

All times are specified in Local Standard Time (LST).

Year	Month	Day	Time	Wind Spd (km/h)
2010	9	1	0:00	13
2010	9	1	1:00	6
2010	9	1	2:00	4
2010	9	1	3:00	7
2010	9	1	4:00	9
2010	9	1	5:00	13
2010	9	1	6:00	17
2010	9	1	7:00	13
2010	9	1	8:00	13
2010	9	1	9:00	19
2010	9	1	10:00	15
2010	9	1	11:00	13
2010	9	1	12:00	11
2010	9	1	13:00	9
2010	9	1	14:00	15
2010	9	1	15:00	15
2010	9	1	16:00	11
2010	9	1	17:00	9
2010	9	1	18:00	13
2010	9	1	19:00	6
2010	9	1	20:00	11
2010	9	1	21:00	7
2010	9	1	22:00	6
2010	9	1	23:00	15
2010	9	2	0:00	13
2010	9	2	1:00	11
2010	9	2	2:00	11
2010	9	2	3:00	0
2010	9	2	4:00	0
2010	9	2	5:00	0
2010	9	2	6:00	7
2010	9	2	7:00	7
2010	9	2	8:00	17
2010	9	2	9:00	13
2010	9	2	10:00	7
2010	9	2	11:00	6
2010	9	2	12:00	7
2010	9	2	13:00	6
2010	9	2	14:00	
2010	9	2	15:00	9
2010	9	2	16:00	6
2010	9	2	17:00	6
2010	9	2	18:00	7
2010	9	2	19:00	9
2010	9	2	20:00	9
2010	9	2	21:00	15
2010	9	2	22:00	13
2010	9	2	23:00	11
2010	9	3	0:00	7
2010	9	3	1:00	11
2010	9	3	2:00	9
2010	9	3	3:00	9
2010	9	3	4:00	6
2010	9	3	5:00	6
2010	9	3	6:00	4
2010	9	3	7:00	7
2010	9	3	8:00	0
2010	9	3	9:00	0
2010	9	3	10:00	6
2010	9	3	11:00	6
2010	9	3	12:00	0
2010	9	3	13:00	6
2010	9	3	14:00	4
2010	9	3	15:00	6
2010	9	3	16:00	6
2010	9	3	17:00	6
2010	9	3	18:00	7

CLIMATE DATA TAKEN FROM ENVIRONMENT CANADA WEATHER STATION IN RESOLUTE BAY

Station Name	RESOLUTE CARS
Province	NUNAVUT
Latitude	74.72
Longitude	-94.97
Elevation	67.7
Climate Identifier	2403500
WMO Identifier	71924
TC Identifier	YRB

All times are specified in Local Standard Time (LST).

Year	Month	Day	Time	Wind Spd (km/h)
2010	9	4	3:00	17
2010	9	4	4:00	20
2010	9	4	5:00	9
2010	9	4	6:00	0
2010	9	4	7:00	11
2010	9	4	8:00	13
2010	9	4	9:00	13
2010	9	4	10:00	7
2010	9	4	11:00	0
2010	9	4	12:00	6
2010	9	4	13:00	9
2010	9	4	14:00	11
2010	9	4	15:00	15
2010	9	4	16:00	17
2010	9	4	17:00	24
2010	9	4	18:00	19
2010	9	4	19:00	20
2010	9	4	20:00	15
2010	9	4	21:00	15
2010	9	4	22:00	24
2010	9	4	23:00	11
2010	9	5	0:00	20
2010	9	5	1:00	11
2010	9	5	2:00	17
2010	9	5	3:00	11
2010	9	5	4:00	11
2010	9	5	5:00	13
2010	9	5	6:00	22
2010	9	5	7:00	13
2010	9	5	8:00	24
2010	9	5	9:00	13
2010	9	5	10:00	13
2010	9	5	11:00	15
2010	9	5	12:00	7
2010	9	5	13:00	17
2010	9	5	14:00	20
2010	9	5	15:00	24
2010	9	5	16:00	24
2010	9	5	17:00	13
2010	9	5	18:00	19
2010	9	5	19:00	19
2010	9	5	20:00	9
2010	9	5	21:00	20
2010	9	5	22:00	24
2010	9	5	23:00	11
2010	9	6	0:00	32
2010	9	6	1:00	30
2010	9	6	2:00	30
2010	9	6	3:00	26
2010	9	6	4:00	22
2010	9	6	5:00	26
2010	9	6	6:00	39
2010	9	6	7:00	35
2010	9	6	8:00	30
2010	9	6	9:00	48
2010	9	6	10:00	35
2010	9	6	11:00	30
2010	9	6	12:00	28
2010	9	6	13:00	39
2010	9	6	14:00	43
2010	9	6	15:00	28
2010	9	6	16:00	28
2010	9	6	17:00	35
2010	9	6	18:00	22
2010	9	6	19:00	22
2010	9	6	20:00	19
2010	9	6	21:00	19
2010	9	6	22:00	24
2010	9	6	23:00	39
2010	9	7	0:00	32
2010	9	7	1:00	32
2010	9	7	2:00	26
2010	9	7	3:00	32
2010	9	7	4:00	35
2010	9	7	5:00	32

CLIMATE DATA TAKEN FROM ENVIRONMENT CANADA WEATHER STATION IN RESOLUTE BAY

Station Name	RESOLUTE CARS
Province	NUNAVUT
Latitude	74.72
Longitude	-94.97
Elevation	67.7
Climate Identifier	2403500
WMO Identifier	71924
TC Identifier	YRB

All times are specified in Local Standard Time (LST).

Year	Month	Day	Time	Wind Spd (km/h)
2010	9	7	6:00	30
2010	9	7	7:00	39
2010	9	7	8:00	33
2010	9	7	9:00	32
2010	9	7	10:00	26
2010	9	7	11:00	26
2010	9	7	12:00	20
2010	9	7	13:00	20
2010	9	7	14:00	32
2010	9	7	15:00	26
2010	9	7	16:00	30
2010	9	7	17:00	26
2010	9	7	18:00	28
2010	9	7	19:00	28
2010	9	7	20:00	24
2010	9	7	21:00	19
2010	9	7	22:00	17
2010	9	7	23:00	32
2010	9	8	0:00	19
2010	9	8	1:00	24
2010	9	8	2:00	13
2010	9	8	3:00	7
2010	9	8	4:00	30
2010	9	8	5:00	26
2010	9	8	6:00	30
2010	9	8	7:00	26
2010	9	8	8:00	26
2010	9	8	9:00	24
2010	9	8	10:00	24
2010	9	8	11:00	28
2010	9	8	12:00	30
2010	9	8	13:00	20
2010	9	8	14:00	28
2010	9	8	15:00	35
2010	9	8	16:00	28
2010	9	8	17:00	28
2010	9	8	18:00	28
2010	9	8	19:00	26
2010	9	8	20:00	30
2010	9	8	21:00	24
2010	9	8	22:00	26
2010	9	8	23:00	20
2010	9	9	0:00	6
2010	9	9	1:00	20
2010	9	9	2:00	13
2010	9	9	3:00	13
2010	9	9	4:00	17
2010	9	9	5:00	15
2010	9	9	6:00	17
2010	9	9	7:00	22
2010	9	9	8:00	24
2010	9	9	9:00	19
2010	9	9	10:00	24
2010	9	9	11:00	28
2010	9	9	12:00	24
2010	9	9	13:00	24
2010	9	9	14:00	24
2010	9	9	15:00	22
2010	9	9	16:00	24
2010	9	9	17:00	17
2010	9	9	18:00	20
2010	9	9	19:00	19
2010	9	9	20:00	11
2010	9	9	21:00	11
2010	9	9	22:00	6
2010	9	9	23:00	11
2010	9	10	0:00	11
2010	9	10	1:00	11
2010	9	10	2:00	11
2010	9	10	3:00	7
2010	9	10	4:00	11
2010	9	10	5:00	7
2010	9	10	6:00	13
2010	9	10	7:00	6
2010	9	10	8:00	15

CLIMATE DATA TAKEN FROM ENVIRONMENT CANADA WEATHER STATION IN RESOLUTE BAY

Station Name	RESOLUTE CARS
Province	NUNAVUT
Latitude	74.72
Longitude	-94.97
Elevation	67.7
Climate Identifier	2403500
WMO Identifier	71924
TC Identifier	YRB

All times are specified in Local Standard Time (LST).

Year	Month	Day	Time	Wind Spd (km/h)
2010	9	10	9:00	15
2010	9	10	10:00	15
2010	9	10	11:00	19
2010	9	10	12:00	15
2010	9	10	13:00	17
2010	9	10	14:00	15
2010	9	10	15:00	13
2010	9	10	16:00	17
2010	9	10	17:00	17
2010	9	10	18:00	11
2010	9	10	19:00	11
2010	9	10	20:00	9
2010	9	10	21:00	7
2010	9	10	22:00	11
2010	9	10	23:00	15
2010	9	11	0:00	19
2010	9	11	1:00	15
2010	9	11	2:00	11
2010	9	11	3:00	6
2010	9	11	4:00	15
2010	9	11	5:00	6
2010	9	11	6:00	9
2010	9	11	7:00	6
2010	9	11	8:00	6
2010	9	11	9:00	6
2010	9	11	10:00	6
2010	9	11	11:00	7
2010	9	11	12:00	7
2010	9	11	13:00	6
2010	9	11	14:00	7
2010	9	11	15:00	7
2010	9	11	16:00	6
2010	9	11	17:00	4
2010	9	11	18:00	0
2010	9	11	19:00	0
2010	9	11	20:00	0
2010	9	11	21:00	9
2010	9	11	22:00	7
2010	9	11	23:00	13
2010	9	12	0:00	15
2010	9	12	1:00	15
2010	9	12	2:00	19
2010	9	12	3:00	22
2010	9	12	4:00	19
2010	9	12	5:00	20
2010	9	12	6:00	22
2010	9	12	7:00	20
2010	9	12	8:00	17
2010	9	12	9:00	22
2010	9	12	10:00	22
2010	9	12	11:00	19
2010	9	12	12:00	11
2010	9	12	13:00	11
2010	9	12	14:00	13
2010	9	12	15:00	15
2010	9	12	16:00	17
2010	9	12	17:00	13
2010	9	12	18:00	11
2010	9	12	19:00	11
2010	9	12	20:00	9
2010	9	12	21:00	11
2010	9	12	22:00	9
2010	9	12	23:00	6
2010	9	13	0:00	7
2010	9	13	1:00	4
2010	9	13	2:00	7
2010	9	13	3:00	4
2010	9	13	4:00	0
2010	9	13	5:00	0
2010	9	13	6:00	4
2010	9	13	7:00	6
2010	9	13	8:00	6
2010	9	13	9:00	7
2010	9	13	10:00	13
2010	9	13	11:00	15

CLIMATE DATA TAKEN FROM ENVIRONMENT CANADA WEATHER STATION IN RESOLUTE BAY

Station Name	RESOLUTE CARS
Province	NUNAVUT
Latitude	74.72
Longitude	-94.97
Elevation	67.7
Climate Identifier	2403500
WMO Identifier	71924
TC Identifier	YRB

All times are specified in Local Standard Time (LST).

Year	Month	Day	Time	Wind Spd (km/h)
2010	9	13	12:00	15
2010	9	13	13:00	13
2010	9	13	14:00	11
2010	9	13	15:00	13
2010	9	13	16:00	17
2010	9	13	17:00	17
2010	9	13	18:00	15
2010	9	13	19:00	11
2010	9	13	20:00	13
2010	9	13	21:00	17
2010	9	13	22:00	20
2010	9	13	23:00	15
2010	9	14	0:00	19
2010	9	14	1:00	26
2010	9	14	2:00	24
2010	9	14	3:00	24
2010	9	14	4:00	35
2010	9	14	5:00	35
2010	9	14	6:00	33
2010	9	14	7:00	35
2010	9	14	8:00	41
2010	9	14	9:00	41
2010	9	14	10:00	43
2010	9	14	11:00	43
2010	9	14	12:00	39
2010	9	14	13:00	32
2010	9	14	14:00	26
2010	9	14	15:00	30
2010	9	14	16:00	33
2010	9	14	17:00	35
2010	9	14	18:00	26
2010	9	14	19:00	26
2010	9	14	20:00	41
2010	9	14	21:00	35
2010	9	14	22:00	43
2010	9	14	23:00	35
2010	9	15	0:00	46
2010	9	15	1:00	43
2010	9	15	2:00	48
2010	9	15	3:00	56
2010	9	15	4:00	46
2010	9	15	5:00	46
2010	9	15	6:00	44
2010	9	15	7:00	50
2010	9	15	8:00	44
2010	9	15	9:00	46
2010	9	15	10:00	46
2010	9	15	11:00	39
2010	9	15	12:00	41
2010	9	15	13:00	33
2010	9	15	14:00	43
2010	9	15	15:00	39
2010	9	15	16:00	35
2010	9	15	17:00	30
2010	9	15	18:00	19
2010	9	15	19:00	13
2010	9	15	20:00	26
2010	9	15	21:00	26
2010	9	15	22:00	22
2010	9	15	23:00	33
2010	9	16	0:00	28
2010	9	16	1:00	28
2010	9	16	2:00	28
2010	9	16	3:00	26
2010	9	16	4:00	30
2010	9	16	5:00	33
2010	9	16	6:00	33
2010	9	16	7:00	28
2010	9	16	8:00	24
2010	9	16	9:00	26
2010	9	16	10:00	15
2010	9	16	11:00	26
2010	9	16	12:00	30
2010	9	16	13:00	22
2010	9	16	14:00	28

CLIMATE DATA TAKEN FROM ENVIRONMENT CANADA WEATHER STATION IN RESOLUTE BAY

Station Name	RESOLUTE CARS
Province	NUNAVUT
Latitude	74.72
Longitude	-94.97
Elevation	67.7
Climate Identifier	2403500
WMO Identifier	71924
TC Identifier	YRB

All times are specified in Local Standard Time (LST).

Year	Month	Day	Time	Wind Spd (km/h)
2010	9	16	15:00	26
2010	9	16	16:00	24
2010	9	16	17:00	17
2010	9	16	18:00	17
2010	9	16	19:00	22
2010	9	16	20:00	24
2010	9	16	21:00	19
2010	9	16	22:00	33
2010	9	16	23:00	28
2010	9	17	0:00	28
2010	9	17	1:00	26
2010	9	17	2:00	32
2010	9	17	3:00	30
2010	9	17	4:00	30
2010	9	17	5:00	33
2010	9	17	6:00	28
2010	9	17	7:00	28
2010	9	17	8:00	35
2010	9	17	9:00	35
2010	9	17	10:00	32
2010	9	17	11:00	28
2010	9	17	12:00	22
2010	9	17	13:00	32
2010	9	17	14:00	28
2010	9	17	15:00	24
2010	9	17	16:00	11
2010	9	17	17:00	7
2010	9	17	18:00	6
2010	9	17	19:00	39
2010	9	17	20:00	35
2010	9	17	21:00	33
2010	9	17	22:00	28
2010	9	17	23:00	37
2010	9	18	0:00	4
2010	9	18	1:00	32
2010	9	18	2:00	0
2010	9	18	3:00	11
2010	9	18	4:00	13
2010	9	18	5:00	7
2010	9	18	6:00	32
2010	9	18	7:00	13
2010	9	18	8:00	24
2010	9	18	9:00	19
2010	9	18	10:00	24
2010	9	18	11:00	22
2010	9	18	12:00	33
2010	9	18	13:00	24
2010	9	18	14:00	19
2010	9	18	15:00	28
2010	9	18	16:00	28
2010	9	18	17:00	41
2010	9	18	18:00	28
2010	9	18	19:00	26
2010	9	18	20:00	22
2010	9	18	21:00	22
2010	9	18	22:00	24
2010	9	18	23:00	24
2010	9	19	0:00	22
2010	9	19	1:00	26
2010	9	19	2:00	24
2010	9	19	3:00	28
2010	9	19	4:00	26
2010	9	19	5:00	24
2010	9	19	6:00	22
2010	9	19	7:00	17
2010	9	19	8:00	22
2010	9	19	9:00	24
2010	9	19	10:00	13
2010	9	19	11:00	19
2010	9	19	12:00	15
2010	9	19	13:00	15
2010	9	19	14:00	11
2010	9	19	15:00	15
2010	9	19	16:00	11
2010	9	19	17:00	13

CLIMATE DATA TAKEN FROM ENVIRONMENT CANADA WEATHER STATION IN RESOLUTE BAY

Station Name	RESOLUTE CARS
Province	NUNAVUT
Latitude	74.72
Longitude	-94.97
Elevation	67.7
Climate Identifier	2403500
WMO Identifier	71924
TC Identifier	YRB

All times are specified in Local Standard Time (LST).

Year	Month	Day	Time	Wind Spd (km/h)
2010	9	19	18:00	7
2010	9	19	19:00	11
2010	9	19	20:00	15
2010	9	19	21:00	13
2010	9	19	22:00	0
2010	9	19	23:00	
2010	9	20	0:00	0
2010	9	20	1:00	0
2010	9	20	2:00	0
2010	9	20	3:00	0
2010	9	20	4:00	15
2010	9	20	5:00	13
2010	9	20	6:00	13
2010	9	20	7:00	11
2010	9	20	8:00	13
2010	9	20	9:00	9
2010	9	20	10:00	0
2010	9	20	11:00	0
2010	9	20	12:00	13
2010	9	20	13:00	13
2010	9	20	14:00	22
2010	9	20	15:00	22
2010	9	20	16:00	20
2010	9	20	17:00	17
2010	9	20	18:00	20
2010	9	20	19:00	17
2010	9	20	20:00	22
2010	9	20	21:00	22
2010	9	20	22:00	20
2010	9	20	23:00	28
2010	9	21	0:00	22
2010	9	21	1:00	26
2010	9	21	2:00	26
2010	9	21	3:00	26
2010	9	21	4:00	24
2010	9	21	5:00	22
2010	9	21	6:00	19
2010	9	21	7:00	22
2010	9	21	8:00	28
2010	9	21	9:00	19
2010	9	21	10:00	30
2010	9	21	11:00	24
2010	9	21	12:00	24
2010	9	21	13:00	19
2010	9	21	14:00	19
2010	9	21	15:00	24
2010	9	21	16:00	17
2010	9	21	17:00	11
2010	9	21	18:00	15
2010	9	21	19:00	9
2010	9	21	20:00	11
2010	9	21	21:00	13
2010	9	21	22:00	17
2010	9	21	23:00	13
2010	9	22	0:00	11
2010	9	22	1:00	17
2010	9	22	2:00	19
2010	9	22	3:00	22
2010	9	22	4:00	26
2010	9	22	5:00	13
2010	9	22	6:00	17
2010	9	22	7:00	22
2010	9	22	8:00	20
2010	9	22	9:00	22
2010	9	22	10:00	19
2010	9	22	11:00	17
2010	9	22	12:00	17
2010	9	22	13:00	13
2010	9	22	14:00	7
2010	9	22	15:00	9
2010	9	22	16:00	6
2010	9	22	17:00	13
2010	9	22	18:00	9
2010	9	22	19:00	11
2010	9	22	20:00	11

CLIMATE DATA TAKEN FROM ENVIRONMENT CANADA WEATHER STATION IN RESOLUTE BAY

Station Name	RESOLUTE CARS
Province	NUNAVUT
Latitude	74.72
Longitude	-94.97
Elevation	67.7
Climate Identifier	2403500
WMO Identifier	71924
TC Identifier	YRB

All times are specified in Local Standard Time (LST).

Year	Month	Day	Time	Wind Spd (km/h)
2010	9	22	21:00	13
2010	9	22	22:00	13
2010	9	22	23:00	11
2010	9	23	0:00	15
2010	9	23	1:00	7
2010	9	23	2:00	9
2010	9	23	3:00	17
2010	9	23	4:00	11
2010	9	23	5:00	13
2010	9	23	6:00	19
2010	9	23	7:00	19
2010	9	23	8:00	15
2010	9	23	9:00	15
2010	9	23	10:00	13
2010	9	23	11:00	9
2010	9	23	12:00	17
2010	9	23	13:00	9
2010	9	23	14:00	13
2010	9	23	15:00	19
2010	9	23	16:00	20
2010	9	23	17:00	20
2010	9	23	18:00	15
2010	9	23	19:00	22
2010	9	23	20:00	20
2010	9	23	21:00	26
2010	9	23	22:00	20
2010	9	23	23:00	15
2010	9	24	0:00	30
2010	9	24	1:00	20
2010	9	24	2:00	33
2010	9	24	3:00	30
2010	9	24	4:00	15
2010	9	24	5:00	15
2010	9	24	6:00	17
2010	9	24	7:00	19
2010	9	24	8:00	19
2010	9	24	9:00	20
2010	9	24	10:00	19
2010	9	24	11:00	20
2010	9	24	12:00	24
2010	9	24	13:00	22
2010	9	24	14:00	20
2010	9	24	15:00	19
2010	9	24	16:00	20
2010	9	24	17:00	13
2010	9	24	18:00	13
2010	9	24	19:00	11
2010	9	24	20:00	13
2010	9	24	21:00	15
2010	9	24	22:00	13
2010	9	24	23:00	13
2010	9	25	0:00	13
2010	9	25	1:00	19
2010	9	25	2:00	13
2010	9	25	3:00	17
2010	9	25	4:00	17
2010	9	25	5:00	6
2010	9	25	6:00	20
2010	9	25	7:00	15
2010	9	25	8:00	9
2010	9	25	9:00	9
2010	9	25	10:00	11
2010	9	25	11:00	9
2010	9	25	12:00	7
2010	9	25	13:00	15
2010	9	25	14:00	13
2010	9	25	15:00	13
2010	9	25	16:00	9
2010	9	25	17:00	20
2010	9	25	18:00	22
2010	9	25	19:00	20
2010	9	25	20:00	22
2010	9	25	21:00	15
2010	9	25	22:00	19
2010	9	25	23:00	22

CLIMATE DATA TAKEN FROM ENVIRONMENT CANADA WEATHER STATION IN RESOLUTE BAY

Station Name	RESOLUTE CARS
Province	NUNAVUT
Latitude	74.72
Longitude	-94.97
Elevation	67.7
Climate Identifier	2403500
WMO Identifier	71924
TC Identifier	YRB

All times are specified in Local Standard Time (LST).

Year	Month	Day	Time	Wind Spd (km/h)
2010	9	26	0:00	15
2010	9	26	1:00	24
2010	9	26	2:00	22
2010	9	26	3:00	19
2010	9	26	4:00	20
2010	9	26	5:00	13
2010	9	26	6:00	28
2010	9	26	7:00	30
2010	9	26	8:00	26
2010	9	26	9:00	35
2010	9	26	10:00	30
2010	9	26	11:00	30
2010	9	26	12:00	24
2010	9	26	13:00	26
2010	9	26	14:00	35
2010	9	26	15:00	28
2010	9	26	16:00	33
2010	9	26	17:00	37
2010	9	26	18:00	26
2010	9	26	19:00	35
2010	9	26	20:00	39
2010	9	26	21:00	28
2010	9	26	22:00	35
2010	9	26	23:00	37
2010	9	27	0:00	35
2010	9	27	1:00	32
2010	9	27	2:00	41
2010	9	27	3:00	35
2010	9	27	4:00	41
2010	9	27	5:00	32
2010	9	27	6:00	33
2010	9	27	7:00	35
2010	9	27	8:00	35
2010	9	27	9:00	37
2010	9	27	10:00	37
2010	9	27	11:00	33
2010	9	27	12:00	26
2010	9	27	13:00	33
2010	9	27	14:00	22
2010	9	27	15:00	22
2010	9	27	16:00	19
2010	9	27	17:00	20
2010	9	27	18:00	7
2010	9	27	19:00	20
2010	9	27	20:00	13
2010	9	27	21:00	17
2010	9	27	22:00	7
2010	9	27	23:00	15
2010	9	28	0:00	11
2010	9	28	1:00	15
2010	9	28	2:00	13
2010	9	28	3:00	11
2010	9	28	4:00	11
2010	9	28	5:00	4
2010	9	28	6:00	6
2010	9	28	7:00	6
2010	9	28	8:00	0
2010	9	28	9:00	4
2010	9	28	10:00	6
2010	9	28	11:00	4
2010	9	28	12:00	7
2010	9	28	13:00	9
2010	9	28	14:00	6
2010	9	28	15:00	7
2010	9	28	16:00	6
2010	9	28	17:00	13
2010	9	28	18:00	15
2010	9	28	19:00	13
2010	9	28	20:00	13
2010	9	28	21:00	11
2010	9	28	22:00	6
2010	9	28	23:00	13
2010	9	29	0:00	6
2010	9	29	1:00	6
2010	9	29	2:00	11

CLIMATE DATA TAKEN FROM ENVIRONMENT CANADA WEATHER STATION IN RESOLUTE BAY

Station Name	RESOLUTE CARS
Province	NUNAVUT
Latitude	74.72
Longitude	-94.97
Elevation	67.7
Climate Identifier	2403500
WMO Identifier	71924
TC Identifier	YRB

All times are specified in Local Standard Time (LST).

Year	Month	Day	Time	Wind Spd (km/h)
2010	9	29	3:00	13
2010	9	29	4:00	17
2010	9	29	5:00	19
2010	9	29	6:00	20
2010	9	29	7:00	20
2010	9	29	8:00	24
2010	9	29	9:00	24
2010	9	29	10:00	22
2010	9	29	11:00	30
2010	9	29	12:00	22
2010	9	29	13:00	32
2010	9	29	14:00	32
2010	9	29	15:00	33
2010	9	29	16:00	26
2010	9	29	17:00	30
2010	9	29	18:00	26
2010	9	29	19:00	22
2010	9	29	20:00	19
2010	9	29	21:00	17
2010	9	29	22:00	20
2010	9	29	23:00	26
2010	9	30	0:00	44
2010	9	30	1:00	39
2010	9	30	2:00	26
2010	9	30	3:00	30
2010	9	30	4:00	33
2010	9	30	5:00	24
2010	9	30	6:00	22
2010	9	30	7:00	15
2010	9	30	8:00	15
2010	9	30	9:00	7
2010	9	30	10:00	6
2010	9	30	11:00	6
2010	9	30	12:00	20
2010	9	30	13:00	
2010	9	30	14:00	17
2010	9	30	15:00	20
2010	9	30	16:00	22
2010	9	30	17:00	22
2010	9	30	18:00	24
2010	9	30	19:00	39
2010	9	30	20:00	28
2010	9	30	21:00	30
2010	9	30	22:00	32
2010	9	30	23:00	28

APPENDIX 9

Landfill Thermistor Monitoring Data

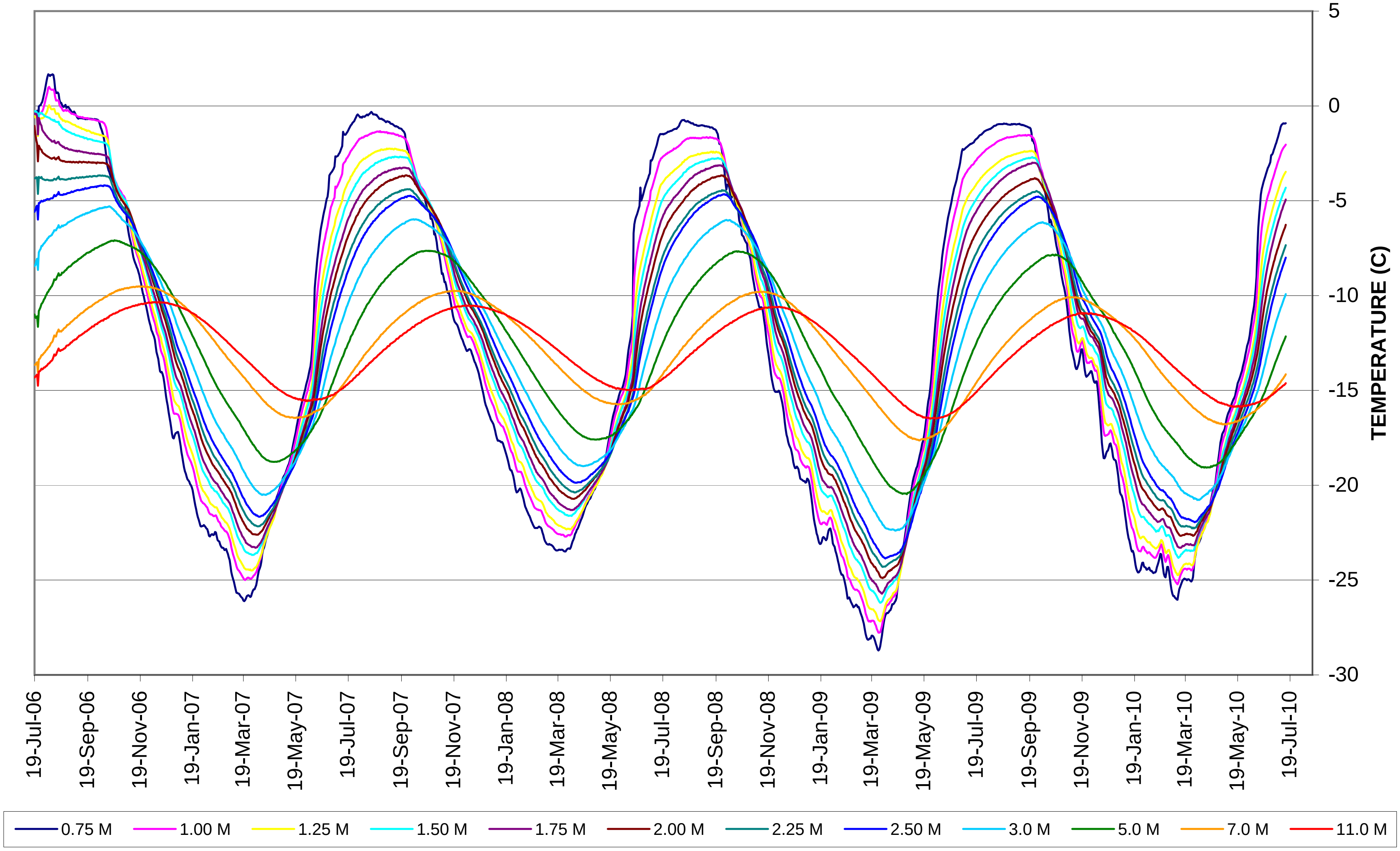
Including the

Operational Landfill

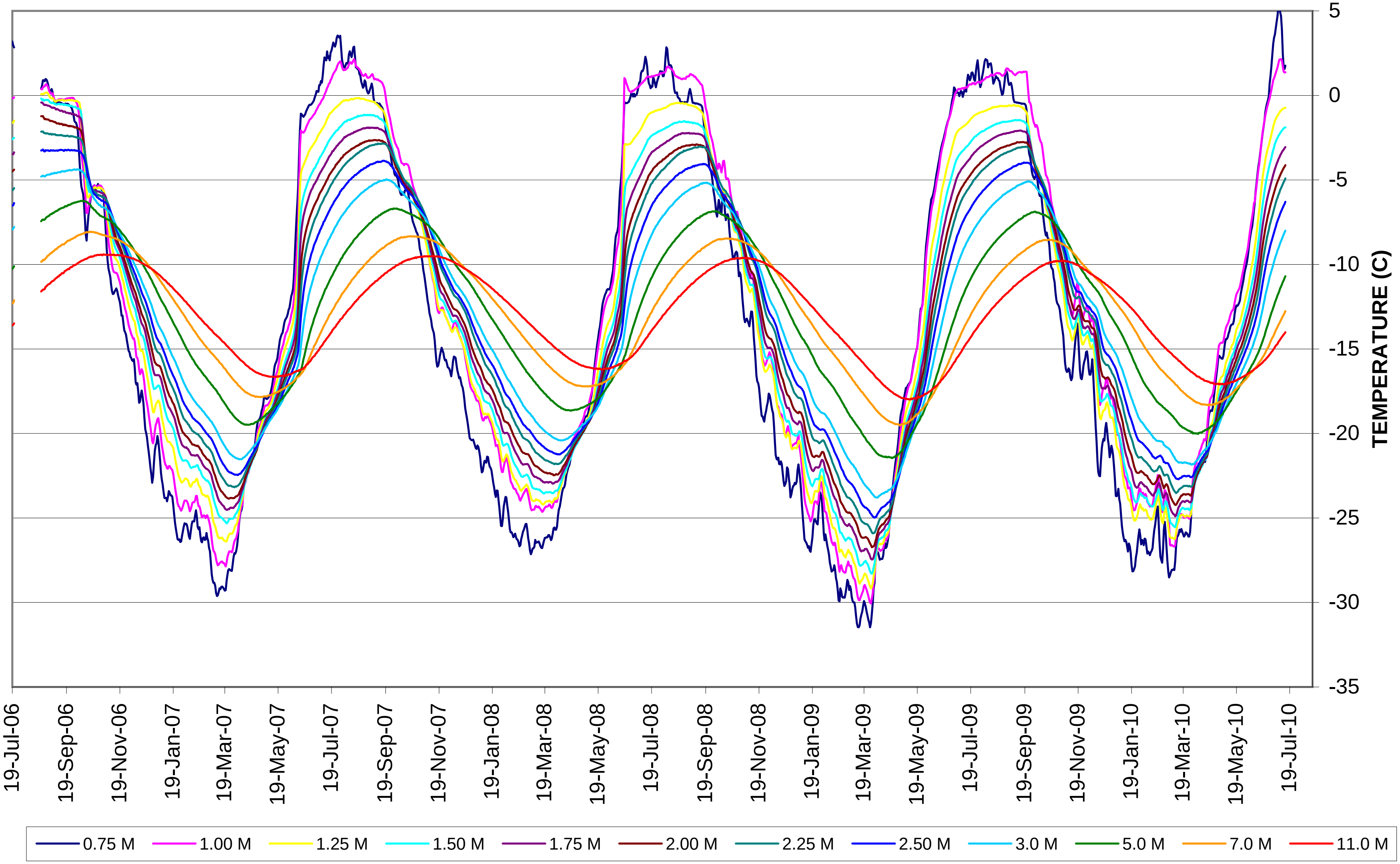
And

Little Red Dog Quarry Landfill

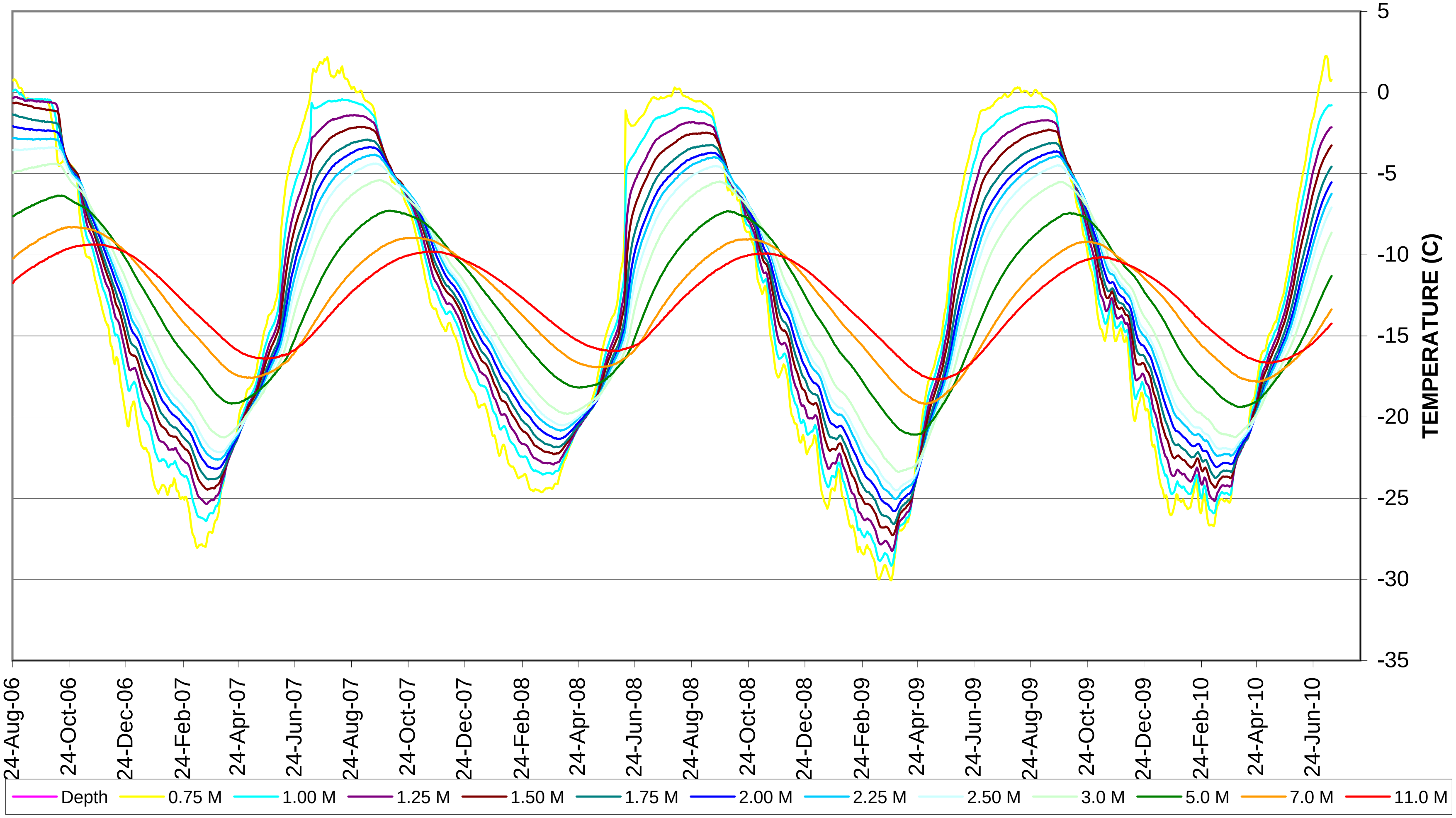
OPERATIONAL LANDFILL THERMISTOR #OL1
Temperature By Depth Below Surface VS Date



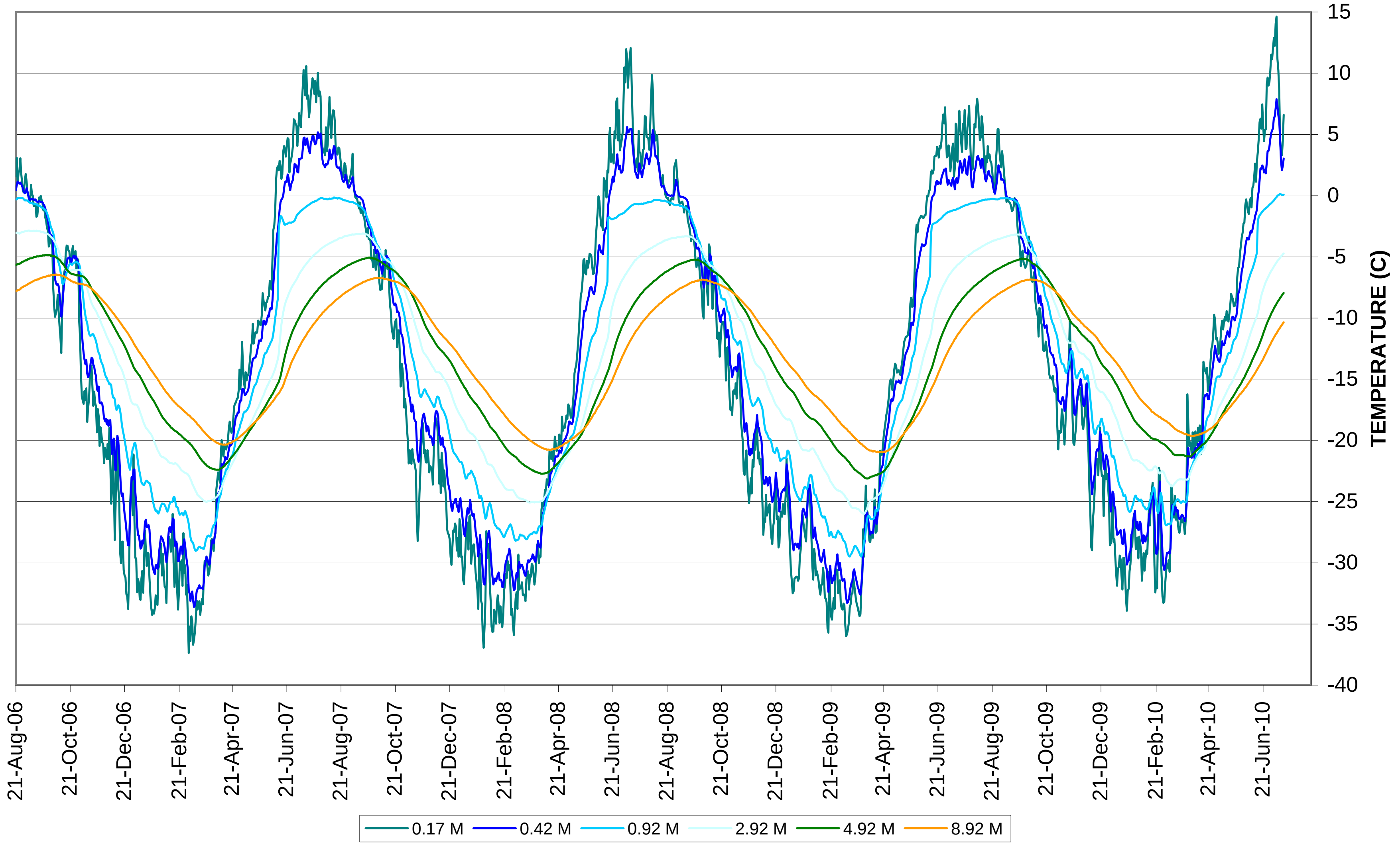
OPERATIONAL LANDFILL THERMISTOR #OL2
Temperature By Depth Below Surface VS Date



OPERATIONAL LANDFILL THERMISTOR #OL3
Temperature By Depth Below Surface VS Date



OPERATIONAL LANDFILL THERMISTOR #OL4
Temperature By Depth Below Surface VS Date



OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL1

Bulb	TH1_1	TH1_2	TH1_3	TH1_4	TH1_5	TH1_6	TH1_7	TH1_8	TH1_9	TH1_10	TH1_11	TH1_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
1-Jan-09	-19.86	-19.06	-18.48	-17.56	-16.97	-16.26	-15.81	-15.16	-13.96	-12.38	-11.16	-11.08
2-Jan-09	-19.84	-19.07	-18.52	-17.63	-17.07	-16.36	-15.91	-15.25	-14.06	-12.44	-11.2	-11.12
3-Jan-09	-19.65	-18.99	-18.57	-17.71	-17.14	-16.47	-15.98	-15.36	-14.16	-12.54	-11.26	-11.15
4-Jan-09	-19.68	-19.02	-18.56	-17.73	-17.2	-16.52	-16.07	-15.47	-14.26	-12.64	-11.31	-11.17
5-Jan-09	-19.77	-19.04	-18.59	-17.75	-17.25	-16.57	-16.15	-15.55	-14.34	-12.75	-11.36	-11.22
6-Jan-09	-20	-19.17	-18.68	-17.84	-17.31	-16.66	-16.23	-15.63	-14.48	-12.82	-11.43	-11.24
7-Jan-09	-20.33	-19.39	-18.8	-17.93	-17.42	-16.74	-16.31	-15.71	-14.56	-12.9	-11.45	-11.28
8-Jan-09	-20.67	-19.65	-18.99	-18.05	-17.51	-16.83	-16.4	-15.79	-14.64	-13	-11.49	-11.3
9-Jan-09	-21.05	-19.92	-19.25	-18.24	-17.67	-16.95	-16.49	-15.91	-14.73	-13.09	-11.58	-11.33
10-Jan-09	-21.45	-20.26	-19.49	-18.44	-17.83	-17.08	-16.62	-16.01	-14.82	-13.15	-11.64	-11.36
11-Jan-09	-21.8	-20.57	-19.76	-18.67	-17.99	-17.24	-16.74	-16.13	-14.91	-13.26	-11.67	-11.39
12-Jan-09	-22.06	-20.85	-19.99	-18.9	-18.18	-17.39	-16.9	-16.25	-15.03	-13.32	-11.72	-11.42
13-Jan-09	-22.27	-21.06	-20.23	-19.09	-18.38	-17.58	-17.02	-16.38	-15.12	-13.44	-11.78	-11.45
14-Jan-09	-22.54	-21.31	-20.44	-19.3	-18.58	-17.75	-17.18	-16.54	-15.24	-13.5	-11.84	-11.48
15-Jan-09	-22.67	-21.51	-20.67	-19.51	-18.79	-17.92	-17.35	-16.67	-15.32	-13.6	-11.88	-11.52
16-Jan-09	-22.86	-21.7	-20.81	-19.69	-18.99	-18.09	-17.52	-16.8	-15.44	-13.66	-11.92	-11.56
17-Jan-09	-23.03	-21.86	-21.01	-19.88	-19.15	-18.27	-17.67	-16.98	-15.59	-13.75	-12	-11.61
18-Jan-09	-23.1	-22	-21.18	-20.04	-19.31	-18.46	-17.82	-17.13	-15.7	-13.82	-12.05	-11.63
19-Jan-09	-23.08	-22.05	-21.3	-20.19	-19.49	-18.6	-17.96	-17.27	-15.84	-13.93	-12.09	-11.68
20-Jan-09	-22.97	-22.05	-21.37	-20.29	-19.62	-18.73	-18.12	-17.42	-15.95	-14.01	-12.15	-11.7
21-Jan-09	-22.77	-21.97	-21.4	-20.35	-19.75	-18.85	-18.24	-17.54	-16.07	-14.12	-12.22	-11.75
22-Jan-09	-22.73	-21.97	-21.36	-20.39	-19.78	-18.95	-18.36	-17.66	-16.21	-14.2	-12.25	-11.77
23-Jan-09	-22.77	-21.96	-21.39	-20.45	-19.84	-19.04	-18.46	-17.79	-16.3	-14.29	-12.32	-11.82
24-Jan-09	-22.84	-22	-21.43	-20.48	-19.91	-19.14	-18.55	-17.91	-16.42	-14.4	-12.35	-11.85
25-Jan-09	-22.9	-22.06	-21.48	-20.54	-19.96	-19.16	-18.64	-17.97	-16.54	-14.51	-12.41	-11.88
26-Jan-09	-22.83	-22.09	-21.52	-20.58	-20.03	-19.23	-18.71	-18.07	-16.6	-14.6	-12.46	-11.94
27-Jan-09	-22.6	-21.95	-21.52	-20.64	-20.1	-19.33	-18.8	-18.16	-16.72	-14.69	-12.55	-11.96
28-Jan-09	-22.38	-21.83	-21.44	-20.6	-20.09	-19.39	-18.86	-18.22	-16.8	-14.77	-12.59	-12.01
29-Jan-09	-22.3	-21.72	-21.36	-20.56	-20.12	-19.41	-18.92	-18.3	-16.89	-14.85	-12.64	-12.03
30-Jan-09	-22.28	-21.7	-21.31	-20.55	-20.1	-19.43	-18.97	-18.38	-16.97	-14.95	-12.71	-12.09
31-Jan-09	-22.46	-21.77	-21.31	-20.54	-20.09	-19.46	-18.99	-18.44	-17.08	-15.06	-12.76	-12.11
1-Feb-09	-22.74	-21.9	-21.4	-20.57	-20.15	-19.45	-19.02	-18.47	-17.1	-15.11	-12.83	-12.16
2-Feb-09	-23.07	-22.11	-21.58	-20.66	-20.18	-19.51	-19.05	-18.5	-17.2	-15.2	-12.89	-12.19
3-Feb-09	-23.17	-22.32	-21.7	-20.79	-20.27	-19.6	-19.13	-18.58	-17.25	-15.27	-12.93	-12.23
4-Feb-09	-23.24	-22.38	-21.8	-20.88	-20.4	-19.69	-19.19	-18.64	-17.33	-15.35	-12.98	-12.28
5-Feb-09	-23.47	-22.53	-21.92	-20.99	-20.47	-19.73	-19.26	-18.71	-17.4	-15.42	-13.04	-12.31
6-Feb-09	-23.62	-22.68	-22.06	-21.09	-20.57	-19.86	-19.36	-18.8	-17.46	-15.5	-13.09	-12.36
7-Feb-09	-23.81	-22.86	-22.2	-21.23	-20.68	-19.96	-19.42	-18.86	-17.52	-15.56	-13.18	-12.42
8-Feb-09	-24	-23.01	-22.35	-21.34	-20.81	-20.06	-19.52	-18.96	-17.61	-15.62	-13.21	-12.45
9-Feb-09	-24.19	-23.19	-22.49	-21.47	-20.91	-20.15	-19.62	-19.05	-17.7	-15.67	-13.28	-12.49
10-Feb-09	-24.44	-23.4	-22.65	-21.63	-21.03	-20.27	-19.73	-19.17	-17.75	-15.78	-13.33	-12.54
11-Feb-09	-24.59	-23.58	-22.86	-21.8	-21.2	-20.37	-19.82	-19.22	-17.87	-15.83	-13.38	-12.59
12-Feb-09	-24.72	-23.71	-22.99	-21.93	-21.32	-20.52	-19.94	-19.34	-17.94	-15.91	-13.42	-12.6
13-Feb-09	-24.71	-23.77	-23.09	-22.06	-21.45	-20.64	-20.06	-19.46	-17.99	-15.98	-13.49	-12.67
14-Feb-09	-24.77	-23.83	-23.19	-22.19	-21.57	-20.77	-20.18	-19.57	-18.1	-16.06	-13.56	-12.68
15-Feb-09	-24.94	-23.96	-23.31	-22.27	-21.69	-20.88	-20.29	-19.65	-18.21	-16.12	-13.6	-12.75
16-Feb-09	-25.14	-24.15	-23.42	-22.38	-21.8	-20.95	-20.39	-19.75	-18.27	-16.18	-13.66	-12.78
17-Feb-09	-25.37	-24.29	-23.59	-22.51	-21.92	-21.1	-20.48	-19.87	-18.38	-16.29	-13.69	-12.84
18-Feb-09	-25.65	-24.49	-23.75	-22.66	-22.03	-21.18	-20.58	-19.97	-18.48	-16.35	-13.75	-12.87
19-Feb-09	-25.98	-24.81	-23.98	-22.85	-22.19	-21.33	-20.7	-20.08	-18.56	-16.4	-13.8	-12.92
20-Feb-09	-25.96	-24.9	-24.15	-23	-22.34	-21.47	-20.84	-20.19	-18.69	-16.49	-13.86	-12.94
21-Feb-09	-25.91	-24.93	-24.26	-23.15	-22.48	-21.61	-20.97	-20.32	-18.78	-16.57	-13.93	-12.99
22-Feb-09	-26.03	-25.01	-24.34	-23.26	-22.63	-21.75	-21.08	-20.45	-18.88	-16.63	-13.96	-13.05
23-Feb-09	-26.16	-25.14	-24.42	-23.34	-22.74	-21.87	-21.19	-20.53	-18.99	-16.73	-14.03	-13.09
24-Feb-09	-26.25	-25.27	-24.55	-23.46	-22.83	-21.95	-21.3	-20.68	-19.09	-16.83	-14.09	-13.12
25-Feb-09	-26.33	-25.34	-24.66	-23.57	-22.97	-22.05	-21.44	-20.77	-19.18	-16.89	-14.14	-13.17
26-Feb-09	-26.44	-25.44	-24.76	-23.67	-23.06	-22.18	-21.53	-20.9	-19.27	-16.97	-14.2	-13.2
27-Feb-09	-26.39	-25.48	-24.84	-23.78	-23.18	-22.29	-21.64	-20.97	-19.37	-17.07	-14.26	-13.22
28-Feb-09	-26.35	-25.52	-24.87	-23.85	-23.24	-22.39	-21.74	-21.1	-19.46	-17.12	-14.31	-13.3
1-Mar-09	-26.29	-25.5	-24.9	-23.92	-23.34	-22.45	-21.83	-21.19	-19.58	-17.23	-14.35	-13.31
2-Mar-09	-26.34	-25.51	-24.91	-23.93	-23.39	-22.53	-21.91	-21.27	-19.63	-17.3	-14.42	-13.35
3-Mar-09	-26.43	-25.56	-24.99	-24.01	-23.47	-22.61	-21.99	-21.38	-19.76	-17.4	-14.48	-13.41
4-Mar-09	-26.41	-25.58	-25.05	-24.06	-23.49	-22.66	-22.08	-21.47	-19.84	-17.47	-14.51	-13.48
5-Mar-09	-26.54	-25.67	-25.1	-24.11	-23.61	-22.74	-22.16	-21.51	-19.92	-17.54	-14.58	-13.51
6-Mar-09	-26.71	-25.79	-25.18	-24.19	-23.65	-22.82	-22.23	-21.62	-19.98	-17.64	-14.64	-13.54
7-Mar-09	-26.84	-25.91	-25.3	-24.27	-23.72	-22.89	-22.3	-21.69	-20.09	-17.7	-14.7	-13.6

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL1

Bulb Depth	TH1_1 0.75 M	TH1_2 1.00 M	TH1_3 1.25 M	TH1_4 1.50 M	TH1_5 1.75 M	TH1_6 2.00 M	TH1_7 2.25 M	TH1_8 2.50 M	TH1_9 3.0 M	TH1_10 5.0 M	TH1_11 7.0 M	TH1_12 11.0 M
8-Mar-09	-26.97	-26.04	-25.38	-24.38	-23.84	-23	-22.38	-21.76	-20.15	-17.79	-14.76	-13.63
9-Mar-09	-27.13	-26.15	-25.49	-24.49	-23.94	-23.07	-22.48	-21.86	-20.25	-17.88	-14.8	-13.67
10-Mar-09	-27.3	-26.32	-25.61	-24.6	-24.02	-23.14	-22.54	-21.92	-20.31	-17.94	-14.88	-13.72
11-Mar-09	-27.57	-26.49	-25.78	-24.73	-24.14	-23.26	-22.62	-22.04	-20.38	-18	-14.92	-13.76
12-Mar-09	-27.83	-26.75	-25.95	-24.85	-24.26	-23.37	-22.74	-22.11	-20.45	-18.07	-14.98	-13.79
13-Mar-09	-28.01	-26.88	-26.12	-25.01	-24.38	-23.49	-22.85	-22.22	-20.56	-18.17	-15.04	-13.85
14-Mar-09	-28.12	-27.02	-26.3	-25.15	-24.51	-23.62	-22.94	-22.31	-20.64	-18.25	-15.09	-13.89
15-Mar-09	-28.15	-27.14	-26.37	-25.26	-24.62	-23.72	-23.04	-22.45	-20.7	-18.31	-15.14	-13.94
16-Mar-09	-28.12	-27.19	-26.46	-25.39	-24.75	-23.85	-23.16	-22.53	-20.85	-18.38	-15.21	-13.98
17-Mar-09	-28.07	-27.15	-26.51	-25.47	-24.87	-23.92	-23.27	-22.64	-20.92	-18.44	-15.26	-14.01
18-Mar-09	-28.08	-27.2	-26.51	-25.52	-24.91	-24.05	-23.36	-22.76	-21.03	-18.55	-15.3	-14.07
19-Mar-09	-27.93	-27.14	-26.54	-25.54	-24.98	-24.11	-23.46	-22.82	-21.09	-18.63	-15.37	-14.12
20-Mar-09	-27.93	-27.14	-26.54	-25.59	-25.06	-24.15	-23.53	-22.89	-21.19	-18.69	-15.43	-14.14
21-Mar-09	-27.97	-27.14	-26.54	-25.58	-25.06	-24.22	-23.61	-23	-21.26	-18.79	-15.49	-14.2
22-Mar-09	-28.06	-27.18	-26.62	-25.66	-25.13	-24.3	-23.64	-23.07	-21.36	-18.85	-15.55	-14.25
23-Mar-09	-28.2	-27.31	-26.67	-25.71	-25.18	-24.3	-23.72	-23.11	-21.4	-18.92	-15.61	-14.29
24-Mar-09	-28.37	-27.4	-26.75	-25.79	-25.21	-24.38	-23.76	-23.19	-21.47	-19.01	-15.64	-14.34
25-Mar-09	-28.51	-27.57	-26.88	-25.87	-25.33	-24.49	-23.83	-23.3	-21.57	-19.08	-15.72	-14.4
26-Mar-09	-28.65	-27.66	-27.01	-25.96	-25.38	-24.54	-23.92	-23.34	-21.65	-19.15	-15.79	-14.43
27-Mar-09	-28.71	-27.77	-27.11	-26.05	-25.52	-24.59	-23.97	-23.4	-21.7	-19.2	-15.84	-14.48
28-Mar-09	-28.66	-27.77	-27.15	-26.14	-25.6	-24.71	-24.08	-23.51	-21.81	-19.3	-15.9	-14.54
29-Mar-09	-28.5	-27.75	-27.18	-26.2	-25.62	-24.82	-24.15	-23.57	-21.87	-19.36	-15.93	-14.57
30-Mar-09	-28.21	-27.59	-27.11	-26.18	-25.68	-24.87	-24.2	-23.66	-21.92	-19.43	-15.99	-14.63
31-Mar-09	-27.93	-27.41	-27.02	-26.13	-25.72	-24.87	-24.28	-23.7	-21.99	-19.5	-16.06	-14.67
1-Apr-09	-27.62	-27.18	-26.88	-26.08	-25.67	-24.9	-24.31	-23.77	-22.09	-19.56	-16.11	-14.72
2-Apr-09	-27.3	-26.95	-26.7	-25.94	-25.61	-24.85	-24.29	-23.79	-22.11	-19.61	-16.16	-14.76
3-Apr-09	-27.04	-26.7	-26.53	-25.86	-25.53	-24.85	-24.29	-23.83	-22.19	-19.68	-16.22	-14.79
4-Apr-09	-26.86	-26.52	-26.35	-25.73	-25.4	-24.8	-24.29	-23.86	-22.25	-19.77	-16.27	-14.84
5-Apr-09	-26.77	-26.39	-26.22	-25.6	-25.36	-24.71	-24.24	-23.82	-22.28	-19.8	-16.32	-14.89
6-Apr-09	-26.73	-26.31	-26.14	-25.48	-25.24	-24.64	-24.21	-23.82	-22.29	-19.87	-16.39	-14.96
7-Apr-09	-26.74	-26.31	-26.06	-25.45	-25.16	-24.57	-24.17	-23.79	-22.29	-19.94	-16.43	-14.99
8-Apr-09	-26.69	-26.27	-26.02	-25.36	-25.12	-24.52	-24.13	-23.78	-22.32	-19.97	-16.48	-15.04
9-Apr-09	-26.61	-26.19	-25.98	-25.33	-25.09	-24.53	-24.1	-23.75	-22.33	-20.05	-16.55	-15.08
10-Apr-09	-26.58	-26.12	-25.95	-25.29	-25.05	-24.46	-24.07	-23.72	-22.34	-20.09	-16.59	-15.12
11-Apr-09	-26.46	-26.08	-25.87	-25.22	-25.02	-24.47	-24.04	-23.73	-22.35	-20.1	-16.66	-15.16
12-Apr-09	-26.27	-25.94	-25.81	-25.2	-24.96	-24.4	-24.02	-23.71	-22.32	-20.14	-16.7	-15.22
13-Apr-09	-26.28	-25.9	-25.7	-25.13	-24.89	-24.37	-23.98	-23.71	-22.33	-20.18	-16.74	-15.26
14-Apr-09	-26.24	-25.87	-25.66	-25.05	-24.85	-24.34	-23.95	-23.68	-22.34	-20.19	-16.77	-15.3
15-Apr-09	-26.16	-25.79	-25.62	-25.02	-24.86	-24.3	-23.95	-23.65	-22.38	-20.23	-16.84	-15.33
16-Apr-09	-26.08	-25.75	-25.59	-24.98	-24.78	-24.27	-23.92	-23.66	-22.39	-20.27	-16.88	-15.37
17-Apr-09	-25.93	-25.64	-25.48	-24.92	-24.76	-24.25	-23.9	-23.63	-22.36	-20.32	-16.92	-15.44
18-Apr-09	-25.52	-25.39	-25.35	-24.83	-24.67	-24.2	-23.85	-23.62	-22.36	-20.31	-16.98	-15.47
19-Apr-09	-25.15	-25.11	-25.15	-24.71	-24.59	-24.16	-23.81	-23.55	-22.32	-20.35	-17.01	-15.52
20-Apr-09	-24.87	-24.87	-24.95	-24.56	-24.48	-24.05	-23.78	-23.55	-22.36	-20.38	-17.04	-15.56
21-Apr-09	-24.56	-24.6	-24.72	-24.37	-24.37	-23.94	-23.71	-23.52	-22.33	-20.39	-17.11	-15.59
22-Apr-09	-24.21	-24.33	-24.48	-24.21	-24.21	-23.82	-23.67	-23.4	-22.29	-20.42	-17.14	-15.62
23-Apr-09	-23.86	-24.02	-24.25	-24.02	-24.06	-23.71	-23.52	-23.37	-22.29	-20.42	-17.17	-15.68
24-Apr-09	-23.56	-23.71	-24.02	-23.79	-23.83	-23.6	-23.45	-23.29	-22.26	-20.46	-17.21	-15.72
25-Apr-09	-23.26	-23.48	-23.79	-23.56	-23.67	-23.41	-23.29	-23.18	-22.22	-20.43	-17.24	-15.78
26-Apr-09	-22.96	-23.22	-23.52	-23.37	-23.49	-23.22	-23.15	-23.07	-22.15	-20.43	-17.27	-15.81
27-Apr-09	-22.63	-22.89	-23.26	-23.15	-23.3	-23.07	-23.07	-23	-22.08	-20.43	-17.31	-15.81
28-Apr-09	-22.31	-22.64	-23.01	-22.9	-23.12	-22.94	-22.9	-22.86	-22.06	-20.44	-17.32	-15.85
29-Apr-09	-21.94	-22.34	-22.75	-22.71	-22.89	-22.75	-22.75	-22.75	-21.94	-20.47	-17.37	-15.91
30-Apr-09	-21.55	-22.01	-22.45	-22.45	-22.71	-22.56	-22.6	-22.63	-21.87	-20.4	-17.4	-15.93
1-May-09	-21.23	-21.65	-22.19	-22.16	-22.48	-22.37	-22.41	-22.48	-21.8	-20.4	-17.46	-15.99
2-May-09	-20.89	-21.34	-21.88	-21.91	-22.24	-22.17	-22.31	-22.35	-21.73	-20.37	-17.44	-16
3-May-09	-20.58	-21.06	-21.59	-21.66	-21.98	-21.95	-22.09	-22.23	-21.62	-20.34	-17.5	-16.06
4-May-09	-20.31	-20.75	-21.38	-21.42	-21.77	-21.77	-21.92	-22.02	-21.52	-20.31	-17.47	-16.06
5-May-09	-20.06	-20.51	-21.09	-21.2	-21.52	-21.55	-21.73	-21.91	-21.45	-20.27	-17.53	-16.12
6-May-09	-19.79	-20.26	-20.85	-20.95	-21.34	-21.34	-21.55	-21.73	-21.3	-20.23	-17.56	-16.11
7-May-09	-19.59	-20.03	-20.64	-20.78	-21.13	-21.16	-21.38	-21.55	-21.2	-20.23	-17.53	-16.15
8-May-09	-19.43	-19.86	-20.47	-20.54	-20.92	-20.99	-21.2	-21.37	-21.09	-20.13	-17.56	-16.17
9-May-09	-19.26	-19.69	-20.23	-20.34	-20.71	-20.78	-21.02	-21.23	-20.99	-20.1	-17.56	-16.21
10-May-09	-19.1	-19.53	-20.06	-20.2	-20.54	-20.61	-20.89	-21.09	-20.89	-20.03	-17.59	-16.24
11-May-09	-19.01	-19.37	-19.9	-19.97	-20.34	-20.48	-20.68	-20.96	-20.72	-19.97	-17.6	-16.3
12-May-09	-18.84	-19.23	-19.77	-19.83	-20.17	-20.31	-20.54	-20.79	-20.61	-19.9	-17.6	-16.27

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL1

Bulb	TH1_1	TH1_2	TH1_3	TH1_4	TH1_5	TH1_6	TH1_7	TH1_8	TH1_9	TH1_10	TH1_11	TH1_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
13-May-09	-18.65	-19.11	-19.57	-19.67	-20.04	-20.11	-20.38	-20.65	-20.52	-19.84	-17.63	-16.31
14-May-09	-18.43	-18.88	-19.41	-19.51	-19.91	-19.97	-20.28	-20.48	-20.38	-19.81	-17.64	-16.31
15-May-09	-18.24	-18.65	-19.24	-19.34	-19.71	-19.81	-20.11	-20.41	-20.28	-19.71	-17.6	-16.34
16-May-09	-18.01	-18.46	-19.08	-19.18	-19.54	-19.67	-19.97	-20.24	-20.18	-19.64	-17.57	-16.37
17-May-09	-17.79	-18.27	-18.88	-19.04	-19.41	-19.51	-19.84	-20.08	-20.04	-19.57	-17.57	-16.37
18-May-09	-17.66	-18.14	-18.65	-18.81	-19.21	-19.34	-19.67	-19.97	-19.94	-19.5	-17.57	-16.43
19-May-09	-17.42	-17.93	-18.53	-18.66	-19.08	-19.22	-19.58	-19.85	-19.81	-19.48	-17.55	-16.41
20-May-09	-17.11	-17.71	-18.28	-18.47	-18.92	-19.02	-19.41	-19.68	-19.75	-19.38	-17.61	-16.44
21-May-09	-16.73	-17.37	-18.1	-18.29	-18.74	-18.9	-19.23	-19.52	-19.59	-19.26	-17.56	-16.42
22-May-09	-16.36	-17.03	-17.78	-18.06	-18.54	-18.73	-19.09	-19.39	-19.49	-19.19	-17.56	-16.45
23-May-09	-15.93	-16.68	-17.46	-17.77	-18.28	-18.53	-18.95	-19.25	-19.35	-19.15	-17.52	-16.44
24-May-09	-15.57	-16.35	-17.18	-17.52	-18.06	-18.31	-18.73	-19.09	-19.22	-19.06	-17.52	-16.44
25-May-09	-15.35	-16.1	-16.95	-17.29	-17.85	-18.07	-18.58	-18.94	-19.14	-19.01	-17.48	-16.46
26-May-09	-15	-15.83	-16.64	-17.04	-17.6	-17.92	-18.39	-18.78	-19.01	-18.91	-17.48	-16.49
27-May-09	-14.57	-15.45	-16.35	-16.77	-17.36	-17.7	-18.18	-18.59	-18.88	-18.85	-17.42	-16.47
28-May-09	-14.05	-15.01	-16.01	-16.47	-17.08	-17.45	-17.99	-18.4	-18.72	-18.75	-17.45	-16.47
29-May-09	-13.39	-14.57	-15.65	-16.16	-16.83	-17.23	-17.79	-18.2	-18.59	-18.65	-17.42	-16.46
30-May-09	-12.75	-13.99	-15.18	-15.81	-16.53	-16.96	-17.58	-18.02	-18.43	-18.59	-17.39	-16.44
31-May-09	-12.16	-13.45	-14.65	-15.39	-16.16	-16.68	-17.32	-17.79	-18.27	-18.49	-17.39	-16.46
1-Jun-09	-11.58	-12.92	-14.22	-14.98	-15.81	-16.32	-17.05	-17.55	-18.14	-18.4	-17.33	-16.47
2-Jun-09	-11.06	-12.41	-13.74	-14.54	-15.45	-16.05	-16.77	-17.33	-17.92	-18.27	-17.3	-16.47
3-Jun-09	-10.58	-11.95	-13.34	-14.14	-15.07	-15.72	-16.5	-17.08	-17.77	-18.18	-17.3	-16.47
4-Jun-09	-10.09	-11.5	-12.92	-13.76	-14.66	-15.39	-16.19	-16.77	-17.58	-18.11	-17.26	-16.47
5-Jun-09	-9.63	-11.04	-12.5	-13.37	-14.31	-15.07	-15.93	-16.5	-17.42	-18.02	-17.23	-16.44
6-Jun-09	-9.28	-10.66	-12.08	-13	-13.96	-14.72	-15.63	-16.26	-17.2	-17.89	-17.2	-16.44
7-Jun-09	-8.94	-10.28	-11.75	-12.64	-13.6	-14.43	-15.33	-16.02	-16.99	-17.77	-17.18	-16.44
8-Jun-09	-8.55	-9.94	-11.37	-12.31	-13.29	-14.12	-15.07	-15.75	-16.81	-17.68	-17.12	-16.41
9-Jun-09	-8.02	-9.51	-10.99	-11.95	-12.98	-13.8	-14.75	-15.52	-16.63	-17.52	-17.09	-16.41
10-Jun-09	-7.65	-9.11	-10.64	-11.62	-12.64	-13.52	-14.52	-15.25	-16.38	-17.37	-17.06	-16.41
11-Jun-09	-7.34	-8.8	-10.29	-11.3	-12.32	-13.19	-14.24	-14.99	-16.21	-17.28	-17.03	-16.39
12-Jun-09	-7.05	-8.48	-10	-11	-11.99	-12.93	-13.98	-14.73	-16	-17.16	-16.94	-16.36
13-Jun-09	-6.763	-8.21	-9.7	-10.7	-11.71	-12.65	-13.72	-14.5	-15.82	-17.03	-16.91	-16.36
14-Jun-09	-6.445	-7.87	-9.41	-10.43	-11.43	-12.4	-13.49	-14.24	-15.58	-16.88	-16.88	-16.33
15-Jun-09	-6.181	-7.6	-9.14	-10.16	-11.16	-12.15	-13.24	-14.03	-15.4	-16.72	-16.81	-16.33
16-Jun-09	-5.888	-7.33	-8.87	-9.88	-10.88	-11.87	-12.98	-13.77	-15.19	-16.63	-16.75	-16.29
17-Jun-09	-5.683	-7.1	-8.63	-9.64	-10.61	-11.62	-12.76	-13.55	-15.02	-16.48	-16.72	-16.27
18-Jun-09	-5.475	-6.889	-8.42	-9.4	-10.37	-11.4	-12.54	-13.32	-14.79	-16.3	-16.66	-16.24
19-Jun-09	-5.266	-6.679	-8.21	-9.19	-10.13	-11.19	-12.29	-13.13	-14.64	-16.21	-16.6	-16.21
20-Jun-09	-5.036	-6.449	-7.97	-8.96	-9.92	-10.97	-12.13	-12.91	-14.47	-16.06	-16.54	-16.18
21-Jun-09	-4.801	-6.239	-7.76	-8.77	-9.68	-10.76	-11.9	-12.71	-14.27	-15.91	-16.48	-16.18
22-Jun-09	-4.593	-6.03	-7.55	-8.56	-9.46	-10.54	-11.71	-12.51	-14.1	-15.79	-16.42	-16.15
23-Jun-09	-4.358	-5.82	-7.32	-8.34	-9.25	-10.35	-11.52	-12.32	-13.92	-15.64	-16.36	-16.12
24-Jun-09	-4.202	-5.637	-7.16	-8.13	-9.04	-10.16	-11.33	-12.13	-13.75	-15.49	-16.3	-16.09
25-Jun-09	-4.045	-5.428	-6.973	-7.95	-8.82	-9.97	-11.14	-11.93	-13.55	-15.38	-16.24	-16.06
26-Jun-09	-3.874	-5.282	-6.8	-7.77	-8.62	-9.77	-10.93	-11.75	-13.42	-15.24	-16.16	-16.01
27-Jun-09	-3.639	-5.099	-6.59	-7.59	-8.43	-9.58	-10.76	-11.58	-13.25	-15.09	-16.1	-15.98
28-Jun-09	-3.421	-4.881	-6.423	-7.4	-8.24	-9.41	-10.57	-11.38	-13.07	-14.97	-16	-15.94
29-Jun-09	-3.232	-4.717	-6.232	-7.23	-8.07	-9.24	-10.42	-11.21	-12.89	-14.83	-15.99	-15.93
30-Jun-09	-3.003	-4.489	-6.056	-7.03	-7.87	-9.06	-10.24	-11.03	-12.74	-14.7	-15.91	-15.88
1-Jul-09	-2.684	-4.248	-5.841	-6.863	-7.68	-8.87	-10.05	-10.86	-12.57	-14.58	-15.85	-15.82
2-Jul-09	-2.4	-4.042	-5.635	-6.656	-7.5	-8.71	-9.89	-10.7	-12.43	-14.44	-15.76	-15.79
3-Jul-09	-2.272	-3.863	-5.454	-6.475	-7.32	-8.56	-9.7	-10.51	-12.29	-14.3	-15.7	-15.76
4-Jul-09	-2.317	-3.777	-5.317	-6.311	-7.15	-8.39	-9.56	-10.37	-12.15	-14.18	-15.64	-15.73
5-Jul-09	-2.287	-3.695	-5.209	-6.176	-6.99	-8.23	-9.4	-10.18	-11.98	-14.06	-15.58	-15.66
6-Jul-09	-2.236	-3.592	-5.105	-6.047	-6.833	-8.07	-9.24	-10.04	-11.81	-13.95	-15.49	-15.64
7-Jul-09	-2.194	-3.524	-4.984	-5.925	-6.684	-7.95	-9.09	-9.89	-11.71	-13.81	-15.44	-15.61
8-Jul-09	-2.168	-3.472	-4.906	-5.82	-6.553	-7.82	-8.96	-9.7	-11.55	-13.72	-15.35	-15.55
9-Jul-09	-2.125	-3.377	-4.786	-5.726	-6.46	-7.67	-8.84	-9.58	-11.42	-13.57	-15.28	-15.51
10-Jul-09	-2.078	-3.33	-4.739	-5.627	-6.334	-7.54	-8.71	-9.45	-11.29	-13.46	-15.22	-15.49
11-Jul-09	-2.048	-3.274	-4.629	-5.516	-6.222	-7.46	-8.57	-9.31	-11.14	-13.36	-15.15	-15.44
12-Jul-09	-2	-3.226	-4.582	-5.444	-6.124	-7.33	-8.47	-9.19	-11.02	-13.23	-15.07	-15.37
13-Jul-09	-2	-3.148	-4.504	-5.339	-6.046	-7.23	-8.34	-9.08	-10.91	-13.12	-14.99	-15.34
14-Jul-09	-1.971	-3.118	-4.447	-5.282	-5.935	-7.11	-8.25	-8.96	-10.76	-13.03	-14.94	-15.3
15-Jul-09	-1.945	-3.092	-4.395	-5.204	-5.857	-7.04	-8.14	-8.86	-10.68	-12.89	-14.86	-15.27
16-Jul-09	-1.919	-3.04	-4.343	-5.125	-5.778	-6.931	-8.04	-8.75	-10.57	-12.8	-14.8	-15.21
17-Jul-09	-1.829	-2.95	-4.254	-5.036	-5.69	-6.842	-7.92	-8.64	-10.43	-12.71	-14.73	-15.17

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL1

Bulb	TH1_1	TH1_2	TH1_3	TH1_4	TH1_5	TH1_6	TH1_7	TH1_8	TH1_9	TH1_10	TH1_11	TH1_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
18-Jul-09	-1.776	-2.898	-4.202	-4.984	-5.637	-6.763	-7.84	-8.53	-10.32	-12.6	-14.64	-15.11
19-Jul-09	-1.736	-2.857	-4.108	-4.89	-5.543	-6.668	-7.75	-8.43	-10.22	-12.49	-14.59	-15.09
20-Jul-09	-1.71	-2.779	-4.056	-4.838	-5.465	-6.59	-7.67	-8.33	-10.14	-12.38	-14.51	-15.03
21-Jul-09	-1.653	-2.723	-4	-4.756	-5.382	-6.507	-7.56	-8.24	-10.03	-12.27	-14.45	-14.97
22-Jul-09	-1.588	-2.684	-3.936	-4.692	-5.319	-6.417	-7.47	-8.13	-9.91	-12.2	-14.38	-14.93
23-Jul-09	-1.541	-2.637	-3.889	-4.619	-5.245	-6.344	-7.37	-8.03	-9.81	-12.1	-14.33	-14.88
24-Jul-09	-1.524	-2.593	-3.792	-4.548	-5.148	-6.272	-7.3	-7.95	-9.71	-11.99	-14.25	-14.82
25-Jul-09	-1.501	-2.544	-3.769	-4.499	-5.099	-6.197	-7.22	-7.88	-9.63	-11.91	-14.16	-14.8
26-Jul-09	-1.451	-2.494	-3.719	-4.423	-5.049	-6.12	-7.14	-7.77	-9.55	-11.8	-14.11	-14.74
27-Jul-09	-1.411	-2.455	-3.654	-4.384	-4.958	-6.056	-7.05	-7.68	-9.44	-11.71	-14.04	-14.67
28-Jul-09	-1.347	-2.417	-3.617	-4.295	-4.922	-5.993	-6.99	-7.62	-9.37	-11.65	-13.97	-14.64
29-Jul-09	-1.321	-2.365	-3.565	-4.243	-4.843	-5.915	-6.911	-7.54	-9.29	-11.54	-13.92	-14.58
30-Jul-09	-1.295	-2.313	-3.513	-4.191	-4.765	-5.836	-6.832	-7.46	-9.21	-11.48	-13.86	-14.55
31-Jul-09	-1.28	-2.272	-3.472	-4.15	-4.723	-5.794	-6.763	-7.37	-9.12	-11.41	-13.78	-14.5
1-Aug-09	-1.257	-2.249	-3.422	-4.1	-4.647	-5.744	-6.687	-7.32	-9.04	-11.3	-13.73	-14.44
2-Aug-09	-1.253	-2.22	-3.393	-4.045	-4.618	-5.663	-6.632	-7.21	-8.96	-11.24	-13.67	-14.41
3-Aug-09	-1.214	-2.179	-3.352	-4.004	-4.577	-5.595	-6.563	-7.14	-8.89	-11.17	-13.62	-14.36
4-Aug-09	-1.214	-2.153	-3.3	-3.952	-4.525	-5.543	-6.511	-7.09	-8.83	-11.06	-13.53	-14.31
5-Aug-09	-1.187	-2.127	-3.274	-3.899	-4.447	-5.49	-6.458	-7.04	-8.75	-11.01	-13.48	-14.28
6-Aug-09	-1.149	-2.09	-3.237	-3.863	-4.384	-5.428	-6.37	-6.947	-8.66	-10.95	-13.41	-14.21
7-Aug-09	-1.123	-2.064	-3.211	-3.811	-4.358	-5.376	-6.318	-6.895	-8.61	-10.86	-13.36	-14.18
8-Aug-09	-1.071	-2.037	-3.159	-3.785	-4.306	-5.324	-6.265	-6.816	-8.53	-10.78	-13.3	-14.12
9-Aug-09	-1.045	-2.011	-3.133	-3.732	-4.254	-5.271	-6.213	-6.737	-8.45	-10.73	-13.24	-14.07
10-Aug-09	-1.045	-1.959	-3.081	-3.706	-4.202	-5.219	-6.134	-6.685	-8.4	-10.65	-13.19	-14.01
11-Aug-09	-1.016	-1.93	-3.052	-3.652	-4.147	-5.165	-6.079	-6.63	-8.34	-10.54	-13.13	-13.98
12-Aug-09	-0.98	-1.895	-3.017	-3.591	-4.112	-5.13	-6.019	-6.569	-8.26	-10.5	-13.06	-13.94
13-Aug-09	-0.97	-1.859	-2.982	-3.555	-4.077	-5.069	-5.958	-6.482	-8.19	-10.44	-13.03	-13.88
14-Aug-09	-0.959	-1.847	-2.943	-3.517	-4.012	-5.03	-5.892	-6.442	-8.13	-10.37	-12.96	-13.83
15-Aug-09	-0.955	-1.817	-2.913	-3.487	-3.956	-4.974	-5.836	-6.386	-8.07	-10.31	-12.9	-13.8
16-Aug-09	-0.961	-1.798	-2.867	-3.441	-3.936	-4.928	-5.816	-6.313	-8	-10.24	-12.85	-13.75
17-Aug-09	-0.955	-1.791	-2.835	-3.409	-3.878	-4.869	-5.758	-6.255	-7.94	-10.18	-12.78	-13.72
18-Aug-09	-0.958	-1.769	-2.812	-3.36	-3.855	-4.82	-5.709	-6.18	-7.89	-10.13	-12.73	-13.66
19-Aug-09	-0.955	-1.739	-2.809	-3.33	-3.826	-4.791	-5.653	-6.176	-7.83	-10.04	-12.7	-13.63
20-Aug-09	-0.928	-1.739	-2.783	-3.304	-3.774	-4.765	-5.601	-6.124	-7.78	-9.96	-12.64	-13.55
21-Aug-09	-0.943	-1.701	-2.745	-3.267	-3.737	-4.702	-5.564	-6.062	-7.72	-9.93	-12.58	-13.54
22-Aug-09	-0.943	-1.701	-2.719	-3.241	-3.711	-4.65	-5.512	-6.009	-7.64	-9.85	-12.52	-13.48
23-Aug-09	-0.936	-1.668	-2.687	-3.208	-3.652	-4.644	-5.48	-5.951	-7.61	-9.81	-12.46	-13.45
24-Aug-09	-0.969	-1.649	-2.693	-3.189	-3.632	-4.598	-5.434	-5.904	-7.53	-9.77	-12.44	-13.4
25-Aug-09	-0.981	-1.66	-2.652	-3.148	-3.591	-4.556	-5.392	-5.862	-7.49	-9.72	-12.39	-13.35
26-Aug-09	-0.985	-1.665	-2.656	-3.126	-3.569	-4.508	-5.343	-5.814	-7.44	-9.64	-12.34	-13.32
27-Aug-09	-0.994	-1.647	-2.639	-3.134	-3.525	-4.49	-5.325	-5.769	-7.4	-9.6	-12.29	-13.3
28-Aug-09	-0.993	-1.646	-2.637	-3.107	-3.524	-4.462	-5.271	-5.716	-7.34	-9.54	-12.24	-13.24
29-Aug-09	-0.954	-1.634	-2.6	-3.069	-3.487	-4.426	-5.235	-5.679	-7.31	-9.51	-12.2	-13.21
30-Aug-09	-0.981	-1.634	-2.6	-3.07	-3.435	-4.4	-5.209	-5.653	-7.25	-9.45	-12.14	-13.15
31-Aug-09	-0.954	-1.633	-2.573	-3.016	-3.434	-4.373	-5.182	-5.626	-7.23	-9.37	-12.09	-13.12
1-Sep-09	-0.955	-1.608	-2.548	-3.017	-3.409	-4.347	-5.13	-5.575	-7.15	-9.35	-12.06	-13.09
2-Sep-09	-0.952	-1.605	-2.545	-2.989	-3.406	-4.293	-5.102	-5.52	-7.12	-9.29	-12	-13.04
3-Sep-09	-0.98	-1.607	-2.547	-2.964	-3.382	-4.268	-5.077	-5.495	-7.07	-9.24	-11.95	-13.01
4-Sep-09	-0.969	-1.596	-2.51	-2.954	-3.319	-4.258	-5.042	-5.434	-7.03	-9.2	-11.91	-12.94
5-Sep-09	-0.961	-1.563	-2.503	-2.92	-3.312	-4.225	-5.008	-5.401	-6.973	-9.14	-11.85	-12.91
6-Sep-09	-0.957	-1.559	-2.499	-2.917	-3.282	-4.195	-4.953	-5.371	-6.944	-9.09	-11.82	-12.88
7-Sep-09	-0.938	-1.539	-2.48	-2.897	-3.263	-4.176	-4.933	-5.325	-6.897	-9.04	-11.77	-12.83
8-Sep-09	-0.983	-1.559	-2.473	-2.891	-3.256	-4.143	-4.9	-5.266	-6.865	-9.01	-11.71	-12.8
9-Sep-09	-0.983	-1.559	-2.447	-2.865	-3.23	-4.117	-4.874	-5.266	-6.812	-8.95	-11.69	-12.74
10-Sep-09	-1.009	-1.559	-2.447	-2.865	-3.178	-4.091	-4.848	-5.24	-6.786	-8.87	-11.63	-12.68
11-Sep-09	-0.997	-1.547	-2.435	-2.827	-3.193	-4.054	-4.838	-5.177	-6.723	-8.84	-11.62	-12.68
12-Sep-09	-1.024	-1.547	-2.409	-2.801	-3.167	-4.054	-4.759	-5.177	-6.697	-8.81	-11.57	-12.65
13-Sep-09	-1.03	-1.553	-2.389	-2.807	-3.146	-4.034	-4.765	-5.157	-6.676	-8.76	-11.52	-12.6
14-Sep-09	-1.062	-1.532	-2.421	-2.786	-3.152	-4.013	-4.744	-5.109	-6.655	-8.71	-11.49	-12.57
15-Sep-09	-1.07	-1.567	-2.403	-2.768	-3.107	-3.994	-4.725	-5.091	-6.609	-8.69	-11.44	-12.55
16-Sep-09	-1.088	-1.559	-2.421	-2.76	-3.099	-3.961	-4.691	-5.057	-6.55	-8.66	-11.41	-12.46
17-Sep-09	-1.114	-1.532	-2.395	-2.76	-3.047	-3.961	-4.665	-5.031	-6.523	-8.61	-11.36	-12.46
18-Sep-09	-1.143	-1.535	-2.398	-2.738	-3.077	-3.939	-4.644	-4.984	-6.477	-8.59	-11.34	-12.39
19-Sep-09	-1.143	-1.535	-2.372	-2.764	-3.051	-3.913	-4.644	-4.984	-6.477	-8.54	-11.28	-12.39
20-Sep-09	-1.195	-1.587	-2.398	-2.738	-3.051	-3.86	-4.618	-4.958	-6.451	-8.46	-11.26	-12.36
21-Sep-09	-1.419	-1.576	-2.36	-2.726	-3.04	-3.876	-4.581	-4.921	-6.388	-8.47	-11.22	-12.32

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL1

Bulb	TH1_1	TH1_2	TH1_3	TH1_4	TH1_5	TH1_6	TH1_7	TH1_8	TH1_9	TH1_10	TH1_11	TH1_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
22-Sep-09	-1.837	-1.653	-2.386	-2.699	-2.987	-3.849	-4.554	-4.894	-6.387	-8.42	-11.16	-12.24
23-Sep-09	-1.797	-1.666	-2.398	-2.738	-2.999	-3.86	-4.54	-4.879	-6.346	-8.4	-11.12	-12.25
24-Sep-09	-1.958	-1.749	-2.428	-2.742	-3.003	-3.839	-4.544	-4.831	-6.323	-8.35	-11.1	-12.22
25-Sep-09	-2.032	-1.875	-2.476	-2.738	-2.999	-3.808	-4.54	-4.853	-6.293	-8.3	-11.06	-12.19
26-Sep-09	-2.415	-2.049	-2.571	-2.78	-3.016	-3.851	-4.505	-4.792	-6.259	-8.29	-11	-12.16
27-Sep-09	-2.68	-2.262	-2.706	-2.81	-3.045	-3.829	-4.482	-4.796	-6.236	-8.24	-10.98	-12.11
28-Sep-09	-2.842	-2.476	-2.842	-2.92	-3.077	-3.886	-4.513	-4.801	-6.214	-8.22	-10.96	-12.05
29-Sep-09	-3.051	-2.737	-3.051	-2.999	-3.181	-3.886	-4.539	-4.775	-6.188	-8.19	-10.93	-12.03
30-Sep-09	-3.265	-2.978	-3.187	-3.187	-3.265	-3.97	-4.545	-4.806	-6.167	-8.14	-10.88	-12.03
1-Oct-09	-3.454	-3.167	-3.401	-3.323	-3.375	-4.028	-4.602	-4.811	-6.172	-8.12	-10.86	-11.98
2-Oct-09	-3.558	-3.323	-3.584	-3.48	-3.48	-4.106	-4.655	-4.838	-6.146	-8.07	-10.83	-11.95
3-Oct-09	-3.62	-3.411	-3.725	-3.594	-3.594	-4.169	-4.691	-4.848	-6.157	-8.03	-10.79	-11.91
4-Oct-09	-3.928	-3.562	-3.823	-3.719	-3.719	-4.268	-4.738	-4.921	-6.126	-8.02	-10.76	-11.88
5-Oct-09	-4.111	-3.797	-4.006	-3.823	-3.823	-4.346	-4.816	-4.947	-6.152	-8.02	-10.73	-11.82
6-Oct-09	-4.378	-3.986	-4.169	-3.986	-3.908	-4.456	-4.901	-5.005	-6.184	-7.97	-10.71	-11.83
7-Oct-09	-4.566	-4.226	-4.331	-4.122	-4.043	-4.54	-4.958	-5.062	-6.188	-7.95	-10.63	-11.78
8-Oct-09	-4.821	-4.351	-4.481	-4.22	-4.141	-4.612	-5.005	-5.083	-6.184	-7.9	-10.63	-11.75
9-Oct-09	-5.083	-4.507	-4.638	-4.376	-4.272	-4.69	-5.083	-5.135	-6.236	-7.9	-10.6	-11.72
10-Oct-09	-5.397	-4.691	-4.795	-4.534	-4.403	-4.795	-5.162	-5.214	-6.21	-7.87	-10.55	-11.7
11-Oct-09	-5.686	-4.926	-4.952	-4.664	-4.507	-4.9	-5.24	-5.293	-6.237	-7.87	-10.52	-11.67
12-Oct-09	-6.148	-5.151	-5.125	-4.785	-4.628	-4.994	-5.334	-5.334	-6.279	-7.89	-10.51	-11.63
13-Oct-09	-5.993	-5.39	-5.338	-4.972	-4.788	-5.155	-5.416	-5.416	-6.334	-7.89	-10.48	-11.57
14-Oct-09	-6.11	-5.534	-5.507	-5.141	-4.931	-5.219	-5.507	-5.507	-6.373	-7.88	-10.44	-11.56
15-Oct-09	-6.325	-5.722	-5.696	-5.329	-5.067	-5.355	-5.643	-5.591	-6.378	-7.85	-10.42	-11.57
16-Oct-09	-6.368	-5.895	-5.869	-5.45	-5.214	-5.476	-5.712	-5.633	-6.42	-7.84	-10.39	-11.53
17-Oct-09	-6.527	-6.027	-6.001	-5.581	-5.319	-5.607	-5.843	-5.712	-6.448	-7.87	-10.39	-11.48
18-Oct-09	-6.779	-6.2	-6.174	-5.728	-5.465	-5.728	-5.911	-5.806	-6.515	-7.89	-10.32	-11.47
19-Oct-09	-7.09	-6.463	-6.384	-5.885	-5.597	-5.833	-6.016	-5.938	-6.594	-7.83	-10.3	-11.44
20-Oct-09	-7.37	-6.71	-6.552	-6.079	-5.764	-5.948	-6.158	-5.974	-6.631	-7.87	-10.33	-11.42
21-Oct-09	-7.54	-6.902	-6.796	-6.244	-5.955	-6.112	-6.27	-6.086	-6.717	-7.85	-10.29	-11.38
22-Oct-09	-7.75	-7.09	-6.959	-6.407	-6.091	-6.223	-6.354	-6.17	-6.749	-7.88	-10.26	-11.38
23-Oct-09	-8	-7.31	-7.15	-6.601	-6.259	-6.364	-6.469	-6.285	-6.811	-7.89	-10.22	-11.37
24-Oct-09	-8.3	-7.58	-7.34	-6.79	-6.421	-6.5	-6.606	-6.395	-6.895	-7.93	-10.25	-11.32
25-Oct-09	-8.62	-7.82	-7.58	-6.974	-6.579	-6.685	-6.711	-6.527	-6.974	-7.93	-10.2	-11.32
26-Oct-09	-8.92	-8.14	-7.8	-7.16	-6.769	-6.821	-6.848	-6.584	-7.03	-7.96	-10.2	-11.27
27-Oct-09	-9.16	-8.36	-8.06	-7.38	-6.953	-6.979	-7.01	-6.716	-7.08	-7.98	-10.18	-11.27
28-Oct-09	-9.4	-8.59	-8.28	-7.59	-7.14	-7.16	-7.14	-6.847	-7.19	-8.01	-10.15	-11.24
29-Oct-09	-9.57	-8.8	-8.48	-7.79	-7.36	-7.31	-7.28	-6.993	-7.23	-8.05	-10.17	-11.2
30-Oct-09	-9.81	-9.01	-8.69	-7.97	-7.52	-7.47	-7.44	-7.12	-7.33	-8.08	-10.14	-11.2
31-Oct-09	-10.09	-9.25	-8.9	-8.21	-7.73	-7.63	-7.6	-7.26	-7.42	-8.11	-10.11	-11.17
1-Nov-09	-10.38	-9.52	-9.11	-8.39	-7.89	-7.81	-7.7	-7.36	-7.49	-8.16	-10.11	-11.14
2-Nov-09	-10.77	-9.82	-9.42	-8.59	-8.08	-7.95	-7.9	-7.53	-7.61	-8.19	-10.09	-11.13
3-Nov-09	-11.26	-10.17	-9.66	-8.83	-8.3	-8.14	-8	-7.63	-7.68	-8.22	-10.09	-11.13
4-Nov-09	-11.82	-10.64	-10.02	-9.11	-8.52	-8.36	-8.17	-7.75	-7.8	-8.28	-10.1	-11.11
5-Nov-09	-12.18	-11.05	-10.39	-9.42	-8.78	-8.54	-8.35	-7.93	-7.93	-8.3	-10.1	-11.08
6-Nov-09	-12.58	-11.44	-10.78	-9.75	-9.06	-8.79	-8.55	-8.07	-7.99	-8.36	-10.08	-11.06
7-Nov-09	-12.87	-11.73	-11.07	-10.04	-9.31	-9.02	-8.75	-8.25	-8.11	-8.43	-10.09	-11.05
8-Nov-09	-13.04	-11.97	-11.34	-10.33	-9.6	-9.28	-8.96	-8.43	-8.24	-8.48	-10.09	-11.04
9-Nov-09	-13.25	-12.12	-11.54	-10.56	-9.83	-9.48	-9.15	-8.59	-8.35	-8.54	-10.1	-11.02
10-Nov-09	-13.45	-12.27	-11.66	-10.75	-10.05	-9.7	-9.35	-8.81	-8.49	-8.57	-10.1	-11.02
11-Nov-09	-13.74	-12.5	-11.86	-10.98	-10.27	-9.89	-9.54	-9.01	-8.61	-8.63	-10.08	-11.03
12-Nov-09	-13.87	-12.79	-12.15	-11.18	-10.48	-10.1	-9.75	-9.13	-8.75	-8.7	-10.1	-10.99
13-Nov-09	-13.87	-12.94	-12.35	-11.38	-10.7	-10.26	-9.94	-9.32	-8.87	-8.81	-10.1	-10.97
14-Nov-09	-13.74	-12.97	-12.46	-11.55	-10.87	-10.46	-10.08	-9.49	-9.03	-8.87	-10.11	-10.95
15-Nov-09	-13.6	-12.92	-12.52	-11.64	-11.01	-10.6	-10.25	-9.68	-9.17	-8.96	-10.14	-10.95
16-Nov-09	-13.35	-12.79	-12.48	-11.7	-11.1	-10.74	-10.39	-9.8	-9.29	-9.02	-10.15	-10.93
17-Nov-09	-13.09	-12.64	-12.41	-11.72	-11.17	-10.87	-10.52	-9.92	-9.38	-9.09	-10.14	-10.95
18-Nov-09	-12.84	-12.45	-12.31	-11.68	-11.21	-10.91	-10.61	-10.04	-9.53	-9.21	-10.15	-10.93
19-Nov-09	-12.83	-12.38	-12.24	-11.63	-11.22	-10.97	-10.73	-10.15	-9.64	-9.24	-10.15	-10.92
20-Nov-09	-13.1	-12.48	-12.26	-11.62	-11.21	-10.99	-10.74	-10.23	-9.74	-9.34	-10.17	-10.96
21-Nov-09	-13.53	-12.71	-12.41	-11.71	-11.27	-11.03	-10.81	-10.29	-9.83	-9.4	-10.18	-10.92
22-Nov-09	-13.91	-13.03	-12.61	-11.83	-11.36	-11.12	-10.87	-10.38	-9.92	-9.52	-10.22	-10.95
23-Nov-09	-14.18	-13.26	-12.81	-12	-11.48	-11.2	-10.96	-10.47	-10.01	-9.57	-10.25	-10.93
24-Nov-09	-14.28	-13.47	-12.99	-12.18	-11.63	-11.33	-11.05	-10.53	-10.1	-9.64	-10.26	-10.94
25-Nov-09	-14.24	-13.56	-13.13	-12.32	-11.76	-11.46	-11.16	-10.64	-10.18	-9.72	-10.29	-10.94
26-Nov-09	-14.19	-13.53	-13.19	-12.43	-11.87	-11.57	-11.32	-10.75	-10.29	-9.77	-10.31	-10.97

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL1

Bulb	TH1_1	TH1_2	TH1_3	TH1_4	TH1_5	TH1_6	TH1_7	TH1_8	TH1_9	TH1_10	TH1_11	TH1_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
27-Nov-09	-14.13	-13.56	-13.28	-12.52	-11.99	-11.66	-11.38	-10.86	-10.37	-9.83	-10.35	-10.97
28-Nov-09	-14.07	-13.5	-13.3	-12.54	-12.07	-11.76	-11.49	-10.99	-10.45	-9.91	-10.37	-10.94
29-Nov-09	-13.98	-13.47	-13.27	-12.62	-12.15	-11.87	-11.56	-11.04	-10.55	-10.01	-10.36	-10.93
30-Nov-09	-13.99	-13.45	-13.28	-12.6	-12.16	-11.91	-11.66	-11.13	-10.62	-10.07	-10.4	-10.94
1-Dec-09	-14.17	-13.54	-13.32	-12.64	-12.19	-11.97	-11.72	-11.2	-10.71	-10.14	-10.46	-10.98
2-Dec-09	-14.41	-13.72	-13.41	-12.73	-12.25	-12.03	-11.81	-11.29	-10.79	-10.22	-10.44	-10.96
3-Dec-09	-14.56	-13.84	-13.58	-12.82	-12.37	-12.09	-11.84	-11.37	-10.91	-10.25	-10.5	-10.99
4-Dec-09	-14.6	-13.96	-13.65	-12.94	-12.44	-12.21	-11.96	-11.44	-10.95	-10.35	-10.51	-10.97
5-Dec-09	-14.52	-13.97	-13.71	-13	-12.52	-12.27	-12.02	-11.52	-11.03	-10.4	-10.54	-10.98
6-Dec-09	-14.53	-13.95	-13.72	-13.07	-12.62	-12.34	-12.09	-11.59	-11.12	-10.47	-10.58	-10.99
7-Dec-09	-14.87	-14.11	-13.82	-13.11	-12.66	-12.41	-12.16	-11.66	-11.16	-10.53	-10.59	-11.03
8-Dec-09	-15.33	-14.42	-14.02	-13.24	-12.76	-12.48	-12.23	-11.76	-11.24	-10.61	-10.63	-11.02
9-Dec-09	-15.94	-14.84	-14.28	-13.42	-12.89	-12.58	-12.32	-11.82	-11.33	-10.67	-10.64	-11.03
10-Dec-09	-16.49	-15.29	-14.64	-13.66	-13.06	-12.72	-12.44	-11.91	-11.38	-10.73	-10.7	-11.03
11-Dec-09	-17.11	-15.77	-15	-13.95	-13.29	-12.9	-12.56	-12.03	-11.48	-10.79	-10.71	-11.06
12-Dec-09	-17.75	-16.29	-15.42	-14.28	-13.56	-13.07	-12.71	-12.15	-11.57	-10.83	-10.74	-11.07
13-Dec-09	-18.19	-16.75	-15.84	-14.63	-13.84	-13.33	-12.88	-12.32	-11.65	-10.91	-10.77	-11.07
14-Dec-09	-18.57	-17.12	-16.23	-14.98	-14.13	-13.59	-13.13	-12.49	-11.76	-10.97	-10.8	-11.13
15-Dec-09	-18.58	-17.37	-16.51	-15.28	-14.43	-13.82	-13.31	-12.63	-11.91	-11.03	-10.83	-11.11
16-Dec-09	-18.48	-17.4	-16.72	-15.51	-14.69	-14.08	-13.53	-12.82	-11.99	-11.1	-10.86	-11.1
17-Dec-09	-18.32	-17.37	-16.75	-15.69	-14.89	-14.31	-13.71	-13.02	-12.16	-11.19	-10.89	-11.13
18-Dec-09	-18.21	-17.36	-16.8	-15.77	-15	-14.41	-13.89	-13.21	-12.25	-11.26	-10.93	-11.15
19-Dec-09	-18.17	-17.32	-16.85	-15.82	-15.14	-14.58	-14.06	-13.35	-12.39	-11.34	-10.96	-11.18
20-Dec-09	-18.02	-17.29	-16.83	-15.89	-15.26	-14.7	-14.18	-13.49	-12.54	-11.43	-10.99	-11.18
21-Dec-09	-17.83	-17.17	-16.8	-15.92	-15.29	-14.79	-14.29	-13.6	-12.64	-11.5	-11.04	-11.2
22-Dec-09	-17.79	-17.1	-16.76	-15.94	-15.34	-14.84	-14.4	-13.74	-12.77	-11.58	-11.05	-11.22
23-Dec-09	-17.96	-17.17	-16.77	-15.95	-15.38	-14.91	-14.47	-13.84	-12.87	-11.67	-11.1	-11.23
24-Dec-09	-18.16	-17.31	-16.87	-16.02	-15.42	-14.98	-14.54	-13.93	-12.99	-11.76	-11.13	-11.26
25-Dec-09	-18.51	-17.52	-17.03	-16.08	-15.51	-15.07	-14.63	-13.99	-13.08	-11.88	-11.16	-11.27
26-Dec-09	-18.64	-17.75	-17.16	-16.27	-15.61	-15.13	-14.69	-14.08	-13.2	-11.97	-11.22	-11.28
27-Dec-09	-18.66	-17.83	-17.32	-16.37	-15.74	-15.23	-14.82	-14.18	-13.26	-12	-11.23	-11.31
28-Dec-09	-18.7	-17.86	-17.39	-16.47	-15.86	-15.38	-14.91	-14.3	-13.35	-12.09	-11.26	-11.34
29-Dec-09	-18.87	-17.97	-17.5	-16.57	-15.93	-15.45	-15.01	-14.39	-13.44	-12.18	-11.32	-11.35
30-Dec-09	-19.17	-18.16	-17.62	-16.69	-16.05	-15.54	-15.1	-14.48	-13.53	-12.26	-11.37	-11.37
31-Dec-09	-19.51	-18.43	-17.83	-16.83	-16.18	-15.67	-15.2	-14.58	-13.63	-12.33	-11.38	-11.41
1-Jan-10	-19.97	-18.78	-18.04	-17	-16.33	-15.78	-15.31	-14.69	-13.73	-12.4	-11.46	-11.41
2-Jan-10	-20.38	-19.14	-18.36	-17.25	-16.51	-15.94	-15.46	-14.81	-13.82	-12.49	-11.49	-11.46
3-Jan-10	-20.5	-19.35	-18.6	-17.46	-16.71	-16.13	-15.59	-14.91	-13.9	-12.57	-11.54	-11.46
4-Jan-10	-20.54	-19.49	-18.8	-17.64	-16.93	-16.28	-15.74	-15.06	-14.01	-12.64	-11.56	-11.48
5-Jan-10	-20.69	-19.6	-18.91	-17.81	-17.09	-16.45	-15.9	-15.22	-14.14	-12.71	-11.63	-11.52
6-Jan-10	-20.91	-19.82	-19.08	-17.98	-17.26	-16.58	-16.03	-15.35	-14.23	-12.8	-11.66	-11.55
7-Jan-10	-21.19	-20.02	-19.28	-18.14	-17.42	-16.76	-16.18	-15.49	-14.35	-12.86	-11.69	-11.58
8-Jan-10	-21.58	-20.33	-19.55	-18.37	-17.61	-16.92	-16.34	-15.61	-14.46	-12.97	-11.74	-11.58
9-Jan-10	-21.9	-20.63	-19.78	-18.56	-17.76	-17.07	-16.49	-15.76	-14.58	-13.03	-11.8	-11.63
10-Jan-10	-22.23	-20.91	-20.02	-18.83	-17.99	-17.26	-16.64	-15.92	-14.7	-13.12	-11.83	-11.64
11-Jan-10	-22.53	-21.2	-20.3	-19.06	-18.19	-17.43	-16.81	-16.08	-14.83	-13.21	-11.89	-11.67
12-Jan-10	-22.79	-21.45	-20.54	-19.26	-18.44	-17.64	-16.99	-16.22	-14.94	-13.29	-11.92	-11.7
13-Jan-10	-22.93	-21.65	-20.77	-19.51	-18.66	-17.86	-17.17	-16.4	-15.08	-13.37	-11.96	-11.72
14-Jan-10	-23.15	-21.86	-20.94	-19.67	-18.85	-18.01	-17.35	-16.54	-15.19	-13.48	-12.01	-11.73
15-Jan-10	-23.36	-22.07	-21.18	-19.9	-19.04	-18.2	-17.5	-16.72	-15.34	-13.56	-12.04	-11.76
16-Jan-10	-23.5	-22.24	-21.38	-20.09	-19.22	-18.38	-17.68	-16.9	-15.47	-13.64	-12.11	-11.83
17-Jan-10	-23.46	-22.31	-21.48	-20.26	-19.39	-18.57	-17.86	-17.05	-15.59	-13.77	-12.16	-11.86
18-Jan-10	-23.6	-22.44	-21.6	-20.38	-19.54	-18.74	-18	-17.22	-15.75	-13.84	-12.2	-11.89
19-Jan-10	-23.87	-22.62	-21.75	-20.55	-19.7	-18.88	-18.16	-17.37	-15.87	-13.96	-12.26	-11.89
20-Jan-10	-24.19	-22.86	-21.98	-20.71	-19.89	-19.02	-18.31	-17.52	-16.01	-14.06	-12.33	-11.94
21-Jan-10	-24.38	-23.08	-22.19	-20.91	-20.05	-19.19	-18.47	-17.64	-16.16	-14.15	-12.36	-11.97
22-Jan-10	-24.51	-23.27	-22.38	-21.09	-20.26	-19.36	-18.64	-17.83	-16.28	-14.24	-12.42	-12
23-Jan-10	-24.6	-23.4	-22.54	-21.28	-20.41	-19.57	-18.78	-17.97	-16.39	-14.34	-12.46	-12.04
24-Jan-10	-24.59	-23.47	-22.65	-21.42	-20.58	-19.7	-18.94	-18.13	-16.54	-14.45	-12.51	-12.07
25-Jan-10	-24.52	-23.47	-22.76	-21.53	-20.72	-19.83	-19.1	-18.26	-16.69	-14.57	-12.57	-12.1
26-Jan-10	-24.45	-23.49	-22.81	-21.61	-20.84	-19.98	-19.21	-18.43	-16.8	-14.64	-12.64	-12.14
27-Jan-10	-24.26	-23.41	-22.77	-21.68	-20.91	-20.08	-19.35	-18.56	-16.92	-14.79	-12.7	-12.17
28-Jan-10	-24.09	-23.28	-22.72	-21.67	-21	-20.17	-19.46	-18.68	-17.06	-14.89	-12.76	-12.2
29-Jan-10	-24.08	-23.24	-22.71	-21.66	-21.02	-20.23	-19.56	-18.8	-17.17	-14.97	-12.81	-12.25
30-Jan-10	-24.29	-23.29	-22.73	-21.68	-21.04	-20.28	-19.64	-18.88	-17.29	-15.07	-12.86	-12.3
31-Jan-10	-24.32	-23.43	-22.8	-21.77	-21.1	-20.34	-19.7	-18.97	-17.4	-15.18	-12.93	-12.32

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL1

Bulb Depth	TH1_1 0.75 M	TH1_2 1.00 M	TH1_3 1.25 M	TH1_4 1.50 M	TH1_5 1.75 M	TH1_6 2.00 M	TH1_7 2.25 M	TH1_8 2.50 M	TH1_9 3.0 M	TH1_10 5.0 M	TH1_11 7.0 M	TH1_12 11.0 M
1-Feb-10	-24.35	-23.46	-22.86	-21.84	-21.16	-20.4	-19.76	-19.06	-17.52	-15.29	-12.98	-12.36
2-Feb-10	-24.45	-23.52	-22.92	-21.86	-21.25	-20.49	-19.84	-19.11	-17.6	-15.37	-13.06	-12.41
3-Feb-10	-24.44	-23.59	-22.98	-21.95	-21.31	-20.55	-19.93	-19.2	-17.68	-15.48	-13.1	-12.46
4-Feb-10	-24.39	-23.54	-23.02	-21.99	-21.34	-20.65	-20	-19.29	-17.77	-15.57	-13.18	-12.48
5-Feb-10	-24.34	-23.53	-23	-22.05	-21.44	-20.7	-20.05	-19.38	-17.86	-15.67	-13.23	-12.55
6-Feb-10	-24.47	-23.58	-23.01	-22.06	-21.45	-20.75	-20.13	-19.46	-17.96	-15.77	-13.3	-12.56
7-Feb-10	-24.51	-23.65	-23.12	-22.09	-21.52	-20.81	-20.2	-19.56	-18.06	-15.83	-13.35	-12.62
8-Feb-10	-24.51	-23.69	-23.16	-22.16	-21.59	-20.85	-20.26	-19.59	-18.12	-15.92	-13.41	-12.64
9-Feb-10	-24.59	-23.74	-23.21	-22.21	-21.63	-20.93	-20.34	-19.7	-18.19	-16.02	-13.47	-12.68
10-Feb-10	-24.63	-23.78	-23.25	-22.25	-21.7	-21	-20.41	-19.73	-18.26	-16.08	-13.53	-12.74
11-Feb-10	-24.59	-23.82	-23.28	-22.32	-21.77	-21.07	-20.44	-19.8	-18.38	-16.17	-13.59	-12.79
12-Feb-10	-24.6	-23.83	-23.33	-22.36	-21.79	-21.11	-20.52	-19.88	-18.46	-16.24	-13.66	-12.86
13-Feb-10	-24.54	-23.8	-23.34	-22.45	-21.83	-21.16	-20.6	-19.96	-18.5	-16.32	-13.73	-12.87
14-Feb-10	-24.33	-23.71	-23.29	-22.43	-21.89	-21.21	-20.66	-20.04	-18.55	-16.39	-13.77	-12.91
15-Feb-10	-24.19	-23.61	-23.27	-22.38	-21.94	-21.27	-20.71	-20.09	-18.67	-16.5	-13.84	-12.96
16-Feb-10	-24.03	-23.5	-23.19	-22.42	-21.91	-21.3	-20.74	-20.13	-18.73	-16.56	-13.9	-12.99
17-Feb-10	-23.84	-23.39	-23.09	-22.31	-21.91	-21.31	-20.78	-20.2	-18.8	-16.63	-13.93	-13.05
18-Feb-10	-23.62	-23.21	-23.02	-22.24	-21.88	-21.28	-20.79	-20.24	-18.84	-16.69	-14.02	-13.07
19-Feb-10	-23.64	-23.11	-22.89	-22.19	-21.82	-21.25	-20.8	-20.25	-18.88	-16.76	-14.08	-13.11
20-Feb-10	-23.95	-23.22	-22.92	-22.15	-21.79	-21.22	-20.8	-20.28	-18.95	-16.85	-14.11	-13.19
21-Feb-10	-24.31	-23.46	-23.01	-22.2	-21.77	-21.23	-20.78	-20.26	-18.99	-16.9	-14.18	-13.21
22-Feb-10	-24.66	-23.72	-23.23	-22.3	-21.83	-21.3	-20.81	-20.33	-19.02	-16.95	-14.23	-13.26
23-Feb-10	-24.81	-23.91	-23.37	-22.44	-21.97	-21.33	-20.84	-20.36	-19.08	-17.01	-14.29	-13.29
24-Feb-10	-24.86	-24.04	-23.54	-22.61	-22.1	-21.45	-20.93	-20.41	-19.13	-17.09	-14.34	-13.37
25-Feb-10	-24.62	-23.96	-23.58	-22.68	-22.16	-21.52	-20.99	-20.51	-19.2	-17.12	-14.4	-13.39
26-Feb-10	-24.31	-23.77	-23.5	-22.64	-22.2	-21.59	-21.06	-20.54	-19.19	-17.17	-14.44	-13.44
27-Feb-10	-24.3	-23.68	-23.42	-22.63	-22.23	-21.61	-21.12	-20.63	-19.28	-17.26	-14.49	-13.48
28-Feb-10	-24.53	-23.79	-23.41	-22.63	-22.22	-21.65	-21.15	-20.63	-19.34	-17.28	-14.57	-13.53
1-Mar-10	-24.89	-24.03	-23.53	-22.7	-22.26	-21.65	-21.18	-20.7	-19.37	-17.35	-14.6	-13.56
2-Mar-10	-25.25	-24.26	-23.72	-22.78	-22.33	-21.68	-21.22	-20.7	-19.44	-17.41	-14.63	-13.62
3-Mar-10	-25.51	-24.51	-23.92	-22.94	-22.46	-21.77	-21.27	-20.78	-19.46	-17.46	-14.71	-13.64
4-Mar-10	-25.72	-24.75	-24.12	-23.09	-22.57	-21.88	-21.34	-20.85	-19.53	-17.52	-14.77	-13.7
5-Mar-10	-25.84	-24.87	-24.28	-23.28	-22.68	-21.99	-21.45	-20.93	-19.56	-17.56	-14.8	-13.76
6-Mar-10	-25.84	-24.95	-24.39	-23.39	-22.83	-22.13	-21.55	-21.02	-19.62	-17.61	-14.85	-13.78
7-Mar-10	-25.93	-25.03	-24.48	-23.47	-22.94	-22.21	-21.67	-21.14	-19.73	-17.68	-14.89	-13.82
8-Mar-10	-25.96	-25.1	-24.59	-23.62	-23.01	-22.31	-21.77	-21.23	-19.79	-17.74	-14.94	-13.86
9-Mar-10	-26.02	-25.16	-24.64	-23.67	-23.1	-22.4	-21.85	-21.28	-19.84	-17.75	-14.99	-13.88
10-Mar-10	-26.04	-25.22	-24.74	-23.76	-23.23	-22.49	-21.91	-21.37	-19.93	-17.84	-15.04	-13.96
11-Mar-10	-25.74	-25.13	-24.73	-23.83	-23.26	-22.55	-22.01	-21.47	-20.05	-17.89	-15.09	-13.98
12-Mar-10	-25.48	-24.96	-24.64	-23.78	-23.29	-22.62	-22.07	-21.53	-20.08	-17.94	-15.16	-14.03
13-Mar-10	-25.36	-24.8	-24.53	-23.75	-23.29	-22.66	-22.11	-21.61	-20.15	-18.01	-15.2	-14.06
14-Mar-10	-25.25	-24.69	-24.46	-23.65	-23.3	-22.67	-22.16	-21.65	-20.23	-18.09	-15.24	-14.1
15-Mar-10	-25.12	-24.6	-24.36	-23.63	-23.25	-22.65	-22.18	-21.71	-20.28	-18.13	-15.28	-14.14
16-Mar-10	-25.01	-24.49	-24.3	-23.57	-23.19	-22.63	-22.15	-21.69	-20.29	-18.18	-15.32	-14.21
17-Mar-10	-24.96	-24.44	-24.21	-23.51	-23.21	-22.62	-22.18	-21.71	-20.35	-18.26	-15.37	-14.22
18-Mar-10	-24.92	-24.4	-24.17	-23.48	-23.18	-22.62	-22.18	-21.75	-20.42	-18.33	-15.43	-14.26
19-Mar-10	-24.95	-24.4	-24.16	-23.43	-23.13	-22.57	-22.17	-21.74	-20.41	-18.35	-15.48	-14.31
20-Mar-10	-24.96	-24.41	-24.13	-23.4	-23.1	-22.58	-22.14	-21.78	-20.45	-18.43	-15.52	-14.34
21-Mar-10	-25.01	-24.45	-24.14	-23.45	-23.11	-22.55	-22.15	-21.79	-20.46	-18.46	-15.56	-14.38
22-Mar-10	-24.96	-24.4	-24.17	-23.44	-23.1	-22.58	-22.18	-21.78	-20.52	-18.52	-15.61	-14.4
23-Mar-10	-24.96	-24.4	-24.13	-23.44	-23.14	-22.58	-22.18	-21.78	-20.52	-18.55	-15.67	-14.46
24-Mar-10	-25	-24.4	-24.13	-23.44	-23.14	-22.58	-22.18	-21.82	-20.55	-18.62	-15.7	-14.49
25-Mar-10	-25.04	-24.44	-24.17	-23.48	-23.1	-22.58	-22.21	-21.82	-20.59	-18.62	-15.75	-14.54
26-Mar-10	-25.08	-24.49	-24.21	-23.44	-23.14	-22.62	-22.22	-21.86	-20.59	-18.65	-15.79	-14.58
27-Mar-10	-25.02	-24.47	-24.23	-23.46	-23.16	-22.61	-22.28	-21.88	-20.61	-18.71	-15.84	-14.63
28-Mar-10	-24.85	-24.37	-24.18	-23.45	-23.15	-22.67	-22.23	-21.9	-20.64	-18.77	-15.9	-14.69
29-Mar-10	-24.35	-24.2	-24.04	-23.43	-23.17	-22.65	-22.28	-21.92	-20.72	-18.78	-15.94	-14.73
30-Mar-10	-23.88	-23.77	-23.84	-23.27	-23.12	-22.6	-22.24	-21.95	-20.68	-18.84	-15.96	-14.72
31-Mar-10	-23.66	-23.5	-23.58	-23.16	-22.98	-22.53	-22.24	-21.92	-20.72	-18.84	-16	-14.78
1-Apr-10	-23.35	-23.28	-23.43	-22.94	-22.87	-22.46	-22.2	-21.92	-20.72	-18.87	-16.03	-14.81
2-Apr-10	-23.19	-23.08	-23.19	-22.82	-22.71	-22.42	-22.09	-21.87	-20.78	-18.93	-16.08	-14.86
3-Apr-10	-23.1	-22.95	-23.1	-22.65	-22.58	-22.25	-22.03	-21.81	-20.76	-18.95	-16.12	-14.88
4-Apr-10	-23.01	-22.82	-22.93	-22.56	-22.49	-22.16	-21.95	-21.73	-20.78	-18.96	-16.14	-14.92
5-Apr-10	-22.9	-22.68	-22.79	-22.42	-22.35	-22.06	-21.91	-21.66	-20.75	-19	-16.18	-14.95
6-Apr-10	-22.8	-22.61	-22.72	-22.36	-22.25	-21.96	-21.81	-21.64	-20.72	-19.01	-16.21	-14.99
7-Apr-10	-22.6	-22.49	-22.6	-22.24	-22.16	-21.88	-21.73	-21.55	-20.68	-19.06	-16.26	-15.04

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL1

Bulb Depth	TH1_1 0.75 M	TH1_2 1.00 M	TH1_3 1.25 M	TH1_4 1.50 M	TH1_5 1.75 M	TH1_6 2.00 M	TH1_7 2.25 M	TH1_8 2.50 M	TH1_9 3.0 M	TH1_10 5.0 M	TH1_11 7.0 M	TH1_12 11.0 M
8-Apr-10	-22.5	-22.35	-22.46	-22.14	-22.06	-21.85	-21.63	-21.53	-20.62	-19.04	-16.3	-15.05
9-Apr-10	-22.39	-22.25	-22.43	-22.03	-21.96	-21.74	-21.57	-21.46	-20.59	-19.04	-16.34	-15.14
10-Apr-10	-22.31	-22.13	-22.31	-21.95	-21.88	-21.67	-21.49	-21.45	-20.55	-19.07	-16.39	-15.13
11-Apr-10	-22.18	-22.03	-22.18	-21.85	-21.78	-21.57	-21.43	-21.35	-20.52	-19.04	-16.37	-15.17
12-Apr-10	-22.02	-21.91	-22.05	-21.73	-21.73	-21.48	-21.37	-21.3	-20.5	-19.06	-16.44	-15.18
13-Apr-10	-21.95	-21.85	-21.99	-21.63	-21.63	-21.42	-21.31	-21.24	-20.44	-19.07	-16.45	-15.22
14-Apr-10	-21.93	-21.82	-21.93	-21.57	-21.54	-21.32	-21.22	-21.15	-20.46	-19.05	-16.49	-15.26
15-Apr-10	-21.8	-21.65	-21.8	-21.51	-21.51	-21.3	-21.16	-21.13	-20.37	-19.06	-16.54	-15.28
16-Apr-10	-21.41	-21.44	-21.65	-21.41	-21.41	-21.2	-21.09	-21.06	-20.3	-19.06	-16.51	-15.31
17-Apr-10	-21.05	-21.16	-21.51	-21.26	-21.26	-21.16	-21.05	-21.05	-20.26	-19.06	-16.56	-15.36
18-Apr-10	-20.77	-20.91	-21.23	-21.05	-21.12	-20.98	-20.98	-20.95	-20.29	-18.99	-16.56	-15.39
19-Apr-10	-20.57	-20.67	-21.09	-20.88	-20.98	-20.88	-20.84	-20.88	-20.19	-19.03	-16.59	-15.39
20-Apr-10	-20.35	-20.53	-20.87	-20.73	-20.84	-20.77	-20.77	-20.8	-20.18	-18.99	-16.62	-15.44
21-Apr-10	-20.23	-20.33	-20.74	-20.53	-20.67	-20.6	-20.64	-20.67	-20.09	-18.96	-16.66	-15.45
22-Apr-10	-20.09	-20.23	-20.57	-20.43	-20.53	-20.53	-20.53	-20.6	-20.02	-18.96	-16.63	-15.48
23-Apr-10	-19.89	-20.03	-20.43	-20.26	-20.4	-20.37	-20.43	-20.47	-19.99	-18.96	-16.69	-15.54
24-Apr-10	-19.53	-19.77	-20.2	-20.1	-20.3	-20.24	-20.34	-20.37	-19.93	-18.94	-16.67	-15.52
25-Apr-10	-19.17	-19.46	-20	-19.93	-20.13	-20.07	-20.2	-20.27	-19.87	-18.91	-16.73	-15.58
26-Apr-10	-18.81	-19.21	-19.74	-19.67	-19.94	-19.97	-20.07	-20.21	-19.74	-18.85	-16.7	-15.62
27-Apr-10	-18.46	-18.88	-19.48	-19.44	-19.71	-19.81	-19.91	-20.08	-19.68	-18.82	-16.74	-15.62
28-Apr-10	-18.11	-18.56	-19.18	-19.24	-19.54	-19.61	-19.77	-19.94	-19.64	-18.82	-16.74	-15.65
29-Apr-10	-17.75	-18.26	-18.87	-19	-19.3	-19.46	-19.63	-19.79	-19.49	-18.77	-16.76	-15.67
30-Apr-10	-17.54	-17.98	-18.65	-18.75	-19.1	-19.27	-19.43	-19.67	-19.43	-18.75	-16.73	-15.64
1-May-10	-17.31	-17.78	-18.39	-18.51	-18.9	-19.03	-19.33	-19.53	-19.33	-18.68	-16.79	-15.7
2-May-10	-17.21	-17.62	-18.22	-18.29	-18.67	-18.83	-19.16	-19.39	-19.23	-18.64	-16.78	-15.69
3-May-10	-17.13	-17.44	-18.07	-18.13	-18.51	-18.68	-18.97	-19.23	-19.13	-18.61	-16.79	-15.7
4-May-10	-17.01	-17.35	-17.92	-18.04	-18.36	-18.55	-18.85	-19.11	-18.98	-18.55	-16.76	-15.74
5-May-10	-16.79	-17.16	-17.76	-17.85	-18.17	-18.39	-18.68	-18.94	-18.91	-18.49	-16.79	-15.74
6-May-10	-16.52	-16.95	-17.57	-17.67	-18.05	-18.24	-18.56	-18.85	-18.82	-18.43	-16.8	-15.74
7-May-10	-16.34	-16.73	-17.38	-17.51	-17.91	-18.1	-18.42	-18.68	-18.68	-18.39	-16.76	-15.76
8-May-10	-16.19	-16.58	-17.23	-17.32	-17.73	-17.95	-18.27	-18.55	-18.55	-18.33	-16.73	-15.8
9-May-10	-16.1	-16.46	-17.07	-17.2	-17.54	-17.76	-18.11	-18.46	-18.49	-18.27	-16.76	-15.8
10-May-10	-15.98	-16.34	-16.95	-17.04	-17.41	-17.69	-18.01	-18.3	-18.39	-18.2	-16.73	-15.83
11-May-10	-15.86	-16.16	-16.8	-16.93	-17.3	-17.55	-17.86	-18.18	-18.27	-18.11	-16.74	-15.8
12-May-10	-15.71	-16.07	-16.7	-16.79	-17.13	-17.41	-17.73	-18.04	-18.17	-18.04	-16.73	-15.86
13-May-10	-15.59	-15.95	-16.55	-16.67	-17.04	-17.26	-17.6	-17.95	-18.07	-17.95	-16.7	-15.83
14-May-10	-15.47	-15.8	-16.4	-16.55	-16.92	-17.16	-17.48	-17.79	-17.92	-17.92	-16.7	-15.86
15-May-10	-15.39	-15.71	-16.31	-16.44	-16.74	-17.02	-17.39	-17.7	-17.86	-17.86	-16.68	-15.86
16-May-10	-15.27	-15.63	-16.2	-16.32	-16.65	-16.9	-17.27	-17.58	-17.77	-17.8	-16.62	-15.84
17-May-10	-15.06	-15.42	-16.07	-16.19	-16.56	-16.8	-17.14	-17.48	-17.67	-17.7	-16.65	-15.86
18-May-10	-14.86	-15.27	-15.92	-16.04	-16.44	-16.68	-17.05	-17.36	-17.58	-17.64	-16.65	-15.83
19-May-10	-14.62	-15.09	-15.77	-15.92	-16.31	-16.55	-16.92	-17.26	-17.48	-17.57	-16.61	-15.86
20-May-10	-14.51	-14.95	-15.59	-15.74	-16.16	-16.44	-16.8	-17.14	-17.39	-17.51	-16.59	-15.8
21-May-10	-14.39	-14.8	-15.42	-15.62	-15.98	-16.31	-16.68	-17.02	-17.29	-17.42	-16.59	-15.86
22-May-10	-14.25	-14.65	-15.33	-15.48	-15.89	-16.16	-16.59	-16.89	-17.17	-17.39	-16.56	-15.86
23-May-10	-14.11	-14.55	-15.19	-15.31	-15.75	-16.05	-16.45	-16.81	-17.09	-17.27	-16.54	-15.84
24-May-10	-13.97	-14.4	-15.07	-15.25	-15.63	-15.93	-16.32	-16.69	-16.99	-17.24	-16.5	-15.84
25-May-10	-13.74	-14.23	-14.9	-15.1	-15.51	-15.81	-16.2	-16.57	-16.9	-17.15	-16.47	-15.84
26-May-10	-13.55	-14.03	-14.76	-14.93	-15.37	-15.7	-16.09	-16.45	-16.79	-17.09	-16.45	-15.82
27-May-10	-13.35	-13.86	-14.58	-14.79	-15.23	-15.55	-15.97	-16.33	-16.73	-16.97	-16.42	-15.82
28-May-10	-13.12	-13.66	-14.41	-14.64	-15.08	-15.4	-15.82	-16.24	-16.63	-16.94	-16.39	-15.79
29-May-10	-12.9	-13.49	-14.24	-14.5	-14.93	-15.28	-15.7	-16.12	-16.51	-16.88	-16.39	-15.82
30-May-10	-12.65	-13.29	-14.06	-14.29	-14.79	-15.17	-15.58	-16	-16.39	-16.82	-16.36	-15.79
31-May-10	-12.51	-13.1	-13.87	-14.15	-14.62	-14.99	-15.47	-15.88	-16.33	-16.73	-16.33	-15.79
1-Jun-10	-12.33	-12.94	-13.73	-13.99	-14.48	-14.86	-15.33	-15.74	-16.22	-16.65	-16.28	-15.77
2-Jun-10	-12.07	-12.71	-13.53	-13.82	-14.3	-14.71	-15.21	-15.62	-16.1	-16.58	-16.25	-15.77
3-Jun-10	-11.74	-12.46	-13.3	-13.64	-14.13	-14.56	-15.06	-15.47	-15.98	-16.52	-16.22	-15.74
4-Jun-10	-11.44	-12.15	-13.1	-13.42	-13.96	-14.42	-14.91	-15.35	-15.89	-16.46	-16.19	-15.74
5-Jun-10	-11.07	-11.9	-12.82	-13.21	-13.72	-14.24	-14.73	-15.2	-15.76	-16.39	-16.18	-15.73
6-Jun-10	-10.82	-11.61	-12.58	-13	-13.54	-14.05	-14.63	-15.07	-15.66	-16.32	-16.13	-15.69
7-Jun-10	-10.55	-11.36	-12.33	-12.75	-13.34	-13.88	-14.45	-14.92	-15.57	-16.2	-16.14	-15.72
8-Jun-10	-10.13	-11.03	-12.07	-12.52	-13.13	-13.67	-14.27	-14.77	-15.44	-16.16	-16.1	-15.71
9-Jun-10	-9.66	-10.63	-11.75	-12.28	-12.89	-13.45	-14.11	-14.6	-15.33	-16.05	-16.05	-15.66
10-Jun-10	-9	-10.15	-11.37	-11.98	-12.59	-13.26	-13.92	-14.43	-15.19	-15.99	-16.02	-15.66
11-Jun-10	-7.49	-9.32	-10.83	-11.57	-12.34	-13.04	-13.72	-14.26	-15.07	-15.9	-15.96	-15.63
12-Jun-10	-6.396	-8.58	-10.3	-11.16	-11.99	-12.74	-13.5	-14.07	-14.94	-15.79	-15.94	-15.64

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL1

Bulb	TH1_1	TH1_2	TH1_3	TH1_4	TH1_5	TH1_6	TH1_7	TH1_8	TH1_9	TH1_10	TH1_11	TH1_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
13-Jun-10	-5.722	-7.93	-9.71	-10.68	-11.61	-12.44	-13.25	-13.82	-14.77	-15.72	-15.9	-15.6
14-Jun-10	-5.193	-7.5	-9.28	-10.3	-11.25	-12.15	-12.99	-13.64	-14.64	-15.61	-15.85	-15.58
15-Jun-10	-4.671	-6.921	-8.8	-9.86	-10.89	-11.82	-12.74	-13.38	-14.44	-15.55	-15.82	-15.55
16-Jun-10	-4.384	-6.449	-8.29	-9.44	-10.46	-11.49	-12.46	-13.16	-14.3	-15.44	-15.79	-15.55
17-Jun-10	-4.202	-6.108	-7.9	-9.04	-10.11	-11.16	-12.18	-12.91	-14.12	-15.32	-15.73	-15.52
18-Jun-10	-4.019	-5.82	-7.58	-8.69	-9.76	-10.86	-11.88	-12.63	-13.92	-15.23	-15.7	-15.49
19-Jun-10	-3.863	-5.559	-7.32	-8.4	-9.44	-10.54	-11.6	-12.37	-13.75	-15.14	-15.67	-15.49
20-Jun-10	-3.717	-5.36	-7.06	-8.14	-9.15	-10.3	-11.36	-12.13	-13.59	-15.03	-15.62	-15.47
21-Jun-10	-3.576	-5.141	-6.816	-7.89	-8.9	-10.05	-11.11	-11.9	-13.38	-14.88	-15.55	-15.44
22-Jun-10	-3.435	-4.948	-6.622	-7.65	-8.65	-9.77	-10.88	-11.65	-13.18	-14.78	-15.52	-15.43
23-Jun-10	-3.283	-4.769	-6.416	-7.41	-8.39	-9.56	-10.64	-11.43	-13.01	-14.67	-15.46	-15.4
24-Jun-10	-3.185	-4.619	-6.213	-7.24	-8.19	-9.36	-10.43	-11.25	-12.82	-14.53	-15.41	-15.35
25-Jun-10	-3.077	-4.484	-6.076	-7.05	-7.97	-9.16	-10.23	-11.02	-12.67	-14.4	-15.36	-15.33
26-Jun-10	-2.971	-4.326	-5.892	-6.887	-7.75	-8.97	-10.04	-10.83	-12.47	-14.28	-15.3	-15.3
27-Jun-10	-2.597	-4.134	-5.726	-6.695	-7.56	-8.78	-9.87	-10.6	-12.3	-14.16	-15.24	-15.27
28-Jun-10	-2.573	-3.954	-5.545	-6.513	-7.38	-8.59	-9.69	-10.41	-12.14	-14.02	-15.18	-15.24
29-Jun-10	-2.478	-3.832	-5.371	-6.364	-7.18	-8.42	-9.51	-10.23	-11.98	-13.91	-15.13	-15.22
30-Jun-10	-2.321	-3.676	-5.214	-6.181	-6.993	-8.23	-9.35	-10.07	-11.81	-13.77	-15.07	-15.16
1-Jul-10	-2.191	-3.52	-5.057	-6.024	-6.809	-8.1	-9.16	-9.91	-11.67	-13.63	-14.98	-15.13
2-Jul-10	-2.06	-3.364	-4.901	-5.841	-6.652	-7.91	-9	-9.72	-11.51	-13.51	-14.92	-15.1
3-Jul-10	-1.942	-3.244	-4.755	-5.72	-6.479	-7.77	-8.85	-9.54	-11.35	-13.41	-14.87	-15.05
4-Jul-10	-1.774	-3.077	-4.615	-5.554	-6.312	-7.6	-8.71	-9.4	-11.21	-13.29	-14.81	-15.01
5-Jul-10	-1.629	-2.932	-4.468	-5.407	-6.139	-7.48	-8.53	-9.22	-11.08	-13.16	-14.73	-14.96
6-Jul-10	-1.449	-2.805	-4.315	-5.28	-5.985	-7.32	-8.4	-9.09	-10.92	-13.05	-14.67	-14.93
7-Jul-10	-1.295	-2.678	-4.19	-5.128	-5.86	-7.17	-8.25	-8.94	-10.79	-12.92	-14.63	-14.89
8-Jul-10	-1.109	-2.544	-4.056	-4.995	-5.7	-7.04	-8.12	-8.78	-10.66	-12.83	-14.57	-14.86
9-Jul-10	-1.005	-2.414	-3.926	-4.864	-5.543	-6.904	-7.98	-8.67	-10.55	-12.69	-14.48	-14.83
10-Jul-10	-0.955	-2.313	-3.826	-4.739	-5.444	-6.78	-7.86	-8.52	-10.42	-12.59	-14.43	-14.78
11-Jul-10	-0.916	-2.223	-3.711	-4.598	-5.277	-6.638	-7.72	-8.38	-10.28	-12.47	-14.37	-14.74
12-Jul-10	-0.928	-2.156	-3.617	-4.529	-5.156	-6.517	-7.59	-8.26	-10.15	-12.37	-14.29	-14.72
13-Jul-10	-0.929	-2.105	-3.54	-4.4	-5.053	-6.413	-7.46	-8.12	-10.04	-12.26	-14.23	-14.67
14-Jul-10	-0.914	-2.037	-3.472	-4.306	-4.932	-6.265	-7.34	-8	-9.92	-12.15	-14.15	-14.62

NOTES:

Signifies the warmest temperature recorded for individual thermistor strings during the calendar year.

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL2

Bulb	TH2_1	TH2_2	TH2_3	TH2_4	TH2_5	TH2_6	TH2_7	TH2_8	TH2_9	TH2_10	TH2_11	TH2_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
1-Jan-09	-22.86	-20.58	-20.89	-20.13	-19.43	-18.74	-17.78	-17.06	-15.96	-13.76	-12.24	-11.49
2-Jan-09	-22.17	-20.34	-20.76	-20.11	-19.47	-18.78	-17.85	-17.13	-16.06	-13.86	-12.33	-11.56
3-Jan-09	-21.83	-19.96	-20.47	-19.99	-19.39	-18.8	-17.9	-17.18	-16.16	-13.96	-12.4	-11.62
4-Jan-09	-22.19	-20.73	-20.42	-19.88	-19.28	-18.72	-17.89	-17.23	-16.22	-14.06	-12.47	-11.67
5-Jan-09	-22.65	-21	-20.52	-19.87	-19.31	-18.75	-17.91	-17.25	-16.3	-14.14	-12.55	-11.74
6-Jan-09	-23.32	-21.42	-20.75	-20.03	-19.36	-18.77	-17.94	-17.31	-16.32	-14.25	-12.62	-11.79
7-Jan-09	-24.2	-22.02	-21.16	-20.26	-19.52	-18.9	-18.02	-17.36	-16.41	-14.33	-12.7	-11.83
8-Jan-09	-24.94	-22.63	-21.62	-20.6	-19.78	-19.05	-18.11	-17.45	-16.46	-14.41	-12.78	-11.91
9-Jan-09	-25.63	-23.19	-22.08	-20.95	-20.05	-19.25	-18.3	-17.54	-16.55	-14.46	-12.83	-11.96
10-Jan-09	-26.25	-23.81	-22.57	-21.34	-20.37	-19.52	-18.5	-17.71	-16.65	-14.53	-12.92	-12
11-Jan-09	-26.38	-24.16	-22.97	-21.7	-20.71	-19.79	-18.7	-17.87	-16.77	-14.65	-13.01	-12.06
12-Jan-09	-26.46	-24.35	-23.2	-21.98	-20.99	-20.06	-18.93	-18.06	-16.9	-14.71	-13.07	-12.11
13-Jan-09	-26.59	-24.55	-23.43	-22.24	-21.24	-20.26	-19.16	-18.25	-17.02	-14.79	-13.12	-12.17
14-Jan-09	-26.77	-24.75	-23.62	-22.46	-21.45	-20.51	-19.36	-18.42	-17.18	-14.89	-13.22	-12.23
15-Jan-09	-26.67	-24.86	-23.76	-22.63	-21.65	-20.67	-19.55	-18.6	-17.32	-14.99	-13.26	-12.3
16-Jan-09	-26.93	-25.03	-23.92	-22.75	-21.77	-20.85	-19.72	-18.77	-17.46	-15.09	-13.35	-12.36
17-Jan-09	-27	-25.21	-24.1	-22.96	-21.97	-21.01	-19.88	-18.92	-17.6	-15.2	-13.43	-12.42
18-Jan-09	-26.56	-25.08	-24.13	-23.06	-22.11	-21.21	-20.08	-19.07	-17.79	-15.31	-13.48	-12.46
19-Jan-09	-26.16	-24.9	-24.03	-23.12	-22.2	-21.34	-20.23	-19.22	-17.9	-15.39	-13.59	-12.51
20-Jan-09	-25.42	-24.5	-23.84	-23	-22.23	-21.37	-20.33	-19.35	-18.06	-15.5	-13.67	-12.57
21-Jan-09	-25.09	-24.14	-23.56	-22.88	-22.15	-21.4	-20.39	-19.48	-18.18	-15.62	-13.75	-12.61
22-Jan-09	-25.08	-24.02	-23.41	-22.73	-22.04	-21.36	-20.42	-19.54	-18.27	-15.73	-13.83	-12.69
23-Jan-09	-25.2	-24.02	-23.4	-22.69	-22	-21.32	-20.42	-19.57	-18.36	-15.85	-13.88	-12.75
24-Jan-09	-25.32	-24.09	-23.4	-22.69	-22	-21.32	-20.45	-19.64	-18.46	-15.94	-13.97	-12.8
25-Jan-09	-25.38	-24.19	-23.46	-22.71	-22.02	-21.34	-20.47	-19.66	-18.51	-16.05	-14.05	-12.88
26-Jan-09	-24.59	-23.92	-23.39	-22.72	-22.02	-21.38	-20.54	-19.73	-18.58	-16.11	-14.14	-12.91
27-Jan-09	-23.88	-23.39	-23.01	-22.57	-21.98	-21.38	-20.58	-19.76	-18.64	-16.23	-14.22	-13
28-Jan-09	-23.49	-23	-22.71	-22.3	-21.83	-21.3	-20.53	-19.79	-18.7	-16.29	-14.3	-13.04
29-Jan-09	-23.68	-22.88	-22.51	-22.15	-21.65	-21.19	-20.49	-19.78	-18.76	-16.37	-14.38	-13.12
30-Jan-09	-24.12	-23.06	-22.57	-22.1	-21.56	-21.1	-20.44	-19.76	-18.77	-16.44	-14.45	-13.16
31-Jan-09	-24.99	-23.5	-22.79	-22.16	-21.59	-21.09	-20.4	-19.76	-18.8	-16.5	-14.53	-13.24
1-Feb-09	-25.91	-24.11	-23.23	-22.41	-21.72	-21.16	-20.43	-19.78	-18.82	-16.55	-14.61	-13.28
2-Feb-09	-26.32	-24.61	-23.68	-22.74	-21.93	-21.33	-20.53	-19.81	-18.85	-16.64	-14.67	-13.35
3-Feb-09	-25.97	-24.63	-23.82	-22.98	-22.17	-21.49	-20.65	-19.9	-18.9	-16.69	-14.74	-13.39
4-Feb-09	-26.3	-24.71	-23.89	-23.09	-22.31	-21.62	-20.78	-19.99	-18.99	-16.74	-14.79	-13.46
5-Feb-09	-26.64	-25.03	-24.12	-23.2	-22.42	-21.74	-20.89	-20.1	-19.06	-16.81	-14.86	-13.53
6-Feb-09	-26.89	-25.27	-24.35	-23.43	-22.57	-21.88	-21.02	-20.2	-19.13	-16.87	-14.91	-13.58
7-Feb-09	-27.19	-25.51	-24.59	-23.62	-22.75	-22.02	-21.13	-20.3	-19.19	-16.96	-15	-13.64
8-Feb-09	-27.63	-25.84	-24.79	-23.81	-22.94	-22.16	-21.27	-20.4	-19.29	-16.99	-15.06	-13.69
9-Feb-09	-27.89	-26.12	-25.1	-24.03	-23.12	-22.34	-21.4	-20.53	-19.38	-17.07	-15.11	-13.74
10-Feb-09	-28.17	-26.39	-25.35	-24.24	-23.32	-22.5	-21.56	-20.65	-19.5	-17.15	-15.15	-13.79
11-Feb-09	-28.12	-26.51	-25.51	-24.43	-23.5	-22.68	-21.73	-20.78	-19.62	-17.21	-15.23	-13.84
12-Feb-09	-28.08	-26.61	-25.61	-24.6	-23.67	-22.84	-21.85	-20.9	-19.7	-17.28	-15.31	-13.91
13-Feb-09	-27.8	-26.46	-25.59	-24.67	-23.77	-22.97	-21.98	-21.06	-19.82	-17.36	-15.35	-13.98
14-Feb-09	-28.06	-26.49	-25.66	-24.69	-23.87	-23.03	-22.11	-21.15	-19.91	-17.44	-15.43	-14.02
15-Feb-09	-28.56	-26.84	-25.83	-24.82	-23.92	-23.15	-22.23	-21.26	-20.02	-17.54	-15.49	-14.06
16-Feb-09	-28.79	-27.1	-26.08	-24.98	-24.07	-23.27	-22.34	-21.37	-20.12	-17.61	-15.55	-14.12
17-Feb-09	-29.28	-27.39	-26.27	-25.16	-24.29	-23.4	-22.47	-21.49	-20.24	-17.71	-15.62	-14.15
18-Feb-09	-29.89	-27.83	-26.66	-25.45	-24.45	-23.59	-22.62	-21.6	-20.34	-17.78	-15.66	-14.21
19-Feb-09	-29.93	-28.18	-27	-25.74	-24.69	-23.79	-22.77	-21.75	-20.46	-17.86	-15.77	-14.29
20-Feb-09	-29.16	-27.89	-26.97	-25.87	-24.9	-23.99	-22.97	-21.9	-20.57	-17.95	-15.82	-14.35
21-Feb-09	-29.34	-27.79	-26.88	-25.87	-24.93	-24.1	-23.11	-22.04	-20.7	-18.04	-15.91	-14.4
22-Feb-09	-29.66	-28.01	-26.96	-25.95	-25.05	-24.18	-23.19	-22.15	-20.8	-18.14	-15.94	-14.43
23-Feb-09	-29.72	-28.15	-27.1	-26.08	-25.14	-24.27	-23.31	-22.23	-20.91	-18.24	-16.03	-14.52
24-Feb-09	-29.68	-28.2	-27.23	-26.17	-25.27	-24.39	-23.43	-22.38	-21.02	-18.31	-16.1	-14.56
25-Feb-09	-29.72	-28.24	-27.23	-26.25	-25.34	-24.46	-23.49	-22.49	-21.12	-18.43	-16.15	-14.64
26-Feb-09	-29.45	-28.22	-27.34	-26.35	-25.4	-24.56	-23.59	-22.58	-21.21	-18.49	-16.24	-14.66
27-Feb-09	-29.08	-27.91	-27.16	-26.27	-25.44	-24.64	-23.71	-22.69	-21.32	-18.59	-16.33	-14.72
28-Feb-09	-28.66	-27.77	-27.03	-26.22	-25.48	-24.67	-23.78	-22.76	-21.42	-18.71	-16.38	-14.8
1-Mar-09	-28.79	-27.58	-26.88	-26.16	-25.42	-24.7	-23.8	-22.82	-21.51	-18.79	-16.46	-14.84
2-Mar-09	-29.26	-27.81	-26.98	-26.17	-25.35	-24.67	-23.81	-22.87	-21.56	-18.87	-16.53	-14.88
3-Mar-09	-29.03	-27.85	-27.11	-26.26	-25.44	-24.71	-23.85	-22.91	-21.67	-18.97	-16.6	-14.98
4-Mar-09	-29.2	-27.83	-27.09	-26.24	-25.5	-24.73	-23.91	-22.96	-21.72	-19.04	-16.66	-15.01
5-Mar-09	-29.67	-28.15	-27.23	-26.33	-25.54	-24.82	-23.96	-23	-21.8	-19.08	-16.73	-15.08
6-Mar-09	-29.91	-28.38	-27.4	-26.46	-25.67	-24.9	-24.03	-23.08	-21.83	-19.18	-16.83	-15.14
7-Mar-09	-30	-28.56	-27.58	-26.63	-25.79	-24.98	-24.11	-23.15	-21.9	-19.25	-16.89	-15.2

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.0 M	TH2_10 5.0 M	TH2_11 7.0 M	TH2_12 11.0 M
8-Mar-09	-30	-28.6	-27.71	-26.75	-25.91	-25.1	-24.23	-23.23	-22.01	-19.32	-16.95	-15.26
9-Mar-09	-30.28	-28.73	-27.79	-26.87	-25.99	-25.17	-24.29	-23.33	-22.04	-19.4	-17.03	-15.33
10-Mar-09	-30.81	-29.05	-28	-27	-26.11	-25.29	-24.41	-23.44	-22.14	-19.47	-17.12	-15.39
11-Mar-09	-31.26	-29.42	-28.28	-27.22	-26.28	-25.41	-24.49	-23.52	-22.25	-19.54	-17.15	-15.42
12-Mar-09	-31.46	-29.71	-28.55	-27.44	-26.49	-25.58	-24.65	-23.64	-22.33	-19.61	-17.25	-15.49
13-Mar-09	-31.47	-29.85	-28.78	-27.66	-26.66	-25.79	-24.77	-23.76	-22.41	-19.68	-17.32	-15.55
14-Mar-09	-31.33	-29.87	-28.89	-27.8	-26.8	-25.92	-24.95	-23.85	-22.53	-19.76	-17.36	-15.59
15-Mar-09	-30.97	-29.72	-28.79	-27.84	-26.93	-26.04	-25.06	-23.99	-22.63	-19.82	-17.45	-15.64
16-Mar-09	-30.73	-29.58	-28.7	-27.8	-26.98	-26.13	-25.15	-24.12	-22.71	-19.92	-17.52	-15.71
17-Mar-09	-30.54	-29.44	-28.66	-27.76	-26.93	-26.17	-25.23	-24.2	-22.79	-20.03	-17.55	-15.77
18-Mar-09	-30.21	-29.31	-28.53	-27.72	-26.94	-26.18	-25.27	-24.28	-22.91	-20.1	-17.62	-15.81
19-Mar-09	-29.91	-29.02	-28.38	-27.62	-26.93	-26.16	-25.3	-24.31	-22.97	-20.19	-17.7	-15.88
20-Mar-09	-30.05	-28.97	-28.29	-27.58	-26.84	-26.16	-25.34	-24.38	-23.04	-20.22	-17.76	-15.94
21-Mar-09	-30.24	-29.11	-28.33	-27.53	-26.84	-26.12	-25.34	-24.38	-23.11	-20.32	-17.82	-16
22-Mar-09	-30.53	-29.24	-28.42	-27.66	-26.83	-26.16	-25.37	-24.42	-23.15	-20.42	-17.91	-16.06
23-Mar-09	-30.77	-29.43	-28.6	-27.71	-26.92	-26.2	-25.38	-24.46	-23.23	-20.49	-17.95	-16.12
24-Mar-09	-31.02	-29.62	-28.74	-27.84	-27.05	-26.28	-25.46	-24.54	-23.26	-20.53	-18.04	-16.18
25-Mar-09	-31.21	-29.85	-28.92	-28.01	-27.13	-26.41	-25.54	-24.57	-23.34	-20.59	-18.1	-16.24
26-Mar-09	-31.47	-30	-29.06	-28.15	-27.27	-26.5	-25.63	-24.7	-23.38	-20.67	-18.18	-16.28
27-Mar-09	-31.23	-30.06	-29.17	-28.26	-27.42	-26.6	-25.72	-24.75	-23.47	-20.72	-18.22	-16.35
28-Mar-09	-30.69	-29.78	-29.08	-28.3	-27.46	-26.73	-25.85	-24.83	-23.55	-20.79	-18.29	-16.38
29-Mar-09	-30.04	-29.47	-28.87	-28.19	-27.44	-26.71	-25.91	-24.9	-23.61	-20.88	-18.35	-16.44
30-Mar-09	-29.17	-28.85	-28.44	-27.94	-27.33	-26.68	-25.89	-24.95	-23.66	-20.93	-18.42	-16.5
31-Mar-09	-28.83	-28.47	-28.16	-27.71	-27.1	-26.59	-25.88	-24.99	-23.74	-21	-18.49	-16.57
1-Apr-09	-27.66	-27.84	-27.71	-27.4	-26.93	-26.42	-25.79	-24.94	-23.77	-21.06	-18.55	-16.63
2-Apr-09	-27.08	-27.21	-27.13	-27	-26.61	-26.23	-25.65	-24.93	-23.79	-21.12	-18.63	-16.7
3-Apr-09	-27	-26.91	-26.83	-26.65	-26.32	-25.98	-25.49	-24.81	-23.79	-21.19	-18.66	-16.74
4-Apr-09	-27.03	-26.78	-26.61	-26.44	-26.1	-25.81	-25.36	-24.72	-23.78	-21.21	-18.75	-16.79
5-Apr-09	-27.24	-26.81	-26.52	-26.3	-25.97	-25.64	-25.19	-24.64	-23.7	-21.28	-18.77	-16.84
6-Apr-09	-27.47	-26.9	-26.52	-26.23	-25.89	-25.57	-25.08	-24.56	-23.67	-21.29	-18.85	-16.88
7-Apr-09	-27.43	-26.95	-26.57	-26.23	-25.86	-25.49	-25.04	-24.49	-23.64	-21.32	-18.88	-16.95
8-Apr-09	-27.42	-26.9	-26.52	-26.18	-25.81	-25.44	-24.96	-24.4	-23.59	-21.32	-18.94	-17
9-Apr-09	-27.43	-26.87	-26.53	-26.15	-25.74	-25.37	-24.93	-24.37	-23.56	-21.36	-18.98	-17.07
10-Apr-09	-27.22	-26.79	-26.49	-26.12	-25.7	-25.38	-24.89	-24.34	-23.53	-21.37	-19.02	-17.11
11-Apr-09	-26.67	-26.54	-26.33	-26.04	-25.63	-25.3	-24.86	-24.31	-23.54	-21.38	-19.06	-17.18
12-Apr-09	-26.48	-26.18	-26.06	-25.85	-25.52	-25.24	-24.8	-24.29	-23.48	-21.39	-19.11	-17.19
13-Apr-09	-26.78	-26.32	-25.98	-25.74	-25.41	-25.13	-24.73	-24.22	-23.45	-21.36	-19.15	-17.26
14-Apr-09	-26.7	-26.28	-26.03	-25.74	-25.38	-25.09	-24.66	-24.19	-23.46	-21.41	-19.19	-17.3
15-Apr-09	-26.41	-26.16	-25.91	-25.7	-25.34	-25.02	-24.62	-24.11	-23.42	-21.41	-19.22	-17.33
16-Apr-09	-26.08	-25.92	-25.79	-25.59	-25.22	-24.98	-24.55	-24.08	-23.35	-21.38	-19.27	-17.4
17-Apr-09	-25.4	-25.6	-25.52	-25.44	-25.12	-24.88	-24.52	-24.05	-23.33	-21.4	-19.28	-17.42
18-Apr-09	-24.48	-24.91	-25.07	-25.15	-24.91	-24.75	-24.44	-23.97	-23.32	-21.42	-19.31	-17.48
19-Apr-09	-24.01	-24.44	-24.59	-24.75	-24.67	-24.55	-24.28	-23.89	-23.28	-21.42	-19.34	-17.51
20-Apr-09	-23.67	-24.05	-24.24	-24.44	-24.36	-24.32	-24.17	-23.82	-23.21	-21.46	-19.34	-17.54
21-Apr-09	-23.18	-23.67	-23.94	-24.17	-24.09	-24.13	-23.94	-23.67	-23.18	-21.43	-19.38	-17.58
22-Apr-09	-22.62	-23.18	-23.52	-23.9	-23.86	-23.86	-23.78	-23.52	-23.07	-21.4	-19.41	-17.64
23-Apr-09	-22.15	-22.77	-23.18	-23.48	-23.6	-23.67	-23.56	-23.41	-22.99	-21.4	-19.41	-17.67
24-Apr-09	-21.75	-22.37	-22.77	-23.14	-23.26	-23.37	-23.33	-23.22	-22.88	-21.33	-19.45	-17.68
25-Apr-09	-21.4	-22.01	-22.44	-22.88	-23	-23.14	-23.14	-23.03	-22.77	-21.36	-19.45	-17.74
26-Apr-09	-21.05	-21.69	-22.15	-22.63	-22.74	-22.89	-22.92	-22.89	-22.66	-21.3	-19.45	-17.74
27-Apr-09	-20.6	-21.3	-21.76	-22.26	-22.45	-22.67	-22.74	-22.7	-22.52	-21.26	-19.46	-17.78
28-Apr-09	-20.07	-20.85	-21.41	-21.98	-22.16	-22.42	-22.53	-22.53	-22.38	-21.2	-19.47	-17.82
29-Apr-09	-19.36	-20.34	-21.02	-21.59	-21.84	-22.12	-22.31	-22.34	-22.27	-21.16	-19.53	-17.84
30-Apr-09	-18.93	-19.79	-20.57	-21.2	-21.55	-21.87	-22.05	-22.16	-22.12	-21.09	-19.49	-17.87
1-May-09	-18.67	-19.39	-20.16	-20.84	-21.19	-21.58	-21.76	-21.94	-21.97	-21.05	-19.46	-17.9
2-May-09	-18.49	-19.14	-19.9	-20.55	-20.89	-21.27	-21.56	-21.7	-21.84	-20.99	-19.47	-17.91
3-May-09	-18.1	-18.84	-19.56	-20.34	-20.61	-21.03	-21.27	-21.55	-21.69	-20.89	-19.43	-17.91
4-May-09	-17.85	-18.46	-19.27	-19.97	-20.34	-20.79	-21.07	-21.31	-21.49	-20.82	-19.4	-17.92
5-May-09	-17.56	-18.13	-19	-19.73	-20.06	-20.51	-20.85	-21.09	-21.38	-20.75	-19.43	-17.94
6-May-09	-17.31	-17.84	-18.74	-19.46	-19.82	-20.26	-20.67	-20.92	-21.16	-20.64	-19.39	-17.94
7-May-09	-17.31	-17.62	-18.55	-19.23	-19.59	-20.06	-20.37	-20.71	-20.99	-20.57	-19.4	-17.97
8-May-09	-17.18	-17.4	-18.41	-19.06	-19.39	-19.86	-20.2	-20.54	-20.85	-20.47	-19.33	-17.97
9-May-09	-17.09	-17.22	-18.23	-18.9	-19.23	-19.66	-20.03	-20.34	-20.68	-20.37	-19.33	-17.97
10-May-09	-17.03	-17.09	-18.1	-18.71	-19.07	-19.53	-19.86	-20.2	-20.54	-20.3	-19.26	-18
11-May-09	-16.94	-16.98	-17.98	-18.58	-18.91	-19.37	-19.7	-20	-20.37	-20.2	-19.23	-17.98
12-May-09	-16.76	-16.79	-17.82	-18.45	-18.81	-19.2	-19.5	-19.87	-20.24	-20.07	-19.2	-17.94

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.0 M	TH2_10 5.0 M	TH2_11 7.0 M	TH2_12 11.0 M
13-May-09	-16.43	-16.52	-17.63	-18.3	-18.62	-19.08	-19.37	-19.7	-20.07	-19.97	-19.14	-17.98
14-May-09	-16.07	-16.19	-17.39	-18.08	-18.43	-18.88	-19.21	-19.61	-19.97	-19.91	-19.14	-17.92
15-May-09	-15.74	-15.89	-17.17	-17.86	-18.24	-18.72	-19.08	-19.41	-19.81	-19.77	-19.04	-17.92
16-May-09	-15.47	-15.59	-16.89	-17.67	-18.05	-18.53	-18.91	-19.27	-19.71	-19.71	-19.01	-17.92
17-May-09	-15.29	-15.35	-16.65	-17.42	-17.86	-18.33	-18.75	-19.11	-19.57	-19.61	-18.98	-17.92
18-May-09	-15.08	-15.08	-16.49	-17.26	-17.66	-18.14	-18.52	-18.94	-19.4	-19.5	-18.88	-17.92
19-May-09	-14.86	-14.86	-16.23	-17.02	-17.45	-17.96	-18.37	-18.79	-19.28	-19.41	-18.86	-17.89
20-May-09	-14.34	-14.45	-15.93	-16.84	-17.24	-17.77	-18.18	-18.63	-19.15	-19.32	-18.82	-17.83
21-May-09	-13.66	-13.95	-15.61	-16.54	-17	-17.62	-18.03	-18.45	-19.03	-19.26	-18.74	-17.87
22-May-09	-13.01	-13.4	-15.16	-16.21	-16.72	-17.34	-17.84	-18.32	-18.9	-19.16	-18.67	-17.84
23-May-09	-12.61	-12.86	-14.72	-15.78	-16.44	-17.05	-17.55	-18.15	-18.73	-19.02	-18.63	-17.83
24-May-09	-12.58	-12.61	-14.4	-15.48	-16.08	-16.78	-17.33	-17.93	-18.6	-18.96	-18.6	-17.77
25-May-09	-12.32	-12.4	-14.19	-15.2	-15.86	-16.55	-17.13	-17.69	-18.42	-18.88	-18.52	-17.76
26-May-09	-11.58	-11.88	-13.84	-14.94	-15.59	-16.31	-16.89	-17.51	-18.23	-18.75	-18.49	-17.76
27-May-09	-10.71	-11.23	-13.37	-14.6	-15.27	-16.05	-16.65	-17.27	-18.08	-18.62	-18.4	-17.67
28-May-09	-9.69	-10.41	-12.78	-14.17	-14.95	-15.75	-16.38	-17.08	-17.92	-18.46	-18.34	-17.67
29-May-09	-8.93	-9.65	-12.1	-13.59	-14.48	-15.39	-16.07	-16.8	-17.7	-18.36	-18.24	-17.64
30-May-09	-8.46	-9.07	-11.53	-13.08	-13.99	-14.98	-15.78	-16.56	-17.55	-18.27	-18.21	-17.64
31-May-09	-7.95	-8.61	-11.01	-12.6	-13.56	-14.59	-15.39	-16.28	-17.29	-18.14	-18.14	-17.57
1-Jun-09	-7.45	-8.17	-10.52	-12.16	-13.17	-14.22	-15.07	-15.96	-17.08	-18.02	-18.08	-17.55
2-Jun-09	-6.928	-7.67	-10.04	-11.72	-12.72	-13.82	-14.72	-15.69	-16.83	-17.86	-17.99	-17.51
3-Jun-09	-6.512	-7.22	-9.58	-11.31	-12.36	-13.46	-14.37	-15.39	-16.62	-17.74	-17.93	-17.49
4-Jun-09	-6.14	-6.848	-9.15	-10.9	-11.94	-13.08	-14.02	-15.09	-16.32	-17.61	-17.86	-17.45
5-Jun-09	-6.035	-6.533	-8.86	-10.52	-11.61	-12.75	-13.71	-14.8	-16.11	-17.45	-17.76	-17.39
6-Jun-09	-5.878	-6.324	-8.56	-10.2	-11.31	-12.41	-13.37	-14.51	-15.87	-17.27	-17.67	-17.36
7-Jun-09	-5.621	-6.04	-8.33	-9.93	-11.01	-12.14	-13.09	-14.23	-15.6	-17.11	-17.61	-17.3
8-Jun-09	-5.339	-5.758	-8.07	-9.67	-10.72	-11.87	-12.81	-13.94	-15.37	-16.93	-17.49	-17.27
9-Jun-09	-5	-5.496	-7.83	-9.37	-10.48	-11.59	-12.53	-13.69	-15.13	-16.81	-17.4	-17.21
10-Jun-09	-4.661	-5.13	-7.54	-9.11	-10.18	-11.32	-12.28	-13.43	-14.9	-16.6	-17.3	-17.18
11-Jun-09	-4.383	-4.853	-7.26	-8.82	-9.92	-11.08	-12.04	-13.19	-14.67	-16.45	-17.22	-17.13
12-Jun-09	-4.071	-4.567	-6.973	-8.53	-9.65	-10.81	-11.77	-12.96	-14.44	-16.3	-17.1	-17.06
13-Jun-09	-3.785	-4.254	-6.632	-8.24	-9.36	-10.54	-11.49	-12.71	-14.24	-16.12	-17	-17
14-Jun-09	-3.468	-3.807	-6.288	-7.89	-9.06	-10.24	-11.22	-12.46	-14.01	-15.91	-16.91	-16.97
15-Jun-09	-3.205	-3.492	-5.972	-7.57	-8.74	-9.94	-10.91	-12.18	-13.78	-15.79	-16.78	-16.88
16-Jun-09	-2.965	-3.226	-5.653	-7.25	-8.41	-9.64	-10.64	-11.92	-13.55	-15.61	-16.66	-16.81
17-Jun-09	-2.761	-2.995	-5.396	-6.993	-8.18	-9.38	-10.34	-11.68	-13.29	-15.43	-16.54	-16.78
18-Jun-09	-2.579	-2.762	-5.188	-6.732	-7.89	-9.11	-10.07	-11.4	-13.07	-15.25	-16.45	-16.69
19-Jun-09	-2.345	-2.553	-4.953	-6.496	-7.65	-8.84	-9.83	-11.16	-12.84	-15.08	-16.33	-16.63
20-Jun-09	-2.116	-2.298	-4.697	-6.239	-7.42	-8.64	-9.54	-10.89	-12.63	-14.91	-16.21	-16.57
21-Jun-09	-1.907	-2.011	-4.462	-6.003	-7.18	-8.42	-9.36	-10.7	-12.4	-14.73	-16.12	-16.51
22-Jun-09	-1.698	-1.803	-4.254	-5.768	-6.947	-8.16	-9.12	-10.48	-12.21	-14.56	-16	-16.42
23-Jun-09	-1.515	-1.568	-4.019	-5.559	-6.737	-7.95	-8.9	-10.27	-11.99	-14.38	-15.88	-16.36
24-Jun-09	-1.385	-1.411	-3.837	-5.376	-6.527	-7.76	-8.66	-10.08	-11.77	-14.21	-15.76	-16.3
25-Jun-09	-1.202	-1.254	-3.654	-5.193	-6.344	-7.55	-8.45	-9.86	-11.57	-14.07	-15.61	-16.21
26-Jun-09	-0.9	-1.083	-3.483	-5.021	-6.171	-7.35	-8.25	-9.69	-11.39	-13.9	-15.53	-16.13
27-Jun-09	-0.586	-0.874	-3.274	-4.838	-5.987	-7.19	-8.06	-9.5	-11.2	-13.73	-15.38	-16.07
28-Jun-09	-0.261	-0.628	-3.056	-4.646	-5.795	-7	-7.87	-9.3	-11.03	-13.58	-15.26	-15.97
29-Jun-09	-0.047	-0.387	-2.867	-4.456	-5.604	-6.834	-7.68	-9.13	-10.85	-13.43	-15.16	-15.9
30-Jun-09	0.474	-0.155	-2.664	-4.254	-5.428	-6.632	-7.47	-8.93	-10.67	-13.27	-15.02	-15.79
1-Jul-09	0.402	0.061	-2.475	-4.066	-5.24	-6.444	-7.31	-8.76	-10.51	-13.13	-14.9	-15.76
2-Jul-09	0.11	0.189	-2.322	-3.912	-5.06	-6.289	-7.13	-8.61	-10.35	-12.96	-14.79	-15.64
3-Jul-09	0.265	0.238	-2.22	-3.785	-4.906	-6.134	-6.947	-8.42	-10.19	-12.79	-14.67	-15.55
4-Jul-09	0.168	0.325	-2.134	-3.699	-4.794	-5.97	-6.809	-8.26	-10.05	-12.68	-14.58	-15.49
5-Jul-09	0.146	0.382	-2.078	-3.591	-4.66	-5.862	-6.674	-8.15	-9.88	-12.51	-14.46	-15.43
6-Jul-09	-0.039	0.381	-2.001	-3.514	-4.583	-5.733	-6.518	-7.99	-9.72	-12.37	-14.35	-15.34
7-Jul-09	0.16	0.344	-1.985	-3.446	-4.488	-5.637	-6.396	-7.87	-9.6	-12.24	-14.24	-15.26
8-Jul-09	0.265	0.396	-1.959	-3.393	-4.41	-5.533	-6.265	-7.74	-9.46	-12.13	-14.12	-15.2
9-Jul-09	0.204	0.414	-1.89	-3.325	-4.316	-5.439	-6.171	-7.62	-9.34	-11.97	-14	-15.1
10-Jul-09	-0.09	0.435	-1.843	-3.278	-4.269	-5.366	-6.046	-7.49	-9.21	-11.87	-13.89	-15.02
11-Jul-09	0.122	0.384	-1.84	-3.222	-4.186	-5.281	-5.961	-7.4	-9.07	-11.75	-13.79	-14.91
12-Jul-09	0.356	0.461	-1.791	-3.174	-4.139	-5.183	-5.862	-7.28	-8.97	-11.62	-13.66	-14.84
13-Jul-09	0.277	0.435	-1.739	-3.096	-4.061	-5.13	-5.784	-7.17	-8.87	-11.48	-13.57	-14.75
14-Jul-09	0.226	0.488	-1.71	-3.04	-4.004	-5.047	-5.7	-7.09	-8.75	-11.39	-13.48	-14.68
15-Jul-09	0.856	0.462	-1.658	-3.014	-3.926	-4.969	-5.621	-7.01	-8.65	-11.28	-13.39	-14.62
16-Jul-09	1.224	0.541	-1.605	-2.962	-3.874	-4.89	-5.543	-6.931	-8.57	-11.17	-13.28	-14.54
17-Jul-09	1.106	0.632	-1.541	-2.872	-3.811	-4.828	-5.48	-6.842	-8.45	-11.05	-13.19	-14.47

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.0 M	TH2_10 5.0 M	TH2_11 7.0 M	TH2_12 11.0 M
18-Jul-09	0.895	0.658	-1.463	-2.82	-3.758	-4.749	-5.376	-6.763	-8.37	-10.95	-13.1	-14.38
19-Jul-09	1.014	0.646	-1.396	-2.753	-3.665	-4.682	-5.308	-6.668	-8.27	-10.85	-12.97	-14.31
20-Jul-09	1.33	0.646	-1.344	-2.675	-3.587	-4.604	-5.256	-6.59	-8.2	-10.76	-12.89	-14.25
21-Jul-09	1.361	0.729	-1.314	-2.618	-3.531	-4.547	-5.147	-6.481	-8.11	-10.65	-12.8	-14.16
22-Jul-09	1.217	0.691	-1.248	-2.554	-3.466	-4.457	-5.057	-6.417	-8	-10.56	-12.7	-14.06
23-Jul-09	0.921	0.737	-1.202	-2.481	-3.394	-4.384	-4.984	-6.318	-7.9	-10.46	-12.63	-13.98
24-Jul-09	0.86	0.649	-1.158	-2.437	-3.349	-4.314	-4.94	-6.246	-7.82	-10.36	-12.52	-13.93
25-Jul-09	1.435	0.698	-1.135	-2.414	-3.3	-4.265	-4.864	-6.171	-7.75	-10.28	-12.44	-13.85
26-Jul-09	1.775	0.749	-1.111	-2.364	-3.25	-4.214	-4.814	-6.094	-7.67	-10.2	-12.36	-13.79
27-Jul-09	2.081	0.79	-1.071	-2.324	-3.185	-4.15	-4.749	-6.03	-7.58	-10.11	-12.26	-13.72
28-Jul-09	1.54	0.802	-1.059	-2.287	-3.148	-4.113	-4.687	-5.967	-7.52	-10.02	-12.2	-13.63
29-Jul-09	0.802	0.802	-1.033	-2.235	-3.096	-4.06	-4.608	-5.888	-7.44	-9.94	-12.12	-13.55
30-Jul-09	0.487	0.724	-1.007	-2.183	-3.043	-3.982	-4.556	-5.836	-7.36	-9.86	-12.03	-13.49
31-Jul-09	0.659	0.816	-0.993	-2.168	-3.002	-3.941	-4.489	-5.768	-7.29	-9.78	-11.96	-13.44
1-Aug-09	1.076	0.866	-0.969	-2.118	-2.979	-3.891	-4.439	-5.718	-7.21	-9.68	-11.88	-13.36
2-Aug-09	1.317	0.869	-0.966	-2.115	-2.95	-3.862	-4.41	-5.637	-7.16	-9.62	-11.79	-13.3
3-Aug-09	1.646	0.935	-0.952	-2.101	-2.909	-3.795	-4.343	-5.595	-7.09	-9.55	-11.72	-13.22
4-Aug-09	2.015	0.961	-0.926	-2.075	-2.857	-3.769	-4.317	-5.543	-7.04	-9.47	-11.61	-13.17
5-Aug-09	2.148	1.014	-0.9	-2.022	-2.831	-3.717	-4.264	-5.49	-6.983	-9.39	-11.58	-13.08
6-Aug-09	2.108	1.079	-0.888	-1.985	-2.794	-3.68	-4.202	-5.428	-6.895	-9.33	-11.49	-13.05
7-Aug-09	2.081	1.079	-0.862	-1.959	-2.768	-3.654	-4.176	-5.376	-6.842	-9.25	-11.44	-12.96
8-Aug-09	1.659	1.079	-0.836	-1.933	-2.716	-3.602	-4.123	-5.324	-6.79	-9.17	-11.35	-12.91
9-Aug-09	1.87	1.106	-0.81	-1.907	-2.69	-3.576	-4.071	-5.271	-6.711	-9.12	-11.3	-12.85
10-Aug-09	1.843	1.158	-0.783	-1.881	-2.664	-3.524	-4.019	-5.219	-6.658	-9.04	-11.22	-12.77
11-Aug-09	1.899	1.187	-0.781	-1.852	-2.635	-3.495	-3.991	-5.165	-6.604	-8.98	-11.16	-12.71
12-Aug-09	1.646	1.251	-0.745	-1.816	-2.599	-3.434	-3.93	-5.104	-6.543	-8.92	-11.07	-12.64
13-Aug-09	1.129	1.208	-0.682	-1.807	-2.564	-3.399	-3.895	-5.069	-6.482	-8.86	-11.01	-12.58
14-Aug-09	0.693	1.166	-0.723	-1.769	-2.526	-3.36	-3.856	-5.03	-6.442	-8.79	-10.97	-12.54
15-Aug-09	0.829	1.197	-0.693	-1.739	-2.496	-3.33	-3.826	-4.948	-6.386	-8.71	-10.91	-12.48
16-Aug-09	0.979	1.269	-0.674	-1.719	-2.476	-3.311	-3.78	-4.928	-6.339	-8.69	-10.83	-12.43
17-Aug-09	1.145	1.303	-0.693	-1.713	-2.444	-3.278	-3.722	-4.869	-6.281	-8.6	-10.77	-12.34
18-Aug-09	1.035	1.325	-0.671	-1.664	-2.421	-3.256	-3.699	-4.847	-6.232	-8.55	-10.7	-12.29
19-Aug-09	1.039	1.329	-0.667	-1.66	-2.391	-3.2	-3.669	-4.791	-6.203	-8.49	-10.67	-12.26
20-Aug-09	0.908	1.303	-0.667	-1.66	-2.365	-3.174	-3.617	-4.765	-6.15	-8.44	-10.58	-12.2
21-Aug-09	0.841	1.315	-0.628	-1.623	-2.354	-3.163	-3.606	-4.676	-6.088	-8.38	-10.52	-12.14
22-Aug-09	0.5	1.263	-0.628	-1.623	-2.328	-3.111	-3.554	-4.676	-6.062	-8.33	-10.47	-12.08
23-Aug-09	0.244	1.217	-0.622	-1.59	-2.321	-3.104	-3.522	-4.644	-6.003	-8.27	-10.41	-12.05
24-Aug-09	0.027	1.157	-0.628	-1.596	-2.302	-3.084	-3.502	-4.624	-5.957	-8.22	-10.36	-11.97
25-Aug-09	0.093	1.171	-0.64	-1.556	-2.287	-3.069	-3.487	-4.582	-5.888	-8.18	-10.29	-11.92
26-Aug-09	0.456	1.219	-0.645	-1.56	-2.265	-3.048	-3.439	-4.534	-5.866	-8.13	-10.26	-11.87
27-Aug-09	0.894	1.289	-0.628	-1.569	-2.273	-3.03	-3.421	-4.516	-5.847	-8.08	-10.19	-11.82
28-Aug-09	1.501	1.395	-0.626	-1.568	-2.272	-3.029	-3.42	-4.489	-5.794	-8.03	-10.16	-11.77
29-Aug-09	1.434	1.593	-0.64	-1.556	-2.235	-2.991	-3.382	-4.452	-5.758	-7.96	-10.1	-11.73
30-Aug-09	1.276	1.593	-0.641	-1.556	-2.235	-2.965	-3.356	-4.426	-5.732	-7.94	-10.04	-11.68
31-Aug-09	0.83	1.567	-0.613	-1.555	-2.234	-2.964	-3.329	-4.399	-5.678	-7.88	-9.99	-11.65
1-Sep-09	0.618	1.487	-0.588	-1.53	-2.209	-2.965	-3.33	-4.373	-5.679	-7.86	-9.94	-11.57
2-Sep-09	0.648	1.437	-0.612	-1.527	-2.206	-2.937	-3.302	-4.345	-5.625	-7.8	-9.91	-11.54
3-Sep-09	0.751	1.435	-0.613	-1.529	-2.182	-2.912	-3.277	-4.321	-5.6	-7.75	-9.85	-11.48
4-Sep-09	0.578	1.421	-0.602	-1.518	-2.171	-2.902	-3.267	-4.284	-5.564	-7.72	-9.79	-11.45
5-Sep-09	0.219	1.35	-0.594	-1.484	-2.163	-2.868	-3.234	-4.251	-5.531	-7.68	-9.76	-11.39
6-Sep-09	-0.223	1.275	-0.59	-1.48	-2.16	-2.865	-3.204	-4.195	-5.502	-7.63	-9.7	-11.3
7-Sep-09	-0.388	1.241	-0.571	-1.487	-2.114	-2.845	-3.184	-4.202	-5.482	-7.58	-9.65	-11.28
8-Sep-09	-0.407	1.196	-0.616	-1.454	-2.107	-2.838	-3.178	-4.169	-5.449	-7.55	-9.6	-11.25
9-Sep-09	-0.407	1.249	-0.616	-1.454	-2.107	-2.812	-3.126	-4.169	-5.397	-7.5	-9.57	-11.19
10-Sep-09	-0.433	1.302	-0.616	-1.48	-2.107	-2.76	-3.125	-4.117	-5.345	-7.47	-9.52	-11.16
11-Sep-09	-0.421	1.341	-0.604	-1.468	-2.096	-2.775	-3.088	-4.106	-5.334	-7.43	-9.45	-11.1
12-Sep-09	-0.447	1.367	-0.631	-1.468	-2.096	-2.775	-3.088	-4.054	-5.308	-7.35	-9.43	-11.05
13-Sep-09	-0.453	1.387	-0.637	-1.448	-2.076	-2.781	-3.094	-4.06	-5.287	-7.36	-9.4	-11.02
14-Sep-09	-0.459	1.381	-0.669	-1.48	-2.081	-2.76	-3.073	-4.065	-5.266	-7.31	-9.35	-10.97
15-Sep-09	-0.494	1.346	-0.703	-1.488	-2.089	-2.768	-3.081	-4.046	-5.247	-7.29	-9.31	-10.95
16-Sep-09	-0.485	1.355	-0.695	-1.506	-2.107	-2.76	-3.047	-4.013	-5.214	-7.26	-9.27	-10.89
17-Sep-09	-0.485	1.407	-0.774	-1.532	-2.133	-2.76	-3.047	-4.013	-5.214	-7.21	-9.25	-10.86
18-Sep-09	-0.487	1.38	-0.776	-1.535	-2.137	-2.764	-3.051	-3.965	-5.167	-7.13	-9.2	-10.79
19-Sep-09	-0.514	1.407	-0.881	-1.614	-2.137	-2.79	-3.051	-3.991	-5.141	-7.13	-9.18	-10.77
20-Sep-09	-0.592	1.407	-0.933	-1.64	-2.163	-2.79	-3.025	-3.991	-5.141	-7.11	-9.12	-10.74
21-Sep-09	-0.895	1.393	-1.026	-1.707	-2.23	-2.778	-3.04	-3.98	-5.104	-7.07	-9.06	-10.7

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.0 M	TH2_10 5.0 M	TH2_11 7.0 M	TH2_12 11.0 M
22-Sep-09	-2.02	0.84	-1.208	-1.81	-2.281	-2.856	-3.065	-3.979	-5.103	-7.04	-9.03	-10.65
23-Sep-09	-3.025	0.169	-1.692	-2.032	-2.372	-2.92	-3.103	-3.991	-5.088	-7.03	-9.02	-10.63
24-Sep-09	-3.473	-0.387	-2.167	-2.324	-2.585	-3.029	-3.16	-4.021	-5.093	-7.01	-8.97	-10.58
25-Sep-09	-3.652	-0.435	-2.607	-2.685	-2.816	-3.182	-3.26	-4.043	-5.115	-6.976	-8.94	-10.55
26-Sep-09	-4.008	-0.609	-2.859	-2.963	-3.068	-3.381	-3.381	-4.139	-5.132	-6.942	-8.9	-10.51
27-Sep-09	-4.482	-1.006	-3.228	-3.228	-3.333	-3.568	-3.515	-4.195	-5.136	-6.919	-8.88	-10.46
28-Sep-09	-4.722	-1.3	-3.547	-3.521	-3.547	-3.756	-3.678	-4.304	-5.193	-6.924	-8.83	-10.44
29-Sep-09	-4.853	-1.561	-3.756	-3.756	-3.782	-3.965	-3.782	-4.409	-5.271	-6.897	-8.83	-10.41
30-Sep-09	-4.937	-1.698	-3.996	-3.996	-4.023	-4.101	-3.97	-4.519	-5.303	-6.876	-8.78	-10.36
1-Oct-09	-4.811	-1.861	-4.159	-4.132	-4.185	-4.315	-4.132	-4.629	-5.36	-6.881	-8.76	-10.34
2-Oct-09	-4.681	-1.756	-4.211	-4.289	-4.315	-4.472	-4.263	-4.759	-5.465	-6.934	-8.73	-10.31
3-Oct-09	-4.822	-1.791	-4.247	-4.378	-4.456	-4.587	-4.378	-4.848	-5.528	-6.919	-8.66	-10.27
4-Oct-09	-5.287	-1.994	-4.372	-4.477	-4.555	-4.66	-4.477	-4.947	-5.601	-6.94	-8.69	-10.21
5-Oct-09	-5.706	-2.36	-4.607	-4.607	-4.633	-4.79	-4.581	-4.999	-5.68	-6.94	-8.66	-10.19
6-Oct-09	-5.948	-2.576	-4.848	-4.822	-4.822	-4.927	-4.718	-5.136	-5.738	-6.972	-8.61	-10.14
7-Oct-09	-5.952	-2.738	-5.062	-5.01	-4.984	-5.062	-4.827	-5.245	-5.795	-7	-8.64	-10.14
8-Oct-09	-6.027	-2.808	-5.162	-5.109	-5.109	-5.162	-4.952	-5.319	-5.843	-7.03	-8.61	-10.09
9-Oct-09	-6.525	-3.069	-5.345	-5.292	-5.266	-5.292	-5.057	-5.397	-5.895	-7.03	-8.59	-10.09
10-Oct-09	-7.13	-3.488	-5.607	-5.45	-5.424	-5.45	-5.162	-5.476	-6	-7.05	-8.56	-10.03
11-Oct-09	-7.58	-3.932	-5.974	-5.712	-5.607	-5.607	-5.319	-5.607	-6.053	-7.08	-8.56	-10.03
12-Oct-09	-8.02	-4.34	-6.279	-6.016	-5.833	-5.754	-5.439	-5.728	-6.121	-7.07	-8.55	-10
13-Oct-09	-8.29	-4.71	-6.623	-6.281	-6.071	-5.993	-5.6	-5.835	-6.203	-7.12	-8.55	-9.97
14-Oct-09	-8.11	-4.801	-6.794	-6.531	-6.32	-6.189	-5.769	-5.927	-6.294	-7.16	-8.57	-9.93
15-Oct-09	-8.41	-4.91	-6.956	-6.693	-6.509	-6.378	-5.932	-6.089	-6.43	-7.19	-8.57	-9.94
16-Oct-09	-8.48	-5.109	-7.1	-6.841	-6.683	-6.499	-6.105	-6.237	-6.473	-7.21	-8.53	-9.93
17-Oct-09	-8.88	-5.293	-7.29	-7	-6.816	-6.658	-6.264	-6.369	-6.579	-7.26	-8.54	-9.88
18-Oct-09	-9.65	-5.754	-7.6	-7.2	-6.989	-6.858	-6.384	-6.515	-6.673	-7.33	-8.55	-9.89
19-Oct-09	-10.13	-6.226	-7.97	-7.52	-7.2	-7.02	-6.568	-6.594	-6.805	-7.36	-8.55	-9.86
20-Oct-09	-10.25	-6.526	-8.29	-7.82	-7.47	-7.21	-6.71	-6.762	-6.92	-7.39	-8.56	-9.87
21-Oct-09	-10.29	-6.691	-8.49	-8.04	-7.72	-7.43	-6.928	-6.902	-7.01	-7.43	-8.6	-9.86
22-Oct-09	-10.78	-6.933	-8.71	-8.23	-7.88	-7.62	-7.09	-7.06	-7.14	-7.49	-8.57	-9.81
23-Oct-09	-11.04	-7.23	-9.01	-8.48	-8.11	-7.82	-7.26	-7.21	-7.23	-7.58	-8.59	-9.84
24-Oct-09	-11.65	-7.61	-9.31	-8.75	-8.32	-8.01	-7.42	-7.37	-7.34	-7.66	-8.62	-9.8
25-Oct-09	-12.09	-8.03	-9.63	-9.02	-8.56	-8.22	-7.63	-7.53	-7.48	-7.66	-8.62	-9.82
26-Oct-09	-12.29	-8.38	-9.96	-9.32	-8.86	-8.46	-7.82	-7.67	-7.59	-7.77	-8.65	-9.8
27-Oct-09	-12.37	-8.62	-10.2	-9.58	-9.13	-8.67	-8.04	-7.85	-7.72	-7.8	-8.65	-9.8
28-Oct-09	-12.48	-8.78	-10.39	-9.8	-9.34	-8.94	-8.25	-8.01	-7.85	-7.88	-8.67	-9.83
29-Oct-09	-12.7	-8.96	-10.57	-9.98	-9.52	-9.12	-8.45	-8.21	-8	-7.97	-8.72	-9.81
30-Oct-09	-13.2	-9.28	-10.84	-10.19	-9.71	-9.28	-8.61	-8.34	-8.13	-8.02	-8.74	-9.79
31-Oct-09	-13.52	-9.52	-11.12	-10.47	-9.92	-9.49	-8.82	-8.53	-8.29	-8.08	-8.74	-9.79
1-Nov-09	-13.86	-9.79	-11.36	-10.71	-10.16	-9.71	-8.98	-8.69	-8.42	-8.18	-8.82	-9.79
2-Nov-09	-14.24	-10.09	-11.65	-10.93	-10.39	-9.9	-9.18	-8.86	-8.59	-8.24	-8.8	-9.79
3-Nov-09	-15.09	-10.61	-12.04	-11.24	-10.66	-10.15	-9.39	-9.04	-8.7	-8.35	-8.86	-9.79
4-Nov-09	-15.84	-11.27	-12.55	-11.66	-11	-10.4	-9.64	-9.21	-8.84	-8.44	-8.89	-9.8
5-Nov-09	-16.23	-11.76	-13.02	-12.07	-11.35	-10.69	-9.85	-9.42	-8.99	-8.51	-8.94	-9.83
6-Nov-09	-16.36	-12.13	-13.37	-12.44	-11.69	-11	-10.13	-9.65	-9.16	-8.63	-8.95	-9.81
7-Nov-09	-16.34	-12.34	-13.61	-12.73	-12.01	-11.32	-10.39	-9.88	-9.31	-8.73	-8.99	-9.82
8-Nov-09	-16.15	-12.34	-13.75	-12.95	-12.28	-11.59	-10.68	-10.09	-9.52	-8.8	-9.04	-9.84
9-Nov-09	-16.23	-12.43	-13.84	-13.1	-12.43	-11.79	-10.88	-10.34	-9.69	-8.89	-9.07	-9.85
10-Nov-09	-16.69	-12.71	-14.05	-13.25	-12.6	-11.96	-11.11	-10.53	-9.88	-9	-9.13	-9.88
11-Nov-09	-16.85	-12.95	-14.29	-13.49	-12.81	-12.19	-11.28	-10.73	-10.06	-9.11	-9.2	-9.89
12-Nov-09	-16.71	-13.05	-14.5	-13.7	-13.02	-12.37	-11.46	-10.88	-10.23	-9.24	-9.24	-9.88
13-Nov-09	-16.17	-12.94	-14.45	-13.82	-13.16	-12.54	-11.66	-11.08	-10.37	-9.35	-9.29	-9.91
14-Nov-09	-15.57	-12.63	-14.28	-13.76	-13.22	-12.66	-11.85	-11.25	-10.54	-9.46	-9.38	-9.92
15-Nov-09	-14.93	-12.25	-14.05	-13.65	-13.23	-12.69	-11.91	-11.36	-10.71	-9.6	-9.41	-9.98
16-Nov-09	-14.35	-11.84	-13.78	-13.49	-13.12	-12.7	-12	-11.48	-10.85	-9.66	-9.47	-9.98
17-Nov-09	-13.6	-11.36	-13.37	-13.26	-13	-12.64	-12	-11.55	-10.92	-9.79	-9.52	-10.03
18-Nov-09	-13.49	-11.07	-13.07	-13.01	-12.82	-12.56	-12.01	-11.62	-11.04	-9.93	-9.61	-10.01
19-Nov-09	-14.25	-11.22	-13.05	-12.91	-12.69	-12.46	-11.91	-11.6	-11.11	-9.99	-9.67	-10.05
20-Nov-09	-15.24	-11.73	-13.33	-12.99	-12.68	-12.43	-11.9	-11.62	-11.15	-10.09	-9.71	-10.09
21-Nov-09	-16.26	-12.38	-13.79	-13.25	-12.83	-12.49	-11.96	-11.63	-11.19	-10.15	-9.8	-10.13
22-Nov-09	-16.73	-12.92	-14.29	-13.63	-13.09	-12.67	-12.03	-11.69	-11.25	-10.25	-9.87	-10.19
23-Nov-09	-16.79	-13.18	-14.61	-13.92	-13.38	-12.87	-12.22	-11.78	-11.34	-10.33	-9.92	-10.17
24-Nov-09	-16.53	-13.28	-14.74	-14.13	-13.59	-13.08	-12.35	-11.9	-11.41	-10.4	-9.97	-10.21
25-Nov-09	-16.01	-13.05	-14.71	-14.21	-13.76	-13.21	-12.51	-12.04	-11.51	-10.48	-10.04	-10.26
26-Nov-09	-15.74	-12.85	-14.56	-14.19	-13.73	-13.33	-12.62	-12.18	-11.62	-10.53	-10.1	-10.31

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.0 M	TH2_10 5.0 M	TH2_11 7.0 M	TH2_12 11.0 M
27-Nov-09	-15.57	-12.71	-14.48	-14.13	-13.79	-13.36	-12.69	-12.27	-11.71	-10.62	-10.16	-10.32
28-Nov-09	-15.18	-12.57	-14.33	-14.07	-13.73	-13.36	-12.76	-12.34	-11.79	-10.72	-10.2	-10.34
29-Nov-09	-15.14	-12.45	-14.24	-13.98	-13.69	-13.35	-12.79	-12.45	-11.9	-10.82	-10.28	-10.39
30-Nov-09	-15.48	-12.52	-14.22	-13.94	-13.65	-13.36	-12.8	-12.46	-11.96	-10.83	-10.32	-10.43
1-Dec-09	-16.15	-12.84	-14.43	-14.06	-13.69	-13.37	-12.81	-12.5	-12	-10.92	-10.38	-10.46
2-Dec-09	-16.52	-13.18	-14.67	-14.21	-13.81	-13.43	-12.9	-12.53	-12.06	-11.01	-10.41	-10.52
3-Dec-09	-16.52	-13.38	-14.88	-14.38	-13.95	-13.58	-12.98	-12.62	-12.17	-11.07	-10.47	-10.53
4-Dec-09	-16.2	-13.34	-14.92	-14.54	-14.08	-13.71	-13.05	-12.72	-12.21	-11.11	-10.54	-10.59
5-Dec-09	-15.61	-13.03	-14.84	-14.49	-14.14	-13.77	-13.17	-12.8	-12.27	-11.19	-10.59	-10.59
6-Dec-09	-16.31	-13.1	-14.74	-14.42	-14.1	-13.78	-13.21	-12.82	-12.34	-11.26	-10.63	-10.63
7-Dec-09	-17.38	-13.68	-15.07	-14.58	-14.14	-13.8	-13.22	-12.89	-12.38	-11.33	-10.7	-10.67
8-Dec-09	-18.45	-14.36	-15.54	-14.89	-14.36	-13.93	-13.3	-12.96	-12.46	-11.37	-10.74	-10.72
9-Dec-09	-19.6	-15.19	-16.21	-15.34	-14.69	-14.14	-13.45	-13.05	-12.52	-11.44	-10.81	-10.73
10-Dec-09	-20.5	-15.94	-16.86	-15.82	-15.08	-14.43	-13.68	-13.17	-12.61	-11.52	-10.86	-10.78
11-Dec-09	-21.66	-16.8	-17.55	-16.38	-15.53	-14.76	-13.92	-13.35	-12.73	-11.59	-10.9	-10.82
12-Dec-09	-22.28	-17.56	-18.26	-16.97	-16.02	-15.15	-14.25	-13.59	-12.85	-11.62	-10.96	-10.83
13-Dec-09	-22.5	-18	-18.74	-17.5	-16.47	-15.6	-14.57	-13.82	-13.02	-11.73	-10.99	-10.88
14-Dec-09	-22.53	-18.32	-19.09	-17.87	-16.9	-15.96	-14.92	-14.07	-13.19	-11.82	-11.05	-10.91
15-Dec-09	-21.59	-18.13	-19.16	-18.1	-17.18	-16.26	-15.22	-14.34	-13.39	-11.91	-11.11	-10.94
16-Dec-09	-20.85	-17.74	-18.96	-18.12	-17.34	-16.47	-15.48	-14.6	-13.59	-11.99	-11.16	-11
17-Dec-09	-20.54	-17.46	-18.77	-18.06	-17.34	-16.63	-15.63	-14.8	-13.79	-12.13	-11.24	-11.03
18-Dec-09	-20.32	-17.3	-18.63	-18.02	-17.33	-16.65	-15.74	-14.97	-13.95	-12.23	-11.29	-11.07
19-Dec-09	-20.42	-17.29	-18.62	-17.95	-17.32	-16.7	-15.82	-15.11	-14.12	-12.36	-11.37	-11.09
20-Dec-09	-19.71	-17.11	-18.53	-17.92	-17.35	-16.77	-15.89	-15.2	-14.21	-12.45	-11.43	-11.15
21-Dec-09	-19.38	-16.71	-18.24	-17.79	-17.26	-16.74	-15.95	-15.26	-14.35	-12.56	-11.48	-11.2
22-Dec-09	-19.81	-16.76	-18.17	-17.66	-17.19	-16.7	-15.94	-15.34	-14.43	-12.66	-11.58	-11.22
23-Dec-09	-20.33	-17.08	-18.31	-17.74	-17.17	-16.68	-15.95	-15.35	-14.53	-12.76	-11.64	-11.26
24-Dec-09	-20.72	-17.34	-18.54	-17.87	-17.27	-16.75	-16.02	-15.42	-14.6	-12.85	-11.7	-11.32
25-Dec-09	-21.41	-17.84	-18.9	-18.06	-17.43	-16.84	-16.14	-15.48	-14.69	-12.97	-11.77	-11.35
26-Dec-09	-21.13	-17.94	-19.07	-18.32	-17.62	-17	-16.21	-15.58	-14.75	-13.03	-11.85	-11.39
27-Dec-09	-20.73	-17.83	-19.05	-18.37	-17.76	-17.14	-16.34	-15.68	-14.85	-13.12	-11.92	-11.45
28-Dec-09	-20.98	-17.89	-19.05	-18.4	-17.83	-17.2	-16.47	-15.77	-14.94	-13.21	-11.98	-11.48
29-Dec-09	-21.31	-18.06	-19.17	-18.48	-17.87	-17.28	-16.51	-15.87	-15.04	-13.27	-12.04	-11.54
30-Dec-09	-21.95	-18.45	-19.43	-18.68	-18	-17.37	-16.63	-15.96	-15.1	-13.36	-12.12	-11.57
31-Dec-09	-22.71	-18.92	-19.78	-18.89	-18.18	-17.51	-16.73	-16.06	-15.2	-13.46	-12.19	-11.63
1-Jan-10	-23.7	-19.57	-20.28	-19.24	-18.45	-17.72	-16.91	-16.18	-15.28	-13.53	-12.27	-11.68
2-Jan-10	-23.71	-20.01	-20.76	-19.64	-18.78	-18.01	-17.1	-16.33	-15.4	-13.62	-12.32	-11.74
3-Jan-10	-23.57	-20.09	-20.91	-19.96	-19.06	-18.25	-17.33	-16.5	-15.5	-13.7	-12.4	-11.79
4-Jan-10	-23.27	-19.99	-20.95	-20.06	-19.26	-18.47	-17.52	-16.68	-15.65	-13.78	-12.45	-11.83
5-Jan-10	-23.89	-20.24	-21.1	-20.14	-19.37	-18.58	-17.69	-16.85	-15.81	-13.88	-12.52	-11.87
6-Jan-10	-24.15	-20.53	-21.33	-20.39	-19.55	-18.76	-17.83	-16.98	-15.94	-13.97	-12.61	-11.94
7-Jan-10	-24.86	-20.95	-21.65	-20.6	-19.75	-18.95	-17.98	-17.14	-16.06	-14.06	-12.66	-11.96
8-Jan-10	-25.5	-21.44	-22.08	-20.91	-20.02	-19.15	-18.18	-17.29	-16.18	-14.17	-12.72	-12.02
9-Jan-10	-25.91	-21.9	-22.49	-21.26	-20.33	-19.38	-18.4	-17.48	-16.34	-14.26	-12.8	-12.05
10-Jan-10	-26.17	-22.23	-22.82	-21.62	-20.6	-19.68	-18.63	-17.67	-16.49	-14.35	-12.86	-12.13
11-Jan-10	-26.38	-22.5	-23.13	-21.88	-20.89	-19.93	-18.87	-17.87	-16.65	-14.48	-12.93	-12.17
12-Jan-10	-26.3	-22.6	-23.27	-22.09	-21.13	-20.16	-19.09	-18.06	-16.8	-14.59	-13.01	-12.22
13-Jan-10	-26.42	-22.71	-23.42	-22.3	-21.33	-20.36	-19.32	-18.24	-16.98	-14.7	-13.09	-12.27
14-Jan-10	-26.71	-22.92	-23.6	-22.44	-21.47	-20.56	-19.47	-18.43	-17.16	-14.81	-13.16	-12.32
15-Jan-10	-26.99	-23.25	-23.86	-22.69	-21.67	-20.72	-19.67	-18.61	-17.31	-14.92	-13.25	-12.38
16-Jan-10	-26.51	-23.2	-23.96	-22.83	-21.88	-20.92	-19.86	-18.8	-17.46	-15.03	-13.32	-12.42
17-Jan-10	-26.67	-23.2	-23.92	-22.9	-22.02	-21.05	-20.02	-18.96	-17.61	-15.17	-13.4	-12.5
18-Jan-10	-27.04	-23.44	-24.1	-23.03	-22.11	-21.18	-20.18	-19.1	-17.78	-15.27	-13.5	-12.54
19-Jan-10	-27.79	-23.87	-24.37	-23.22	-22.25	-21.32	-20.31	-19.24	-17.94	-15.39	-13.56	-12.59
20-Jan-10	-28.16	-24.27	-24.74	-23.5	-22.49	-21.55	-20.47	-19.42	-18.05	-15.53	-13.66	-12.67
21-Jan-10	-28.15	-24.46	-24.98	-23.76	-22.75	-21.73	-20.64	-19.55	-18.21	-15.64	-13.74	-12.69
22-Jan-10	-28.03	-24.55	-25.15	-23.92	-22.94	-21.95	-20.85	-19.76	-18.34	-15.77	-13.81	-12.76
23-Jan-10	-27.86	-24.52	-25.16	-24.01	-23.1	-22.1	-21	-19.9	-18.48	-15.87	-13.93	-12.82
24-Jan-10	-27.33	-24.32	-25.11	-24.09	-23.17	-22.24	-21.17	-20.07	-18.64	-15.99	-13.99	-12.88
25-Jan-10	-27.03	-24.13	-24.95	-24.05	-23.21	-22.32	-21.28	-20.21	-18.78	-16.14	-14.08	-12.96
26-Jan-10	-26.49	-23.87	-24.81	-23.98	-23.18	-22.33	-21.36	-20.32	-18.92	-16.22	-14.18	-13.01
27-Jan-10	-26.07	-23.52	-24.53	-23.83	-23.11	-22.33	-21.43	-20.42	-19.05	-16.34	-14.26	-13.06
28-Jan-10	-25.68	-23.24	-24.32	-23.66	-22.98	-22.32	-21.42	-20.44	-19.13	-16.44	-14.36	-13.13
29-Jan-10	-26.05	-23.27	-24.19	-23.54	-22.9	-22.24	-21.41	-20.5	-19.22	-16.56	-14.47	-13.21
30-Jan-10	-26.56	-23.56	-24.37	-23.59	-22.88	-22.22	-21.39	-20.52	-19.31	-16.67	-14.55	-13.28
31-Jan-10	-26.3	-23.55	-24.48	-23.7	-22.94	-22.28	-21.45	-20.55	-19.33	-16.78	-14.63	-13.33

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.0 M	TH2_10 5.0 M	TH2_11 7.0 M	TH2_12 11.0 M
1-Feb-10	-26.38	-23.5	-24.43	-23.69	-23.01	-22.31	-21.52	-20.61	-19.42	-16.9	-14.71	-13.38
2-Feb-10	-26.61	-23.67	-24.57	-23.75	-23.03	-22.36	-21.57	-20.66	-19.47	-16.98	-14.81	-13.48
3-Feb-10	-26.22	-23.66	-24.55	-23.82	-23.13	-22.43	-21.63	-20.72	-19.56	-17.06	-14.89	-13.53
4-Feb-10	-26.26	-23.58	-24.51	-23.81	-23.13	-22.46	-21.66	-20.78	-19.63	-17.15	-14.97	-13.61
5-Feb-10	-26.67	-23.72	-24.54	-23.8	-23.15	-22.48	-21.72	-20.84	-19.71	-17.23	-15.05	-13.68
6-Feb-10	-27.11	-24.04	-24.75	-23.93	-23.24	-22.53	-21.77	-20.89	-19.76	-17.3	-15.12	-13.72
7-Feb-10	-26.98	-24.12	-24.91	-24.08	-23.31	-22.64	-21.84	-20.95	-19.82	-17.36	-15.21	-13.81
8-Feb-10	-27.06	-24.2	-24.95	-24.16	-23.43	-22.71	-21.91	-21.02	-19.89	-17.46	-15.26	-13.86
9-Feb-10	-27.2	-24.32	-25.07	-24.24	-23.47	-22.76	-21.95	-21.1	-19.93	-17.5	-15.36	-13.93
10-Feb-10	-27.03	-24.32	-25.11	-24.28	-23.55	-22.87	-22.06	-21.17	-20.03	-17.59	-15.42	-13.96
11-Feb-10	-26.94	-24.28	-25.07	-24.32	-23.62	-22.94	-22.14	-21.24	-20.1	-17.65	-15.48	-14.07
12-Feb-10	-26.78	-24.25	-25.08	-24.33	-23.67	-22.99	-22.18	-21.36	-20.15	-17.73	-15.58	-14.12
13-Feb-10	-26.24	-23.99	-24.93	-24.3	-23.68	-23	-22.23	-21.37	-20.26	-17.8	-15.65	-14.16
14-Feb-10	-25.73	-23.59	-24.68	-24.17	-23.55	-22.99	-22.25	-21.43	-20.28	-17.88	-15.73	-14.23
15-Feb-10	-25.42	-23.42	-24.5	-23.99	-23.5	-22.93	-22.23	-21.48	-20.33	-17.96	-15.78	-14.28
16-Feb-10	-24.98	-23.08	-24.23	-23.84	-23.38	-22.86	-22.2	-21.48	-20.4	-18.03	-15.84	-14.39
17-Feb-10	-24.54	-22.75	-24	-23.65	-23.2	-22.79	-22.2	-21.41	-20.44	-18.13	-15.93	-14.4
18-Feb-10	-24.32	-22.46	-23.7	-23.43	-23.06	-22.65	-22.1	-21.38	-20.44	-18.16	-15.99	-14.45
19-Feb-10	-25.17	-22.66	-23.68	-23.3	-22.92	-22.52	-22	-21.36	-20.45	-18.2	-16.06	-14.54
20-Feb-10	-26.37	-23.34	-24.06	-23.45	-22.96	-22.48	-21.93	-21.33	-20.45	-18.26	-16.12	-14.57
21-Feb-10	-27.28	-24	-24.55	-23.77	-23.12	-22.57	-21.98	-21.3	-20.47	-18.28	-16.19	-14.65
22-Feb-10	-27.49	-24.42	-25.02	-24.11	-23.38	-22.74	-22.08	-21.37	-20.46	-18.34	-16.25	-14.7
23-Feb-10	-27.65	-24.65	-25.25	-24.37	-23.6	-22.96	-22.22	-21.43	-20.49	-18.37	-16.28	-14.76
24-Feb-10	-26.84	-24.51	-25.31	-24.55	-23.81	-23.09	-22.35	-21.56	-20.54	-18.45	-16.33	-14.81
25-Feb-10	-25.71	-23.88	-24.94	-24.47	-23.81	-23.24	-22.46	-21.7	-20.68	-18.48	-16.38	-14.86
26-Feb-10	-25.23	-23.35	-24.51	-24.16	-23.65	-23.16	-22.49	-21.7	-20.71	-18.51	-16.44	-14.91
27-Feb-10	-25.83	-23.42	-24.38	-23.99	-23.53	-23.04	-22.45	-21.76	-20.77	-18.59	-16.49	-14.96
28-Feb-10	-26.75	-23.91	-24.65	-24.06	-23.53	-23	-22.44	-21.75	-20.8	-18.62	-16.57	-15.01
1-Mar-10	-27.57	-24.49	-25.09	-24.3	-23.64	-23.07	-22.44	-21.75	-20.83	-18.65	-16.6	-15.07
2-Mar-10	-28.19	-25.01	-25.54	-24.61	-23.87	-23.22	-22.52	-21.79	-20.87	-18.72	-16.67	-15.13
3-Mar-10	-28.52	-25.43	-25.88	-24.91	-24.12	-23.43	-22.68	-21.88	-20.92	-18.77	-16.71	-15.15
4-Mar-10	-28.39	-26.59	-26.13	-25.15	-24.35	-23.62	-22.83	-21.99	-20.96	-18.8	-16.75	-15.21
5-Mar-10	-28.21	-26.64	-26.18	-25.31	-24.51	-23.78	-22.98	-22.1	-21.07	-18.87	-16.81	-15.24
6-Mar-10	-28.07	-26.59	-26.17	-25.35	-24.63	-23.89	-23.09	-22.24	-21.16	-18.93	-16.87	-15.29
7-Mar-10	-28.08	-26.64	-26.18	-25.4	-24.71	-24.01	-23.21	-22.35	-21.24	-18.97	-16.9	-15.36
8-Mar-10	-28.03	-26.68	-26.21	-25.47	-24.78	-24.08	-23.31	-22.46	-21.34	-19.03	-16.96	-15.41
9-Mar-10	-28.08	-26.69	-26.27	-25.52	-24.8	-24.17	-23.4	-22.51	-21.39	-19.11	-17	-15.46
10-Mar-10	-27.53	-26.62	-26.2	-25.54	-24.9	-24.23	-23.46	-22.6	-21.52	-19.16	-17.09	-15.48
11-Mar-10	-26.62	-26.03	-25.86	-25.37	-24.85	-24.22	-23.53	-22.67	-21.58	-19.22	-17.14	-15.56
12-Mar-10	-26.1	-25.48	-25.48	-25.12	-24.68	-24.13	-23.48	-22.69	-21.64	-19.31	-17.16	-15.58
13-Mar-10	-26.06	-25.28	-25.24	-24.92	-24.49	-24.02	-23.44	-22.69	-21.68	-19.37	-17.23	-15.64
14-Mar-10	-25.95	-25.17	-25.21	-24.77	-24.34	-23.95	-23.34	-22.71	-21.73	-19.42	-17.3	-15.71
15-Mar-10	-25.69	-24.92	-24.96	-24.68	-24.28	-23.86	-23.29	-22.65	-21.71	-19.5	-17.34	-15.72
16-Mar-10	-25.82	-24.85	-24.85	-24.53	-24.14	-23.76	-23.26	-22.63	-21.72	-19.55	-17.42	-15.77
17-Mar-10	-25.65	-24.76	-24.84	-24.48	-24.09	-23.67	-23.21	-22.62	-21.71	-19.57	-17.47	-15.84
18-Mar-10	-25.81	-24.8	-24.8	-24.4	-24.02	-23.67	-23.18	-22.54	-21.75	-19.64	-17.5	-15.88
19-Mar-10	-25.97	-24.87	-24.83	-24.4	-24.01	-23.59	-23.13	-22.54	-21.74	-19.66	-17.56	-15.93
20-Mar-10	-26.1	-25	-24.88	-24.44	-24.02	-23.59	-23.1	-22.51	-21.71	-19.67	-17.6	-15.97
21-Mar-10	-26.03	-24.97	-24.93	-24.49	-24.06	-23.6	-23.11	-22.51	-21.72	-19.71	-17.64	-16.01
22-Mar-10	-25.85	-24.88	-24.88	-24.48	-24.01	-23.63	-23.1	-22.54	-21.71	-19.74	-17.69	-16.09
23-Mar-10	-25.89	-24.88	-24.84	-24.44	-23.98	-23.59	-23.1	-22.54	-21.75	-19.77	-17.75	-16.12
24-Mar-10	-25.98	-24.92	-24.88	-24.48	-23.98	-23.59	-23.1	-22.51	-21.75	-19.81	-17.79	-16.18
25-Mar-10	-26.1	-25	-24.88	-24.44	-24.01	-23.59	-23.14	-22.51	-21.78	-19.84	-17.82	-16.21
26-Mar-10	-26.1	-25.04	-24.92	-24.53	-24.06	-23.6	-23.1	-22.51	-21.79	-19.84	-17.85	-16.24
27-Mar-10	-25.84	-24.94	-24.9	-24.51	-24.08	-23.66	-23.13	-22.57	-21.77	-19.86	-17.91	-16.3
28-Mar-10	-25.04	-24.57	-24.77	-24.41	-24.06	-23.68	-23.15	-22.59	-21.83	-19.92	-17.93	-16.35
29-Mar-10	-23.66	-23.58	-24.16	-24.12	-23.93	-23.55	-23.13	-22.57	-21.85	-19.9	-17.98	-16.36
30-Mar-10	-23.05	-22.79	-23.54	-23.69	-23.58	-23.39	-23.05	-22.53	-21.8	-20	-18	-16.41
31-Mar-10	-22.83	-22.39	-23.16	-23.35	-23.24	-23.09	-22.87	-22.42	-21.81	-19.97	-18.07	-16.45
1-Apr-10	-22.61	-22.1	-22.94	-23.09	-22.98	-22.94	-22.68	-22.31	-21.81	-20	-18.07	-16.48
2-Apr-10	-22.49	-21.84	-22.71	-22.82	-22.78	-22.71	-22.49	-22.2	-21.69	-19.99	-18.12	-16.53
3-Apr-10	-22.5	-21.78	-22.58	-22.69	-22.61	-22.5	-22.36	-22.1	-21.64	-20.01	-18.17	-16.58
4-Apr-10	-22.27	-21.52	-22.49	-22.56	-22.45	-22.38	-22.2	-21.98	-21.59	-19.99	-18.16	-16.63
5-Apr-10	-22.39	-21.42	-22.35	-22.42	-22.35	-22.31	-22.17	-21.91	-21.52	-20.03	-18.19	-16.63
6-Apr-10	-22.25	-21.32	-22.28	-22.36	-22.21	-22.18	-22.03	-21.78	-21.46	-19.97	-18.2	-16.64
7-Apr-10	-21.95	-21.06	-22.09	-22.24	-22.16	-22.13	-21.91	-21.73	-21.34	-19.96	-18.22	-16.69

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.0 M	TH2_10 5.0 M	TH2_11 7.0 M	TH2_12 11.0 M
8-Apr-10	-21.96	-20.96	-21.99	-22.06	-21.99	-21.99	-21.81	-21.6	-21.28	-19.94	-18.26	-16.73
9-Apr-10	-21.78	-20.79	-21.89	-21.99	-21.89	-21.85	-21.74	-21.53	-21.21	-19.97	-18.27	-16.76
10-Apr-10	-21.67	-20.62	-21.74	-21.92	-21.81	-21.77	-21.67	-21.42	-21.14	-19.9	-18.29	-16.79
11-Apr-10	-21.5	-20.52	-21.67	-21.74	-21.71	-21.67	-21.57	-21.39	-21.07	-19.87	-18.27	-16.79
12-Apr-10	-21.44	-20.33	-21.51	-21.62	-21.59	-21.55	-21.44	-21.27	-21.02	-19.86	-18.28	-16.87
13-Apr-10	-21.7	-20.41	-21.49	-21.56	-21.49	-21.45	-21.38	-21.21	-20.96	-19.8	-18.29	-16.88
14-Apr-10	-21.5	-20.39	-21.5	-21.54	-21.46	-21.39	-21.32	-21.15	-20.9	-19.78	-18.3	-16.89
15-Apr-10	-20.74	-20.03	-21.3	-21.44	-21.41	-21.34	-21.27	-21.06	-20.88	-19.79	-18.29	-16.9
16-Apr-10	-19.72	-19.29	-20.85	-21.2	-21.23	-21.23	-21.16	-21.06	-20.78	-19.72	-18.32	-16.94
17-Apr-10	-19.09	-18.67	-20.33	-20.77	-20.91	-21.02	-21.02	-20.95	-20.74	-19.72	-18.35	-16.93
18-Apr-10	-18.8	-18.28	-19.96	-20.43	-20.6	-20.81	-20.84	-20.81	-20.64	-19.69	-18.28	-16.96
19-Apr-10	-18.67	-17.99	-19.69	-20.16	-20.36	-20.53	-20.67	-20.67	-20.53	-19.62	-18.31	-16.99
20-Apr-10	-18.63	-17.86	-19.51	-19.95	-20.12	-20.32	-20.42	-20.49	-20.46	-19.58	-18.31	-17.02
21-Apr-10	-18.67	-17.77	-19.39	-19.79	-19.95	-20.16	-20.33	-20.4	-20.36	-19.55	-18.31	-16.99
22-Apr-10	-18.44	-17.62	-19.29	-19.69	-19.85	-20.06	-20.12	-20.19	-20.26	-19.52	-18.28	-17.02
23-Apr-10	-17.9	-17.34	-19.1	-19.52	-19.66	-19.93	-20.03	-20.09	-20.16	-19.46	-18.29	-17.06
24-Apr-10	-17.5	-16.91	-18.74	-19.23	-19.47	-19.73	-19.9	-19.97	-20.03	-19.43	-18.23	-17.04
25-Apr-10	-17.01	-16.51	-18.45	-19	-19.27	-19.53	-19.73	-19.87	-19.93	-19.33	-18.26	-17.1
26-Apr-10	-16.58	-16.13	-18.14	-18.68	-19.01	-19.34	-19.57	-19.74	-19.87	-19.3	-18.23	-17.07
27-Apr-10	-16.13	-15.65	-17.76	-18.37	-18.72	-19.08	-19.31	-19.58	-19.74	-19.28	-18.24	-17.05
28-Apr-10	-15.62	-15.18	-17.42	-18.11	-18.43	-18.88	-19.14	-19.41	-19.61	-19.21	-18.17	-17.08
29-Apr-10	-15.4	-14.81	-17.03	-17.78	-18.19	-18.58	-18.94	-19.23	-19.46	-19.13	-18.16	-17.06
30-Apr-10	-15.44	-14.7	-16.85	-17.54	-17.91	-18.39	-18.68	-19.04	-19.33	-19.1	-18.14	-17.1
1-May-10	-15.52	-14.64	-16.73	-17.34	-17.72	-18.16	-18.55	-18.84	-19.2	-18.97	-18.1	-17.06
2-May-10	-15.57	-14.63	-16.63	-17.24	-17.56	-18.03	-18.35	-18.7	-19.06	-18.9	-18.13	-17.09
3-May-10	-15.58	-14.64	-16.6	-17.16	-17.47	-17.88	-18.19	-18.55	-18.94	-18.87	-18.07	-17.06
4-May-10	-15.41	-14.53	-16.52	-17.04	-17.35	-17.73	-18.07	-18.39	-18.78	-18.75	-18.04	-17.1
5-May-10	-15.03	-14.3	-16.31	-16.92	-17.23	-17.63	-17.95	-18.27	-18.65	-18.68	-17.98	-17.07
6-May-10	-14.62	-13.98	-16.07	-16.74	-17.04	-17.51	-17.82	-18.14	-18.56	-18.62	-17.98	-17.07
7-May-10	-14.41	-13.75	-15.79	-16.52	-16.89	-17.29	-17.66	-18.01	-18.42	-18.52	-17.91	-17.07
8-May-10	-14.41	-13.61	-15.68	-16.28	-16.67	-17.13	-17.48	-17.88	-18.33	-18.43	-17.88	-17.01
9-May-10	-14.3	-13.52	-15.53	-16.19	-16.55	-16.98	-17.32	-17.73	-18.17	-18.36	-17.85	-17.04
10-May-10	-14.07	-13.38	-15.41	-16.04	-16.43	-16.83	-17.2	-17.6	-18.04	-18.27	-17.82	-17.04
11-May-10	-13.96	-13.22	-15.24	-15.89	-16.28	-16.71	-17.08	-17.45	-17.95	-18.18	-17.77	-17.02
12-May-10	-13.69	-13.01	-15.08	-15.74	-16.13	-16.58	-16.89	-17.32	-17.85	-18.11	-17.73	-16.98
13-May-10	-13.58	-12.85	-14.91	-15.53	-15.95	-16.37	-16.79	-17.23	-17.73	-18.04	-17.69	-16.95
14-May-10	-13.55	-12.73	-14.76	-15.41	-15.8	-16.28	-16.67	-17.07	-17.6	-17.92	-17.63	-16.95
15-May-10	-13.53	-12.71	-14.71	-15.3	-15.62	-16.13	-16.53	-16.96	-17.48	-17.86	-17.55	-16.96
16-May-10	-13.31	-12.52	-14.54	-15.21	-15.57	-16.02	-16.35	-16.81	-17.36	-17.74	-17.52	-16.93
17-May-10	-12.91	-12.27	-14.33	-15.03	-15.45	-15.86	-16.28	-16.71	-17.27	-17.67	-17.42	-16.86
18-May-10	-12.6	-11.99	-14.08	-14.83	-15.24	-15.74	-16.16	-16.56	-17.17	-17.61	-17.42	-16.89
19-May-10	-12.43	-11.76	-13.84	-14.62	-15.06	-15.59	-16.01	-16.46	-17.04	-17.51	-17.35	-16.86
20-May-10	-12.46	-11.66	-13.73	-14.42	-14.89	-15.45	-15.86	-16.31	-16.93	-17.42	-17.33	-16.83
21-May-10	-12.38	-11.55	-13.59	-14.3	-14.74	-15.27	-15.71	-16.19	-16.83	-17.36	-17.23	-16.77
22-May-10	-12.27	-11.44	-13.5	-14.22	-14.62	-15.12	-15.59	-16.04	-16.71	-17.23	-17.17	-16.77
23-May-10	-12.14	-11.31	-13.4	-14.06	-14.52	-15.01	-15.46	-15.93	-16.6	-17.18	-17.15	-16.75
24-May-10	-11.72	-11.06	-13.2	-13.94	-14.4	-14.92	-15.34	-15.84	-16.47	-17.09	-17.12	-16.72
25-May-10	-11.45	-10.79	-13	-13.74	-14.23	-14.78	-15.22	-15.69	-16.38	-16.99	-17.06	-16.69
26-May-10	-11.18	-10.5	-12.76	-13.55	-14.09	-14.61	-15.08	-15.55	-16.21	-16.94	-17	-16.66
27-May-10	-10.91	-10.29	-12.56	-13.38	-13.86	-14.47	-14.93	-15.43	-16.15	-16.82	-16.94	-16.63
28-May-10	-10.58	-10.02	-12.31	-13.18	-13.72	-14.29	-14.79	-15.31	-16.03	-16.76	-16.88	-16.6
29-May-10	-10.31	-9.75	-12.09	-12.96	-13.55	-14.12	-14.61	-15.17	-15.91	-16.66	-16.82	-16.57
30-May-10	-10.1	-9.53	-11.87	-12.76	-13.32	-13.95	-14.47	-15.02	-15.79	-16.57	-16.79	-16.54
31-May-10	-9.86	-9.27	-11.65	-12.54	-13.13	-13.78	-14.3	-14.91	-15.67	-16.49	-16.7	-16.52
1-Jun-10	-9.49	-9.01	-11.44	-12.35	-12.97	-13.62	-14.13	-14.77	-15.56	-16.4	-16.65	-16.46
2-Jun-10	-9.04	-8.61	-11.17	-12.13	-12.77	-13.45	-13.99	-14.62	-15.41	-16.31	-16.58	-16.43
3-Jun-10	-8.63	-8.24	-10.84	-11.88	-12.57	-13.25	-13.84	-14.45	-15.32	-16.22	-16.49	-16.4
4-Jun-10	-8.29	-7.87	-10.54	-11.58	-12.32	-13.05	-13.64	-14.3	-15.18	-16.13	-16.43	-16.37
5-Jun-10	-7.96	-7.51	-10.23	-11.32	-12.09	-12.84	-13.44	-14.15	-15.02	-16.03	-16.39	-16.33
6-Jun-10	-7.74	-7.19	-9.95	-11.06	-11.86	-12.61	-13.25	-13.99	-14.92	-15.92	-16.35	-16.29
7-Jun-10	-7.27	-6.848	-9.69	-10.82	-11.61	-12.41	-13.06	-13.79	-14.77	-15.87	-16.29	-16.26
8-Jun-10	-6.76	-6.366	-9.33	-10.54	-11.38	-12.15	-12.85	-13.64	-14.59	-15.74	-16.19	-16.22
9-Jun-10	-6.351	-6.299	-8.96	-10.2	-11.09	-11.92	-12.64	-13.45	-14.46	-15.66	-16.17	-16.17
10-Jun-10	-5.653	-5.81	-8.6	-9.88	-10.8	-11.68	-12.39	-13.23	-14.29	-15.55	-16.11	-16.14
11-Jun-10	-5.183	-5.339	-8.15	-9.48	-10.48	-11.4	-12.17	-13.04	-14.15	-15.43	-16.02	-16.11
12-Jun-10	-4.671	-4.88	-7.68	-9.06	-10.11	-11.08	-11.9	-12.79	-13.95	-15.32	-15.97	-16.06

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.0 M	TH2_10 5.0 M	TH2_11 7.0 M	TH2_12 11.0 M
13-Jun-10	-4.207	-4.416	-7.22	-8.64	-9.74	-10.74	-11.61	-12.55	-13.77	-15.21	-15.87	-16.02
14-Jun-10	-3.889	-4.071	-6.789	-8.27	-9.36	-10.4	-11.3	-12.32	-13.58	-15.08	-15.79	-15.97
15-Jun-10	-3.498	-3.628	-6.344	-7.82	-8.96	-10.05	-10.97	-12.04	-13.36	-14.96	-15.73	-15.94
16-Jun-10	-3.081	-3.081	-5.768	-7.34	-8.53	-9.65	-10.62	-11.74	-13.1	-14.82	-15.67	-15.88
17-Jun-10	-2.637	-2.559	-5.271	-6.842	-8.08	-9.22	-10.24	-11.41	-12.88	-14.67	-15.58	-15.85
18-Jun-10	-2.22	-2.142	-4.828	-6.422	-7.66	-8.85	-9.89	-11.08	-12.63	-14.53	-15.49	-15.79
19-Jun-10	-1.855	-1.803	-4.462	-6.056	-7.32	-8.5	-9.54	-10.78	-12.35	-14.36	-15.41	-15.73
20-Jun-10	-1.474	-1.5	-4.16	-5.699	-7.01	-8.19	-9.23	-10.49	-12.11	-14.22	-15.32	-15.68
21-Jun-10	-1.018	-1.201	-3.836	-5.376	-6.711	-7.89	-8.96	-10.24	-11.85	-14.04	-15.23	-15.64
22-Jun-10	-0.693	-0.955	-3.565	-5.052	-6.412	-7.62	-8.68	-9.96	-11.62	-13.86	-15.1	-15.58
23-Jun-10	-0.462	-0.698	-3.309	-4.795	-6.154	-7.36	-8.39	-9.72	-11.4	-13.69	-15.02	-15.52
24-Jun-10	-0.286	-0.522	-3.107	-4.541	-5.925	-7.1	-8.16	-9.46	-11.19	-13.55	-14.91	-15.46
25-Jun-10	-0.022	-0.31	-2.947	-4.301	-5.71	-6.914	-7.94	-9.27	-10.96	-13.37	-14.84	-15.39
26-Jun-10	0.688	-0.178	-2.763	-4.091	-5.526	-6.703	-7.7	-9.05	-10.74	-13.2	-14.69	-15.33
27-Jun-10	1.172	0.095	-2.544	-3.9	-5.308	-6.485	-7.51	-8.83	-10.57	-13.03	-14.57	-15.27
28-Jun-10	1.722	0.329	-2.312	-3.693	-5.101	-6.303	-7.3	-8.65	-10.39	-12.86	-14.45	-15.18
29-Jun-10	2.399	0.607	-2.087	-3.442	-4.901	-6.102	-7.12	-8.47	-10.21	-12.73	-14.34	-15.13
30-Jun-10	3.061	0.896	-1.852	-3.233	-4.692	-5.919	-6.914	-8.28	-10.02	-12.56	-14.26	-15.04
1-Jul-10	3.432	1.028	-1.669	-3.051	-4.51	-5.736	-6.704	-8.1	-9.83	-12.42	-14.14	-14.98
2-Jul-10	3.592	1.159	-1.513	-2.869	-4.354	-5.579	-6.547	-7.94	-9.67	-12.25	-14.03	-14.89
3-Jul-10	3.977	1.331	-1.394	-2.749	-4.208	-5.407	-6.348	-7.77	-9.49	-12.12	-13.89	-14.81
4-Jul-10	4.364	1.501	-1.278	-2.608	-4.041	-5.241	-6.181	-7.57	-9.35	-11.98	-13.8	-14.75
5-Jul-10	4.725	1.673	-1.211	-2.515	-3.921	-5.094	-6.034	-7.42	-9.17	-11.82	-13.69	-14.7
6-Jul-10	5.31	1.906	-1.11	-2.388	-3.768	-4.967	-5.88	-7.27	-9.04	-11.71	-13.58	-14.58
7-Jul-10	5.501	2.117	-1.034	-2.313	-3.668	-4.841	-5.755	-7.14	-8.89	-11.56	-13.48	-14.51
8-Jul-10	4.941	2.121	-0.952	-2.232	-3.561	-4.734	-5.595	-7.01	-8.75	-11.42	-13.39	-14.45
9-Jul-10	4.7	2.147	-0.9	-2.153	-3.457	-4.604	-5.491	-6.878	-8.62	-11.31	-13.28	-14.36
10-Jul-10	3.899	2.068	-0.85	-2.078	-3.356	-4.504	-5.366	-6.753	-8.49	-11.18	-13.18	-14.29
11-Jul-10	2.451	1.711	-0.786	-2.014	-3.267	-4.389	-5.251	-6.638	-8.35	-11.04	-13.06	-14.22
12-Jul-10	1.593	1.409	-0.771	-1.947	-3.199	-4.295	-5.13	-6.517	-8.23	-10.94	-12.98	-14.14
13-Jul-10	1.565	1.354	-0.746	-1.922	-3.122	-4.218	-5.027	-6.413	-8.1	-10.8	-12.87	-14.09
14-Jul-10	1.764	1.369	-0.731	-1.881	-3.055	-4.123	-4.906	-6.291	-8	-10.7	-12.76	-14.01

NOTES:

Signifies the warmest temperature recorded for individual thermistor strings during the calendar year.

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL3

Bulb	TH3_1	TH3_2	TH3_3	TH3_4	TH3_5	TH3_6	TH3_7	TH3_8	TH3_9	TH3_10	TH3_11	TH3_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
1-Jan-09	-21.66	-20.89	-20.1	-19.2	-18.54	-17.78	-16.97	-16.48	-15.36	-13.31	-11.93	-11.24
2-Jan-09	-21.46	-20.79	-20.07	-19.24	-18.58	-17.85	-17.04	-16.58	-15.49	-13.43	-12.03	-11.28
3-Jan-09	-21.12	-20.6	-19.96	-19.19	-18.6	-17.9	-17.11	-16.65	-15.59	-13.5	-12.09	-11.35
4-Jan-09	-21.15	-20.49	-19.88	-19.15	-18.59	-17.92	-17.17	-16.7	-15.68	-13.6	-12.17	-11.39
5-Jan-09	-21.43	-20.62	-19.91	-19.14	-18.62	-17.94	-17.19	-16.79	-15.76	-13.71	-12.24	-11.47
6-Jan-09	-21.88	-20.86	-20.03	-19.23	-18.64	-18	-17.28	-16.84	-15.84	-13.79	-12.32	-11.48
7-Jan-09	-22.49	-21.2	-20.26	-19.39	-18.73	-18.06	-17.33	-16.9	-15.92	-13.86	-12.39	-11.56
8-Jan-09	-23.12	-21.69	-20.6	-19.58	-18.89	-18.14	-17.42	-16.95	-15.97	-13.94	-12.47	-11.6
9-Jan-09	-23.72	-22.12	-20.95	-19.85	-19.08	-18.3	-17.51	-17.07	-16.06	-14.03	-12.52	-11.63
10-Jan-09	-24.27	-22.6	-21.3	-20.16	-19.32	-18.47	-17.64	-17.17	-16.16	-14.09	-12.59	-11.69
11-Jan-09	-24.63	-23.01	-21.7	-20.44	-19.56	-18.67	-17.8	-17.3	-16.25	-14.18	-12.64	-11.75
12-Jan-09	-24.83	-23.27	-22.02	-20.71	-19.79	-18.9	-17.99	-17.46	-16.34	-14.27	-12.73	-11.81
13-Jan-09	-25.03	-23.54	-22.24	-20.99	-20.06	-19.09	-18.18	-17.61	-16.47	-14.36	-12.81	-11.86
14-Jan-09	-25.23	-23.74	-22.5	-21.24	-20.24	-19.3	-18.35	-17.78	-16.6	-14.45	-12.88	-11.9
15-Jan-09	-25.34	-23.96	-22.67	-21.44	-20.46	-19.48	-18.53	-17.95	-16.73	-14.52	-12.94	-11.96
16-Jan-09	-25.47	-24.08	-22.83	-21.59	-20.64	-19.66	-18.7	-18.09	-16.9	-14.62	-12.98	-12
17-Jan-09	-25.65	-24.26	-23.03	-21.79	-20.8	-19.85	-18.89	-18.27	-17.01	-14.73	-13.06	-12.06
18-Jan-09	-25.52	-24.33	-23.18	-21.93	-21	-20.01	-19.04	-18.42	-17.13	-14.81	-13.14	-12.13
19-Jan-09	-25.3	-24.27	-23.19	-22.05	-21.13	-20.16	-19.19	-18.57	-17.3	-14.89	-13.19	-12.18
20-Jan-09	-24.89	-24.07	-23.15	-22.08	-21.23	-20.29	-19.35	-18.73	-17.42	-15.03	-13.27	-12.2
21-Jan-09	-24.49	-23.79	-23	-22.04	-21.26	-20.39	-19.45	-18.85	-17.54	-15.11	-13.35	-12.28
22-Jan-09	-24.41	-23.63	-22.88	-21.97	-21.25	-20.42	-19.54	-18.95	-17.66	-15.23	-13.43	-12.33
23-Jan-09	-24.4	-23.63	-22.84	-21.96	-21.28	-20.45	-19.6	-19.04	-17.79	-15.31	-13.48	-12.38
24-Jan-09	-24.48	-23.67	-22.84	-21.96	-21.28	-20.48	-19.67	-19.11	-17.88	-15.43	-13.57	-12.44
25-Jan-09	-24.54	-23.73	-22.86	-21.98	-21.31	-20.54	-19.73	-19.16	-18	-15.54	-13.65	-12.49
26-Jan-09	-24.23	-23.62	-22.86	-22.02	-21.34	-20.58	-19.76	-19.23	-18.07	-15.6	-13.74	-12.55
27-Jan-09	-23.73	-23.31	-22.71	-21.95	-21.38	-20.64	-19.79	-19.3	-18.16	-15.69	-13.79	-12.6
28-Jan-09	-23.34	-23	-22.52	-21.83	-21.3	-20.64	-19.85	-19.35	-18.22	-15.77	-13.87	-12.65
29-Jan-09	-23.22	-22.81	-22.33	-21.68	-21.26	-20.6	-19.88	-19.38	-18.27	-15.85	-13.95	-12.7
30-Jan-09	-23.4	-22.8	-22.24	-21.63	-21.14	-20.55	-19.83	-19.43	-18.32	-15.96	-14.02	-12.76
31-Jan-09	-23.85	-22.97	-22.31	-21.62	-21.13	-20.54	-19.86	-19.42	-18.41	-16.04	-14.09	-12.81
1-Feb-09	-24.42	-23.31	-22.49	-21.69	-21.16	-20.53	-19.85	-19.45	-18.43	-16.09	-14.17	-12.89
2-Feb-09	-24.89	-23.71	-22.81	-21.86	-21.29	-20.6	-19.91	-19.45	-18.46	-16.16	-14.24	-12.92
3-Feb-09	-24.91	-23.93	-23.02	-22.1	-21.42	-20.68	-19.97	-19.53	-18.51	-16.23	-14.31	-12.99
4-Feb-09	-25.03	-24	-23.12	-22.2	-21.55	-20.81	-20.03	-19.59	-18.57	-16.28	-14.36	-13.07
5-Feb-09	-25.27	-24.2	-23.28	-22.31	-21.63	-20.89	-20.13	-19.66	-18.61	-16.38	-14.45	-13.1
6-Feb-09	-25.55	-24.43	-23.43	-22.46	-21.77	-21.02	-20.23	-19.76	-18.7	-16.44	-14.5	-13.15
7-Feb-09	-25.8	-24.63	-23.62	-22.64	-21.91	-21.13	-20.33	-19.86	-18.77	-16.5	-14.56	-13.21
8-Feb-09	-26.09	-24.83	-23.81	-22.79	-22.02	-21.23	-20.44	-19.92	-18.86	-16.56	-14.62	-13.26
9-Feb-09	-26.37	-25.1	-24.03	-22.97	-22.19	-21.37	-20.53	-20.05	-18.92	-16.61	-14.7	-13.34
10-Feb-09	-26.64	-25.35	-24.24	-23.13	-22.35	-21.49	-20.68	-20.14	-19.03	-16.69	-14.74	-13.39
11-Feb-09	-26.76	-25.55	-24.43	-23.35	-22.53	-21.66	-20.81	-20.26	-19.09	-16.74	-14.79	-13.44
12-Feb-09	-26.82	-25.65	-24.6	-23.48	-22.69	-21.82	-20.93	-20.38	-19.21	-16.82	-14.87	-13.48
13-Feb-09	-26.68	-25.67	-24.71	-23.62	-22.79	-21.91	-21.06	-20.5	-19.29	-16.93	-14.94	-13.55
14-Feb-09	-26.75	-25.7	-24.73	-23.68	-22.92	-22.04	-21.18	-20.63	-19.41	-16.97	-14.98	-13.59
15-Feb-09	-26.97	-25.83	-24.78	-23.76	-23	-22.16	-21.26	-20.7	-19.51	-17.04	-15.05	-13.63
16-Feb-09	-27.23	-26	-24.98	-23.92	-23.12	-22.27	-21.4	-20.84	-19.62	-17.14	-15.11	-13.71
17-Feb-09	-27.56	-26.23	-25.16	-24.05	-23.25	-22.36	-21.49	-20.93	-19.7	-17.21	-15.18	-13.75
18-Feb-09	-28.05	-26.57	-25.41	-24.21	-23.4	-22.51	-21.64	-21.04	-19.8	-17.28	-15.24	-13.81
19-Feb-09	-28.31	-26.95	-25.7	-24.45	-23.6	-22.66	-21.75	-21.15	-19.91	-17.39	-15.32	-13.83
20-Feb-09	-28.02	-26.97	-25.87	-24.7	-23.76	-22.82	-21.9	-21.3	-20.02	-17.45	-15.37	-13.91
21-Feb-09	-28.01	-26.88	-25.87	-24.77	-23.91	-22.96	-22.04	-21.43	-20.15	-17.53	-15.43	-13.96
22-Feb-09	-28.19	-27.01	-25.95	-24.85	-24.03	-23.07	-22.19	-21.54	-20.25	-17.63	-15.49	-14.02
23-Feb-09	-28.33	-27.14	-26.08	-24.94	-24.11	-23.19	-22.27	-21.69	-20.33	-17.7	-15.55	-14.06
24-Feb-09	-28.38	-27.28	-26.21	-25.07	-24.23	-23.31	-22.38	-21.8	-20.44	-17.8	-15.62	-14.12
25-Feb-09	-28.47	-27.31	-26.29	-25.18	-24.34	-23.42	-22.49	-21.9	-20.57	-17.89	-15.67	-14.17
26-Feb-09	-28.44	-27.42	-26.35	-25.28	-24.4	-23.52	-22.62	-22	-20.66	-17.98	-15.76	-14.23
27-Feb-09	-28.17	-27.29	-26.35	-25.36	-24.52	-23.63	-22.73	-22.11	-20.76	-18.07	-15.85	-14.28
28-Feb-09	-27.99	-27.2	-26.3	-25.35	-24.59	-23.7	-22.83	-22.21	-20.86	-18.16	-15.9	-14.33
1-Mar-09	-27.89	-27.05	-26.25	-25.34	-24.62	-23.76	-22.89	-22.27	-20.98	-18.24	-15.97	-14.38
2-Mar-09	-28.07	-27.11	-26.26	-25.35	-24.63	-23.81	-22.94	-22.35	-21.06	-18.32	-16.02	-14.45
3-Mar-09	-28.12	-27.24	-26.34	-25.39	-24.63	-23.85	-22.98	-22.43	-21.14	-18.42	-16.11	-14.51
4-Mar-09	-28.15	-27.22	-26.37	-25.42	-24.73	-23.91	-23.07	-22.52	-21.22	-18.49	-16.18	-14.57
5-Mar-09	-28.33	-27.31	-26.42	-25.5	-24.78	-23.96	-23.12	-22.56	-21.3	-18.56	-16.25	-14.64
6-Mar-09	-28.51	-27.49	-26.54	-25.54	-24.82	-24.03	-23.19	-22.63	-21.37	-18.66	-16.31	-14.67
7-Mar-09	-28.65	-27.62	-26.63	-25.67	-24.9	-24.11	-23.27	-22.71	-21.44	-18.72	-16.4	-14.73
8-Mar-09	-28.74	-27.75	-26.75	-25.75	-25.02	-24.19	-23.34	-22.78	-21.51	-18.79	-16.46	-14.78

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL3

Bulb	TH3_1	TH3_2	TH3_3	TH3_4	TH3_5	TH3_6	TH3_7	TH3_8	TH3_9	TH3_10	TH3_11	TH3_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
9-Mar-09	-28.92	-27.83	-26.87	-25.86	-25.09	-24.26	-23.45	-22.85	-21.61	-18.88	-16.51	-14.86
10-Mar-09	-29.23	-28.05	-27	-25.94	-25.16	-24.37	-23.52	-22.91	-21.67	-18.94	-16.59	-14.88
11-Mar-09	-29.61	-28.32	-27.22	-26.11	-25.33	-24.45	-23.6	-23.03	-21.75	-19.04	-16.66	-14.98
12-Mar-09	-29.85	-28.55	-27.44	-26.28	-25.46	-24.57	-23.68	-23.11	-21.82	-19.08	-16.73	-15.01
13-Mar-09	-30	-28.78	-27.66	-26.45	-25.62	-24.69	-23.83	-23.22	-21.9	-19.18	-16.79	-15.07
14-Mar-09	-30.01	-28.84	-27.76	-26.63	-25.76	-24.83	-23.92	-23.31	-21.98	-19.26	-16.87	-15.12
15-Mar-09	-29.86	-28.88	-27.84	-26.76	-25.87	-24.98	-24.07	-23.46	-22.08	-19.35	-16.92	-15.17
16-Mar-09	-29.72	-28.79	-27.85	-26.8	-25.96	-25.07	-24.2	-23.54	-22.16	-19.42	-16.99	-15.23
17-Mar-09	-29.54	-28.7	-27.8	-26.8	-26.05	-25.15	-24.27	-23.65	-22.27	-19.49	-17.05	-15.29
18-Mar-09	-29.4	-28.62	-27.77	-26.81	-26.05	-25.19	-24.36	-23.7	-22.39	-19.56	-17.12	-15.33
19-Mar-09	-29.16	-28.47	-27.71	-26.8	-26.08	-25.26	-24.42	-23.8	-22.49	-19.65	-17.2	-15.4
20-Mar-09	-29.11	-28.38	-27.62	-26.8	-26.08	-25.3	-24.46	-23.84	-22.56	-19.72	-17.26	-15.46
21-Mar-09	-29.15	-28.42	-27.62	-26.75	-26.08	-25.34	-24.5	-23.91	-22.59	-19.81	-17.32	-15.52
22-Mar-09	-29.34	-28.46	-27.66	-26.79	-26.12	-25.33	-24.53	-23.95	-22.66	-19.88	-17.38	-15.58
23-Mar-09	-29.53	-28.56	-27.75	-26.8	-26.16	-25.38	-24.58	-24.03	-22.78	-19.95	-17.45	-15.64
24-Mar-09	-29.71	-28.74	-27.84	-26.88	-26.2	-25.42	-24.61	-24.03	-22.78	-20.01	-17.54	-15.7
25-Mar-09	-29.85	-28.92	-27.97	-27	-26.24	-25.5	-24.69	-24.1	-22.85	-20.08	-17.6	-15.75
26-Mar-09	-30.05	-29.06	-28.06	-27.1	-26.33	-25.54	-24.78	-24.15	-22.93	-20.15	-17.67	-15.79
27-Mar-09	-30.06	-29.17	-28.21	-27.2	-26.47	-25.64	-24.79	-24.24	-22.98	-20.2	-17.72	-15.87
28-Mar-09	-29.82	-29.08	-28.26	-27.28	-26.51	-25.72	-24.91	-24.32	-23.06	-20.31	-17.81	-15.9
29-Mar-09	-29.52	-28.91	-28.14	-27.26	-26.58	-25.79	-24.98	-24.42	-23.12	-20.37	-17.84	-15.99
30-Mar-09	-28.85	-28.53	-27.99	-27.2	-26.6	-25.8	-25.03	-24.44	-23.17	-20.41	-17.91	-16.02
31-Mar-09	-28.51	-28.24	-27.71	-27.02	-26.51	-25.8	-25.03	-24.51	-23.24	-20.48	-17.98	-16.09
1-Apr-09	-27.93	-27.84	-27.44	-26.88	-26.37	-25.75	-25.06	-24.51	-23.31	-20.54	-18.03	-16.14
2-Apr-09	-27.39	-27.34	-27.08	-26.61	-26.23	-25.65	-25.01	-24.49	-23.33	-20.63	-18.11	-16.22
3-Apr-09	-27.13	-27.04	-26.83	-26.4	-26.07	-25.57	-24.97	-24.49	-23.37	-20.66	-18.14	-16.25
4-Apr-09	-26.99	-26.82	-26.61	-26.18	-25.89	-25.4	-24.88	-24.44	-23.4	-20.73	-18.23	-16.3
5-Apr-09	-26.98	-26.73	-26.43	-26.01	-25.72	-25.32	-24.79	-24.4	-23.36	-20.79	-18.26	-16.35
6-Apr-09	-26.99	-26.69	-26.35	-25.89	-25.65	-25.2	-24.68	-24.29	-23.33	-20.8	-18.33	-16.42
7-Apr-09	-26.99	-26.65	-26.31	-25.86	-25.53	-25.12	-24.65	-24.25	-23.33	-20.83	-18.4	-16.49
8-Apr-09	-26.9	-26.61	-26.23	-25.77	-25.48	-25.08	-24.52	-24.21	-23.33	-20.86	-18.46	-16.51
9-Apr-09	-26.87	-26.57	-26.19	-25.74	-25.41	-25.01	-24.53	-24.14	-23.26	-20.91	-18.5	-16.58
10-Apr-09	-26.79	-26.53	-26.12	-25.66	-25.38	-24.97	-24.46	-24.11	-23.27	-20.95	-18.54	-16.65
11-Apr-09	-26.63	-26.42	-26.04	-25.63	-25.3	-24.9	-24.43	-24.11	-23.27	-20.96	-18.58	-16.69
12-Apr-09	-26.39	-26.23	-25.94	-25.57	-25.28	-24.88	-24.37	-24.05	-23.25	-21	-18.62	-16.73
13-Apr-09	-26.49	-26.19	-25.86	-25.45	-25.21	-24.81	-24.33	-24.02	-23.18	-20.98	-18.66	-16.8
14-Apr-09	-26.45	-26.2	-25.83	-25.42	-25.13	-24.74	-24.3	-23.99	-23.19	-20.98	-18.7	-16.84
15-Apr-09	-26.2	-26.08	-25.79	-25.34	-25.14	-24.74	-24.26	-23.95	-23.16	-21.02	-18.77	-16.9
16-Apr-09	-25.96	-25.88	-25.63	-25.26	-25.06	-24.7	-24.23	-23.92	-23.16	-21.03	-18.77	-16.94
17-Apr-09	-25.52	-25.64	-25.48	-25.16	-24.96	-24.6	-24.17	-23.9	-23.14	-21.08	-18.82	-16.95
18-Apr-09	-24.83	-25.15	-25.19	-24.99	-24.83	-24.52	-24.16	-23.85	-23.13	-21.07	-18.88	-17.01
19-Apr-09	-24.36	-24.71	-24.83	-24.71	-24.67	-24.4	-24.05	-23.81	-23.09	-21.07	-18.91	-17.1
20-Apr-09	-24.05	-24.36	-24.52	-24.48	-24.44	-24.24	-23.97	-23.78	-23.06	-21.08	-18.95	-17.11
21-Apr-09	-23.63	-24.05	-24.25	-24.25	-24.25	-24.09	-23.78	-23.63	-23.03	-21.08	-18.95	-17.14
22-Apr-09	-23.1	-23.67	-23.94	-23.98	-24.09	-23.9	-23.67	-23.56	-22.95	-21.08	-18.98	-17.17
23-Apr-09	-22.66	-23.22	-23.56	-23.67	-23.79	-23.75	-23.52	-23.41	-22.88	-21.08	-19.02	-17.24
24-Apr-09	-22.33	-22.85	-23.22	-23.37	-23.56	-23.6	-23.37	-23.29	-22.85	-21.08	-19.05	-17.24
25-Apr-09	-21.93	-22.55	-22.88	-23.11	-23.33	-23.37	-23.18	-23.14	-22.74	-21.05	-19.09	-17.3
26-Apr-09	-21.51	-22.19	-22.59	-22.81	-23.07	-23.11	-23.03	-22.96	-22.63	-21.05	-19.12	-17.3
27-Apr-09	-21.12	-21.83	-22.26	-22.52	-22.81	-22.93	-22.85	-22.81	-22.52	-21.02	-19.09	-17.37
28-Apr-09	-20.72	-21.45	-21.95	-22.24	-22.6	-22.71	-22.64	-22.64	-22.42	-21.03	-19.14	-17.38
29-Apr-09	-20.2	-21.02	-21.59	-21.94	-22.34	-22.49	-22.45	-22.49	-22.27	-20.99	-19.16	-17.47
30-Apr-09	-19.72	-20.57	-21.23	-21.62	-22.05	-22.27	-22.23	-22.3	-22.16	-20.88	-19.13	-17.46
1-May-09	-19.36	-20.19	-20.84	-21.3	-21.76	-21.97	-22.05	-22.16	-22.01	-20.84	-19.16	-17.49
2-May-09	-19.04	-19.87	-20.51	-20.99	-21.49	-21.77	-21.81	-21.95	-21.88	-20.82	-19.2	-17.5
3-May-09	-18.68	-19.56	-20.2	-20.71	-21.2	-21.52	-21.59	-21.73	-21.8	-20.78	-19.17	-17.53
4-May-09	-18.33	-19.24	-19.9	-20.41	-20.93	-21.24	-21.38	-21.56	-21.59	-20.72	-19.17	-17.54
5-May-09	-18.03	-18.97	-19.59	-20.13	-20.71	-21.06	-21.16	-21.38	-21.45	-20.61	-19.17	-17.59
6-May-09	-17.78	-18.64	-19.33	-19.86	-20.43	-20.85	-20.92	-21.16	-21.34	-20.54	-19.13	-17.59
7-May-09	-17.66	-18.45	-19.13	-19.63	-20.23	-20.61	-20.71	-20.95	-21.13	-20.51	-19.13	-17.62
8-May-09	-17.5	-18.25	-18.9	-19.39	-19.96	-20.33	-20.57	-20.78	-20.99	-20.4	-19.13	-17.65
9-May-09	-17.34	-18.07	-18.71	-19.2	-19.79	-20.13	-20.37	-20.61	-20.82	-20.3	-19.1	-17.62
10-May-09	-17.19	-17.91	-18.51	-19.03	-19.59	-19.96	-20.13	-20.4	-20.71	-20.23	-19.1	-17.66
11-May-09	-17.04	-17.75	-18.36	-18.84	-19.4	-19.8	-19.97	-20.24	-20.54	-20.17	-19.04	-17.69
12-May-09	-16.88	-17.6	-18.2	-18.65	-19.23	-19.6	-19.8	-20.1	-20.37	-20.07	-19.04	-17.66
13-May-09	-16.64	-17.41	-18.01	-18.49	-19.04	-19.44	-19.6	-19.94	-20.21	-20.01	-19.04	-17.66
14-May-09	-16.4	-17.23	-17.86	-18.3	-18.91	-19.27	-19.51	-19.77	-20.11	-19.91	-18.98	-17.67

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL3

Bulb	TH3_1	TH3_2	TH3_3	TH3_4	TH3_5	TH3_6	TH3_7	TH3_8	TH3_9	TH3_10	TH3_11	TH3_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
15-May-09	-16.13	-16.98	-17.64	-18.14	-18.72	-19.11	-19.27	-19.61	-19.97	-19.81	-18.98	-17.67
16-May-09	-15.89	-16.77	-17.45	-17.95	-18.56	-18.95	-19.18	-19.47	-19.84	-19.71	-18.91	-17.7
17-May-09	-15.71	-16.52	-17.23	-17.76	-18.33	-18.78	-18.98	-19.31	-19.71	-19.64	-18.88	-17.67
18-May-09	-15.53	-16.34	-17.01	-17.54	-18.17	-18.59	-18.81	-19.17	-19.54	-19.54	-18.85	-17.66
19-May-09	-15.33	-16.17	-16.8	-17.36	-17.99	-18.47	-18.63	-18.99	-19.41	-19.45	-18.79	-17.64
20-May-09	-15.04	-15.9	-16.59	-17.18	-17.8	-18.24	-18.5	-18.86	-19.28	-19.38	-18.76	-17.67
21-May-09	-14.58	-15.58	-16.33	-16.97	-17.65	-18.1	-18.35	-18.71	-19.13	-19.26	-18.74	-17.69
22-May-09	-14.09	-15.13	-16	-16.69	-17.43	-17.87	-18.19	-18.54	-19.03	-19.19	-18.7	-17.62
23-May-09	-13.68	-14.72	-15.66	-16.38	-17.14	-17.67	-17.96	-18.34	-18.86	-19.12	-18.63	-17.64
24-May-09	-13.4	-14.4	-15.33	-16.11	-16.87	-17.43	-17.8	-18.15	-18.73	-19.02	-18.57	-17.61
25-May-09	-13.19	-14.19	-15.06	-15.86	-16.67	-17.23	-17.57	-18.01	-18.55	-18.91	-18.55	-17.63
26-May-09	-12.68	-13.87	-14.82	-15.56	-16.43	-16.98	-17.38	-17.76	-18.42	-18.81	-18.46	-17.6
27-May-09	-12.05	-13.4	-14.48	-15.33	-16.2	-16.77	-17.14	-17.64	-18.27	-18.69	-18.4	-17.55
28-May-09	-11.28	-12.8	-14.02	-14.92	-15.9	-16.53	-16.93	-17.42	-18.08	-18.62	-18.37	-17.55
29-May-09	-10.49	-12.16	-13.45	-14.57	-15.56	-16.25	-16.71	-17.23	-17.92	-18.46	-18.33	-17.54
30-May-09	-9.93	-11.53	-12.94	-14.08	-15.18	-15.95	-16.47	-16.99	-17.76	-18.43	-18.3	-17.48
31-May-09	-9.41	-11.06	-12.46	-13.68	-14.8	-15.65	-16.16	-16.74	-17.57	-18.3	-18.2	-17.48
1-Jun-09	-8.91	-10.57	-12	-13.23	-14.43	-15.27	-15.9	-16.5	-17.39	-18.18	-18.14	-17.45
2-Jun-09	-8.43	-10.14	-11.61	-12.86	-14.08	-14.95	-15.6	-16.23	-17.17	-18.05	-18.11	-17.42
3-Jun-09	-8.01	-9.72	-11.2	-12.44	-13.74	-14.66	-15.3	-15.96	-16.99	-17.96	-18.05	-17.39
4-Jun-09	-7.72	-9.36	-10.85	-12.11	-13.39	-14.37	-15.04	-15.72	-16.77	-17.83	-17.99	-17.39
5-Jun-09	-7.43	-9.04	-10.52	-11.8	-13.08	-14.02	-14.74	-15.45	-16.56	-17.7	-17.92	-17.36
6-Jun-09	-7.27	-8.78	-10.25	-11.47	-12.78	-13.79	-14.45	-15.18	-16.35	-17.55	-17.83	-17.33
7-Jun-09	-7.09	-8.57	-9.99	-11.2	-12.5	-13.51	-14.2	-14.95	-16.08	-17.42	-17.77	-17.27
8-Jun-09	-6.832	-8.36	-9.77	-10.99	-12.26	-13.23	-13.92	-14.69	-15.9	-17.27	-17.74	-17.24
9-Jun-09	-6.543	-8.1	-9.51	-10.75	-12.01	-12.98	-13.72	-14.43	-15.69	-17.12	-17.65	-17.21
10-Jun-09	-6.229	-7.83	-9.27	-10.5	-11.79	-12.76	-13.46	-14.23	-15.49	-17	-17.55	-17.18
11-Jun-09	-5.924	-7.55	-9.01	-10.24	-11.52	-12.54	-13.21	-14.04	-15.29	-16.88	-17.5	-17.16
12-Jun-09	-5.611	-7.26	-8.77	-10	-11.27	-12.32	-12.99	-13.81	-15.08	-16.73	-17.41	-17.1
13-Jun-09	-5.324	-6.973	-8.5	-9.76	-11.08	-12.04	-12.79	-13.58	-14.91	-16.57	-17.34	-17.06
14-Jun-09	-5.033	-6.708	-8.24	-9.51	-10.83	-11.85	-12.54	-13.38	-14.7	-16.45	-17.25	-17
15-Jun-09	-4.77	-6.443	-8	-9.27	-10.59	-11.62	-12.34	-13.18	-14.52	-16.3	-17.15	-16.97
16-Jun-09	-4.556	-6.203	-7.73	-9.03	-10.37	-11.4	-12.12	-12.95	-14.32	-16.14	-17.06	-16.93
17-Jun-09	-4.325	-5.971	-7.49	-8.76	-10.13	-11.16	-11.93	-12.73	-14.15	-16.03	-17	-16.84
18-Jun-09	-4.118	-5.71	-7.28	-8.55	-9.89	-10.94	-11.68	-12.54	-13.92	-15.85	-16.88	-16.81
19-Jun-09	-3.883	-5.501	-7.05	-8.34	-9.7	-10.72	-11.46	-12.34	-13.75	-15.76	-16.81	-16.78
20-Jun-09	-3.602	-5.245	-6.816	-8.13	-9.49	-10.54	-11.27	-12.13	-13.58	-15.61	-16.73	-16.73
21-Jun-09	-3.315	-4.984	-6.553	-7.89	-9.25	-10.32	-11.05	-11.93	-13.38	-15.46	-16.6	-16.7
22-Jun-09	-3.055	-4.749	-6.344	-7.68	-9.04	-10.08	-10.84	-11.71	-13.19	-15.32	-16.54	-16.64
23-Jun-09	-2.82	-4.489	-6.108	-7.45	-8.82	-9.89	-10.65	-11.52	-12.99	-15.17	-16.45	-16.54
24-Jun-09	-2.716	-4.306	-5.925	-7.24	-8.64	-9.7	-10.46	-11.3	-12.82	-15.02	-16.36	-16.48
25-Jun-09	-2.559	-4.15	-5.716	-7.03	-8.42	-9.49	-10.24	-11.14	-12.65	-14.91	-16.27	-16.45
26-Jun-09	-2.362	-3.978	-5.543	-6.852	-8.22	-9.28	-10.06	-10.93	-12.47	-14.74	-16.16	-16.4
27-Jun-09	-2.101	-3.769	-5.36	-6.694	-8.04	-9.1	-9.87	-10.74	-12.3	-14.59	-16.07	-16.34
28-Jun-09	-1.83	-3.525	-5.142	-6.476	-7.87	-8.93	-9.7	-10.57	-12.1	-14.47	-15.97	-16.27
29-Jun-09	-1.589	-3.31	-4.952	-6.284	-7.7	-8.76	-9.51	-10.39	-11.95	-14.34	-15.9	-16.2
30-Jun-09	-1.333	-3.081	-4.724	-6.082	-7.47	-8.53	-9.33	-10.21	-11.77	-14.18	-15.76	-16.15
1-Jul-09	-1.17	-2.867	-4.535	-5.894	-7.31	-8.37	-9.14	-10.05	-11.6	-14.06	-15.7	-16.06
2-Jul-09	-1.12	-2.713	-4.329	-5.687	-7.13	-8.18	-8.93	-9.86	-11.43	-13.92	-15.58	-16.03
3-Jul-09	-1.097	-2.611	-4.202	-5.533	-6.947	-8	-8.8	-9.68	-11.27	-13.78	-15.49	-15.94
4-Jul-09	-1.063	-2.526	-4.09	-5.395	-6.783	-7.86	-8.63	-9.51	-11.1	-13.63	-15.4	-15.91
5-Jul-09	-1.059	-2.495	-4.008	-5.287	-6.648	-7.67	-8.47	-9.37	-10.96	-13.52	-15.28	-15.81
6-Jul-09	-1.06	-2.445	-3.905	-5.158	-6.492	-7.54	-8.31	-9.19	-10.77	-13.38	-15.22	-15.75
7-Jul-09	-1.045	-2.403	-3.863	-5.062	-6.396	-7.42	-8.16	-9.06	-10.65	-13.24	-15.11	-15.7
8-Jul-09	-0.993	-2.351	-3.785	-4.984	-6.291	-7.26	-8.03	-8.93	-10.51	-13.13	-14.99	-15.64
9-Jul-09	-0.949	-2.281	-3.716	-4.89	-6.198	-7.2	-7.91	-8.78	-10.36	-12.98	-14.92	-15.54
10-Jul-09	-0.981	-2.235	-3.617	-4.817	-6.098	-7.07	-7.78	-8.65	-10.23	-12.84	-14.81	-15.49
11-Jul-09	-0.952	-2.205	-3.586	-4.707	-5.987	-6.956	-7.67	-8.54	-10.09	-12.75	-14.74	-15.41
12-Jul-09	-0.876	-2.156	-3.487	-4.634	-5.862	-6.858	-7.54	-8.41	-9.96	-12.62	-14.64	-15.34
13-Jul-09	-0.85	-2.104	-3.435	-4.556	-5.784	-6.753	-7.44	-8.31	-9.83	-12.51	-14.52	-15.28
14-Jul-09	-0.822	-2.049	-3.379	-4.473	-5.7	-6.642	-7.35	-8.2	-9.71	-12.38	-14.45	-15.21
15-Jul-09	-0.743	-2.023	-3.326	-4.421	-5.621	-6.563	-7.22	-8.09	-9.61	-12.24	-14.33	-15.15
16-Jul-09	-0.638	-1.945	-3.274	-4.369	-5.569	-6.485	-7.14	-7.98	-9.5	-12.16	-14.28	-15.09
17-Jul-09	-0.548	-1.881	-3.211	-4.28	-5.48	-6.396	-7.03	-7.9	-9.38	-12.04	-14.15	-15.02
18-Jul-09	-0.522	-1.803	-3.107	-4.202	-5.402	-6.318	-6.947	-7.79	-9.28	-11.93	-14.07	-14.94
19-Jul-09	-0.455	-1.736	-3.066	-4.134	-5.308	-6.223	-6.852	-7.69	-9.18	-11.83	-13.99	-14.89
20-Jul-09	-0.377	-1.684	-3.014	-4.056	-5.256	-6.144	-6.773	-7.59	-9.07	-11.75	-13.9	-14.8

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL3

Bulb	TH3_1	TH3_2	TH3_3	TH3_4	TH3_5	TH3_6	TH3_7	TH3_8	TH3_9	TH3_10	TH3_11	TH3_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
07/21/09	-0.346	-1.653	-2.931	-3.974	-5.147	-6.036	-6.665	-7.51	-8.99	-11.63	-13.82	-14.74
07/22/09	-0.332	-1.588	-2.893	-3.91	-5.084	-5.946	-6.575	-7.39	-8.9	-11.51	-13.72	-14.67
07/23/09	-0.338	-1.515	-2.794	-3.837	-5.01	-5.899	-6.501	-7.32	-8.8	-11.41	-13.64	-14.59
07/24/09	-0.321	-1.498	-2.75	-3.792	-4.94	-5.801	-6.43	-7.24	-8.7	-11.33	-13.56	-14.53
07/25/09	-0.22	-1.475	-2.701	-3.717	-4.864	-5.726	-6.328	-7.14	-8.59	-11.23	-13.45	-14.48
07/26/09	-0.143	-1.451	-2.677	-3.667	-4.814	-5.676	-6.251	-7.06	-8.52	-11.15	-13.39	-14.39
07/27/09	-0.076	-1.385	-2.637	-3.628	-4.749	-5.611	-6.187	-6.973	-8.42	-11.03	-13.3	-14.33
07/28/09	-0.117	-1.373	-2.574	-3.565	-4.687	-5.522	-6.098	-6.911	-8.34	-10.94	-13.21	-14.26
07/29/09	-0.221	-1.321	-2.522	-3.513	-4.634	-5.444	-6.019	-6.832	-8.26	-10.86	-13.15	-14.2
07/30/09	-0.274	-1.295	-2.496	-3.461	-4.556	-5.392	-5.941	-6.753	-8.18	-10.77	-13.04	-14.12
07/31/09	-0.26	-1.306	-2.429	-3.42	-4.515	-5.324	-5.899	-6.685	-8.11	-10.67	-12.99	-14.07
08/01/09	-0.184	-1.283	-2.431	-3.37	-4.465	-5.274	-5.849	-6.608	-8	-10.59	-12.88	-13.98
08/02/09	-0.154	-1.28	-2.402	-3.341	-4.41	-5.219	-5.767	-6.553	-7.95	-10.51	-12.79	-13.95
08/03/09	-0.062	-1.24	-2.388	-3.3	-4.369	-5.151	-5.7	-6.485	-7.85	-10.44	-12.75	-13.88
08/04/09	0.016	-1.214	-2.336	-3.248	-4.317	-5.099	-5.648	-6.432	-7.8	-10.36	-12.66	-13.82
08/05/09	0.122	-1.187	-2.309	-3.222	-4.264	-5.047	-5.595	-6.353	-7.75	-10.3	-12.61	-13.73
08/06/09	0.186	-1.149	-2.272	-3.133	-4.228	-5.01	-5.533	-6.291	-7.66	-10.21	-12.51	-13.7
08/07/09	0.265	-1.123	-2.246	-3.133	-4.176	-4.958	-5.48	-6.239	-7.6	-10.13	-12.46	-13.64
08/08/09	0.238	-1.097	-2.194	-3.081	-4.15	-4.906	-5.428	-6.16	-7.53	-10.05	-12.37	-13.55
08/09/09	0.291	-1.071	-2.168	-3.055	-4.071	-4.854	-5.35	-6.108	-7.45	-9.97	-12.29	-13.5
08/10/09	0.317	-1.045	-2.142	-3.029	-4.045	-4.802	-5.324	-6.056	-7.39	-9.92	-12.24	-13.44
08/11/09	0.268	-0.99	-2.113	-2.974	-4.017	-4.773	-5.243	-6.001	-7.31	-9.86	-12.18	-13.38
08/12/09	0.304	-0.98	-2.078	-2.939	-3.93	-4.686	-5.208	-5.94	-7.28	-9.77	-12.12	-13.32
08/13/09	0.156	-0.944	-2.016	-2.877	-3.921	-4.651	-5.147	-5.88	-7.19	-9.71	-12.05	-13.26
08/14/09	0.01	-0.933	-2.004	-2.865	-3.83	-4.612	-5.082	-5.814	-7.15	-9.64	-11.98	-13.21
08/15/09	0.015	-0.928	-2	-2.809	-3.826	-4.556	-5.026	-5.758	-7.09	-9.59	-11.92	-13.15
08/16/09	0.06	-0.935	-1.954	-2.789	-3.78	-4.51	-4.98	-5.711	-7.02	-9.51	-11.85	-13.07
08/17/09	0.12	-0.902	-1.948	-2.757	-3.748	-4.478	-4.948	-5.679	-6.963	-9.45	-11.79	-13.04
08/18/09	0.089	-0.906	-1.925	-2.734	-3.699	-4.429	-4.925	-5.604	-6.914	-9.38	-11.71	-12.98
08/19/09	0.093	-0.902	-1.921	-2.704	-3.695	-4.4	-4.869	-5.575	-6.858	-9.32	-11.65	-12.9
08/20/09	0.067	-0.902	-1.895	-2.678	-3.643	-4.347	-4.817	-5.522	-6.806	-9.27	-11.59	-12.87
08/21/09	0.001	-0.89	-1.858	-2.641	-3.606	-4.311	-4.78	-5.486	-6.743	-9.2	-11.53	-12.8
08/22/09	-0.078	-0.864	-1.858	-2.641	-3.606	-4.285	-4.728	-5.434	-6.691	-9.12	-11.47	-12.75
08/23/09	-0.15	-0.883	-1.851	-2.608	-3.548	-4.252	-4.67	-5.375	-6.659	-9.09	-11.44	-12.72
08/24/09	-0.209	-0.916	-1.832	-2.589	-3.502	-4.206	-4.65	-5.355	-6.612	-9.04	-11.36	-12.66
08/25/09	-0.195	-0.902	-1.817	-2.574	-3.513	-4.191	-4.608	-5.313	-6.543	-8.97	-11.29	-12.59
08/26/09	-0.121	-0.907	-1.821	-2.552	-3.491	-4.143	-4.586	-5.265	-6.495	-8.92	-11.24	-12.54
08/27/09	-0.025	-0.915	-1.83	-2.534	-3.473	-4.125	-4.542	-5.22	-6.45	-8.85	-11.19	-12.49
08/28/09	0.107	-0.914	-1.803	-2.507	-3.446	-4.097	-4.515	-5.193	-6.422	-8.82	-11.16	-12.46
08/29/09	0.172	-0.902	-1.791	-2.522	-3.408	-4.06	-4.504	-5.156	-6.386	-8.76	-11.1	-12.39
08/30/09	0.146	-0.876	-1.791	-2.522	-3.409	-4.061	-4.452	-5.104	-6.334	-8.71	-11.02	-12.34
08/31/09	0.068	-0.875	-1.79	-2.495	-3.382	-4.007	-4.425	-5.077	-6.307	-8.68	-10.99	-12.28
09/01/09	-0.038	-0.85	-1.739	-2.47	-3.356	-3.982	-4.373	-5.052	-6.255	-8.63	-10.94	-12.26
09/02/09	-0.061	-0.847	-1.762	-2.441	-3.328	-3.98	-4.345	-5.024	-6.2	-8.55	-10.88	-12.2
09/03/09	-0.011	-0.875	-1.738	-2.443	-3.329	-3.955	-4.294	-4.973	-6.176	-8.52	-10.8	-12.14
09/04/09	-0.052	-0.864	-1.727	-2.432	-3.293	-3.919	-4.311	-4.937	-6.14	-8.46	-10.76	-12.08
09/05/09	-0.175	-0.856	-1.719	-2.398	-3.26	-3.86	-4.277	-4.93	-6.081	-8.4	-10.7	-12.05
09/06/09	-0.276	-0.826	-1.715	-2.395	-3.256	-3.856	-4.248	-4.874	-6.051	-8.34	-10.67	-11.96
09/07/09	-0.335	-0.859	-1.722	-2.349	-3.237	-3.837	-4.202	-4.828	-6.031	-8.32	-10.63	-11.94
09/08/09	-0.354	-0.878	-1.715	-2.369	-3.204	-3.83	-4.195	-4.822	-5.973	-8.26	-10.57	-11.91
09/09/09	-0.354	-0.878	-1.715	-2.342	-3.204	-3.804	-4.169	-4.796	-5.947	-8.24	-10.54	-11.85
09/10/09	-0.381	-0.905	-1.715	-2.342	-3.178	-3.778	-4.143	-4.77	-5.92	-8.21	-10.48	-11.82
09/11/09	-0.395	-0.919	-1.704	-2.331	-3.167	-3.741	-4.106	-4.707	-5.884	-8.15	-10.45	-11.76
09/12/09	-0.447	-0.945	-1.704	-2.279	-3.14	-3.741	-4.08	-4.707	-5.832	-8.12	-10.37	-11.73
09/13/09	-0.48	-0.977	-1.736	-2.285	-3.12	-3.72	-4.034	-4.686	-5.811	-8.05	-10.34	-11.65
09/14/09	-0.512	-1.009	-1.742	-2.316	-3.152	-3.7	-4.013	-4.665	-5.763	-8.02	-10.3	-11.63
09/15/09	-0.599	-1.044	-1.776	-2.324	-3.133	-3.707	-4.02	-4.647	-5.744	-7.95	-10.22	-11.58
09/16/09	-0.643	-1.088	-1.768	-2.342	-3.125	-3.7	-4.013	-4.613	-5.737	-7.95	-10.21	-11.55
09/17/09	-0.721	-1.14	-1.82	-2.342	-3.125	-3.647	-3.987	-4.587	-5.711	-7.92	-10.16	-11.49
09/18/09	-0.776	-1.169	-1.823	-2.372	-3.129	-3.625	-3.965	-4.566	-5.664	-7.87	-10.12	-11.45
09/19/09	-0.854	-1.247	-1.875	-2.372	-3.129	-3.652	-3.965	-4.54	-5.638	-7.85	-10.09	-11.42
09/20/09	-1.038	-1.326	-1.901	-2.398	-3.103	-3.652	-3.939	-4.513	-5.612	-7.79	-10.03	-11.37
09/21/09	-1.419	-1.497	-1.994	-2.413	-3.144	-3.614	-3.902	-4.503	-5.601	-7.76	-10	-11.33
09/22/09	-1.993	-1.837	-2.15	-2.464	-3.17	-3.666	-3.927	-4.476	-5.574	-7.73	-9.94	-11.27
09/23/09	-2.633	-2.241	-2.398	-2.633	-3.234	-3.678	-3.939	-4.513	-5.507	-7.69	-9.93	-11.26
09/24/09	-3.055	-2.69	-2.716	-2.794	-3.316	-3.682	-3.969	-4.491	-5.537	-7.67	-9.88	-11.18
09/25/09	-3.286	-2.999	-2.999	-3.025	-3.469	-3.782	-3.991	-4.513	-5.533	-7.64	-9.85	-11.15

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL3

Bulb	TH3_1	TH3_2	TH3_3	TH3_4	TH3_5	TH3_6	TH3_7	TH3_8	TH3_9	TH3_10	TH3_11	TH3_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
09/26/09	-3.512	-3.225	-3.225	-3.225	-3.616	-3.878	-4.034	-4.557	-5.525	-7.57	-9.78	-11.11
09/27/09	-3.855	-3.515	-3.463	-3.411	-3.724	-3.986	-4.116	-4.56	-5.528	-7.55	-9.76	-11.09
09/28/09	-4.148	-3.782	-3.73	-3.625	-3.913	-4.122	-4.2	-4.644	-5.533	-7.5	-9.71	-11.06
09/29/09	-4.357	-4.017	-3.886	-3.808	-4.043	-4.2	-4.278	-4.67	-5.559	-7.5	-9.71	-11.04
09/30/09	-4.44	-4.205	-4.127	-3.944	-4.205	-4.336	-4.388	-4.78	-5.591	-7.48	-9.64	-10.96
10/01/09	-4.498	-4.315	-4.289	-4.132	-4.367	-4.472	-4.472	-4.864	-5.622	-7.49	-9.64	-10.94
10/02/09	-4.472	-4.394	-4.394	-4.289	-4.498	-4.55	-4.576	-4.942	-5.674	-7.49	-9.56	-10.91
10/03/09	-4.508	-4.404	-4.456	-4.378	-4.613	-4.691	-4.665	-5.031	-5.712	-7.47	-9.55	-10.84
10/04/09	-4.712	-4.529	-4.529	-4.477	-4.712	-4.79	-4.764	-5.078	-5.732	-7.44	-9.51	-10.84
10/05/09	-5.026	-4.764	-4.66	-4.555	-4.816	-4.843	-4.816	-5.13	-5.785	-7.41	-9.49	-10.81
10/06/09	-5.319	-4.979	-4.901	-4.744	-4.927	-4.953	-4.901	-5.215	-5.817	-7.42	-9.47	-10.76
10/07/09	-5.481	-5.193	-5.062	-4.905	-5.036	-5.088	-5.01	-5.298	-5.9	-7.48	-9.44	-10.74
10/08/09	-5.555	-5.319	-5.188	-5.031	-5.135	-5.188	-5.083	-5.345	-5.948	-7.47	-9.39	-10.68
10/09/09	-5.711	-5.397	-5.292	-5.109	-5.266	-5.266	-5.161	-5.423	-5.974	-7.45	-9.39	-10.66
10/10/09	-6	-5.607	-5.45	-5.266	-5.371	-5.345	-5.266	-5.528	-6.026	-7.47	-9.36	-10.63
10/11/09	-6.368	-5.843	-5.633	-5.397	-5.502	-5.476	-5.345	-5.581	-6.105	-7.47	-9.33	-10.6
10/12/09	-6.7	-6.148	-5.885	-5.57	-5.623	-5.597	-5.466	-5.675	-6.121	-7.49	-9.3	-10.59
10/13/09	-7.04	-6.465	-6.15	-5.783	-5.809	-5.731	-5.573	-5.783	-6.176	-7.52	-9.27	-10.51
10/14/09	-7.16	-6.688	-6.347	-6.005	-5.979	-5.822	-5.638	-5.822	-6.268	-7.53	-9.29	-10.5
10/15/09	-7.27	-6.799	-6.536	-6.142	-6.142	-6.01	-5.801	-5.932	-6.352	-7.54	-9.26	-10.48
10/16/09	-7.5	-6.999	-6.683	-6.315	-6.289	-6.131	-5.922	-6.053	-6.394	-7.53	-9.23	-10.44
10/17/09	-7.69	-7.16	-6.869	-6.5	-6.421	-6.264	-6.053	-6.159	-6.474	-7.58	-9.26	-10.42
10/18/09	-8.07	-7.38	-7.02	-6.621	-6.568	-6.384	-6.174	-6.279	-6.542	-7.6	-9.22	-10.43
10/19/09	-8.52	-7.76	-7.28	-6.858	-6.726	-6.515	-6.253	-6.384	-6.621	-7.62	-9.22	-10.38
10/20/09	-8.83	-8.06	-7.61	-7.05	-6.92	-6.657	-6.394	-6.499	-6.71	-7.63	-9.23	-10.39
10/21/09	-8.92	-8.3	-7.8	-7.27	-7.11	-6.849	-6.533	-6.586	-6.823	-7.67	-9.21	-10.34
10/22/09	-9.19	-8.49	-7.99	-7.49	-7.33	-7.04	-6.696	-6.749	-6.907	-7.73	-9.22	-10.32
10/23/09	-9.44	-8.75	-8.21	-7.66	-7.47	-7.15	-6.811	-6.864	-6.969	-7.79	-9.2	-10.3
10/24/09	-9.8	-9.02	-8.43	-7.87	-7.63	-7.34	-6.974	-6.974	-7.05	-7.79	-9.2	-10.31
10/25/09	-10.23	-9.31	-8.7	-8.11	-7.85	-7.5	-7.11	-7.11	-7.19	-7.85	-9.2	-10.28
10/26/09	-10.56	-9.64	-9	-8.36	-8.06	-7.67	-7.27	-7.24	-7.27	-7.9	-9.18	-10.26
10/27/09	-10.8	-9.91	-9.29	-8.59	-8.28	-7.88	-7.43	-7.4	-7.38	-7.93	-9.24	-10.26
10/28/09	-10.94	-10.12	-9.48	-8.78	-8.46	-8.04	-7.64	-7.53	-7.48	-7.96	-9.21	-10.23
10/29/09	-11.12	-10.27	-9.65	-9.04	-8.66	-8.24	-7.81	-7.71	-7.6	-8.02	-9.22	-10.22
10/30/09	-11.39	-10.49	-9.87	-9.2	-8.85	-8.42	-7.97	-7.84	-7.73	-8.08	-9.25	-10.19
10/31/09	-11.72	-10.77	-10.09	-9.39	-9.01	-8.61	-8.11	-8	-7.84	-8.13	-9.25	-10.19
11/01/09	-12.08	-11.06	-10.35	-9.62	-9.25	-8.79	-8.26	-8.13	-7.97	-8.21	-9.28	-10.22
11/02/09	-12.54	-11.4	-10.63	-9.85	-9.42	-8.94	-8.46	-8.3	-8.08	-8.27	-9.26	-10.17
11/03/09	-13.16	-11.84	-10.96	-10.12	-9.63	-9.12	-8.62	-8.43	-8.19	-8.32	-9.28	-10.17
11/04/09	-13.68	-12.38	-11.35	-10.43	-9.91	-9.35	-8.78	-8.6	-8.33	-8.44	-9.32	-10.18
11/05/09	-13.99	-12.77	-11.76	-10.8	-10.18	-9.58	-8.99	-8.75	-8.46	-8.46	-9.32	-10.18
11/06/09	-14.34	-13.06	-12.13	-11.08	-10.48	-9.86	-9.19	-8.95	-8.6	-8.52	-9.35	-10.16
11/07/09	-14.56	-13.21	-12.43	-11.4	-10.69	-10.07	-9.42	-9.15	-8.73	-8.59	-9.34	-10.18
11/08/09	-14.58	-13.38	-12.56	-11.5	-10.93	-10.3	-9.63	-9.33	-8.91	-8.69	-9.39	-10.14
11/09/09	-14.68	-13.59	-12.65	-11.74	-11.13	-10.53	-9.83	-9.58	-9.05	-8.78	-9.4	-10.15
11/10/09	-14.95	-13.79	-12.8	-11.96	-11.41	-10.75	-10.05	-9.75	-9.21	-8.84	-9.43	-10.15
11/11/09	-15.22	-14.06	-13	-12.16	-11.58	-10.92	-10.22	-9.89	-9.36	-8.95	-9.49	-10.16
11/12/09	-15.3	-14.24	-13.3	-12.4	-11.82	-11.13	-10.42	-10.1	-9.53	-9.02	-9.5	-10.2
11/13/09	-15.03	-14.25	-13.47	-12.57	-11.96	-11.27	-10.59	-10.26	-9.67	-9.11	-9.54	-10.16
11/14/09	-14.69	-14.11	-13.45	-12.66	-12.1	-11.47	-10.76	-10.43	-9.81	-9.19	-9.57	-10.19
11/15/09	-14.31	-13.91	-13.37	-12.66	-12.22	-11.61	-10.92	-10.57	-9.95	-9.28	-9.63	-10.16
11/16/09	-13.89	-13.66	-13.24	-12.65	-12.25	-11.65	-11.04	-10.74	-10.12	-9.39	-9.66	-10.2
11/17/09	-13.45	-13.34	-13.03	-12.52	-12.22	-11.75	-11.12	-10.82	-10.25	-9.49	-9.71	-10.19
11/18/09	-13.13	-13.01	-12.79	-12.42	-12.17	-11.73	-11.18	-10.91	-10.34	-9.58	-9.74	-10.23
11/19/09	-13.28	-12.91	-12.66	-12.27	-12.1	-11.71	-11.19	-10.94	-10.48	-9.7	-9.8	-10.24
11/20/09	-13.84	-13.13	-12.73	-12.26	-12.06	-11.68	-11.21	-11.02	-10.53	-9.77	-9.82	-10.28
11/21/09	-14.57	-13.56	-12.97	-12.38	-12.13	-11.71	-11.24	-11.05	-10.62	-9.83	-9.88	-10.29
11/22/09	-15.08	-14.03	-13.29	-12.58	-12.25	-11.8	-11.28	-11.09	-10.65	-9.92	-9.95	-10.3
11/23/09	-15.32	-14.35	-13.6	-12.87	-12.42	-11.95	-11.42	-11.15	-10.74	-10.01	-10.01	-10.3
11/24/09	-15.33	-14.51	-13.79	-13.05	-12.6	-12.07	-11.52	-11.27	-10.81	-10.07	-10.05	-10.32
11/25/09	-15.15	-14.5	-13.93	-13.21	-12.76	-12.21	-11.62	-11.4	-10.88	-10.12	-10.1	-10.37
11/26/09	-14.94	-14.42	-13.93	-13.27	-12.85	-12.34	-11.76	-11.49	-10.97	-10.23	-10.15	-10.39
11/27/09	-14.83	-14.39	-13.9	-13.33	-12.94	-12.43	-11.85	-11.63	-11.08	-10.27	-10.18	-10.4
11/28/09	-14.65	-14.27	-13.84	-13.33	-12.96	-12.48	-11.93	-11.68	-11.18	-10.34	-10.2	-10.39
11/29/09	-14.53	-14.15	-13.81	-13.27	-12.98	-12.54	-12.03	-11.76	-11.26	-10.42	-10.28	-10.42
11/30/09	-14.66	-14.14	-13.73	-13.25	-13	-12.57	-12.04	-11.82	-11.33	-10.48	-10.29	-10.48
12/01/09	-14.93	-14.26	-13.86	-13.32	-13.03	-12.61	-12.11	-11.89	-11.45	-10.54	-10.33	-10.49

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL3

Bulb	TH3_1	TH3_2	TH3_3	TH3_4	TH3_5	TH3_6	TH3_7	TH3_8	TH3_9	TH3_10	TH3_11	TH3_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
12/02/09	-15.26	-14.56	-13.95	-13.43	-13.07	-12.64	-12.14	-11.95	-11.48	-10.63	-10.39	-10.5
12/03/09	-15.38	-14.7	-14.15	-13.55	-13.18	-12.73	-12.23	-12.01	-11.54	-10.72	-10.47	-10.55
12/04/09	-15.33	-14.77	-14.25	-13.68	-13.28	-12.86	-12.35	-12.07	-11.61	-10.76	-10.48	-10.54
12/05/09	-15.07	-14.69	-14.26	-13.71	-13.37	-12.94	-12.38	-12.16	-11.69	-10.84	-10.51	-10.57
12/06/09	-15.21	-14.62	-14.21	-13.72	-13.41	-13.01	-12.45	-12.23	-11.76	-10.88	-10.6	-10.6
12/07/09	-15.85	-14.93	-14.34	-13.77	-13.45	-13.03	-12.52	-12.3	-11.82	-10.94	-10.64	-10.62
12/08/09	-16.57	-15.39	-14.65	-13.93	-13.56	-13.1	-12.57	-12.37	-11.87	-10.99	-10.66	-10.66
12/09/09	-17.41	-15.97	-15.04	-14.2	-13.74	-13.22	-12.69	-12.44	-11.94	-11.05	-10.7	-10.67
12/10/09	-18.21	-16.58	-15.52	-14.55	-14	-13.4	-12.8	-12.52	-12.02	-11.11	-10.75	-10.7
12/11/09	-19.06	-17.24	-16.01	-14.94	-14.3	-13.61	-12.95	-12.67	-12.08	-11.17	-10.79	-10.73
12/12/09	-19.7	-17.87	-16.57	-15.36	-14.63	-13.87	-13.16	-12.82	-12.2	-11.24	-10.83	-10.74
12/13/09	-20.07	-18.38	-17.06	-15.78	-14.98	-14.13	-13.39	-12.99	-12.32	-11.29	-10.88	-10.77
12/14/09	-20.26	-18.73	-17.43	-16.2	-15.3	-14.45	-13.62	-13.25	-12.46	-11.35	-10.91	-10.8
12/15/09	-20.1	-18.9	-17.71	-16.48	-15.63	-14.75	-13.88	-13.42	-12.6	-11.46	-10.97	-10.83
12/16/09	-19.73	-18.74	-17.74	-16.69	-15.84	-14.95	-14.13	-13.62	-12.77	-11.52	-11	-10.86
12/17/09	-19.36	-18.58	-17.71	-16.75	-15.99	-15.16	-14.34	-13.82	-12.91	-11.6	-11.05	-10.89
12/18/09	-19.15	-18.4	-17.64	-16.77	-16.07	-15.29	-14.47	-13.98	-13.07	-11.7	-11.09	-10.93
12/19/09	-19.08	-18.33	-17.6	-16.76	-16.12	-15.41	-14.61	-14.15	-13.23	-11.78	-11.15	-10.93
12/20/09	-18.82	-18.24	-17.54	-16.77	-16.19	-15.47	-14.7	-14.3	-13.35	-11.87	-11.21	-11.02
12/21/09	-18.5	-17.98	-17.45	-16.74	-16.19	-15.56	-14.79	-14.38	-13.46	-11.97	-11.26	-11.01
12/22/09	-18.49	-17.85	-17.32	-16.67	-16.18	-15.55	-14.87	-14.46	-13.59	-12.07	-11.3	-11.05
12/23/09	-18.73	-17.96	-17.33	-16.65	-16.19	-15.59	-14.94	-14.53	-13.69	-12.14	-11.37	-11.07
12/24/09	-19.03	-18.13	-17.43	-16.72	-16.23	-15.63	-14.98	-14.6	-13.79	-12.26	-11.43	-11.1
12/25/09	-19.49	-18.48	-17.62	-16.81	-16.32	-15.72	-15.07	-14.66	-13.88	-12.35	-11.52	-11.13
12/26/09	-19.6	-18.64	-17.85	-17	-16.45	-15.82	-15.1	-14.75	-13.94	-12.41	-11.52	-11.17
12/27/09	-19.48	-18.72	-17.95	-17.14	-16.58	-15.92	-15.23	-14.82	-14.03	-12.5	-11.61	-11.23
12/28/09	-19.55	-18.73	-17.99	-17.2	-16.68	-16.04	-15.32	-14.94	-14.13	-12.59	-11.67	-11.26
12/29/09	-19.7	-18.84	-18.1	-17.28	-16.75	-16.11	-15.42	-15.04	-14.19	-12.65	-11.71	-11.29
12/30/09	-20.17	-19.1	-18.26	-17.43	-16.87	-16.2	-15.54	-15.12	-14.31	-12.74	-11.76	-11.32
12/31/09	-20.7	-19.45	-18.53	-17.57	-16.98	-16.31	-15.61	-15.23	-14.38	-12.8	-11.83	-11.36
01/01/10	-21.42	-19.9	-18.84	-17.85	-17.16	-16.45	-15.72	-15.34	-14.48	-12.88	-11.88	-11.38
01/02/10	-21.75	-20.35	-19.21	-18.13	-17.41	-16.63	-15.88	-15.46	-14.57	-12.97	-11.93	-11.44
01/03/10	-21.83	-20.57	-19.49	-18.41	-17.61	-16.84	-16.04	-15.59	-14.68	-13.04	-12.01	-11.46
01/04/10	-21.7	-20.64	-19.66	-18.6	-17.83	-17.02	-16.22	-15.74	-14.79	-13.12	-12.06	-11.5
01/05/10	-21.96	-20.76	-19.77	-18.71	-18	-17.19	-16.36	-15.87	-14.89	-13.19	-12.1	-11.54
01/06/10	-22.3	-21.02	-19.95	-18.92	-18.14	-17.35	-16.52	-16	-15.05	-13.28	-12.19	-11.58
01/07/10	-22.74	-21.26	-20.15	-19.08	-18.3	-17.48	-16.67	-16.15	-15.17	-13.37	-12.22	-11.6
01/08/10	-23.23	-21.65	-20.46	-19.32	-18.5	-17.67	-16.83	-16.31	-15.29	-13.46	-12.3	-11.69
01/09/10	-23.65	-22.05	-20.81	-19.58	-18.72	-17.83	-16.98	-16.46	-15.4	-13.54	-12.35	-11.69
01/10/10	-23.92	-22.38	-21.12	-19.85	-18.96	-18.05	-17.17	-16.61	-15.53	-13.66	-12.39	-11.75
01/11/10	-24.2	-22.68	-21.38	-20.13	-19.19	-18.25	-17.37	-16.78	-15.68	-13.72	-12.48	-11.81
01/12/10	-24.35	-22.9	-21.62	-20.4	-19.42	-18.47	-17.55	-16.96	-15.8	-13.81	-12.53	-11.83
01/13/10	-24.46	-23.04	-21.83	-20.6	-19.65	-18.66	-17.76	-17.1	-15.94	-13.94	-12.58	-11.88
01/14/10	-24.73	-23.26	-22	-20.77	-19.84	-18.88	-17.91	-17.28	-16.09	-14.02	-12.65	-11.9
01/15/10	-24.96	-23.47	-22.25	-20.97	-20.04	-19.04	-18.1	-17.47	-16.27	-14.11	-12.71	-11.96
01/16/10	-24.87	-23.62	-22.42	-21.16	-20.23	-19.22	-18.28	-17.64	-16.41	-14.21	-12.78	-12
01/17/10	-24.82	-23.57	-22.45	-21.3	-20.36	-19.39	-18.47	-17.8	-16.55	-14.32	-12.86	-12.05
01/18/10	-25.05	-23.71	-22.58	-21.39	-20.48	-19.54	-18.61	-17.97	-16.69	-14.45	-12.93	-12.09
01/19/10	-25.49	-23.94	-22.73	-21.53	-20.66	-19.7	-18.74	-18.1	-16.81	-14.54	-12.99	-12.15
01/20/10	-25.84	-24.31	-23.01	-21.76	-20.81	-19.85	-18.89	-18.25	-16.99	-14.64	-13.06	-12.19
01/21/10	-26	-24.5	-23.27	-21.98	-21.02	-19.99	-19.05	-18.37	-17.11	-14.76	-13.14	-12.24
01/22/10	-26.05	-24.71	-23.46	-22.16	-21.2	-20.2	-19.22	-18.54	-17.24	-14.88	-13.21	-12.28
01/23/10	-26.01	-24.76	-23.59	-22.32	-21.35	-20.34	-19.37	-18.71	-17.37	-14.98	-13.28	-12.35
01/24/10	-25.85	-24.71	-23.62	-22.46	-21.52	-20.51	-19.56	-18.87	-17.53	-15.1	-13.36	-12.4
01/25/10	-25.64	-24.64	-23.63	-22.5	-21.6	-20.65	-19.7	-19	-17.69	-15.19	-13.45	-12.43
01/26/10	-25.37	-24.53	-23.6	-22.55	-21.68	-20.73	-19.81	-19.15	-17.79	-15.29	-13.49	-12.5
01/27/10	-25.05	-24.29	-23.49	-22.48	-21.72	-20.84	-19.91	-19.25	-17.92	-15.41	-13.57	-12.53
01/28/10	-24.75	-24.09	-23.32	-22.43	-21.74	-20.86	-20	-19.36	-18.06	-15.51	-13.64	-12.6
01/29/10	-24.79	-23.96	-23.24	-22.38	-21.7	-20.88	-20.06	-19.46	-18.15	-15.62	-13.75	-12.64
01/30/10	-25.12	-24.13	-23.25	-22.36	-21.68	-20.9	-20.08	-19.54	-18.26	-15.73	-13.83	-12.69
01/31/10	-25.11	-24.24	-23.36	-22.43	-21.74	-20.96	-20.14	-19.6	-18.35	-15.81	-13.9	-12.76
02/01/10	-25.15	-24.23	-23.43	-22.49	-21.8	-21.02	-20.2	-19.66	-18.41	-15.92	-13.98	-12.81
02/02/10	-25.24	-24.33	-23.44	-22.55	-21.89	-21.08	-20.28	-19.71	-18.52	-16	-14.06	-12.89
02/03/10	-25.19	-24.36	-23.55	-22.61	-21.92	-21.14	-20.34	-19.8	-18.58	-16.11	-14.13	-12.93
02/04/10	-25.07	-24.28	-23.51	-22.64	-21.95	-21.2	-20.4	-19.83	-18.67	-16.2	-14.21	-12.99
02/05/10	-25.18	-24.3	-23.49	-22.63	-22.01	-21.26	-20.46	-19.92	-18.76	-16.27	-14.29	-13.06
02/06/10	-25.43	-24.43	-23.54	-22.68	-22.02	-21.27	-20.51	-19.96	-18.83	-16.38	-14.36	-13.13

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL3

Bulb	TH3_1	TH3_2	TH3_3	TH3_4	TH3_5	TH3_6	TH3_7	TH3_8	TH3_9	TH3_10	TH3_11	TH3_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
02/07/10	-25.47	-24.55	-23.69	-22.75	-22.09	-21.34	-20.57	-20.06	-18.9	-16.44	-14.44	-13.15
02/08/10	-25.55	-24.59	-23.77	-22.86	-22.16	-21.41	-20.61	-20.09	-18.96	-16.53	-14.5	-13.21
02/09/10	-25.68	-24.67	-23.82	-22.91	-22.24	-21.49	-20.68	-20.17	-19.03	-16.6	-14.57	-13.27
02/10/10	-25.64	-24.75	-23.89	-22.98	-22.32	-21.56	-20.75	-20.24	-19.1	-16.69	-14.66	-13.33
02/11/10	-25.6	-24.75	-23.93	-23.02	-22.35	-21.6	-20.86	-20.31	-19.17	-16.75	-14.74	-13.42
02/12/10	-25.57	-24.76	-23.98	-23.1	-22.44	-21.71	-20.9	-20.39	-19.24	-16.82	-14.78	-13.46
02/13/10	-25.29	-24.66	-23.95	-23.12	-22.49	-21.73	-20.95	-20.47	-19.35	-16.9	-14.88	-13.5
02/14/10	-24.96	-24.44	-23.86	-23.06	-22.47	-21.78	-21.04	-20.52	-19.4	-16.97	-14.93	-13.57
02/15/10	-24.78	-24.27	-23.69	-23.04	-22.45	-21.8	-21.06	-20.57	-19.46	-17.06	-15.01	-13.62
02/16/10	-24.46	-24.07	-23.57	-22.93	-22.45	-21.8	-21.09	-20.61	-19.52	-17.09	-15.06	-13.67
02/17/10	-24.15	-23.88	-23.42	-22.82	-22.38	-21.77	-21.1	-20.64	-19.59	-17.18	-15.13	-13.79
02/18/10	-23.85	-23.62	-23.24	-22.68	-22.28	-21.74	-21.1	-20.65	-19.63	-17.25	-15.18	-13.82
02/19/10	-24.1	-23.56	-23.11	-22.55	-22.22	-21.68	-21.08	-20.63	-19.67	-17.32	-15.28	-13.85
02/20/10	-24.73	-23.83	-23.22	-22.55	-22.15	-21.65	-21.04	-20.66	-19.71	-17.38	-15.34	-13.91
02/21/10	-25.39	-24.23	-23.46	-22.68	-22.24	-21.66	-21.06	-20.64	-19.72	-17.46	-15.38	-13.95
02/22/10	-25.75	-24.66	-23.76	-22.89	-22.34	-21.72	-21.09	-20.67	-19.72	-17.48	-15.46	-14.03
02/23/10	-25.94	-24.93	-24.02	-23.11	-22.48	-21.83	-21.19	-20.7	-19.75	-17.51	-15.53	-14.09
02/24/10	-25.79	-25.02	-24.16	-23.28	-22.64	-21.95	-21.2	-20.75	-19.8	-17.59	-15.61	-14.14
02/25/10	-25.26	-24.78	-24.15	-23.35	-22.75	-22.06	-21.31	-20.89	-19.9	-17.65	-15.66	-14.22
02/26/10	-24.71	-24.39	-23.92	-23.27	-22.75	-22.09	-21.41	-20.95	-19.92	-17.68	-15.68	-14.24
02/27/10	-24.74	-24.22	-23.72	-23.15	-22.67	-22.08	-21.44	-20.98	-19.98	-17.73	-15.73	-14.29
02/28/10	-25.13	-24.34	-23.76	-23.11	-22.66	-22.08	-21.47	-21.04	-20.01	-17.82	-15.78	-14.34
03/01/10	-25.66	-24.65	-23.91	-23.19	-22.66	-22.08	-21.43	-21.04	-20.08	-17.85	-15.84	-14.4
03/02/10	-26.16	-25.05	-24.18	-23.34	-22.78	-22.15	-21.47	-21.08	-20.11	-17.91	-15.91	-14.43
03/03/10	-26.51	-25.39	-24.47	-23.54	-22.9	-22.24	-21.55	-21.09	-20.13	-17.96	-15.95	-14.47
03/04/10	-26.68	-25.64	-24.71	-23.73	-23.09	-22.39	-21.66	-21.17	-20.2	-18	-16.02	-14.53
03/05/10	-26.68	-25.72	-24.87	-23.93	-23.24	-22.5	-21.77	-21.28	-20.27	-18.06	-16.08	-14.6
03/06/10	-26.63	-25.76	-24.95	-24.04	-23.39	-22.64	-21.88	-21.38	-20.33	-18.12	-16.1	-14.65
03/07/10	-26.64	-25.8	-25.03	-24.12	-23.47	-22.72	-21.99	-21.49	-20.41	-18.16	-16.17	-14.68
03/08/10	-26.68	-25.88	-25.06	-24.19	-23.58	-22.82	-22.09	-21.55	-20.5	-18.22	-16.22	-14.73
03/09/10	-26.73	-25.94	-25.12	-24.25	-23.63	-22.91	-22.18	-21.64	-20.59	-18.26	-16.27	-14.78
03/10/10	-26.58	-25.91	-25.18	-24.34	-23.73	-23.01	-22.23	-21.73	-20.71	-18.35	-16.29	-14.83
03/11/10	-26.11	-25.7	-25.09	-24.34	-23.76	-23.04	-22.34	-21.83	-20.74	-18.4	-16.37	-14.88
03/12/10	-25.69	-25.36	-24.88	-24.25	-23.71	-23.1	-22.36	-21.89	-20.8	-18.49	-16.42	-14.93
03/13/10	-25.49	-25.16	-24.68	-24.13	-23.67	-23.07	-22.4	-21.93	-20.87	-18.56	-16.49	-14.99
03/14/10	-25.38	-25.01	-24.58	-23.99	-23.61	-23.04	-22.38	-21.94	-20.91	-18.6	-16.53	-15
03/15/10	-25.16	-24.88	-24.48	-23.9	-23.55	-23.02	-22.36	-21.96	-20.97	-18.65	-16.57	-15.07
03/16/10	-25.13	-24.77	-24.34	-23.83	-23.45	-22.96	-22.37	-21.94	-21.01	-18.73	-16.62	-15.12
03/17/10	-25.04	-24.68	-24.29	-23.78	-23.4	-22.91	-22.36	-21.96	-21	-18.78	-16.69	-15.16
03/18/10	-25.04	-24.6	-24.21	-23.71	-23.36	-22.88	-22.32	-21.93	-21.04	-18.81	-16.73	-15.22
03/19/10	-25.11	-24.67	-24.2	-23.66	-23.32	-22.83	-22.32	-21.92	-21.03	-18.87	-16.81	-15.24
03/20/10	-25.16	-24.72	-24.21	-23.67	-23.29	-22.84	-22.29	-21.93	-21.07	-18.88	-16.85	-15.28
03/21/10	-25.21	-24.73	-24.26	-23.68	-23.33	-22.81	-22.26	-21.93	-21.05	-18.95	-16.89	-15.35
03/22/10	-25.12	-24.68	-24.25	-23.67	-23.33	-22.84	-22.29	-21.92	-21.07	-18.98	-16.94	-15.4
03/23/10	-25.12	-24.68	-24.21	-23.67	-23.29	-22.84	-22.29	-21.93	-21.07	-19.01	-16.97	-15.43
03/24/10	-25.16	-24.72	-24.21	-23.67	-23.33	-22.84	-22.29	-21.96	-21.11	-19.07	-17.04	-15.49
03/25/10	-25.24	-24.76	-24.25	-23.7	-23.32	-22.84	-22.29	-21.96	-21.11	-19.1	-17.06	-15.57
03/26/10	-25.28	-24.8	-24.29	-23.71	-23.33	-22.88	-22.29	-21.96	-21.15	-19.11	-17.1	-15.58
03/27/10	-25.18	-24.78	-24.27	-23.77	-23.35	-22.9	-22.39	-22.02	-21.13	-19.13	-17.19	-15.6
03/28/10	-24.81	-24.61	-24.26	-23.72	-23.41	-22.89	-22.37	-22.01	-21.19	-19.22	-17.24	-15.69
03/29/10	-24.08	-24.16	-24.01	-23.62	-23.32	-22.87	-22.35	-22.03	-21.17	-19.2	-17.28	-15.7
03/30/10	-23.42	-23.69	-23.65	-23.42	-23.2	-22.82	-22.31	-21.98	-21.2	-19.23	-17.31	-15.75
03/31/10	-23.05	-23.24	-23.28	-23.13	-23.01	-22.72	-22.24	-21.95	-21.24	-19.27	-17.37	-15.79
04/01/10	-22.75	-22.98	-23.01	-22.83	-22.79	-22.53	-22.17	-21.95	-21.24	-19.3	-17.37	-15.82
04/02/10	-22.6	-22.75	-22.82	-22.64	-22.6	-22.42	-22.05	-21.84	-21.23	-19.32	-17.4	-15.9
04/03/10	-22.5	-22.58	-22.61	-22.47	-22.43	-22.28	-21.92	-21.74	-21.18	-19.34	-17.44	-15.91
04/04/10	-22.34	-22.45	-22.45	-22.34	-22.31	-22.16	-21.87	-21.7	-21.13	-19.39	-17.52	-15.96
04/05/10	-22.28	-22.35	-22.31	-22.17	-22.2	-22.02	-21.74	-21.56	-21.06	-19.36	-17.53	-15.99
04/06/10	-22.25	-22.28	-22.21	-22.07	-22.07	-21.92	-21.64	-21.49	-21.04	-19.37	-17.57	-16.03
04/07/10	-21.98	-22.13	-22.09	-22.02	-21.98	-21.8	-21.59	-21.45	-20.96	-19.36	-17.59	-16.05
04/08/10	-21.85	-21.96	-21.96	-21.85	-21.92	-21.74	-21.46	-21.31	-20.93	-19.37	-17.6	-16.09
04/09/10	-21.74	-21.85	-21.89	-21.74	-21.78	-21.6	-21.39	-21.28	-20.83	-19.37	-17.66	-16.15
04/10/10	-21.59	-21.7	-21.74	-21.63	-21.67	-21.52	-21.28	-21.21	-20.79	-19.33	-17.63	-16.18
04/11/10	-21.53	-21.64	-21.6	-21.53	-21.57	-21.46	-21.18	-21.11	-20.73	-19.37	-17.66	-16.19
04/12/10	-21.37	-21.48	-21.51	-21.41	-21.48	-21.37	-21.09	-21.06	-20.67	-19.32	-17.68	-16.23
04/13/10	-21.38	-21.42	-21.42	-21.35	-21.38	-21.28	-21.07	-21	-20.65	-19.33	-17.69	-16.27
04/14/10	-21.36	-21.43	-21.36	-21.25	-21.29	-21.22	-20.97	-20.87	-20.56	-19.28	-17.73	-16.31

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL3

Bulb	TH3_1	TH3_2	TH3_3	TH3_4	TH3_5	TH3_6	TH3_7	TH3_8	TH3_9	TH3_10	TH3_11	TH3_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.0 M	5.0 M	7.0 M	11.0 M
04/15/10	-21.06	-21.27	-21.3	-21.23	-21.23	-21.09	-20.88	-20.85	-20.5	-19.29	-17.71	-16.36
04/16/10	-20.3	-20.81	-21.09	-21.06	-21.09	-21.06	-20.85	-20.74	-20.47	-19.26	-17.78	-16.36
04/17/10	-19.75	-20.33	-20.71	-20.77	-20.95	-20.91	-20.74	-20.71	-20.4	-19.22	-17.74	-16.38
04/18/10	-19.35	-19.96	-20.33	-20.53	-20.74	-20.81	-20.6	-20.6	-20.4	-19.22	-17.77	-16.38
04/19/10	-19.16	-19.72	-20.09	-20.26	-20.5	-20.57	-20.5	-20.53	-20.26	-19.19	-17.77	-16.41
04/20/10	-18.95	-19.48	-19.81	-20.01	-20.32	-20.42	-20.32	-20.35	-20.18	-19.15	-17.8	-16.43
04/21/10	-18.89	-19.32	-19.65	-19.82	-20.12	-20.26	-20.16	-20.26	-20.09	-19.12	-17.77	-16.47
04/22/10	-18.77	-19.22	-19.49	-19.65	-20.02	-20.09	-20.09	-20.12	-20.02	-19.09	-17.77	-16.47
04/23/10	-18.41	-18.96	-19.36	-19.56	-19.82	-19.96	-19.89	-20.03	-19.93	-19.1	-17.78	-16.51
04/24/10	-18.07	-18.65	-19.07	-19.33	-19.66	-19.83	-19.8	-19.87	-19.87	-19.04	-17.85	-16.52
04/25/10	-17.66	-18.36	-18.84	-19.1	-19.46	-19.66	-19.66	-19.76	-19.73	-18.97	-17.78	-16.55
04/26/10	-17.26	-18.01	-18.55	-18.88	-19.3	-19.5	-19.5	-19.64	-19.64	-18.98	-17.82	-16.55
04/27/10	-16.89	-17.64	-18.24	-18.63	-19.05	-19.31	-19.38	-19.51	-19.58	-18.92	-17.83	-16.59
04/28/10	-16.52	-17.32	-17.95	-18.33	-18.85	-19.11	-19.18	-19.34	-19.44	-18.85	-17.79	-16.61
04/29/10	-16.18	-16.97	-17.66	-18.13	-18.61	-18.94	-19	-19.2	-19.33	-18.81	-17.78	-16.6
04/30/10	-16.06	-16.76	-17.41	-17.85	-18.39	-18.71	-18.84	-19.04	-19.24	-18.78	-17.76	-16.64
05/01/10	-15.94	-16.6	-17.19	-17.66	-18.19	-18.51	-18.61	-18.84	-19.1	-18.68	-17.75	-16.63
05/02/10	-15.9	-16.51	-17.06	-17.43	-17.97	-18.29	-18.45	-18.67	-18.96	-18.61	-17.75	-16.6
05/03/10	-15.91	-16.45	-16.94	-17.31	-17.81	-18.13	-18.29	-18.58	-18.81	-18.55	-17.69	-16.63
05/04/10	-15.8	-16.31	-16.86	-17.16	-17.73	-18.04	-18.11	-18.43	-18.72	-18.52	-17.69	-16.64
05/05/10	-15.5	-16.16	-16.67	-17.07	-17.54	-17.88	-17.98	-18.23	-18.59	-18.43	-17.69	-16.67
05/06/10	-15.2	-15.95	-16.49	-16.89	-17.42	-17.73	-17.86	-18.11	-18.43	-18.36	-17.63	-16.67
05/07/10	-14.97	-15.7	-16.31	-16.73	-17.23	-17.6	-17.76	-18.04	-18.36	-18.26	-17.66	-16.67
05/08/10	-14.88	-15.53	-16.1	-16.55	-17.07	-17.41	-17.57	-17.88	-18.23	-18.23	-17.57	-16.67
05/09/10	-14.82	-15.41	-15.98	-16.4	-16.92	-17.29	-17.44	-17.76	-18.11	-18.14	-17.6	-16.64
05/10/10	-14.7	-15.32	-15.86	-16.28	-16.76	-17.16	-17.32	-17.6	-17.98	-18.04	-17.54	-16.64
05/11/10	-14.6	-15.21	-15.74	-16.13	-16.68	-17.02	-17.17	-17.48	-17.89	-17.99	-17.51	-16.65
05/12/10	-14.38	-15.05	-15.59	-15.98	-16.55	-16.89	-17.07	-17.38	-17.79	-17.92	-17.48	-16.64
05/13/10	-14.27	-14.85	-15.44	-15.86	-16.43	-16.76	-16.95	-17.26	-17.66	-17.85	-17.48	-16.58
05/14/10	-14.15	-14.73	-15.32	-15.74	-16.28	-16.64	-16.83	-17.13	-17.54	-17.76	-17.41	-16.61
05/15/10	-14.13	-14.65	-15.18	-15.62	-16.13	-16.53	-16.71	-17.02	-17.45	-17.7	-17.36	-16.59
05/16/10	-13.96	-14.57	-15.07	-15.48	-16.02	-16.38	-16.53	-16.9	-17.33	-17.58	-17.36	-16.59
05/17/10	-13.7	-14.36	-14.92	-15.36	-15.92	-16.25	-16.47	-16.77	-17.23	-17.55	-17.3	-16.56
05/18/10	-13.42	-14.1	-14.74	-15.18	-15.74	-16.16	-16.35	-16.68	-17.11	-17.48	-17.27	-16.56
05/19/10	-13.19	-13.87	-14.48	-15	-15.59	-15.98	-16.19	-16.55	-17.01	-17.39	-17.2	-16.55
05/20/10	-12.99	-13.65	-14.31	-14.83	-15.45	-15.83	-16.07	-16.38	-16.93	-17.3	-17.17	-16.53
05/21/10	-12.85	-13.5	-14.16	-14.65	-15.27	-15.68	-15.95	-16.31	-16.8	-17.23	-17.14	-16.53
05/22/10	-12.63	-13.33	-13.99	-14.48	-15.12	-15.54	-15.77	-16.13	-16.68	-17.14	-17.05	-16.5
05/23/10	-12.47	-13.12	-13.8	-14.34	-14.95	-15.4	-15.63	-16.02	-16.6	-17.09	-17.06	-16.48
05/24/10	-12.22	-12.92	-13.63	-14.17	-14.81	-15.22	-15.51	-15.9	-16.47	-17.03	-17.03	-16.44
05/25/10	-11.81	-12.67	-13.43	-14	-14.66	-15.13	-15.37	-15.78	-16.35	-16.9	-16.93	-16.44
05/26/10	-11.51	-12.4	-13.18	-13.78	-14.47	-14.96	-15.25	-15.64	-16.21	-16.82	-16.91	-16.42
05/27/10	-11.24	-12.12	-12.93	-13.55	-14.26	-14.79	-15.11	-15.49	-16.12	-16.79	-16.88	-16.42
05/28/10	-10.86	-11.84	-12.68	-13.35	-14.09	-14.61	-14.93	-15.37	-16.03	-16.7	-16.82	-16.39
05/29/10	-10.5	-11.51	-12.42	-13.12	-13.89	-14.44	-14.76	-15.2	-15.88	-16.57	-16.79	-16.36
05/30/10	-10.21	-11.24	-12.15	-12.87	-13.69	-14.26	-14.58	-15.05	-15.76	-16.54	-16.73	-16.33
05/31/10	-9.89	-10.94	-11.9	-12.62	-13.44	-14.04	-14.44	-14.91	-15.64	-16.46	-16.7	-16.3
06/01/10	-9.52	-10.63	-11.61	-12.38	-13.22	-13.82	-14.25	-14.74	-15.5	-16.34	-16.62	-16.28
06/02/10	-9.06	-10.27	-11.3	-12.13	-13.02	-13.65	-14.05	-14.56	-15.36	-16.25	-16.58	-16.25
06/03/10	-8.53	-9.84	-10.97	-11.85	-12.74	-13.44	-13.87	-14.42	-15.23	-16.16	-16.55	-16.22
06/04/10	-8.05	-9.41	-10.59	-11.52	-12.52	-13.22	-13.67	-14.22	-15.09	-16.07	-16.46	-16.19
06/05/10	-7.67	-9	-10.21	-11.18	-12.23	-12.96	-13.46	-14.03	-14.93	-15.97	-16.42	-16.15
06/06/10	-7.32	-8.67	-9.9	-10.87	-11.94	-12.72	-13.22	-13.82	-14.77	-15.89	-16.38	-16.13
06/07/10	-6.901	-8.33	-9.58	-10.6	-11.69	-12.47	-13	-13.62	-14.6	-15.78	-16.32	-16.11
06/08/10	-6.576	-7.97	-9.25	-10.3	-11.41	-12.24	-12.8	-13.42	-14.45	-15.68	-16.25	-16.1
06/09/10	-6.273	-7.67	-8.94	-10.01	-11.15	-11.97	-12.55	-13.2	-14.25	-15.57	-16.2	-16.05
06/10/10	-5.967	-7.38	-8.65	-9.72	-10.88	-11.73	-12.34	-13.01	-14.12	-15.49	-16.14	-15.99
06/11/10	-5.679	-7.12	-8.41	-9.48	-10.64	-11.51	-12.12	-12.78	-13.94	-15.34	-16.05	-15.96
06/12/10	-5.35	-6.816	-8.16	-9.22	-10.4	-11.27	-11.9	-12.6	-13.75	-15.23	-16	-15.94
06/13/10	-5.016	-6.534	-7.9	-8.96	-10.17	-11.06	-11.69	-12.39	-13.59	-15.12	-15.96	-15.9
06/14/10	-4.749	-6.239	-7.6	-8.74	-9.95	-10.84	-11.46	-12.21	-13.41	-15.02	-15.88	-15.88
06/15/10	-4.489	-6.003	-7.37	-8.5	-9.7	-10.65	-11.27	-12.01	-13.24	-14.91	-15.79	-15.82
06/16/10	-4.176	-5.716	-7.13	-8.27	-9.49	-10.4	-11.08	-11.82	-13.05	-14.79	-15.73	-15.79
06/17/10	-3.785	-5.402	-6.868	-8.03	-9.28	-10.21	-10.86	-11.63	-12.88	-14.64	-15.64	-15.73
06/18/10	-3.367	-5.089	-6.58	-7.76	-9.04	-10	-10.65	-11.41	-12.71	-14.53	-15.61	-15.7
06/19/10	-3.002	-4.723	-6.265	-7.5	-8.8	-9.76	-10.46	-11.22	-12.54	-14.41	-15.52	-15.67
06/20/10	-2.648	-4.394	-5.987	-7.25	-8.57	-9.55	-10.22	-11.04	-12.38	-14.31	-15.44	-15.62

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL3

Bulb	TH3_1	TH3_2	TH3_3	TH3_4	TH3_5	TH3_6	TH3_7	TH3_8	TH3_9	TH3_10	TH3_11	TH3_12
Depth	**0.75 M**	**1.00 M**	**1.25 M**	**1.50 M**	**1.75 M**	**2.00 M**	**2.25 M**	**2.50 M**	**3.0 M**	**5.0 M**	**7.0 M**	**11.0 M**
06/21/10	-2.272	-4.097	-5.689	-6.973	-8.29	-9.3	-10.03	-10.81	-12.21	-14.15	-15.38	-15.55
06/22/10	-1.974	-3.748	-5.392	-6.701	-8.04	-9.08	-9.8	-10.61	-12.03	-14.03	-15.28	-15.52
06/23/10	-1.743	-3.491	-5.109	-6.416	-7.81	-8.84	-9.56	-10.43	-11.84	-13.89	-15.19	-15.49
06/24/10	-1.594	-3.263	-4.88	-6.187	-7.58	-8.64	-9.36	-10.21	-11.66	-13.78	-15.11	-15.44
06/25/10	-1.434	-3.103	-4.64	-5.971	-7.36	-8.42	-9.16	-10.02	-11.51	-13.66	-15.07	-15.36
06/26/10	-1.119	-2.893	-4.456	-5.761	-7.18	-8.2	-8.97	-9.8	-11.32	-13.51	-14.95	-15.3
06/27/10	-0.795	-2.649	-4.239	-5.569	-6.957	-8.01	-8.78	-9.61	-11.15	-13.39	-14.89	-15.24
06/28/10	-0.458	-2.416	-4.006	-5.362	-6.775	-7.83	-8.57	-9.42	-10.96	-13.25	-14.8	-15.21
06/29/10	-0.179	-2.165	-3.806	-5.162	-6.547	-7.62	-8.39	-9.24	-10.8	-13.12	-14.69	-15.16
06/30/10	0.187	-1.93	-3.546	-4.953	-6.364	-7.44	-8.18	-9.05	-10.61	-12.98	-14.6	-15.07
07/01/10	0.502	-1.747	-3.416	-4.744	-6.181	-7.23	-8.02	-8.89	-10.45	-12.84	-14.52	-15.01
07/02/10	0.686	-1.591	-3.233	-4.588	-6.024	-7.07	-7.84	-8.74	-10.29	-12.73	-14.43	-14.98
07/03/10	0.962	-1.472	-3.088	-4.442	-5.851	-6.898	-7.69	-8.56	-10.13	-12.6	-14.35	-14.9
07/04/10	1.29	-1.356	-2.973	-4.302	-5.684	-6.731	-7.52	-8.39	-9.99	-12.48	-14.26	-14.84
07/05/10	1.567	-1.263	-2.854	-4.156	-5.538	-6.584	-7.37	-8.24	-9.84	-12.32	-14.15	-14.79
07/06/10	1.933	-1.136	-2.753	-4.029	-5.41	-6.456	-7.22	-8.09	-9.68	-12.21	-14.07	-14.73
07/07/10	2.223	-1.06	-2.626	-3.929	-5.285	-6.304	-7.06	-7.93	-9.53	-12.08	-13.96	-14.66
07/08/10	2.253	-0.978	-2.544	-3.822	-5.151	-6.171	-6.931	-7.8	-9.39	-11.97	-13.88	-14.59
07/09/10	2.227	-0.926	-2.44	-3.717	-5.047	-6.066	-6.826	-7.67	-9.26	-11.86	-13.82	-14.57
07/10/10	2.015	-0.85	-2.365	-3.617	-4.948	-5.941	-6.701	-7.54	-9.13	-11.73	-13.72	-14.49
07/11/10	1.289	-0.786	-2.302	-3.502	-4.833	-5.826	-6.56	-7.43	-8.99	-11.61	-13.62	-14.43
07/12/10	0.777	-0.797	-2.208	-3.434	-4.738	-5.731	-6.464	-7.3	-8.87	-11.51	-13.55	-14.35
07/13/10	0.696	-0.798	-2.157	-3.331	-4.635	-5.601	-6.334	-7.2	-8.76	-11.4	-13.43	-14.29
07/14/10	0.79	-0.783	-2.142	-3.263	-4.567	-5.533	-6.239	-7.08	-8.64	-11.3	-13.36	-14.24

NOTES:

Signifies the warmest temperature recorded for individual thermistor strings during the calendar year.

THE BULBS WITH NEGATIVE DEPTHS WERE INSTALLED ABOVE GROUND
IN JULY 2006 THE ABOVE GROUND BULBS WERE BURIED NEAR SURFACE TO KEEP THEM SAFE BUT DATA IS TO BE IGNORED
DO NOT USE DATA FOR BULBS WITH NEGATIVE DEPTHS (I.E. ERASED THEIR DATA)
FOR GRAPH USED DATA FROM TH4-7 AND DEEPER

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL4

Bulb	TH4_1	TH4_2	TH4_3	TH4_4	TH4_5	TH4_6	TH4_7	TH4_8	TH4_9	TH4_10	TH4_11	TH4_12
Depth	-1.33	-1.08	-0.83	-0.58	-0.33	-0.08	0.17 M	0.42 M	0.92 M	2.92 M	4.92 M	8.92 M
01/01/09							-24.43	-23.69	-21.48	-18.22	-15.39	-13.45
01/02/09							-21.46	-21.96	-21.28	-18.26	-15.49	-13.54
01/03/09							-24.3	-22.45	-20.84	-18.31	-15.59	-13.64
01/04/09							-25.41	-23.18	-20.84	-18.3	-15.65	-13.72
01/05/09							-26.9	-24.05	-21	-18.26	-15.76	-13.82
01/06/09							-28.94	-25.27	-21.38	-18.32	-15.81	-13.9
01/07/09							-30.59	-26.76	-21.88	-18.41	-15.89	-14.01
01/08/09							-31.47	-27.58	-22.49	-18.53	-15.94	-14.09
01/09/09							-32.49	-28.51	-23	-18.72	-16.03	-14.14
01/10/09							-32.34	-28.98	-23.58	-18.93	-16.1	-14.24
01/11/09							-31.28	-28.48	-23.92	-19.16	-16.22	-14.3
01/12/09							-31.23	-28.43	-24.12	-19.39	-16.34	-14.38
01/13/09							-31.13	-28.52	-24.31	-19.62	-16.47	-14.47
01/14/09							-31.13	-28.71	-24.52	-19.83	-16.6	-14.54
01/15/09							-31.47	-28.42	-24.62	-20.02	-16.73	-14.64
01/16/09							-31.28	-28.84	-24.75	-20.2	-16.87	-14.73
01/17/09							-29.51	-28.54	-24.93	-20.35	-17.01	-14.85
01/18/09							-28.9	-27.73	-24.88	-20.52	-17.16	-14.96
01/19/09							-26.58	-26.75	-24.7	-20.67	-17.3	-15.06
01/20/09							-25.99	-25.74	-24.38	-20.74	-17.42	-15.15
01/21/09							-26.74	-25.57	-24.02	-20.8	-17.54	-15.26
01/22/09							-27.3	-25.77	-23.83	-20.8	-17.66	-15.37
01/23/09							-27.82	-26.02	-23.78	-20.8	-17.75	-15.49
01/24/09							-28.26	-26.31	-23.86	-20.8	-17.85	-15.58
01/25/09							-26.21	-26.08	-23.96	-20.82	-17.9	-15.69
01/26/09							-24	-24.55	-23.77	-20.85	-18	-15.75
01/27/09							-23.69	-23.77	-23.31	-20.89	-18.06	-15.84
01/28/09							-24.38	-23.61	-22.93	-20.81	-18.12	-15.92
01/29/09							-25.74	-24.22	-22.81	-20.77	-18.18	-16.01
01/30/09							-27.94	-25.19	-22.87	-20.68	-18.22	-16.08
01/31/09							-30.3	-26.72	-23.24	-20.64	-18.25	-16.16
02/01/09							-31.37	-27.97	-23.8	-20.67	-18.27	-16.22
02/02/09							-28.86	-27.74	-24.33	-20.77	-18.3	-16.28
02/03/09							-29.4	-27.11	-24.44	-20.93	-18.35	-16.35
02/04/09							-31.03	-28.03	-24.47	-21.06	-18.41	-16.38
02/05/09							-30.69	-28.25	-24.75	-21.2	-18.48	-16.44
02/06/09							-31.03	-28.52	-24.99	-21.27	-18.57	-16.5
02/07/09							-31.48	-28.89	-25.23	-21.45	-18.64	-16.56
02/08/09							-32.14	-29.49	-25.51	-21.59	-18.73	-16.65
02/09/09							-32.6	-29.81	-25.79	-21.72	-18.79	-16.7
02/10/09							-31.79	-29.92	-26.09	-21.88	-18.87	-16.75
02/11/09							-31.78	-29.68	-26.21	-22.06	-18.99	-16.83
02/12/09							-30.41	-29.31	-26.31	-22.18	-19.11	-16.91
02/13/09							-31.08	-28.93	-26.21	-22.35	-19.22	-16.99
02/14/09							-32.85	-29.71	-26.24	-22.44	-19.31	-17.07
02/15/09							-32.91	-30.34	-26.5	-22.56	-19.42	-17.17
02/16/09							-33.23	-30.48	-26.75	-22.67	-19.51	-17.23
02/17/09							-35.36	-31.46	-27	-22.8	-19.63	-17.34
02/18/09							-35.71	-32.38	-27.43	-22.92	-19.73	-17.4
02/19/09							-30.7	-31.1	-27.82	-23.11	-19.81	-17.48
02/20/09							-33.02	-30.24	-27.58	-23.31	-19.92	-17.57
02/21/09							-34.36	-31.12	-27.48	-23.41	-20.05	-17.66
02/22/09							-34.64	-31.67	-27.66	-23.53	-20.15	-17.72
02/23/09							-33.55	-31.42	-27.89	-23.61	-20.26	-17.83
02/24/09							-32.86	-31.03	-27.89	-23.77	-20.4	-17.93
02/25/09							-33.76	-31.37	-27.93	-23.84	-20.46	-18.02
02/26/09							-30.41	-30.26	-27.95	-23.94	-20.59	-18.07
02/27/09							-30.94	-30.02	-27.68	-24.01	-20.69	-18.17
02/28/09							-30.59	-29.31	-27.5	-24.09	-20.79	-18.29
03/01/09							-32.49	-29.95	-27.36	-24.07	-20.84	-18.37
03/02/09							-32.19	-30.59	-27.5	-24.12	-20.96	-18.44
03/03/09							-31.43	-30.01	-27.63	-24.12	-21	-18.51
03/04/09							-33.38	-30.62	-27.61	-24.18	-21.08	-18.62

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL4

Bulb	TH4_1	TH4_2	TH4_3	TH4_4	TH4_5	TH4_6	TH4_7	TH4_8	TH4_9	TH4_10	TH4_11	TH4_12
Depth	-1.33	-1.08	-0.83	-0.58	-0.33	-0.08	0.17 M	0.42 M	0.92 M	2.92 M	4.92 M	8.92 M
03/05/09							-33.71	-31.27	-27.8	-24.23	-21.16	-18.69
03/06/09							-33.82	-31.47	-28.02	-24.31	-21.23	-18.79
03/07/09							-33.33	-31.37	-28.2	-24.38	-21.3	-18.82
03/08/09							-33.44	-31.32	-28.24	-24.46	-21.33	-18.92
03/09/09							-35.08	-32.07	-28.37	-24.61	-21.43	-18.98
03/10/09							-35.99	-32.84	-28.64	-24.68	-21.49	-19.04
03/11/09							-35.82	-33.27	-29.01	-24.77	-21.6	-19.1
03/12/09							-35.42	-33.22	-29.29	-24.93	-21.68	-19.21
03/13/09							-34.92	-32.96	-29.43	-25.05	-21.75	-19.28
03/14/09							-33.66	-32.45	-29.49	-25.23	-21.84	-19.32
03/15/09							-33.39	-31.98	-29.34	-25.34	-21.98	-19.42
03/16/09							-32.55	-31.63	-29.26	-25.47	-22.06	-19.49
03/17/09							-32.5	-31.48	-29.07	-25.51	-22.16	-19.59
03/18/09							-31.23	-30.74	-28.94	-25.52	-22.24	-19.66
03/19/09							-31.77	-30.53	-28.7	-25.54	-22.34	-19.75
03/20/09							-32.39	-30.97	-28.6	-25.54	-22.41	-19.82
03/21/09							-33.01	-31.27	-28.65	-25.54	-22.45	-19.88
03/22/09							-33.43	-31.62	-28.78	-25.58	-22.52	-19.94
03/23/09							-33.65	-31.97	-28.92	-25.58	-22.59	-20.02
03/24/09							-34.03	-32.18	-29.06	-25.62	-22.63	-20.12
03/25/09							-34.36	-32.48	-29.24	-25.7	-22.66	-20.18
03/26/09							-34.2	-32.6	-29.43	-25.79	-22.74	-20.26
03/27/09							-32.09	-31.79	-29.5	-25.89	-22.8	-20.27
03/28/09							-31.28	-30.94	-29.26	-25.93	-22.87	-20.34
03/29/09							-27.26	-29.28	-28.96	-25.99	-22.93	-20.43
03/30/09							-29.5	-28.71	-28.3	-26.01	-22.98	-20.48
03/31/09							-25.92	-27.98	-27.98	-25.92	-23.06	-20.55
04/01/09							-23.69	-25.92	-27.36	-25.79	-23.09	-20.61
04/02/09							-25.65	-25.86	-26.61	-25.65	-23.11	-20.66
04/03/09							-25.9	-26.07	-26.28	-25.45	-23.11	-20.73
04/04/09							-27.12	-26.65	-26.14	-25.2	-23.1	-20.76
04/05/09							-28.21	-27.29	-26.18	-25.07	-23.06	-20.82
04/06/09							-28.31	-27.69	-26.35	-24.92	-22.99	-20.83
04/07/09							-27.56	-27.47	-26.44	-24.88	-22.96	-20.83
04/08/09							-27.82	-27.51	-26.44	-24.84	-22.95	-20.86
04/09/09							-27.96	-27.56	-26.44	-24.81	-22.92	-20.91
04/10/09							-26.41	-26.92	-26.37	-24.77	-22.89	-20.88
04/11/09							-24	-25.46	-26.12	-24.74	-22.86	-20.89
04/12/09							-27.55	-26.23	-25.65	-24.68	-22.84	-20.9
04/13/09							-27.47	-26.83	-25.74	-24.61	-22.85	-20.94
04/14/09							-25.91	-26.32	-25.79	-24.5	-22.78	-20.91
04/15/09							-25.22	-25.7	-25.58	-24.46	-22.75	-20.95
04/16/09							-24.04	-25.02	-25.26	-24.39	-22.72	-20.96
04/17/09							-20.84	-23.29	-24.84	-24.29	-22.73	-20.94
04/18/09							-20.93	-22.36	-24.16	-24.16	-22.69	-20.93
04/19/09							-21.18	-22.17	-23.62	-23.97	-22.61	-20.93
04/20/09							-20.59	-22	-23.29	-23.74	-22.58	-20.94
04/21/09							-19.68	-21.25	-22.95	-23.56	-22.51	-20.91
04/22/09							-19.05	-20.63	-22.51	-23.33	-22.44	-20.9
04/23/09							-18.53	-20.15	-22.08	-23.18	-22.37	-20.94
04/24/09							-17.9	-19.65	-21.65	-22.88	-22.26	-20.87
04/25/09							-17.61	-19.19	-21.26	-22.62	-22.15	-20.87
04/26/09							-17.02	-18.8	-20.91	-22.41	-22.08	-20.84
04/27/09							-16.41	-18.38	-20.53	-22.19	-21.94	-20.78
04/28/09							-15.23	-17.5	-20.17	-21.95	-21.81	-20.72
04/29/09							-15.02	-16.79	-19.69	-21.69	-21.66	-20.68
04/30/09							-15.34	-16.63	-19.19	-21.41	-21.51	-20.61
05/01/09							-15.9	-16.78	-18.9	-21.16	-21.4	-20.53
05/02/09							-15.02	-16.61	-18.71	-20.86	-21.24	-20.51
05/03/09							-14.2	-15.94	-18.42	-20.64	-21.06	-20.4
05/04/09							-13.72	-15.59	-18.04	-20.41	-20.93	-20.34
05/05/09							-13.89	-15.16	-17.72	-20.2	-20.78	-20.27
05/06/09							-14.46	-15.22	-17.43	-19.93	-20.64	-20.2
05/07/09							-14.32	-15.25	-17.25	-19.69	-20.47	-20.1
05/08/09							-14.26	-15.1	-17.09	-19.49	-20.3	-19.99
05/09/09							-14.49	-15.25	-16.94	-19.3	-20.13	-19.9
05/10/09							-14.67	-15.34	-16.85	-19.1	-20	-19.79
05/11/09							-14.01	-15.14	-16.76	-18.94	-19.83	-19.7

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL4

Bulb Depth	TH4_1 -1.33	TH4_2 -1.08	TH4_3 -0.83	TH4_4 -0.58	TH4_5 -0.33	TH4_6 -0.08	TH4_7 0.17 M	TH4_8 0.42 M	TH4_9 0.92 M	TH4_10 2.92 M	TH4_11 4.92 M	TH4_12 8.92 M
05/12/09							-13.52	-14.64	-16.64	-18.78	-19.73	-19.6
05/13/09							-12.73	-14.13	-16.34	-18.62	-19.57	-19.54
05/14/09							-11.96	-13.61	-16.04	-18.46	-19.41	-19.41
05/15/09							-11.76	-13.19	-15.71	-18.3	-19.27	-19.31
05/16/09							-11.54	-12.85	-15.38	-18.11	-19.14	-19.21
05/17/09							-11.52	-12.74	-15.12	-17.92	-19.01	-19.14
05/18/09							-11.43	-12.54	-14.88	-17.73	-18.88	-19.04
05/19/09							-10.98	-12.33	-14.69	-17.52	-18.76	-18.95
05/20/09							-10.38	-11.97	-14.48	-17.36	-18.6	-18.86
05/21/09							-8.84	-11.07	-14.15	-17.16	-18.51	-18.77
05/22/09							-8.35	-10.39	-13.72	-16.97	-18.35	-18.67
05/23/09							-9.09	-10.41	-13.28	-16.74	-18.18	-18.57
05/24/09							-9.04	-10.57	-13.11	-16.47	-18.06	-18.47
05/25/09							-7.87	-10.11	-12.94	-16.28	-17.91	-18.39
05/26/09							-5.79	-9.01	-12.6	-16.04	-17.7	-18.23
05/27/09							-3.189	-7.37	-12.05	-15.84	-17.55	-18.14
05/28/09							-2.38	-6.271	-11.34	-15.6	-17.42	-18.05
05/29/09							-3.001	-5.978	-10.73	-15.33	-17.23	-17.92
05/30/09							-2.197	-5.59	-10.25	-15.01	-17.08	-17.83
05/31/09							-1.93	-5.089	-9.79	-14.62	-16.92	-17.73
06/01/09							-1.805	-4.624	-9.36	-14.34	-16.68	-17.58
06/02/09							-1.649	-4.39	-8.99	-14.02	-16.5	-17.48
06/03/09							-1.68	-3.976	-8.62	-13.71	-16.29	-17.3
06/04/09							-1.805	-4.023	-8.35	-13.39	-16.07	-17.2
06/05/09							-1.805	-4.128	-8.17	-13.11	-15.87	-17.08
06/06/09							-1.623	-4.076	-8.01	-12.86	-15.66	-16.93
06/07/09							-1.602	-3.977	-7.83	-12.61	-15.42	-16.78
06/08/09							-0.641	-3.513	-7.6	-12.39	-15.25	-16.63
06/09/09							-0.012	-3.069	-7.33	-12.14	-15.04	-16.48
06/10/09							-0.064	-2.678	-7.04	-11.95	-14.81	-16.32
06/11/09							0.423	-2.454	-6.789	-11.74	-14.64	-16.18
06/12/09							0.475	-2.246	-6.553	-11.52	-14.44	-16.03
06/13/09							1.87	-0.783	-3.394	-11.27	-14.27	-15.88
06/14/09							2.059	-0.23	-2.477	-10.83	-14.09	-15.7
06/15/09							1.797	-0.044	-2.345	-10.32	-13.86	-15.58
06/16/09							2.068	0.041	-2.287	-9.86	-13.6	-15.43
06/17/09							3.202	0.167	-2.265	-9.48	-13.35	-15.28
06/18/09							3.254	0.77	-2.214	-9.16	-13.1	-15.11
06/19/09							3.254	1.112	-2.188	-8.9	-12.82	-14.93
06/20/09							3.992	1.211	-2.142	-8.66	-12.6	-14.76
06/21/09							3.673	0.948	-2.089	-8.42	-12.35	-14.59
06/22/09							3.114	1.106	-1.985	-8.21	-12.13	-14.41
06/23/09							4.072	1.027	-1.959	-8.03	-11.9	-14.24
06/24/09							3.859	0.948	-1.907	-7.84	-11.68	-14.07
06/25/09							4.446	1.448	-1.829	-7.66	-11.49	-13.9
06/26/09							5.828	1.699	-1.762	-7.51	-11.31	-13.73
06/27/09							6.639	1.883	-1.657	-7.35	-11.12	-13.56
06/28/09							5.895	2.133	-1.595	-7.21	-10.95	-13.38
06/29/09							7.22	2.136	-1.537	-7.1	-10.8	-13.23
06/30/09							4.982	2.213	-1.463	-6.947	-10.62	-13.07
07/01/09							3.121	1.323	-1.405	-6.811	-10.45	-12.93
07/02/09							3.25	0.898	-1.356	-6.682	-10.29	-12.79
07/03/09							4.099	1.29	-1.332	-6.553	-10.16	-12.63
07/04/09							3.415	1.035	-1.298	-6.442	-10.02	-12.48
07/05/09							1.989	0.961	-1.294	-6.36	-9.88	-12.37
07/06/09							2.781	0.801	-1.243	-6.256	-9.75	-12.23
07/07/09							3.859	1.264	-1.228	-6.16	-9.62	-12.1
07/08/09							4.259	1.448	-1.202	-6.056	-9.46	-11.99
07/09/09							1.546	0.993	-1.158	-5.962	-9.37	-11.86
07/10/09							2.279	0.513	-1.164	-5.888	-9.27	-11.7
07/11/09							5.883	1.278	-1.161	-5.83	-9.15	-11.64
07/12/09							3.048	1.434	-1.112	-5.732	-9.05	-11.48
07/13/09							2.756	1.039	-1.059	-5.653	-8.95	-11.37
07/14/09							5.37	1.33	-1.057	-5.595	-8.83	-11.28
07/15/09							6.938	2.306	-1.031	-5.543	-8.75	-11.17
07/16/09							5.559	2.835	-0.978	-5.465	-8.67	-11.09
07/17/09							4.393	2.451	-0.94	-5.402	-8.56	-10.97
07/18/09							3.566	1.87	-0.914	-5.324	-8.45	-10.86

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL4

Bulb Depth	TH4_1 -1.33	TH4_2 -1.08	TH4_3 -0.83	TH4_4 -0.58	TH4_5 -0.33	TH4_6 -0.08	TH4_7 0.17 M	TH4_8 0.42 M	TH4_9 0.92 M	TH4_10 2.92 M	TH4_11 4.92 M	TH4_12 8.92 M
07/19/09							5.882	2.095	-0.874	-5.256	-8.38	-10.79
07/20/09							5.666	2.703	-0.848	-5.204	-8.3	-10.68
07/21/09							6.998	2.973	-0.817	-5.121	-8.19	-10.57
07/22/09							3.786	2.273	-0.778	-5.031	-8.13	-10.51
07/23/09							3.832	1.764	-0.757	-4.984	-8.05	-10.4
07/24/09							5.536	1.702	-0.74	-4.94	-7.95	-10.3
07/25/09							6.152	2.65	-0.717	-4.89	-7.88	-10.22
07/26/09							7.34	3.204	-0.693	-4.84	-7.83	-10.14
07/27/09							4.982	3.034	-0.653	-4.802	-7.74	-10.05
07/28/09							2.65	1.698	-0.641	-4.739	-7.67	-9.96
07/29/09							2.121	0.75	-0.614	-4.687	-7.6	-9.88
07/30/09							2.174	0.671	-0.614	-4.634	-7.52	-9.8
07/31/09							3.832	1.185	-0.6	-4.567	-7.45	-9.73
08/01/09							5.866	1.999	-0.577	-4.517	-7.37	-9.65
08/02/09							5.574	2.24	-0.573	-4.488	-7.34	-9.57
08/03/09							7.21	2.782	-0.56	-4.447	-7.27	-9.53
08/04/09							7.92	3.18	-0.534	-4.395	-7.22	-9.45
08/05/09							7.26	3.234	-0.507	-4.368	-7.14	-9.39
08/06/09							5.843	2.928	-0.469	-4.306	-7.08	-9.3
08/07/09							4.526	2.875	-0.443	-4.28	-7.03	-9.25
08/08/09							4.767	2.266	-0.417	-4.228	-6.973	-9.17
08/09/09							6.492	2.981	-0.391	-4.176	-6.921	-9.12
08/10/09							5.843	2.981	-0.391	-4.123	-6.842	-9.04
08/11/09							4.262	2.216	-0.362	-4.095	-6.787	-8.98
08/12/09							2.916	1.936	-0.352	-4.06	-6.753	-8.92
08/13/09							1.894	1.34	-0.316	-3.999	-6.666	-8.86
08/14/09							3.229	1.166	-0.331	-3.96	-6.626	-8.79
08/15/09							2.73	1.54	-0.326	-3.93	-6.57	-8.73
08/16/09							4.052	1.875	-0.307	-3.884	-6.523	-8.69
08/17/09							3.074	2.015	-0.3	-3.878	-6.465	-8.63
08/18/09							3.362	1.668	-0.304	-3.829	-6.415	-8.58
08/19/09							2.809	1.593	-0.274	-3.8	-6.36	-8.49
08/20/09							2.65	1.513	-0.274	-3.774	-6.334	-8.44
08/21/09							1.975	1.21	-0.262	-3.711	-6.271	-8.38
08/22/09							1.026	0.684	-0.262	-3.711	-6.219	-8.33
08/23/09							0.297	0.375	-0.281	-3.652	-6.134	-8.29
08/24/09							0.421	0.158	-0.288	-3.658	-6.14	-8.25
08/25/09							2.703	0.566	-0.3	-3.617	-6.098	-8.18
08/26/09							3.814	1.061	-0.305	-3.595	-6.049	-8.13
08/27/09							5.437	1.816	-0.313	-3.551	-6.004	-8.08
08/28/09							5.439	2.478	-0.286	-3.55	-5.977	-8.03
08/29/09							3.686	1.962	-0.248	-3.539	-5.941	-7.99
08/30/09							2.915	1.936	-0.221	-3.513	-5.888	-7.94
08/31/09							2.307	1.304	-0.22	-3.486	-5.861	-7.88
09/01/09							3.633	1.382	-0.221	-3.461	-5.81	-7.86
09/02/09							2.998	1.279	-0.219	-3.432	-5.755	-7.8
09/03/09							2.069	1.225	-0.22	-3.408	-5.757	-7.78
09/04/09							1.078	0.894	-0.209	-3.397	-5.695	-7.72
09/05/09							0.061	0.376	-0.227	-3.364	-5.662	-7.68
09/06/09							-0.512	-0.066	-0.197	-3.36	-5.632	-7.63
09/07/09							-0.257	-0.178	-0.178	-3.289	-5.612	-7.58
09/08/09							-0.433	-0.197	-0.223	-3.308	-5.528	-7.55
09/09/09							-0.538	-0.197	-0.249	-3.282	-5.528	-7.5
09/10/09							-0.616	-0.223	-0.249	-3.256	-5.502	-7.47
09/11/09							-0.84	-0.263	-0.29	-3.245	-5.465	-7.43
09/12/09							-1.259	-0.263	-0.29	-3.219	-5.439	-7.38
09/13/09							-1.187	-0.375	-0.296	-3.224	-5.392	-7.33
09/14/09							-0.878	-0.354	-0.328	-3.204	-5.371	-7.31
09/15/09							-0.205	-0.31	-0.389	-3.185	-5.352	-7.29
09/16/09							-0.616	-0.328	-0.433	-3.204	-5.319	-7.23
09/17/09							-0.747	-0.354	-0.512	-3.152	-5.292	-7.21
09/18/09							-2.293	-0.566	-0.566	-3.182	-5.272	-7.16
09/19/09							-3.234	-1.064	-0.645	-3.181	-5.245	-7.13
09/20/09							-3.469	-1.692	-0.802	-3.181	-5.219	-7.11
09/21/09							-4.294	-2.36	-1.052	-3.17	-5.183	-7.05
09/22/09							-5.758	-3.431	-1.418	-3.196	-5.182	-7.02
09/23/09							-4.67	-3.469	-1.849	-3.234	-5.141	-6.976
09/24/09							-4.491	-3.656	-2.141	-3.316	-5.171	-6.954

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL4

Bulb Depth	TH4_1 -1.33	TH4_2 -1.08	TH4_3 -0.83	TH4_4 -0.58	TH4_5 -0.33	TH4_6 -0.08	TH4_7 0.17 M	TH4_8 0.42 M	TH4_9 0.92 M	TH4_10 2.92 M	TH4_11 4.92 M	TH4_12 8.92 M
09/25/09							-5.429	-3.887	-2.398	-3.417	-5.141	-6.976
09/26/09							-5.656	-4.165	-2.624	-3.538	-5.158	-6.942
09/27/09							-5.895	-4.639	-2.915	-3.646	-5.162	-6.919
09/28/09							-5.743	-4.67	-3.208	-3.782	-5.193	-6.897
09/29/09							-5.35	-4.696	-3.416	-3.939	-5.219	-6.871
09/30/09							-4.545	-4.754	-3.605	-4.075	-5.224	-6.876
10/01/09							-3.349	-4.002	-3.715	-4.237	-5.308	-6.881
10/02/09							-4.446	-4.185	-3.715	-4.367	-5.36	-6.855
10/03/09							-5.974	-4.561	-3.777	-4.456	-5.371	-6.84
10/04/09							-6.966	-5.366	-3.954	-4.581	-5.47	-6.861
10/05/09							-7.05	-5.732	-4.215	-4.66	-5.523	-6.861
10/06/09							-6.709	-5.948	-4.509	-4.77	-5.581	-6.867
10/07/09							-6.241	-5.743	-4.644	-4.879	-5.612	-6.897
10/08/09							-8.43	-6.105	-4.743	-4.952	-5.633	-6.868
10/09/09							-9.12	-6.973	-5.004	-5.083	-5.711	-6.92
10/10/09							-9.58	-7.63	-5.371	-5.24	-5.764	-6.92
10/11/09							-9.82	-8	-5.79	-5.345	-5.817	-6.92
10/12/09							-11.52	-8.79	-6.148	-5.492	-5.885	-6.989
10/13/09							-9.16	-8.47	-6.518	-5.678	-5.967	-6.991
10/14/09							-9.47	-8.17	-6.609	-5.848	-6.058	-6.978
10/15/09							-10.39	-8.94	-6.746	-6.037	-6.115	-7.04
10/16/09							-10.68	-8.85	-6.999	-6.184	-6.184	-7.08
10/17/09							-12.59	-9.55	-7.21	-6.369	-6.29	-7.08
10/18/09							-12.69	-10.54	-7.62	-6.515	-6.384	-7.12
10/19/09							-12.66	-10.81	-8.05	-6.673	-6.463	-7.15
10/20/09							-11.92	-10.66	-8.32	-6.868	-6.604	-7.21
10/21/09							-12.4	-10.59	-8.46	-7.06	-6.665	-7.24
10/22/09							-13.25	-11.27	-8.65	-7.25	-6.749	-7.33
10/23/09							-13.69	-11.53	-8.96	-7.42	-6.864	-7.37
10/24/09							-14.59	-12.2	-9.26	-7.58	-7	-7.42
10/25/09							-14.91	-12.76	-9.66	-7.79	-7.11	-7.45
10/26/09							-14.85	-12.88	-9.99	-7.96	-7.19	-7.51
10/27/09							-15.03	-13.02	-10.26	-8.17	-7.32	-7.59
10/28/09							-14.74	-13.02	-10.45	-8.41	-7.43	-7.64
10/29/09							-15.7	-13.35	-10.6	-8.58	-7.57	-7.71
10/30/09							-16.03	-13.86	-10.87	-8.77	-7.68	-7.78
10/31/09							-15.73	-13.8	-11.12	-8.93	-7.79	-7.84
11/01/09							-16.3	-14.09	-11.31	-9.11	-7.97	-7.92
11/02/09							-18.89	-15.12	-11.62	-9.31	-8.06	-8
11/03/09							-20.74	-16.68	-12.12	-9.5	-8.19	-8.06
11/04/09							-19.23	-16.81	-12.74	-9.72	-8.31	-8.15
11/05/09							-19.39	-16.87	-13.13	-9.96	-8.43	-8.22
11/06/09							-19.33	-17.03	-13.48	-10.24	-8.6	-8.31
11/07/09							-17.45	-16.65	-13.72	-10.53	-8.73	-8.41
11/08/09							-17.92	-16.43	-13.75	-10.77	-8.93	-8.51
11/09/09							-19.09	-16.72	-13.82	-10.99	-9.07	-8.57
11/10/09							-20.34	-17.59	-14.05	-11.22	-9.24	-8.68
11/11/09							-18.81	-17.44	-14.38	-11.36	-9.38	-8.77
11/12/09							-16.77	-16.74	-14.48	-11.57	-9.56	-8.89
11/13/09							-15.87	-15.69	-14.31	-11.79	-9.72	-9
11/14/09							-14.48	-14.92	-14.02	-11.88	-9.86	-9.08
11/15/09							-13.06	-13.8	-13.71	-12.02	-10.03	-9.17
11/16/09							-10.15	-12.59	-13.35	-12.06	-10.2	-9.31
11/17/09							-13.4	-12.5	-12.86	-12.02	-10.3	-9.41
11/18/09							-14.41	-13.24	-12.65	-12.01	-10.42	-9.5
11/19/09							-18	-14.98	-12.77	-11.93	-10.48	-9.62
11/20/09							-20.23	-16.5	-13.3	-11.9	-10.55	-9.71
11/21/09							-20.37	-17.81	-13.96	-11.96	-10.64	-9.78
11/22/09							-19.57	-17.91	-14.55	-12.08	-10.68	-9.87
11/23/09							-18.88	-17.57	-14.87	-12.31	-10.74	-9.95
11/24/09							-16.9	-16.74	-14.92	-12.43	-10.81	-10.02
11/25/09							-16.53	-16.04	-14.74	-12.62	-10.94	-10.12
11/26/09							-16.28	-15.71	-14.53	-12.76	-11.05	-10.15
11/27/09							-15.69	-15.48	-14.42	-12.8	-11.11	-10.21
11/28/09							-16.04	-15	-14.27	-12.85	-11.21	-10.31
11/29/09							-16.98	-15.41	-14.15	-12.9	-11.32	-10.42
11/30/09							-18.67	-16.17	-14.19	-12.91	-11.38	-10.45
12/01/09							-19.07	-17.07	-14.46	-12.92	-11.45	-10.54

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL4

Bulb Depth	TH4_1 -1.33	TH4_2 -1.08	TH4_3 -0.83	TH4_4 -0.58	TH4_5 -0.33	TH4_6 -0.08	TH4_7 0.17 M	TH4_8 0.42 M	TH4_9 0.92 M	TH4_10 2.92 M	TH4_11 4.92 M	TH4_12 8.92 M
12/02/09							-18.36	-17.2	-14.82	-12.98	-11.51	-10.63
12/03/09							-17.86	-16.98	-15	-13.1	-11.59	-10.69
12/04/09							-15.42	-15.9	-15.01	-13.19	-11.66	-10.76
12/05/09							-16.36	-15.34	-14.69	-13.28	-11.72	-10.81
12/06/09							-19.52	-16.93	-14.68	-13.35	-11.81	-10.88
12/07/09							-21	-18.2	-15.16	-13.37	-11.88	-10.94
12/08/09							-23.93	-19.76	-15.75	-13.44	-11.93	-11.02
12/09/09							-25.61	-21.5	-16.54	-13.59	-11.99	-11.05
12/10/09							-28.7	-23.08	-17.29	-13.83	-12.08	-11.14
12/11/09							-28.98	-24.39	-18.12	-14.09	-12.17	-11.2
12/12/09							-26.39	-23.66	-18.84	-14.39	-12.26	-11.26
12/13/09							-25.6	-23.24	-19.23	-14.74	-12.4	-11.35
12/14/09							-23.96	-22.78	-19.49	-15.09	-12.57	-11.4
12/15/09							-22.02	-21.45	-19.43	-15.39	-12.74	-11.49
12/16/09							-21.87	-20.88	-19.13	-15.66	-12.94	-11.57
12/17/09							-21.52	-20.71	-18.93	-15.78	-13.11	-11.68
12/18/09							-22.85	-20.84	-18.79	-15.86	-13.24	-11.81
12/19/09							-20.62	-20.59	-18.85	-15.94	-13.4	-11.92
12/20/09							-18.95	-19.31	-18.59	-16.01	-13.52	-12.03
12/21/09							-22.15	-19.61	-18.27	-16.07	-13.66	-12.14
12/22/09							-22.91	-20.55	-18.23	-16.06	-13.77	-12.21
12/23/09							-22.85	-21.12	-18.63	-16.07	-13.87	-12.34
12/24/09							-26.18	-22.17	-18.84	-16.14	-13.96	-12.43
12/25/09							-23.23	-22.38	-19.33	-16.23	-14.02	-12.52
12/26/09							-21.7	-21.52	-19.5	-16.36	-14.11	-12.61
12/27/09							-23.15	-21.19	-19.31	-16.49	-14.18	-12.7
12/28/09							-22.74	-21.44	-19.35	-16.62	-14.3	-12.79
12/29/09							-23.78	-21.78	-19.46	-16.69	-14.36	-12.85
12/30/09							-25.07	-22.57	-19.73	-16.78	-14.48	-12.93
12/31/09							-28.56	-24.23	-20.19	-16.92	-14.58	-13
01/01/10							-28.4	-25.81	-20.86	-17.06	-14.66	-13.11
01/02/10							-27.77	-24.92	-21.28	-17.25	-14.75	-13.2
01/03/10							-24.46	-24.18	-21.37	-17.52	-14.88	-13.27
01/04/10							-28.29	-24.35	-21.27	-17.68	-15.03	-13.35
01/05/10							-28.04	-25.36	-21.49	-17.84	-15.13	-13.45
01/06/10							-29.48	-25.59	-21.83	-18.02	-15.29	-13.54
01/07/10							-30.87	-26.97	-22.23	-18.18	-15.37	-13.63
01/08/10							-31.87	-27.71	-22.74	-18.34	-15.52	-13.71
01/09/10							-30.48	-27.66	-23.23	-18.56	-15.64	-13.83
01/10/10							-30.34	-27.54	-23.5	-18.83	-15.8	-13.92
01/11/10							-29.4	-27.41	-23.73	-19.06	-15.95	-14.01
01/12/10							-29.72	-27.32	-23.89	-19.29	-16.07	-14.12
01/13/10							-31.07	-27.89	-23.99	-19.51	-16.25	-14.23
01/14/10							-32.18	-28.46	-24.22	-19.71	-16.39	-14.37
01/15/10							-29.59	-28.44	-24.52	-19.87	-16.57	-14.45
01/16/10							-29.58	-27.28	-24.55	-20.06	-16.71	-14.59
01/17/10							-30.88	-28.02	-24.47	-20.23	-16.89	-14.7
01/18/10							-32.95	-28.87	-24.69	-20.38	-17.03	-14.83
01/19/10							-33.92	-30.14	-25.09	-20.52	-17.19	-14.95
01/20/10							-32.24	-29.91	-25.55	-20.71	-17.33	-15.05
01/21/10							-32.13	-29.81	-25.75	-20.88	-17.45	-15.17
01/22/10							-30.69	-29.21	-25.84	-21.09	-17.61	-15.26
01/23/10							-30.11	-29.03	-25.81	-21.25	-17.72	-15.39
01/24/10							-28.71	-27.68	-25.64	-21.42	-17.87	-15.51
01/25/10							-28.67	-27.55	-25.4	-21.53	-18.03	-15.63
01/26/10							-26.7	-26.57	-25.21	-21.61	-18.18	-15.74
01/27/10							-25.98	-26.15	-24.85	-21.65	-18.3	-15.86
01/28/10							-26.77	-25.76	-24.56	-21.63	-18.42	-15.99
01/29/10							-28.89	-26.85	-24.51	-21.62	-18.51	-16.1
01/30/10							-28.08	-27.16	-24.72	-21.6	-18.59	-16.21
01/31/10							-27.94	-26.64	-24.83	-21.63	-18.68	-16.29
02/01/10							-29.63	-27.32	-24.79	-21.7	-18.73	-16.41
02/02/10							-27.86	-27.29	-24.96	-21.71	-18.82	-16.52
02/03/10							-28.35	-26.64	-24.91	-21.81	-18.9	-16.6
02/04/10							-29.03	-26.94	-24.83	-21.84	-18.96	-16.68
02/05/10							-31.47	-28.11	-24.94	-21.87	-19.05	-16.76
02/06/10							-30.15	-28.39	-25.27	-21.91	-19.13	-16.84
02/07/10							-29.21	-27.76	-25.39	-22.02	-19.19	-16.93

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL4

Bulb Depth	TH4_1 -1.33	TH4_2 -1.08	TH4_3 -0.83	TH4_4 -0.58	TH4_5 -0.33	TH4_6 -0.08	TH4_7 0.17 M	TH4_8 0.42 M	TH4_9 0.92 M	TH4_10 2.92 M	TH4_11 4.92 M	TH4_12 8.92 M
02/08/10							-30.64	-28.25	-25.43	-22.09	-19.26	-17.02
02/09/10							-29.64	-28.26	-25.6	-22.17	-19.33	-17.06
02/10/10							-28.98	-27.81	-25.64	-22.25	-19.4	-17.15
02/11/10							-29.26	-27.81	-25.56	-22.35	-19.5	-17.21
02/12/10							-27.21	-27.12	-25.57	-22.4	-19.57	-17.29
02/13/10							-25.29	-26.03	-25.29	-22.45	-19.62	-17.36
02/14/10							-26.95	-25.89	-24.92	-22.47	-19.67	-17.44
02/15/10							-24.38	-25.22	-24.7	-22.42	-19.79	-17.52
02/16/10							-24.19	-24.74	-24.42	-22.45	-19.82	-17.65
02/17/10							-23.46	-24.15	-24.15	-22.35	-19.86	-17.68
02/18/10							-25.85	-24.44	-23.82	-22.24	-19.87	-17.72
02/19/10							-30.14	-26.45	-23.95	-22.15	-19.91	-17.79
02/20/10							-32.43	-28.28	-24.57	-22.11	-19.91	-17.85
02/21/10							-31.53	-29.26	-25.23	-22.16	-19.92	-17.9
02/22/10							-32.08	-29.2	-25.71	-22.3	-19.95	-17.95
02/23/10							-27	-28.63	-25.94	-22.44	-19.98	-17.98
02/24/10							-22.24	-25.43	-25.71	-22.64	-20.07	-18.07
02/25/10							-22.53	-23.35	-24.94	-22.71	-20.1	-18.06
02/26/10							-28.79	-25.63	-24.27	-22.64	-20.16	-18.12
02/27/10							-30.97	-27.53	-24.54	-22.56	-20.22	-18.21
02/28/10							-32.75	-29.2	-25.13	-22.51	-20.25	-18.23
03/01/10							-33.27	-30.19	-25.82	-22.55	-20.28	-18.3
03/02/10							-33.17	-30.58	-26.41	-22.7	-20.32	-18.33
03/03/10							-31.78	-30.44	-26.8	-22.9	-20.37	-18.38
03/04/10							-30.74	-29.73	-26.94	-23.09	-20.44	-18.41
03/05/10							-30.11	-29.21	-26.9	-23.28	-20.51	-18.45
03/06/10							-30.39	-29.21	-26.81	-23.39	-20.61	-18.54
03/07/10							-29.78	-29.12	-26.81	-23.47	-20.68	-18.58
03/08/10							-30.73	-29.25	-26.8	-23.58	-20.78	-18.63
03/09/10							-28.31	-28.81	-26.86	-23.63	-20.83	-18.72
03/10/10							-23.69	-26.54	-26.67	-23.76	-20.92	-18.8
03/11/10							-24.45	-25.29	-25.9	-23.76	-21.01	-18.82
03/12/10							-25.98	-25.52	-25.36	-23.67	-21.11	-18.91
03/13/10							-26.31	-26.06	-25.2	-23.6	-21.15	-18.98
03/14/10							-24.54	-25.46	-25.17	-23.49	-21.19	-19.06
03/15/10							-26.48	-25.48	-24.92	-23.44	-21.21	-19.1
03/16/10							-26.03	-25.82	-24.85	-23.3	-21.22	-19.15
03/17/10							-26.65	-25.69	-24.8	-23.25	-21.21	-19.2
03/18/10							-27.29	-26.27	-24.84	-23.21	-21.21	-19.24
03/19/10							-27.55	-26.43	-24.95	-23.17	-21.21	-19.26
03/20/10							-26.95	-26.35	-25.08	-23.18	-21.21	-19.31
03/21/10							-26.23	-26.19	-25.09	-23.15	-21.22	-19.31
03/22/10							-26.65	-26.06	-25	-23.18	-21.21	-19.37
03/23/10							-26.56	-26.18	-24.96	-23.18	-21.21	-19.4
03/24/10							-26.9	-26.35	-25	-23.18	-21.21	-19.44
03/25/10							-27.64	-26.6	-25.04	-23.17	-21.25	-19.47
03/26/10							-26.52	-26.23	-25.08	-23.18	-21.25	-19.47
03/27/10							-23.73	-25.3	-24.98	-23.2	-21.31	-19.5
03/28/10							-16.23	-22.59	-24.57	-23.19	-21.3	-19.52
03/29/10							-18.52	-20.62	-23.51	-23.13	-21.28	-19.57
03/30/10							-20.44	-21.38	-22.79	-22.97	-21.31	-19.56
03/31/10							-20.14	-21.38	-22.5	-22.72	-21.31	-19.6
04/01/10							-20.34	-21.31	-22.28	-22.53	-21.31	-19.63
04/02/10							-21.3	-21.41	-22.09	-22.34	-21.2	-19.62
04/03/10							-19.34	-21.11	-21.96	-22.14	-21.14	-19.64
04/04/10							-20.75	-20.95	-21.7	-21.98	-21.06	-19.66
04/05/10							-21.03	-21.45	-21.59	-21.84	-21.03	-19.6
04/06/10							-19.27	-20.62	-21.53	-21.71	-20.9	-19.6
04/07/10							-20.4	-20.64	-21.27	-21.59	-20.82	-19.59
04/08/10							-19.97	-20.79	-21.14	-21.46	-20.76	-19.57
04/09/10							-18.95	-20.28	-21.04	-21.35	-20.69	-19.54
04/10/10							-20.07	-20.62	-20.89	-21.24	-20.62	-19.53
04/11/10							-18.78	-20.11	-20.9	-21.18	-20.55	-19.47
04/12/10							-21.13	-20.64	-20.67	-21.06	-20.5	-19.46
04/13/10							-20.51	-20.93	-20.82	-20.96	-20.41	-19.47
04/14/10							-16.89	-19.51	-20.76	-20.87	-20.35	-19.38
04/15/10							-13.57	-17.49	-20.33	-20.81	-20.3	-19.36
04/16/10							-13.97	-16.51	-19.56	-20.71	-20.26	-19.36

OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL4

Bulb Depth	TH4_1 -1.33	TH4_2 -1.08	TH4_3 -0.83	TH4_4 -0.58	TH4_5 -0.33	TH4_6 -0.08	TH4_7 0.17 M	TH4_8 0.42 M	TH4_9 0.92 M	TH4_10 2.92 M	TH4_11 4.92 M	TH4_12 8.92 M
04/17/10							-14.34	-16.29	-18.93	-20.53	-20.19	-19.29
04/18/10							-14.54	-16.26	-18.51	-20.29	-20.09	-19.29
04/19/10							-14.08	-16.2	-18.25	-20.06	-20.02	-19.22
04/20/10							-15.95	-16.62	-18.05	-19.88	-19.91	-19.18
04/21/10							-15.42	-16.63	-17.99	-19.62	-19.82	-19.12
04/22/10							-14.51	-16.08	-17.87	-19.49	-19.69	-19.06
04/23/10							-13.48	-15.46	-17.56	-19.29	-19.59	-19.06
04/24/10							-12.48	-14.87	-17.22	-19.14	-19.47	-18.97
04/25/10							-12.23	-14.29	-16.82	-18.97	-19.37	-18.94
04/26/10							-11.21	-13.67	-16.4	-18.75	-19.24	-18.88
04/27/10							-9.73	-13.05	-15.92	-18.56	-19.11	-18.82
04/28/10							-10.13	-12.29	-15.44	-18.3	-18.98	-18.72
04/29/10							-11.7	-12.7	-14.99	-18.03	-18.87	-18.64
04/30/10							-11.62	-13.07	-14.85	-17.79	-18.75	-18.58
05/01/10							-12	-13.32	-14.78	-17.53	-18.58	-18.51
05/02/10							-12.94	-13.51	-14.78	-17.34	-18.41	-18.38
05/03/10							-12.61	-13.6	-14.81	-17.19	-18.26	-18.35
05/04/10							-11.93	-13.33	-14.73	-17.07	-18.14	-18.23
05/05/10							-10.75	-12.54	-14.5	-16.95	-18.01	-18.14
05/06/10							-10.21	-11.9	-14.19	-16.8	-17.89	-18.05
05/07/10							-10.94	-12.2	-13.89	-16.64	-17.73	-17.91
05/08/10							-10.34	-12.2	-13.81	-16.49	-17.63	-17.85
05/09/10							-9.91	-12.04	-13.75	-16.34	-17.51	-17.79
05/10/10							-10.2	-11.6	-13.55	-16.19	-17.35	-17.69
05/11/10							-9.43	-11.38	-13.31	-16.04	-17.23	-17.61
05/12/10							-9.83	-11.07	-13.04	-15.86	-17.1	-17.51
05/13/10							-10.29	-11.27	-12.87	-15.77	-17.04	-17.41
05/14/10							-9.67	-11.54	-12.85	-15.56	-16.89	-17.35
05/15/10							-8.98	-11	-12.85	-15.45	-16.77	-17.23
05/16/10							-8.03	-10.35	-12.66	-15.36	-16.65	-17.18
05/17/10							-8.26	-9.94	-12.32	-15.24	-16.53	-17.05
05/18/10							-8.45	-9.89	-12.05	-15.09	-16.44	-16.99
05/19/10							-9.05	-10.07	-11.82	-14.91	-16.31	-16.89
05/20/10							-9.01	-10.19	-11.74	-14.74	-16.19	-16.8
05/21/10							-8.68	-9.92	-11.66	-14.59	-16.07	-16.71
05/22/10							-8.37	-9.76	-11.49	-14.45	-15.95	-16.62
05/23/10							-6.662	-9.18	-11.31	-14.32	-15.81	-16.54
05/24/10							-5.9	-8.03	-10.96	-14.17	-15.72	-16.44
05/25/10							-5.821	-7.87	-10.52	-14	-15.6	-16.32
05/26/10							-4.863	-7.46	-10.26	-13.83	-15.49	-16.24
05/27/10							-4.08	-6.855	-9.94	-13.66	-15.37	-16.18
05/28/10							-3.428	-6.198	-9.56	-13.44	-15.26	-16.09
05/29/10							-3.036	-5.858	-9.21	-13.24	-15.08	-16
05/30/10							-2.279	-5.308	-8.81	-13.04	-14.96	-15.91
05/31/10							-2.205	-4.894	-8.44	-12.82	-14.85	-15.79
06/01/10							-0.78	-4.149	-8.11	-12.6	-14.68	-15.71
06/02/10							-0.306	-3.756	-7.74	-12.38	-14.54	-15.62
06/03/10							-0.826	-3.439	-7.36	-12.13	-14.36	-15.5
06/04/10							-1.323	-3.517	-7.02	-11.91	-14.24	-15.38
06/05/10							-1.495	-3.584	-6.802	-11.65	-14.06	-15.28
06/06/10							-0.444	-3.188	-6.585	-11.45	-13.94	-15.18
06/07/10							-0.209	-2.876	-6.35	-11.2	-13.76	-15.07
06/08/10							-0.957	-3.021	-6.156	-11	-13.59	-14.94
06/09/10							0.629	-2.799	-5.984	-10.79	-13.4	-14.83
06/10/10							0.802	-2.365	-5.758	-10.61	-13.26	-14.72
06/11/10							1.566	-2.104	-5.522	-10.39	-13.09	-14.61
06/12/10							2.61	-1.646	-5.245	-10.21	-12.93	-14.5
06/13/10							1.13	-1.466	-4.964	-10.04	-12.78	-14.37
06/14/10							2.796	-1.123	-4.671	-9.84	-12.63	-14.24
06/15/10							3.539	-0.129	-2.116	-9.6	-12.46	-14.12
06/16/10							4.58	0.343	-1.75	-9.25	-12.29	-13.98
06/17/10							6.005	1.237	-1.62	-8.85	-12.1	-13.87
06/18/10							6.275	2.213	-1.515	-8.48	-11.9	-13.75
06/19/10							5.466	2.187	-1.411	-8.16	-11.71	-13.61
06/20/10							7.46	2.465	-1.317	-7.9	-11.5	-13.48
06/21/10							5.762	2.346	-1.228	-7.68	-11.3	-13.36
06/22/10							4.46	1.883	-1.138	-7.46	-11.07	-13.18
06/23/10							5.34	2.115	-1.09	-7.23	-10.89	-13.04

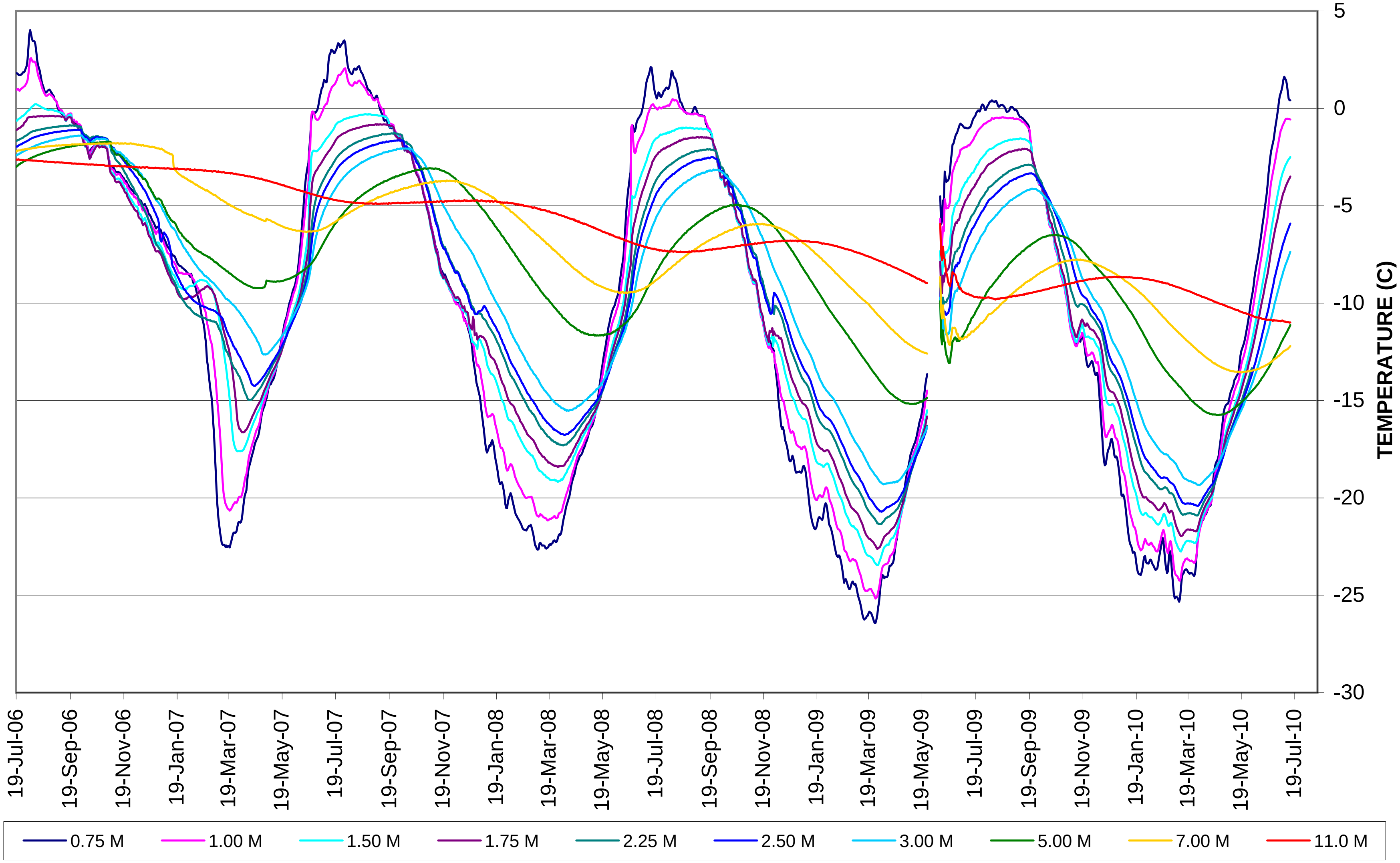
OPERATIONAL LANDFILL - THERMISTOR DATA FOR #OL4

Bulb	TH4_1	TH4_2	TH4_3	TH4_4	TH4_5	TH4_6	TH4_7	TH4_8	TH4_9	TH4_10	TH4_11	TH4_12
Depth	-1.33	-1.08	-0.83	-0.58	-0.33	-0.08	0.17 M	0.42 M	0.92 M	2.92 M	4.92 M	8.92 M
06/24/10							5.412	1.817	-1.019	-7.05	-10.67	-12.91
06/25/10							9.06	2.663	-0.964	-6.888	-10.48	-12.75
06/26/10							9.64	3.62	-0.91	-6.729	-10.31	-12.59
06/27/10							8.99	3.659	-0.822	-6.59	-10.14	-12.44
06/28/10							9.27	3.976	-0.745	-6.434	-9.98	-12.3
06/29/10							10.17	4.632	-0.677	-6.285	-9.83	-12.17
06/30/10							11.52	5.087	-0.624	-6.155	-9.64	-12
07/01/10							11.13	5.329	-0.546	-6.05	-9.51	-11.87
07/02/10							12.01	5.49	-0.467	-5.919	-9.37	-11.73
07/03/10							12.88	6.366	-0.401	-5.799	-9.22	-11.6
07/04/10							12.24	6.461	-0.285	-5.684	-9.08	-11.48
07/05/10							14.04	7.12	-0.192	-5.564	-8.96	-11.35
07/06/10							14.63	7.88	-0.117	-5.462	-8.83	-11.25
07/07/10							11.17	7.34	-0.014	-5.337	-8.7	-11.12
07/08/10							10.24	6.585	0.042	-5.256	-8.59	-10.98
07/09/10							8.58	6.125	0.095	-5.177	-8.49	-10.9
07/10/10							4.514	4.594	0.146	-5.052	-8.36	-10.77
07/11/10							3.434	2.822	0.106	-4.963	-8.27	-10.66
07/12/10							3.314	2.095	0.068	-4.895	-8.15	-10.56
07/13/10							4.433	2.411	0.066	-4.792	-8.04	-10.45
07/14/10							6.6	3.034	0.081	-4.723	-7.95	-10.35

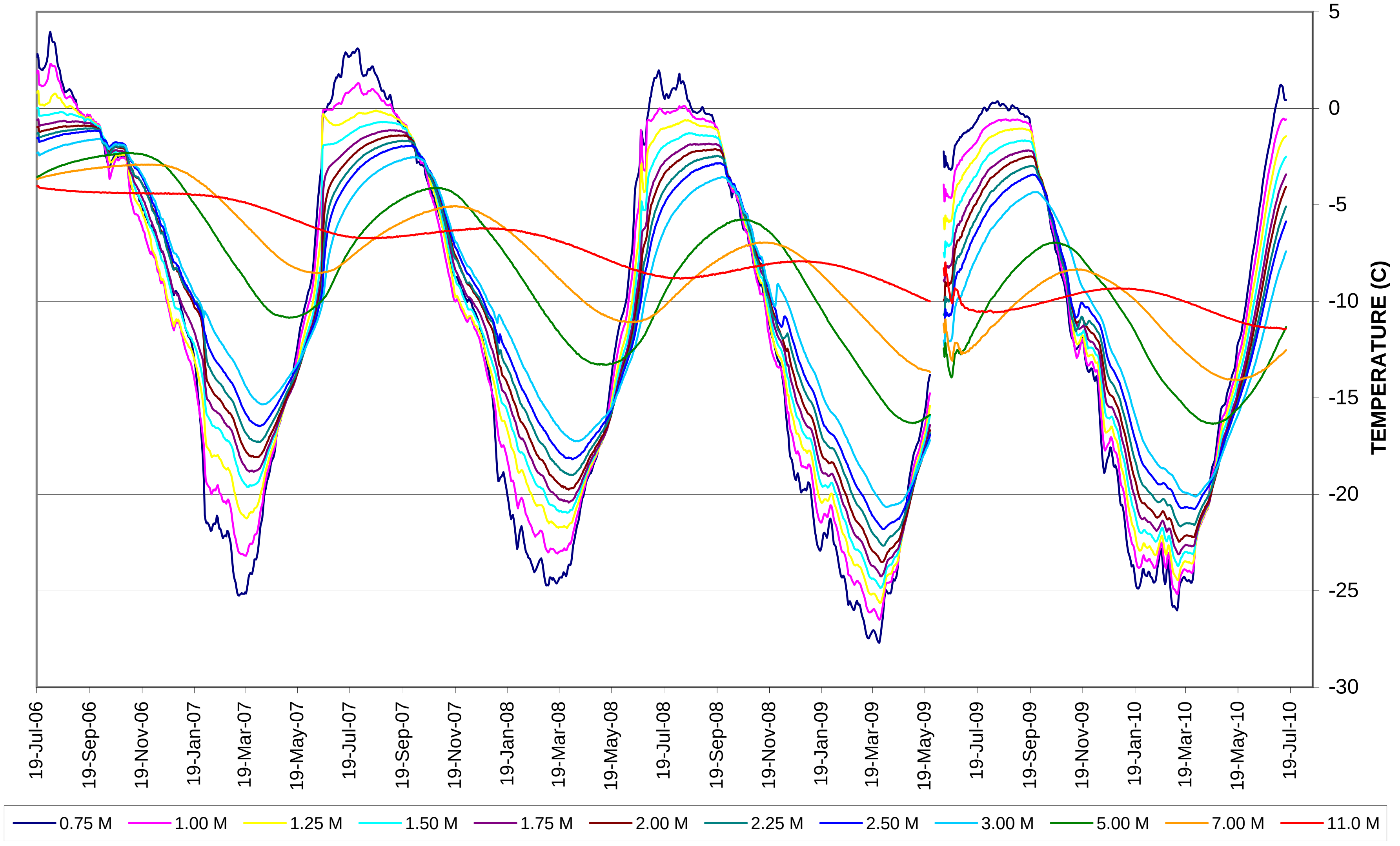
NOTES:

Signifies the warmest temperature recorded for individual thermistor strings during the calendar year.

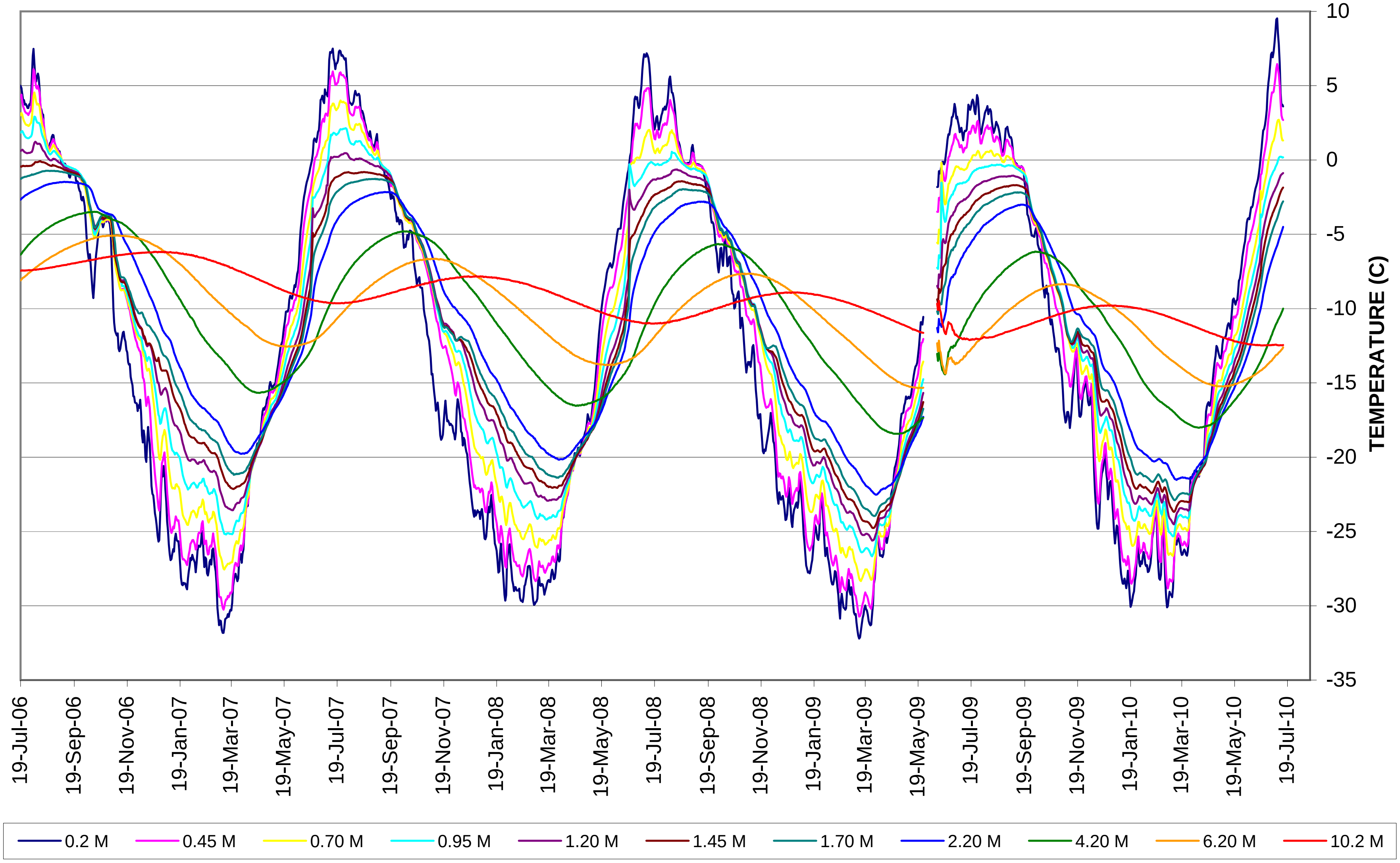
LRD LANDFILL - THERMISTOR #LRD1
Temperature By Depth Below Surface VS Date



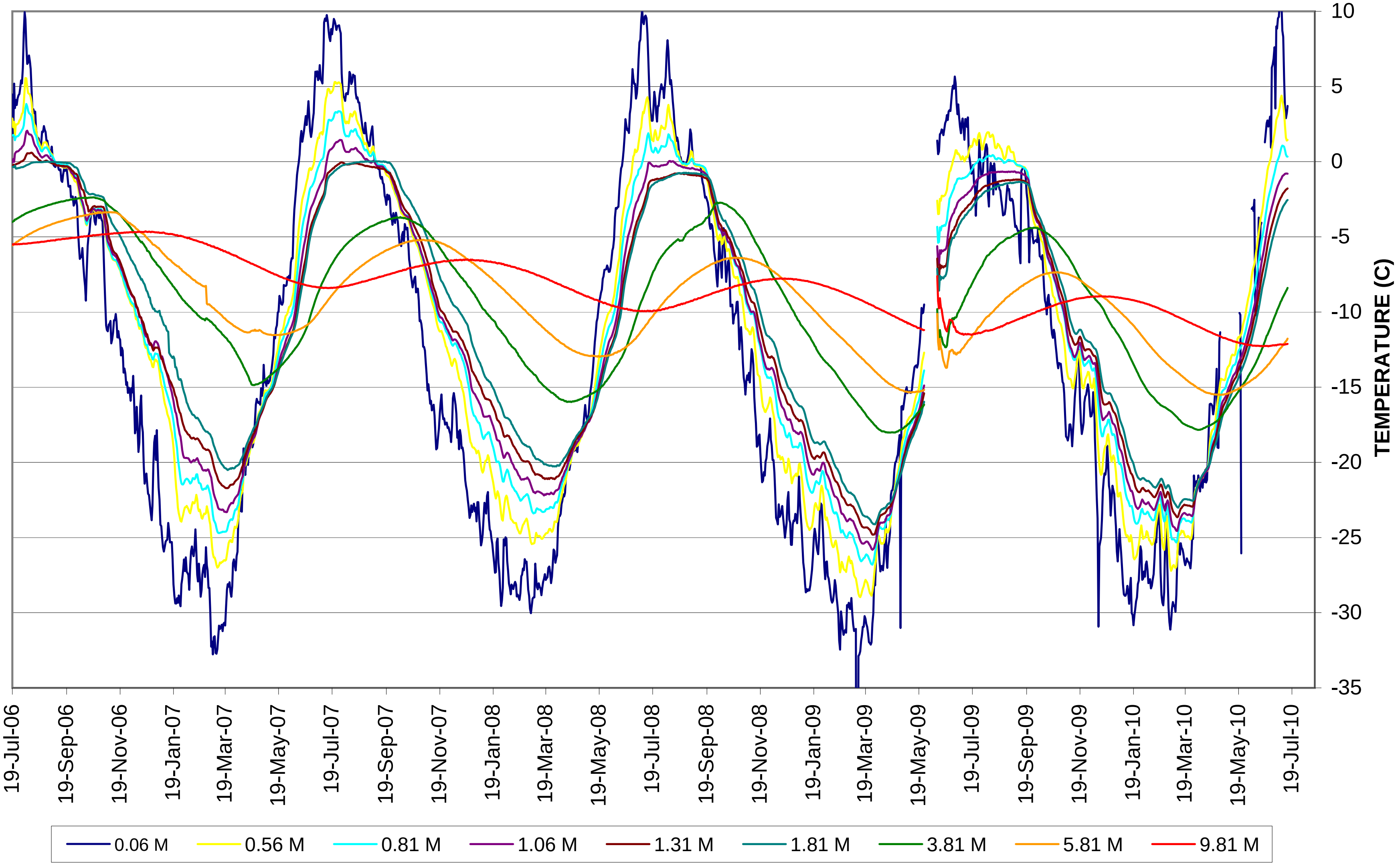
LRD LANDFILL - THERMISTOR #LRD2
Temperature By Depth Below Surface VS Date



LRD LANDFILL - THERMISTOR #LRD3
Temperature By Depth Below Surface VS Date



LRD LANDFILL - THERMISTOR #LRD4
Temperature By Depth Below Surface VS Date



LRD LANDFILL THERMISTOR DATA - #LRD1

Bulb	TH1_1	TH1_2	TH1_3	TH1_4	TH1_5	TH1_6	TH1_7	TH1_8	TH1_9	TH1_10	TH1_11	TH1_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.00 M	5.00 M	7.00 M	11.0 M
1/1/09	-18.71	-17.49		-15.83	-15.01		-13.73	-13.08	-11.74	-8.07	-6.818	-6.792
1/2/09	-18.63	-17.5		-15.9	-15.11		-13.86	-13.21	-11.84	-8.14	-6.864	-6.812
1/3/09	-18.39	-17.39		-15.94	-15.15		-13.89	-13.27	-11.92	-8.19	-6.918	-6.814
1/4/09	-18.35	-17.39		-15.94	-15.18		-13.97	-13.38	-12.03	-8.29	-6.937	-6.807
1/5/09	-18.44	-17.35		-15.96	-15.2		-14.05	-13.46	-12.1	-8.34	-6.954	-6.824
1/6/09	-18.62	-17.46		-15.97	-15.24		-14.09	-13.53	-12.19	-8.42	-6.987	-6.805
1/7/09	-18.97	-17.61		-16.06	-15.33		-14.15	-13.58	-12.28	-8.48	-7.04	-6.831
1/8/09	-19.39	-17.89		-16.18	-15.39		-14.23	-13.67	-12.36	-8.55	-7.06	-6.83
1/9/09	-19.74	-18.19		-16.35	-15.52		-14.3	-13.73	-12.42	-8.61	-7.1	-6.837
1/10/09	-20.14	-18.48		-16.53	-15.7		-14.42	-13.82	-12.51	-8.7	-7.13	-6.818
1/11/09	-20.55	-18.8		-16.78	-15.85		-14.54	-13.91	-12.6	-8.78	-7.18	-6.847
1/12/09	-20.89	-19.12		-17.02	-16.03		-14.68	-14.02	-12.68	-8.83	-7.24	-6.847
1/13/09	-21.1	-19.36		-17.24	-16.24		-14.83	-14.18	-12.8	-8.9	-7.27	-6.857
1/14/09	-21.31	-19.59		-17.42	-16.42		-14.98	-14.32	-12.91	-8.97	-7.3	-6.857
1/15/09	-21.45	-19.78		-17.61	-16.6		-15.15	-14.46	-13.02	-9.05	-7.32	-6.857
1/16/09	-21.56	-19.92		-17.77	-16.79		-15.31	-14.61	-13.14	-9.12	-7.39	-6.866
1/17/09	-21.61	-20.04		-17.94	-16.92		-15.47	-14.74	-13.3	-9.18	-7.45	-6.857
1/18/09	-21.57	-20.1		-18.1	-17.08		-15.61	-14.88	-13.41	-9.26	-7.48	-6.856
1/19/09	-21.41	-20.11		-18.17	-17.21		-15.77	-15.01	-13.53	-9.31	-7.5	-6.874
1/20/09	-21.16	-20.01		-18.23	-17.3		-15.86	-15.16	-13.61	-9.41	-7.55	-6.87
1/21/09	-21.01	-19.9		-18.25	-17.35		-15.96	-15.26	-13.74	-9.47	-7.58	-6.881
1/22/09	-20.98	-19.86		-18.25	-17.41		-16.05	-15.37	-13.85	-9.52	-7.63	-6.902
1/23/09	-21.04	-19.86		-18.28	-17.44		-16.13	-15.46	-13.96	-9.6	-7.68	-6.897
1/24/09	-21.07	-19.92		-18.31	-17.49		-16.19	-15.51	-14.04	-9.67	-7.7	-6.918
1/25/09	-21.13	-19.95		-18.33	-17.49		-16.25	-15.57	-14.13	-9.76	-7.76	-6.954
1/26/09	-21	-19.92		-18.4	-17.56		-16.31	-15.63	-14.22	-9.81	-7.82	-6.932
1/27/09	-20.66	-19.79		-18.4	-17.59		-16.34	-15.72	-14.3	-9.89	-7.84	-6.932
1/28/09	-20.38	-19.62		-18.33	-17.61		-16.42	-15.77	-14.35	-9.96	-7.88	-6.948
1/29/09	-20.27	-19.47		-18.29	-17.57		-16.44	-15.82	-14.42	-10.06	-7.92	-6.959
1/30/09	-20.36	-19.46		-18.24	-17.55		-16.46	-15.86	-14.5	-10.12	-7.99	-6.969
1/31/09	-20.65	-19.55		-18.23	-17.54		-16.47	-15.88	-14.54	-10.19	-8.02	-6.977
2/1/09	-21.02	-19.74		-18.26	-17.57		-16.5	-15.91	-14.6	-10.27	-8.07	-6.977
2/2/09	-21.36	-20		-18.38	-17.63		-16.53	-15.97	-14.63	-10.33	-8.11	-6.988
2/3/09	-21.45	-20.16		-18.53	-17.74		-16.58	-15.98	-14.73	-10.39	-8.14	-6.996
2/4/09	-21.55	-20.25		-18.64	-17.82		-16.66	-16.06	-14.74	-10.46	-8.18	-7.01
2/5/09	-21.73	-20.38		-18.74	-17.92		-16.72	-16.12	-14.81	-10.51	-8.24	-7.01
2/6/09	-21.94	-20.55		-18.84	-18.01		-16.81	-16.21	-14.86	-10.59	-8.29	-7.04
2/7/09	-22.18	-20.72		-18.96	-18.1		-16.9	-16.26	-14.91	-10.64	-8.33	-7.03
2/8/09	-22.43	-20.92		-19.09	-18.23		-16.99	-16.36	-15	-10.72	-8.36	-7.06
2/9/09	-22.65	-21.13		-19.25	-18.35		-17.08	-16.44	-15.09	-10.77	-8.44	-7.05
2/10/09	-22.88	-21.34		-19.39	-18.49		-17.18	-16.54	-15.15	-10.84	-8.48	-7.06
2/11/09	-22.99	-21.49		-19.56	-18.62		-17.31	-16.64	-15.25	-10.9	-8.51	-7.07
2/12/09	-23.03	-21.6		-19.7	-18.76		-17.41	-16.74	-15.31	-10.96	-8.57	-7.11
2/13/09	-22.95	-21.62		-19.81	-18.9		-17.52	-16.84	-15.41	-11.02	-8.6	-7.11
2/14/09	-22.98	-21.65		-19.88	-18.99		-17.63	-16.96	-15.49	-11.07	-8.65	-7.13
2/15/09	-23.16	-21.75		-19.97	-19.06		-17.73	-17.05	-15.61	-11.15	-8.7	-7.13
2/16/09	-23.38	-21.89		-20.07	-19.18		-17.84	-17.16	-15.69	-11.2	-8.75	-7.15
2/17/09	-23.67	-22.09		-20.19	-19.27		-17.93	-17.24	-15.77	-11.26	-8.78	-7.16
2/18/09	-24.01	-22.34		-20.32	-19.4		-18.02	-17.34	-15.86	-11.32	-8.84	-7.16
2/19/09	-24.36	-22.64		-20.51	-19.54		-18.13	-17.42	-15.94	-11.4	-8.87	-7.2
2/20/09	-24.21	-22.72		-20.68	-19.71		-18.25	-17.54	-16.02	-11.44	-8.91	-7.21
2/21/09	-24.17	-22.75		-20.81	-19.83		-18.38	-17.66	-16.14	-11.52	-8.96	-7.23
2/22/09	-24.29	-22.83		-20.91	-19.93		-18.5	-17.78	-16.23	-11.58	-9.01	-7.23
2/23/09	-24.45	-22.98		-20.99	-20.04		-18.6	-17.88	-16.32	-11.63	-9.07	-7.23
2/24/09	-24.6	-23.09		-21.09	-20.14		-18.7	-17.98	-16.41	-11.69	-9.1	-7.26
2/25/09	-24.68	-23.2		-21.23	-20.24		-18.8	-18.07	-16.5	-11.78	-9.15	-7.26
2/26/09	-24.66	-23.26		-21.32	-20.37		-18.92	-18.19	-16.65	-11.83	-9.18	-7.27
2/27/09	-24.5	-23.22		-21.39	-20.46		-19.01	-18.28	-16.7	-11.88	-9.22	-7.28
2/28/09	-24.34	-23.17		-21.45	-20.52		-19.1	-18.36	-16.82	-11.95	-9.27	-7.3
3/1/09	-24.29	-23.12		-21.47	-20.57		-19.18	-18.44	-16.89	-12.04	-9.3	-7.31
3/2/09	-24.42	-23.17		-21.45	-20.59		-19.26	-18.55	-16.97	-12.08	-9.34	-7.35
3/3/09	-24.46	-23.21		-21.52	-20.66		-19.33	-18.62	-17.06	-12.14	-9.4	-7.36
3/4/09	-24.41	-23.2		-21.58	-20.68		-19.38	-18.67	-17.14	-12.21	-9.44	-7.36
3/5/09	-24.56	-23.27		-21.61	-20.74		-19.44	-18.73	-17.19	-12.29	-9.48	-7.38
3/6/09	-24.79	-23.42		-21.64	-20.78		-19.51	-18.79	-17.26	-12.34	-9.54	-7.41
3/7/09	-25.03	-23.61		-21.75	-20.85		-19.54	-18.86	-17.32	-12.43	-9.6	-7.41
3/8/09	-25.19	-23.72		-21.89	-20.95		-19.64	-18.92	-17.41	-12.48	-9.62	-7.41

LRD LANDFILL THERMISTOR DATA - #LRD1

Bulb Depth	TH1_1 0.75 M	TH1_2 1.00 M	TH1_3 1.25 M	TH1_4 1.50 M	TH1_5 1.75 M	TH1_6 2.00 M	TH1_7 2.25 M	TH1_8 2.50 M	TH1_9 3.00 M	TH1_10 5.00 M	TH1_11 7.00 M	TH1_12 11.0 M
3/9/09	-25.3	-23.86		-21.99	-21.04		-19.7	-19.01	-17.46	-12.55	-9.66	-7.45
3/10/09	-25.5	-23.97		-22.09	-21.15		-19.79	-19.11	-17.56	-12.61	-9.71	-7.45
3/11/09	-25.74	-24.16		-22.2	-21.25		-19.89	-19.17	-17.62	-12.69	-9.74	-7.48
3/12/09	-25.99	-24.36		-22.35	-21.36		-19.96	-19.24	-17.68	-12.75	-9.8	-7.48
3/13/09	-26.16	-24.56		-22.5	-21.5		-20.07	-19.34	-17.78	-12.81	-9.83	-7.51
3/14/09	-26.25	-24.68		-22.61	-21.65		-20.18	-19.45	-17.88	-12.85	-9.87	-7.52
3/15/09	-26.2	-24.76		-22.76	-21.75		-20.31	-19.55	-17.94	-12.93	-9.89	-7.55
3/16/09	-26.17	-24.77		-22.84	-21.87		-20.42	-19.65	-18.05	-12.99	-9.95	-7.56
3/17/09	-26.08	-24.76		-22.91	-21.94		-20.52	-19.75	-18.14	-13.05	-9.98	-7.58
3/18/09	-26.05	-24.77		-22.95	-22.01		-20.59	-19.82	-18.2	-13.11	-10.01	-7.59
3/19/09	-25.92	-24.72		-22.98	-22.07		-20.68	-19.94	-18.32	-13.18	-10.05	-7.6
3/20/09	-25.84	-24.68		-22.98	-22.11		-20.71	-20.01	-18.38	-13.24	-10.1	-7.63
3/21/09	-25.88	-24.68		-23.01	-22.11		-20.78	-20.07	-18.48	-13.32	-10.18	-7.63
3/22/09	-25.91	-24.68		-23.05	-22.18		-20.85	-20.1	-18.54	-13.37	-10.21	-7.65
3/23/09	-26.03	-24.79		-23.08	-22.21		-20.91	-20.16	-18.6	-13.45	-10.28	-7.67
3/24/09	-26.16	-24.87		-23.12	-22.25		-20.95	-20.23	-18.66	-13.51	-10.31	-7.7
3/25/09	-26.32	-24.95		-23.23	-22.32		-21.02	-20.3	-18.73	-13.56	-10.36	-7.72
3/26/09	-26.41	-25.07		-23.31	-22.39		-21.05	-20.37	-18.8	-13.63	-10.42	-7.73
3/27/09	-26.42	-25.17		-23.36	-22.45		-21.14	-20.43	-18.85	-13.67	-10.47	-7.75
3/28/09	-26.25	-25.12		-23.43	-22.55		-21.2	-20.49	-18.9	-13.75	-10.51	-7.77
3/29/09	-26	-25.04		-23.43	-22.62		-21.31	-20.56	-18.97	-13.79	-10.59	-7.79
3/30/09	-25.61	-24.81		-23.44	-22.59		-21.31	-20.59	-19.04	-13.87	-10.63	-7.8
3/31/09	-25.32	-24.61		-23.32	-22.55		-21.35	-20.63	-19.11	-13.94	-10.67	-7.83
4/1/09	-24.89	-24.38		-23.21	-22.52		-21.35	-20.7	-19.17	-13.97	-10.7	-7.85
4/2/09	-24.4	-24.02		-23.08	-22.43		-21.33	-20.68	-19.19	-14.06	-10.76	-7.85
4/3/09	-24.13	-23.75		-22.93	-22.32		-21.33	-20.71	-19.25	-14.11	-10.81	-7.87
4/4/09	-23.96	-23.55		-22.77	-22.2		-21.25	-20.66	-19.27	-14.15	-10.85	-7.88
4/5/09	-24	-23.47		-22.63	-22.09		-21.21	-20.66	-19.3	-14.21	-10.9	-7.93
4/6/09	-24.13	-23.45		-22.53	-21.99		-21.15	-20.61	-19.28	-14.28	-10.94	-7.95
4/7/09	-24.05	-23.41		-22.49	-21.95		-21.08	-20.57	-19.27	-14.33	-10.99	-7.94
4/8/09	-24.04	-23.4		-22.45	-21.91		-21.04	-20.53	-19.27	-14.39	-11.04	-7.96
4/9/09	-24.06	-23.38		-22.39	-21.85		-21.02	-20.47	-19.25	-14.43	-11.08	-8.01
4/10/09	-23.99	-23.35		-22.4	-21.83		-20.96	-20.48	-19.26	-14.5	-11.15	-8.02
4/11/09	-23.73	-23.25		-22.41	-21.8		-20.97	-20.46	-19.24	-14.54	-11.18	-8.03
4/12/09	-23.48	-23.07		-22.27	-21.74		-20.94	-20.43	-19.24	-14.59	-11.23	-8.04
4/13/09	-23.49	-22.97		-22.17	-21.68		-20.91	-20.41	-19.22	-14.63	-11.27	-8.06
4/14/09	-23.46	-22.94		-22.11	-21.62		-20.85	-20.38	-19.22	-14.66	-11.33	-8.09
4/15/09	-23.38	-22.87		-22.07	-21.58		-20.82	-20.35	-19.22	-14.69	-11.36	-8.12
4/16/09	-23.32	-22.8		-22.05	-21.55		-20.79	-20.32	-19.2	-14.73	-11.39	-8.13
4/17/09	-23.12	-22.71		-21.96	-21.5		-20.75	-20.31	-19.19	-14.78	-11.45	-8.16
4/18/09	-22.74	-22.56		-21.88	-21.43		-20.71	-20.27	-19.21	-14.8	-11.49	-8.17
4/19/09	-22.41	-22.27		-21.77	-21.35		-20.66	-20.23	-19.17	-14.85	-11.54	-8.19
4/20/09	-22.17	-22.06		-21.64	-21.25		-20.6	-20.2	-19.15	-14.86	-11.57	-8.2
4/21/09	-21.88	-21.85		-21.5	-21.12		-20.57	-20.17	-19.18	-14.89	-11.6	-8.23
4/22/09	-21.57	-21.61		-21.33	-21.02		-20.48	-20.11	-19.12	-14.93	-11.66	-8.26
4/23/09	-21.26	-21.36		-21.15	-20.88		-20.37	-20.01	-19.09	-14.95	-11.71	-8.28
4/24/09	-21.02	-21.12		-20.99	-20.75		-20.31	-19.94	-19.06	-14.98	-11.74	-8.29
4/25/09	-20.78	-20.92		-20.82	-20.58		-20.17	-19.88	-19	-15.01	-11.77	-8.31
4/26/09	-20.54	-20.71		-20.65	-20.44		-20.08	-19.78	-18.96	-15.04	-11.83	-8.34
4/27/09	-20.28	-20.48		-20.48	-20.32		-19.98	-19.69	-18.87	-15.08	-11.86	-8.35
4/28/09	-20.02	-20.29		-20.29	-20.19		-19.86	-19.63	-18.82	-15.09	-11.9	-8.39
4/29/09	-19.65	-20.02		-20.18	-19.98		-19.75	-19.49	-18.75	-15.11	-11.95	-8.41
4/30/09	-19.26	-19.75		-19.95	-19.82		-19.62	-19.39	-18.68	-15.14	-12	-8.43
5/1/09	-18.97	-19.42		-19.75	-19.65		-19.49	-19.29	-18.62	-15.14	-12	-8.45
5/2/09	-18.72	-19.17		-19.53	-19.46		-19.37	-19.17	-18.53	-15.15	-12.03	-8.46
5/3/09	-18.53	-18.95		-19.3	-19.27		-19.2	-19.04	-18.5	-15.14	-12.09	-8.49
5/4/09	-18.25	-18.73		-19.11	-19.15		-19.05	-18.92	-18.41	-15.15	-12.1	-8.5
5/5/09	-18.03	-18.5		-18.88	-18.91		-18.91	-18.79	-18.31	-15.17	-12.14	-8.52
5/6/09	-17.78	-18.28		-18.72	-18.75		-18.78	-18.66	-18.18	-15.17	-12.17	-8.57
5/7/09	-17.65	-18.09		-18.53	-18.56		-18.62	-18.53	-18.09	-15.17	-12.19	-8.56
5/8/09	-17.5	-17.9		-18.37	-18.4		-18.5	-18.4	-17.99	-15.17	-12.22	-8.62
5/9/09	-17.38	-17.78		-18.21	-18.24		-18.34	-18.28	-17.9	-15.17	-12.28	-8.62
5/10/09	-17.25	-17.62		-18.05	-18.12		-18.21	-18.15	-17.84	-15.17	-12.27	-8.64
5/11/09	-17.16	-17.53		-17.9	-17.97		-18.09	-18.03	-17.72	-15.15	-12.31	-8.65
5/12/09	-17.01	-17.38		-17.78	-17.84		-17.93	-17.9	-17.62	-15.17	-12.33	-8.7
5/13/09	-16.84	-17.29		-17.66	-17.72		-17.82	-17.79	-17.51	-15.15	-12.37	-8.71
5/14/09	-16.6	-17.05		-17.54	-17.6		-17.69	-17.72	-17.42	-15.12	-12.37	-8.76

LRD LANDFILL THERMISTOR DATA - #LRD1

Bulb	TH1_1	TH1_2	TH1_3	TH1_4	TH1_5	TH1_6	TH1_7	TH1_8	TH1_9	TH1_10	TH1_11	TH1_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.00 M	5.00 M	7.00 M	11.0 M
5/15/09	-16.39	-16.87		-17.36	-17.48		-17.63	-17.57	-17.32	-15.12	-12.4	-8.74
5/16/09	-16.14	-16.68		-17.23	-17.35		-17.5	-17.47	-17.23	-15.09	-12.42	-8.75
5/17/09	-16	-16.53		-17.05	-17.17		-17.35	-17.38	-17.17	-15.06	-12.45	-8.81
5/18/09	-15.85	-16.33		-16.9	-17.02		-17.26	-17.23	-17.08	-15.06	-12.48	-8.81
5/19/09	-15.6	-16.16		-16.76	-16.88		-17.12	-17.12	-16.97	-15.05	-12.49	-8.85
5/20/09	-15.31	-15.95		-16.58	-16.73		-16.97	-17	-16.88	-15.05	-12.52	-8.88
5/21/09	-14.94	-15.67		-16.41	-16.59		-16.86	-16.92	-16.8	-14.97	-12.53	-8.86
5/22/09	-14.54	-15.37		-16.2	-16.43		-16.7	-16.76	-16.67	-14.97	-12.55	-8.91
5/23/09	-14.19	-15.05		-15.98	-16.28		-16.58	-16.67	-16.61	-14.93	-12.54	-8.95
5/24/09	-13.91	-14.76		-15.74	-16.01		-16.43	-16.52	-16.49	-14.9	-12.57	-8.95
5/25/09	-13.64	-14.49		-15.5	-15.82		-16.29	-16.35	-16.35	-14.86	-12.59	-8.97
5/26/09												
5/27/09												
5/28/09												
5/29/09												
5/30/09												
5/31/09												
6/1/09												
6/2/09												
6/3/09												
6/4/09												
6/5/09												
6/6/09												
6/7/09												
6/8/09												
6/9/09	-4.515	-5.672		-7.32	-7.87		-8.91	-9.23	-9.73	-9.89	-8.65	-5.929
6/10/09	-5.955	-7.12		-8.83	-9.41		-10.52	-10.87	-11.46	-11.73	-10.42	-7.51
6/11/09	-5.78	-7.04		-8.84	-9.49		-10.66	-11.06	-11.74	-12.12	-10.79	-7.8
6/12/09	-4.731	-6.094		-7.85	-8.58		-9.71	-10.19	-10.85	-11.39	-10.11	-7.1
6/13/09	-4.911	-6.3		-8.11	-8.9		-10.03	-10.53	-11.28	-11.88	-10.69	-7.64
6/14/09	-3.243	-4.654		-7.54	-8.58		-9.92	-10.43	-11.25	-12.01	-10.8	-7.75
6/15/09	-3.551	-4.885		-7.36	-8.42		-9.95	-10.56	-11.47	-12.39	-11.2	-8.11
6/16/09	-3.776	-5.137		-7.43	-8.39		-9.94	-10.61	-11.63	-12.66	-11.52	-8.45
6/17/09	-3.705	-5.116		-7.33	-8.27		-9.79	-10.51	-11.55	-12.78	-11.69	-8.63
6/18/09	-3.705	-5.117		-7.28	-8.27		-9.76	-10.51	-11.6	-13	-11.98	-8.92
6/19/09	-3.551	-4.988		-7.15	-8.11		-9.63	-10.35	-11.52	-13.08	-12.12	-9.05
6/20/09	-3.274	-4.788		-6.976	-7.91		-9.42	-10.16	-11.34	-13.06	-12.15	-9.14
6/21/09	-2.73	-4.192		-6.455	-7.39		-8.9	-9.58	-10.83	-12.67	-11.82	-8.9
6/22/09	-2.345	-3.782		-5.991	-6.971		-8.45	-9.18	-10.4	-12.39	-11.6	-8.69
6/23/09	-1.858	-3.27		-5.477	-6.456		-7.91	-8.63	-9.87	-11.96	-11.26	-8.4
6/24/09	-1.811	-3.145		-5.327	-6.279		-7.75	-8.48	-9.74	-11.91	-11.28	-8.48
6/25/09	-1.628	-2.989		-5.118	-6.096		-7.54	-8.27	-9.53	-11.8	-11.26	-8.5
6/26/09	-1.458	-2.844		-4.973	-5.924		-7.37	-8.12	-9.38	-11.75	-11.29	-8.54
6/27/09	-1.334	-2.746		-4.875	-5.851		-7.35	-8.05	-9.35	-11.81	-11.4	-8.67
6/28/09	-1.277	-2.715		-4.895	-5.897		-7.34	-8.12	-9.38	-11.96	-11.61	-8.93
6/29/09	-1.135	-2.521		-4.752	-5.728		-7.2	-7.92	-9.23	-11.84	-11.59	-8.94
6/30/09	-0.995	-2.485		-4.742	-5.744		-7.19	-7.97	-9.25	-11.94	-11.78	-9.14
7/1/09	-0.854	-2.345		-4.577	-5.631		-7.13	-7.88	-9.18	-11.93	-11.85	-9.26
7/2/09	-0.782	-2.119		-4.376	-5.403		-6.898	-7.67	-8.98	-11.8	-11.77	-9.21
7/3/09	-0.834	-2.119		-4.249	-5.301		-6.821	-7.6	-8.93	-11.8	-11.85	-9.32
7/4/09	-0.854	-2.062		-4.115	-5.167		-6.687	-7.46	-8.76	-11.71	-11.82	-9.37
7/5/09	-0.92	-2.051		-4.053	-5.055		-6.574	-7.35	-8.68	-11.68	-11.84	-9.44
7/6/09	-0.977	-2.005		-3.956	-4.957		-6.424	-7.22	-8.52	-11.57	-11.79	-9.44
7/7/09	-1.009	-2.011		-3.859	-4.808		-6.274	-7.05	-8.37	-11.5	-11.74	-9.47
7/8/09	-0.983	-1.985		-3.782	-4.731		-6.171	-6.945	-8.29	-11.42	-11.74	-9.47
7/9/09	-1.019	-1.996		-3.793	-4.666		-6.106	-6.855	-8.18	-11.38	-11.76	-9.54
7/10/09	-1.023	-1.923		-3.668	-4.592		-5.981	-6.729	-8.05	-11.25	-11.7	-9.54
7/11/09	-1.02	-1.894		-3.562	-4.459		-5.846	-6.593	-7.89	-11.1	-11.61	-9.51
7/12/09	-0.977	-1.903		-3.545	-4.444		-5.806	-6.527	-7.82	-11.06	-11.63	-9.57
7/13/09	-0.977	-1.851		-3.494	-4.366		-5.702	-6.45	-7.72	-11.01	-11.6	-9.6
7/14/09	-0.886	-1.786		-3.403	-4.249		-5.585	-6.357	-7.6	-10.86	-11.5	-9.58
7/15/09	-0.763	-1.714		-3.331	-4.177		-5.512	-6.207	-7.47	-10.75	-11.45	-9.61
7/16/09	-0.609	-1.663		-3.305	-4.126		-5.461	-6.155	-7.42	-10.73	-11.45	-9.64
7/17/09	-0.5	-1.58		-3.274	-4.069		-5.404	-6.099	-7.34	-10.64	-11.47	-9.66
7/18/09	-0.442	-1.472		-3.166	-4.013		-5.322	-6.017	-7.26	-10.59	-11.39	-9.68
7/19/09	-0.377	-1.406		-3.075	-3.895		-5.23	-5.924	-7.16	-10.46	-11.34	-9.67
7/20/09	-0.248	-1.329		-2.998	-3.87		-5.153	-5.847	-7.06	-10.41	-11.32	-9.67

LRD LANDFILL THERMISTOR DATA - #LRD1

Bulb Depth	TH1_1 0.75 M	TH1_2 1.00 M	TH1_3 1.25 M	TH1_4 1.50 M	TH1_5 1.75 M	TH1_6 2.00 M	TH1_7 2.25 M	TH1_8 2.50 M	TH1_9 3.00 M	TH1_10 5.00 M	TH1_11 7.00 M	TH1_12 11.0 M
7/21/09	-0.171	-1.226		-2.895	-3.741		-5.05	-5.744	-6.955	-10.3	-11.24	-9.67
7/22/09	-0.107	-1.163		-2.884	-3.679		-5.014	-5.682	-6.92	-10.24	-11.25	-9.71
7/23/09	-0.107	-1.086		-2.781	-3.602		-4.885	-5.579	-6.816	-10.16	-11.17	-9.71
7/24/09	-0.164	-1.04		-2.684	-3.53		-4.788	-5.507	-6.718	-10.06	-11.1	-9.69
7/25/09	-0.047	-1		-2.617	-3.412		-4.695	-5.414	-6.598	-9.96	-11.05	-9.72
7/26/09	0.107	-0.949		-2.567	-3.362		-4.644	-5.337	-6.547	-9.88	-11	-9.72
7/27/09	0.2	-0.909		-2.527	-3.323		-4.58	-5.273	-6.483	-9.84	-11.01	-9.71
7/28/09	0.189	-0.843		-2.462	-3.284		-4.515	-5.235	-6.419	-9.81	-10.98	-9.75
7/29/09	0.086	-0.791		-2.411	-3.206		-4.464	-5.132	-6.342	-9.73	-10.9	-9.75
7/30/09	-0.078	-0.774		-2.368	-3.138		-4.369	-5.063	-6.298	-9.63	-10.85	-9.76
7/31/09	-0.076	-0.772		-2.315	-3.059		-4.291	-4.984	-6.167	-9.55	-10.82	-9.73
8/1/09	0.044	-0.729		-2.22	-2.99		-4.247	-4.889	-6.071	-9.45	-10.72	-9.71
8/2/09	0.129	-0.696		-2.187	-2.932		-4.189	-4.831	-6.013	-9.39	-10.66	-9.71
8/3/09	0.197	-0.654		-2.145	-2.889		-4.069	-4.736	-5.919	-9.32	-10.59	-9.69
8/4/09	0.301	-0.653		-2.093	-2.837		-4.043	-4.684	-5.867	-9.24	-10.56	-9.71
8/5/09	0.358	-0.623		-2.088	-2.833		-4.013	-4.654	-5.836	-9.18	-10.56	-9.74
8/6/09	0.353	-0.602		-2.093	-2.811		-3.991	-4.633	-5.789	-9.16	-10.54	-9.74
8/7/09	0.409	-0.494		-2.063	-2.781		-3.961	-4.577	-5.734	-9.11	-10.51	-9.76
8/8/09	0.358	-0.519		-2.037	-2.755		-3.91	-4.551	-5.682	-9.05	-10.48	-9.76
8/9/09	0.351	-0.551		-2.017	-2.71		-3.864	-4.505	-5.636	-8.98	-10.43	-9.77
8/10/09	0.328	-0.497		-1.963	-2.682		-3.811	-4.452	-5.582	-8.92	-10.37	-9.79
8/11/09	0.384	-0.493		-1.934	-2.652		-3.781	-4.397	-5.527	-8.87	-10.35	-9.82
8/12/09	0.37	-0.482		-1.897	-2.59		-3.72	-4.361	-5.466	-8.81	-10.31	-9.78
8/13/09	0.27	-0.478		-1.868	-2.587		-3.716	-4.332	-5.463	-8.78	-10.25	-9.78
8/14/09	0.132	-0.487		-1.851	-2.544		-3.648	-4.263	-5.368	-8.71	-10.23	-9.76
8/15/09	0.086	-0.508		-1.82	-2.514		-3.617	-4.259	-5.338	-8.62	-10.18	-9.78
8/16/09	0.125	-0.468		-1.806	-2.499		-3.577	-4.167	-5.271	-8.61	-10.11	-9.76
8/17/09	0.183	-0.488		-1.8	-2.442		-3.545	-4.161	-5.214	-8.52	-10.08	-9.76
8/18/09	0.182	-0.463		-1.775	-2.443		-3.521	-4.085	-5.164	-8.47	-10.02	-9.73
8/19/09	0.189	-0.456		-1.743	-2.385		-3.489	-4.053	-5.106	-8.42	-9.99	-9.73
8/20/09	0.137	-0.456		-1.717	-2.385		-3.412	-4.002	-5.081	-8.34	-9.94	-9.73
8/21/09	0.094	-0.474		-1.709	-2.352		-3.404	-3.995	-5.048	-8.3	-9.91	-9.75
8/22/09	0.017	-0.473		-1.683	-2.326		-3.378	-3.943	-5.022	-8.25	-9.88	-9.75
8/23/09	-0.103	-0.49		-1.674	-2.317		-3.344	-3.909	-4.936	-8.19	-9.85	-9.71
8/24/09	-0.186	-0.496		-1.68	-2.297		-3.298	-3.914	-4.916	-8.17	-9.77	-9.72
8/25/09	-0.165	-0.501		-1.659	-2.276		-3.303	-3.867	-4.869	-8.1	-9.72	-9.7
8/26/09	-0.146	-0.507		-1.614	-2.231		-3.232	-3.822	-4.823	-8.02	-9.67	-9.67
8/27/09	-0.081	-0.493		-1.625	-2.216		-3.217	-3.756	-4.757	-7.96	-9.63	-9.66
8/28/09	0.049	-0.493		-1.599	-2.216		-3.191	-3.73	-4.731	-7.93	-9.58	-9.66
8/29/09	0.086	-0.507		-1.614	-2.231		-3.181	-3.72	-4.695	-7.89	-9.57	-9.67
8/30/09	0.086	-0.508		-1.614	-2.205		-3.155	-3.694	-4.695	-7.84	-9.52	-9.65
8/31/09	0.034	-0.482		-1.588	-2.179		-3.129	-3.668	-4.644	-7.79	-9.49	-9.65
9/1/09	-0.017	-0.533		-1.588	-2.179		-3.104	-3.642	-4.618	-7.74	-9.44	-9.62
9/2/09	-0.094	-0.533		-1.588	-2.153		-3.103	-3.617	-4.592	-7.71	-9.41	-9.62
9/3/09	-0.069	-0.533		-1.589	-2.154		-3.078	-3.643	-4.567	-7.66	-9.38	-9.65
9/4/09	-0.083	-0.522		-1.577	-2.143		-3.067	-3.581	-4.531	-7.6	-9.32	-9.61
9/5/09	-0.154	-0.541		-1.571	-2.163		-3.062	-3.55	-4.5	-7.57	-9.29	-9.63
9/6/09	-0.277	-0.535		-1.591	-2.106		-3.031	-3.544	-4.469	-7.54	-9.26	-9.6
9/7/09	-0.361	-0.567		-1.572	-2.112		-3.036	-3.524	-4.474	-7.49	-9.21	-9.61
9/8/09	-0.435	-0.59		-1.542	-2.108		-3.007	-3.495	-4.42	-7.49	-9.18	-9.58
9/9/09	-0.432	-0.613		-1.54	-2.131		-2.979	-3.493	-4.392	-7.41	-9.18	-9.58
9/10/09	-0.484	-0.664		-1.566	-2.106		-2.954	-3.467	-4.366	-7.36	-9.1	-9.58
9/11/09	-0.498	-0.704		-1.58	-2.069		-2.968	-3.456	-4.33	-7.32	-9.09	-9.57
9/12/09	-0.555	-0.71		-1.586	-2.1		-2.948	-3.436	-4.309	-7.33	-9.07	-9.55
9/13/09	-0.605	-0.734		-1.584	-2.072		-2.92	-3.408	-4.282	-7.27	-8.99	-9.57
9/14/09	-0.664	-0.793		-1.591	-2.08		-2.902	-3.39	-4.263	-7.23	-8.97	-9.52
9/15/09	-0.722	-0.851		-1.623	-2.086		-2.908	-3.37	-4.243	-7.18	-8.92	-9.53
9/16/09	-0.767	-0.896		-1.643	-2.08		-2.902	-3.364	-4.212	-7.15	-8.92	-9.5
9/17/09	-0.819	-0.974		-1.669	-2.131		-2.902	-3.364	-4.186	-7.1	-8.87	-9.52
9/18/09	-0.905	-1.034		-1.704	-2.141		-2.886	-3.349	-4.197	-7.08	-8.85	-9.49
9/19/09	-1.234	-1.105		-1.749	-2.16		-2.906	-3.343	-4.165	-7.08	-8.85	-9.48
9/20/09	-1.646	-1.568		-1.8	-2.212		-2.906	-3.343	-4.165	-7	-8.77	-9.48
9/21/09	-2.046	-1.943		-1.943	-2.252		-2.92	-3.332	-4.129	-6.99	-8.79	-9.47
9/22/09	-2.552	-2.501		-2.449	-2.449		-2.938	-3.349	-4.121	-6.957	-8.75	-9.46
9/23/09	-2.752	-2.674		-2.649	-2.649		-2.983	-3.368	-4.139	-6.922	-8.69	-9.45
9/24/09	-2.933	-2.881		-2.855	-2.83		-3.035	-3.395	-4.14	-6.898	-8.67	-9.43
9/25/09	-3.06	-3.009		-2.957	-2.957		-3.086	-3.445	-4.139	-6.871	-8.64	-9.43

LRD LANDFILL THERMISTOR DATA - #LRD1

Bulb	TH1_1	TH1_2	TH1_3	TH1_4	TH1_5	TH1_6	TH1_7	TH1_8	TH1_9	TH1_10	TH1_11	TH1_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.00 M	5.00 M	7.00 M	11.0 M
9/26/09	-3.311	-3.26		-3.209	-3.183		-3.183	-3.491	-4.134	-6.84	-8.61	-9.42
9/27/09	-3.547	-3.495		-3.444	-3.393		-3.315	-3.547	-4.164	-6.818	-8.56	-9.4
9/28/09	-3.702	-3.625		-3.574	-3.522		-3.394	-3.625	-4.191	-6.767	-8.54	-9.4
9/29/09	-3.779	-3.754		-3.728	-3.625		-3.497	-3.702	-4.242	-6.741	-8.51	-9.37
9/30/09	-3.913	-3.888		-3.836	-3.759		-3.605	-3.759	-4.247	-6.72	-8.49	-9.38
10/1/09	-3.919	-3.867		-3.816	-3.739		-3.662	-3.842	-4.278	-6.699	-8.44	-9.36
10/2/09	-3.944	-3.867		-3.816	-3.764		-3.739	-3.919	-4.355	-6.674	-8.41	-9.36
10/3/09	-4.088	-4.011		-3.934	-3.882		-3.831	-3.985	-4.371	-6.638	-8.4	-9.35
10/4/09	-4.386	-4.334		-4.257	-4.18		-4	-4.077	-4.411	-6.628	-8.39	-9.34
10/5/09	-4.489	-4.463		-4.386	-4.309		-4.077	-4.154	-4.489	-6.602	-8.34	-9.31
10/6/09	-4.644	-4.618		-4.541	-4.438		-4.206	-4.206	-4.515	-6.603	-8.32	-9.31
10/7/09	-4.705	-4.679		-4.602	-4.525		-4.268	-4.293	-4.602	-6.586	-8.3	-9.3
10/8/09	-4.905	-4.879		-4.802	-4.699		-4.39	-4.365	-4.622	-6.582	-8.27	-9.29
10/9/09	-5.21	-5.21		-5.133	-5.004		-4.592	-4.463	-4.669	-6.553	-8.24	-9.29
10/10/09	-5.523	-5.549		-5.446	-5.291		-4.828	-4.545	-4.725	-6.531	-8.22	-9.27
10/11/09	-5.756	-5.781		-5.678	-5.523		-4.982	-4.622	-4.776	-6.531	-8.19	-9.27
10/12/09	-6.029	-6.055		-5.952	-5.771		-5.178	-4.714	-4.817	-6.521	-8.16	-9.23
10/13/09	-6.085	-6.111		-6.008	-5.853		-5.26	-4.823	-4.9	-6.525	-8.13	-9.23
10/14/09	-6.101	-6.127		-6.05	-5.895		-5.328	-4.941	-4.941	-6.515	-8.12	-9.22
10/15/09	-6.359	-6.385		-6.308	-6.127		-5.508	-5.018	-5.018	-6.515	-8.1	-9.2
10/16/09	-6.427	-6.453		-6.375	-6.194		-5.575	-5.111	-5.085	-6.505	-8.11	-9.19
10/17/09	-6.734	-6.76		-6.656	-6.475		-5.803	-5.235	-5.158	-6.501	-8.06	-9.19
10/18/09	-7.06	-7.12		-6.987	-6.78		-6.004	-5.333	-5.23	-6.495	-8.03	-9.18
10/19/09	-7.27	-7.32		-7.22	-6.987		-6.184	-5.462	-5.307	-6.495	-8	-9.18
10/20/09	-7.36	-7.41		-7.31	-7.1		-6.298	-5.549	-5.395	-6.505	-8.01	-9.16
10/21/09	-7.5	-7.56		-7.45	-7.22		-6.415	-5.666	-5.485	-6.519	-7.97	-9.15
10/22/09	-7.78	-7.84		-7.73	-7.47		-6.614	-5.787	-5.529	-6.511	-7.97	-9.12
10/23/09	-7.98	-8.03		-7.93	-7.67		-6.786	-5.906	-5.622	-6.527	-7.93	-9.11
10/24/09	-8.28	-8.35		-8.22	-7.94		-6.999	-6.041	-5.706	-6.533	-7.94	-9.11
10/25/09	-8.51	-8.61		-8.45	-8.19		-7.18	-6.164	-5.803	-6.553	-7.9	-9.11
10/26/09	-8.65	-8.72		-8.59	-8.31		-7.31	-6.304	-5.89	-6.537	-7.89	-9.09
10/27/09	-8.8	-8.88		-8.72	-8.46		-7.44	-6.407	-5.994	-6.563	-7.89	-9.09
10/28/09	-8.93	-9.01		-8.88	-8.57		-7.6	-6.537	-6.071	-6.588	-7.86	-9.07
10/29/09	-9.14	-9.21		-9.08	-8.77		-7.75	-6.682	-6.19	-6.604	-7.85	-9.06
10/30/09	-9.42	-9.53		-9.35	-9.03		-7.98	-6.811	-6.293	-6.63	-7.85	-9.06
10/31/09	-9.64	-9.74		-9.56	-9.24		-8.14	-6.941	-6.397	-6.63	-7.83	-9.03
11/1/09	-9.89	-10		-9.84	-9.47		-8.34	-7.09	-6.491	-6.646	-7.82	-9.02
11/2/09	-10.22	-10.33		-10.14	-9.77		-8.56	-7.22	-6.601	-6.678	-7.82	-9
11/3/09	-10.64	-10.77		-10.56	-10.13		-8.86	-7.4	-6.721	-6.695	-7.81	-9.02
11/4/09	-10.93	-11.09		-10.87	-10.42		-9.06	-7.55	-6.844	-6.74	-7.81	-8.99
11/5/09	-11.22	-11.38		-11.17	-10.71		-9.3	-7.7	-6.948	-6.766	-7.81	-8.99
11/6/09	-11.41	-11.55		-11.33	-10.98		-9.43	-7.88	-7.05	-6.792	-7.78	-8.96
11/7/09	-11.57	-11.74		-11.49	-11.22		-9.54	-8.04	-7.18	-6.822	-7.78	-8.96
11/8/09	-11.7	-11.86		-11.59	-11.32		-9.69	-8.24	-7.33	-6.838	-7.77	-8.95
11/9/09	-11.82	-11.98		-11.71	-11.44		-9.83	-8.41	-7.47	-6.896	-7.78	-8.96
11/10/09	-12.03	-12.16		-11.92	-11.65		-10.01	-8.58	-7.61	-6.912	-7.77	-8.92
11/11/09	-12.08	-12.22		-12	-11.73		-10.09	-8.74	-7.75	-6.941	-7.77	-8.92
11/12/09	-12.09	-12.2		-11.98	-11.74		-10.15	-8.88	-7.89	-7	-7.76	-8.91
11/13/09	-12.02	-12.07		-11.85	-11.55		-10.19	-9.05	-8.05	-7.04	-7.77	-8.89
11/14/09	-11.96	-11.91		-11.69	-11.39		-10.16	-9.18	-8.18	-7.09	-7.77	-8.89
11/15/09	-11.94	-11.81		-11.54	-11.24		-10.09	-9.29	-8.32	-7.13	-7.78	-8.87
11/16/09	-11.98	-11.76		-11.36	-11.09		-10.04	-9.41	-8.44	-7.16	-7.76	-8.86
11/17/09	-11.75	-11.73		-11.18	-10.92		-10.04	-9.51	-8.59	-7.23	-7.78	-8.85
11/18/09	-11.74	-11.52		-11.09	-10.84		-10.04	-9.57	-8.7	-7.29	-7.78	-8.86
11/19/09	-11.74	-11.58		-11.2	-10.9		-10.07	-9.62	-8.78	-7.34	-7.78	-8.86
11/20/09	-11.95	-11.76		-11.38	-11.02		-10.09	-9.66	-8.87	-7.38	-7.8	-8.84
11/21/09	-12.28	-12.04		-11.6	-11.14		-10.12	-9.7	-8.93	-7.44	-7.81	-8.83
11/22/09	-12.66	-12.3		-11.73	-11.19		-10.17	-9.74	-9	-7.51	-7.8	-8.82
11/23/09	-12.99	-12.55		-11.73	-11.05		-10.19	-9.77	-9.08	-7.57	-7.83	-8.79
11/24/09	-13.2	-12.7		-11.72	-11.04		-10.29	-9.84	-9.15	-7.61	-7.84	-8.81
11/25/09	-13.28	-12.69		-11.71	-11.14		-10.36	-9.94	-9.22	-7.65	-7.84	-8.78
11/26/09	-13.22	-12.67		-11.74	-11.22		-10.47	-10.04	-9.33	-7.73	-7.86	-8.78
11/27/09	-13.14	-12.65		-11.8	-11.31		-10.56	-10.13	-9.42	-7.77	-7.87	-8.76
11/28/09	-13.06	-12.59		-11.82	-11.34		-10.64	-10.26	-9.49	-7.82	-7.89	-8.78
11/29/09	-12.97	-12.53		-11.82	-11.36		-10.68	-10.34	-9.57	-7.89	-7.91	-8.78
11/30/09	-13.01	-12.54		-11.83	-11.4		-10.72	-10.4	-9.66	-7.93	-7.93	-8.76
12/1/09	-13.24	-12.63		-11.86	-11.4		-10.78	-10.46	-9.74	-7.98	-7.93	-8.74

LRD LANDFILL THERMISTOR DATA - #LRD1

Bulb Depth	TH1_1 0.75 M	TH1_2 1.00 M	TH1_3 1.25 M	TH1_4 1.50 M	TH1_5 1.75 M	TH1_6 2.00 M	TH1_7 2.25 M	TH1_8 2.50 M	TH1_9 3.00 M	TH1_10 5.00 M	TH1_11 7.00 M	TH1_12 11.0 M
12/2/09	-13.5	-12.78		-11.93	-11.46		-10.84	-10.52	-9.81	-8.04	-7.97	-8.75
12/3/09	-13.67	-12.97		-12.03	-11.54		-10.9	-10.57	-9.86	-8.09	-7.96	-8.75
12/4/09	-13.7	-13.06		-12.13	-11.61		-10.99	-10.64	-9.89	-8.13	-7.98	-8.71
12/5/09	-13.57	-13.06		-12.21	-11.72		-11.07	-10.72	-9.97	-8.18	-8.02	-8.73
12/6/09	-13.66	-13.02		-12.25	-11.76		-11.13	-10.81	-10.03	-8.24	-8.03	-8.74
12/7/09	-14.19	-13.26		-12.31	-11.82		-11.2	-10.85	-10.1	-8.3	-8.07	-8.72
12/8/09	-14.86	-13.67		-12.47	-11.92		-11.27	-10.92	-10.19	-8.34	-8.08	-8.71
12/9/09	-15.53	-14.15		-12.72	-12.08		-11.35	-11	-10.22	-8.37	-8.08	-8.71
12/10/09	-16.2	-14.71		-13.04	-12.32		-11.47	-11.09	-10.31	-8.43	-8.12	-8.7
12/11/09	-16.86	-15.23		-13.4	-12.57		-11.63	-11.23	-10.39	-8.49	-8.15	-8.7
12/12/09	-17.55	-15.77		-13.78	-12.88		-11.81	-11.38	-10.49	-8.53	-8.16	-8.69
12/13/09	-18.08	-16.31		-14.18	-13.22		-12.03	-11.54	-10.6	-8.58	-8.17	-8.69
12/14/09	-18.33	-16.69		-14.55	-13.53		-12.26	-11.74	-10.74	-8.62	-8.2	-8.67
12/15/09	-18.27	-16.88		-14.85	-13.85		-12.51	-11.94	-10.88	-8.68	-8.23	-8.68
12/16/09	-17.98	-16.87		-15.04	-14.09		-12.75	-12.15	-11.03	-8.72	-8.25	-8.67
12/17/09	-17.71	-16.76		-15.13	-14.24		-12.95	-12.35	-11.18	-8.78	-8.29	-8.68
12/18/09	-17.52	-16.66		-15.18	-14.38		-13.14	-12.53	-11.36	-8.83	-8.3	-8.67
12/19/09	-17.44	-16.56		-15.23	-14.45		-13.27	-12.68	-11.48	-8.87	-8.32	-8.66
12/20/09	-17.26	-16.5		-15.23	-14.51		-13.38	-12.8	-11.62	-8.93	-8.35	-8.67
12/21/09	-16.99	-16.36		-15.23	-14.54		-13.49	-12.91	-11.76	-9	-8.37	-8.66
12/22/09	-16.98	-16.25		-15.19	-14.56		-13.54	-13.01	-11.88	-9.07	-8.38	-8.67
12/23/09	-17.17	-16.29		-15.17	-14.57		-13.6	-13.1	-11.97	-9.13	-8.42	-8.66
12/24/09	-17.46	-16.45		-15.24	-14.6		-13.67	-13.16	-12.06	-9.21	-8.45	-8.66
12/25/09	-17.83	-16.69		-15.33	-14.67		-13.7	-13.2	-12.12	-9.25	-8.46	-8.64
12/26/09	-17.93	-16.88		-15.48	-14.79		-13.79	-13.29	-12.21	-9.31	-8.5	-8.65
12/27/09	-17.87	-16.95		-15.61	-14.88		-13.88	-13.37	-12.29	-9.39	-8.52	-8.65
12/28/09	-17.94	-16.99		-15.7	-14.97		-13.97	-13.47	-12.38	-9.45	-8.56	-8.66
12/29/09	-18.18	-17.12		-15.77	-15.07		-14.07	-13.56	-12.45	-9.51	-8.59	-8.67
12/30/09	-18.52	-17.36		-15.89	-15.18		-14.15	-13.64	-12.55	-9.58	-8.61	-8.66
12/31/09	-18.92	-17.63		-16.05	-15.31		-14.27	-13.73	-12.64	-9.64	-8.64	-8.67
1/1/10	-19.46	-17.99		-16.27	-15.45		-14.38	-13.84	-12.72	-9.69	-8.66	-8.64
1/2/10	-19.86	-18.37		-16.52	-15.66		-14.5	-13.96	-12.81	-9.78	-8.69	-8.67
1/3/10	-19.91	-18.58		-16.78	-15.89		-14.66	-14.09	-12.92	-9.83	-8.72	-8.67
1/4/10	-19.82	-18.68		-16.96	-16.06		-14.83	-14.23	-13.02	-9.9	-8.76	-8.66
1/5/10	-19.95	-18.75		-17.09	-16.22		-14.98	-14.38	-13.14	-9.96	-8.8	-8.67
1/6/10	-20.23	-18.95		-17.25	-16.37		-15.13	-14.53	-13.25	-10.01	-8.85	-8.66
1/7/10	-20.61	-19.21		-17.44	-16.53		-15.28	-14.64	-13.37	-10.07	-8.88	-8.67
1/8/10	-21.08	-19.53		-17.65	-16.73		-15.42	-14.79	-13.5	-10.14	-8.9	-8.66
1/9/10	-21.5	-19.9		-17.91	-16.92		-15.57	-14.93	-13.62	-10.23	-8.93	-8.67
1/10/10	-21.86	-20.24		-18.16	-17.17		-15.75	-15.08	-13.77	-10.29	-8.96	-8.67
1/11/10	-22.18	-20.55		-18.42	-17.39		-15.94	-15.27	-13.89	-10.35	-9	-8.65
1/12/10	-22.37	-20.82		-18.68	-17.61		-16.15	-15.41	-14	-10.41	-9.03	-8.68
1/13/10	-22.46	-20.98		-18.89	-17.84		-16.35	-15.61	-14.16	-10.47	-9.06	-8.67
1/14/10	-22.6	-21.11		-19.07	-18.02		-16.52	-15.8	-14.32	-10.54	-9.11	-8.68
1/15/10	-22.81	-21.31		-19.27	-18.21		-16.7	-15.95	-14.47	-10.6	-9.14	-8.69
1/16/10	-22.8	-21.47		-19.45	-18.39		-16.9	-16.12	-14.62	-10.69	-9.18	-8.7
1/17/10	-22.79	-21.5		-19.57	-18.54		-17.04	-16.29	-14.76	-10.77	-9.22	-8.7
1/18/10	-22.99	-21.63		-19.69	-18.68		-17.21	-16.45	-14.89	-10.83	-9.25	-8.7
1/19/10	-23.38	-21.85		-19.86	-18.82		-17.34	-16.58	-15.05	-10.92	-9.29	-8.71
1/20/10	-23.69	-22.15		-20.07	-19.02		-17.51	-16.71	-15.17	-11.02	-9.34	-8.7
1/21/10	-23.83	-22.36		-20.27	-19.18		-17.66	-16.89	-15.32	-11.09	-9.36	-8.7
1/22/10	-23.92	-22.51		-20.45	-19.39		-17.83	-17.06	-15.47	-11.16	-9.4	-8.71
1/23/10	-23.93	-22.59		-20.63	-19.53		-17.99	-17.22	-15.6	-11.25	-9.46	-8.72
1/24/10	-23.96	-22.7		-20.73	-19.69		-18.14	-17.34	-15.74	-11.33	-9.48	-8.72
1/25/10	-23.81	-22.66		-20.83	-19.79		-18.3	-17.49	-15.86	-11.41	-9.54	-8.72
1/26/10	-23.59	-22.6		-20.87	-19.9		-18.41	-17.63	-15.99	-11.48	-9.57	-8.73
1/27/10	-23.3	-22.43		-20.88	-19.97		-18.51	-17.73	-16.12	-11.57	-9.61	-8.74
1/28/10	-23.03	-22.27		-20.83	-19.99		-18.62	-17.83	-16.25	-11.66	-9.64	-8.75
1/29/10	-22.98	-22.11		-20.78	-19.97		-18.67	-17.94	-16.35	-11.74	-9.7	-8.75
1/30/10	-23.29	-22.2		-20.77	-19.96		-18.72	-18	-16.46	-11.82	-9.76	-8.75
1/31/10	-23.36	-22.34		-20.83	-20.02		-18.75	-18.05	-16.55	-11.9	-9.8	-8.77
2/1/10	-23.36	-22.37		-20.9	-20.09		-18.81	-18.11	-16.61	-12.01	-9.85	-8.77
2/2/10	-23.37	-22.42		-20.94	-20.13		-18.85	-18.19	-16.71	-12.07	-9.89	-8.78
2/3/10	-23.25	-22.41		-20.96	-20.15		-18.94	-18.24	-16.79	-12.17	-9.93	-8.79
2/4/10	-23.17	-22.33		-21	-20.22		-19	-18.3	-16.84	-12.25	-9.98	-8.82
2/5/10	-23.2	-22.29		-20.99	-20.21		-19.06	-18.39	-16.93	-12.32	-10.03	-8.81
2/6/10	-23.36	-22.37		-21	-20.25		-19.06	-18.42	-17	-12.39	-10.06	-8.82

LRD LANDFILL THERMISTOR DATA - #LRD1

Bulb Depth	TH1_1 0.75 M	TH1_2 1.00 M	TH1_3 1.25 M	TH1_4 1.50 M	TH1_5 1.75 M	TH1_6 2.00 M	TH1_7 2.25 M	TH1_8 2.50 M	TH1_9 3.00 M	TH1_10 5.00 M	TH1_11 7.00 M	TH1_12 11.0 M
2/7/10	-23.43	-22.47		-21.06	-20.28		-19.13	-18.45	-17.05	-12.46	-10.14	-8.81
2/8/10	-23.5	-22.5		-21.13	-20.34		-19.19	-18.54	-17.11	-12.54	-10.16	-8.83
2/9/10	-23.62	-22.58		-21.17	-20.38		-19.23	-18.58	-17.18	-12.63	-10.22	-8.84
2/10/10	-23.7	-22.7		-21.25	-20.46		-19.3	-18.62	-17.25	-12.7	-10.28	-8.85
2/11/10	-23.66	-22.74		-21.31	-20.53		-19.33	-18.72	-17.31	-12.78	-10.31	-8.88
2/12/10	-23.6	-22.75		-21.36	-20.58		-19.41	-18.77	-17.39	-12.85	-10.35	-8.87
2/13/10	-23.38	-22.69		-21.37	-20.62		-19.48	-18.84	-17.42	-12.92	-10.42	-8.88
2/14/10	-23.04	-22.45		-21.36	-20.64		-19.5	-18.89	-17.5	-12.98	-10.48	-8.89
2/15/10	-22.84	-22.3		-21.27	-20.59		-19.56	-18.91	-17.56	-13.04	-10.51	-8.92
2/16/10	-22.54	-22.11		-21.2	-20.55		-19.55	-18.97	-17.61	-13.11	-10.58	-8.91
2/17/10	-22.3	-21.9		-21.1	-20.49		-19.56	-18.97	-17.65	-13.18	-10.61	-8.94
2/18/10	-22.05	-21.73		-20.97	-20.43		-19.53	-18.98	-17.68	-13.25	-10.68	-8.93
2/19/10	-22.21	-21.64		-20.84	-20.34		-19.51	-18.95	-17.72	-13.31	-10.71	-8.96
2/20/10	-22.71	-21.78		-20.84	-20.26		-19.47	-18.95	-17.75	-13.36	-10.76	-8.95
2/21/10	-23.27	-22.11		-20.92	-20.31		-19.45	-18.96	-17.76	-13.43	-10.8	-8.97
2/22/10	-23.61	-22.47		-21.05	-20.37		-19.48	-18.96	-17.75	-13.49	-10.85	-8.99
2/23/10	-23.86	-22.71		-21.25	-20.5		-19.5	-18.98	-17.78	-13.54	-10.91	-8.99
2/24/10	-23.77	-22.84		-21.41	-20.62		-19.59	-19.04	-17.8	-13.59	-10.96	-8.99
2/25/10	-23.21	-22.69		-21.45	-20.73		-19.66	-19.1	-17.87	-13.65	-11.02	-9.02
2/26/10	-22.69	-22.33		-21.41	-20.76		-19.75	-19.16	-17.92	-13.72	-11.05	-9.05
2/27/10	-22.86	-22.21		-21.29	-20.67		-19.77	-19.21	-18	-13.76	-11.11	-9.06
2/28/10	-23.36	-22.38		-21.28	-20.66		-19.75	-19.23	-18.02	-13.8	-11.15	-9.07
3/1/10	-23.97	-22.78		-21.39	-20.7		-19.79	-19.27	-18.05	-13.86	-11.18	-9.07
3/2/10	-24.51	-23.19		-21.6	-20.84		-19.83	-19.3	-18.09	-13.92	-11.24	-9.11
3/3/10	-24.96	-23.57		-21.83	-21.02		-19.91	-19.35	-18.13	-13.97	-11.29	-9.12
3/4/10	-25.16	-23.84		-22.08	-21.2		-20.02	-19.42	-18.2	-14	-11.32	-9.13
3/5/10	-25.08	-23.95		-22.26	-21.37		-20.15	-19.55	-18.23	-14.06	-11.37	-9.15
3/6/10	-25.08	-23.99		-22.36	-21.51		-20.28	-19.64	-18.32	-14.11	-11.42	-9.15
3/7/10	-25.12	-24.03		-22.48	-21.62		-20.42	-19.75	-18.42	-14.15	-11.46	-9.18
3/8/10	-25.23	-24.13		-22.57	-21.71		-20.5	-19.83	-18.5	-14.22	-11.49	-9.19
3/9/10	-25.33	-24.24		-22.63	-21.81		-20.6	-19.96	-18.6	-14.28	-11.56	-9.2
3/10/10	-25.15	-24.25		-22.72	-21.9		-20.68	-20.01	-18.65	-14.29	-11.57	-9.22
3/11/10	-24.59	-24.02		-22.75	-21.96		-20.78	-20.1	-18.73	-14.34	-11.62	-9.24
3/12/10	-24.08	-23.7		-22.66	-21.95		-20.83	-20.19	-18.81	-14.41	-11.68	-9.25
3/13/10	-23.89	-23.44		-22.52	-21.91		-20.87	-20.26	-18.91	-14.47	-11.71	-9.28
3/14/10	-23.87	-23.34		-22.43	-21.82		-20.85	-20.27	-18.96	-14.51	-11.76	-9.29
3/15/10	-23.74	-23.26		-22.38	-21.77		-20.84	-20.29	-19.01	-14.56	-11.8	-9.31
3/16/10	-23.68	-23.15		-22.28	-21.71		-20.85	-20.31	-19.02	-14.63	-11.84	-9.32
3/17/10	-23.66	-23.14		-22.23	-21.66		-20.83	-20.29	-19.04	-14.69	-11.9	-9.35
3/18/10	-23.7	-23.1		-22.2	-21.63		-20.8	-20.29	-19.07	-14.73	-11.93	-9.35
3/19/10	-23.81	-23.17		-22.19	-21.62		-20.79	-20.28	-19.1	-14.78	-11.97	-9.37
3/20/10	-23.85	-23.18		-22.2	-21.63		-20.8	-20.29	-19.14	-14.84	-12.01	-9.38
3/21/10	-23.9	-23.22		-22.24	-21.64		-20.77	-20.3	-19.14	-14.88	-12.05	-9.39
3/22/10	-23.84	-23.24		-22.22	-21.62		-20.79	-20.28	-19.13	-14.95	-12.08	-9.42
3/23/10	-23.85	-23.21		-22.23	-21.66		-20.8	-20.32	-19.17	-14.99	-12.15	-9.43
3/24/10	-23.89	-23.25		-22.27	-21.66		-20.83	-20.32	-19.2	-15.04	-12.17	-9.46
3/25/10	-23.96	-23.29		-22.26	-21.66		-20.83	-20.32	-19.2	-15.07	-12.23	-9.48
3/26/10	-24.01	-23.33		-22.31	-21.7		-20.84	-20.36	-19.24	-15.11	-12.26	-9.49
3/27/10	-23.92	-23.32		-22.3	-21.69		-20.86	-20.35	-19.23	-15.16	-12.29	-9.52
3/28/10	-23.53	-23.16		-22.29	-21.72		-20.89	-20.38	-19.26	-15.2	-12.33	-9.53
3/29/10	-22.81	-22.85		-22.2	-21.7		-20.9	-20.39	-19.3	-15.23	-12.38	-9.56
3/30/10	-22.19	-22.33		-22.01	-21.59		-20.9	-20.42	-19.33	-15.28	-12.43	-9.57
3/31/10	-21.9	-21.98		-21.76	-21.41		-20.83	-20.39	-19.33	-15.31	-12.46	-9.58
4/1/10	-21.7	-21.77		-21.56	-21.25		-20.73	-20.33	-19.34	-15.34	-12.52	-9.61
4/2/10	-21.48	-21.55		-21.37	-21.09		-20.62	-20.25	-19.32	-15.39	-12.53	-9.62
4/3/10	-21.35	-21.39		-21.18	-20.94		-20.53	-20.19	-19.27	-15.4	-12.57	-9.64
4/4/10	-21.16	-21.23		-21.06	-20.82		-20.45	-20.11	-19.26	-15.45	-12.61	-9.67
4/5/10	-21.14	-21.07		-20.93	-20.69		-20.32	-20.02	-19.2	-15.51	-12.65	-9.68
4/6/10	-21.07	-21.04		-20.8	-20.6		-20.23	-19.93	-19.14	-15.52	-12.68	-9.69
4/7/10	-20.92	-20.92		-20.72	-20.48		-20.15	-19.88	-19.09	-15.56	-12.72	-9.7
4/8/10	-20.86	-20.79		-20.59	-20.39		-20.05	-19.79	-19.04	-15.57	-12.76	-9.73
4/9/10	-20.8	-20.73		-20.53	-20.29		-19.99	-19.73	-19.01	-15.61	-12.8	-9.74
4/10/10	-20.66	-20.62		-20.45	-20.22		-19.92	-19.66	-18.94	-15.63	-12.84	-9.76
4/11/10	-20.56	-20.53		-20.33	-20.13		-19.83	-19.56	-18.92	-15.64	-12.85	-9.8
4/12/10	-20.41	-20.41		-20.28	-20.05		-19.78	-19.52	-18.87	-15.65	-12.89	-9.8
4/13/10	-20.42	-20.36		-20.16	-19.96		-19.69	-19.46	-18.82	-15.69	-12.93	-9.82
4/14/10	-20.37	-20.3		-20.1	-19.9		-19.64	-19.38	-18.76	-15.68	-12.94	-9.83

LRD LANDFILL THERMISTOR DATA - #LRD1

Bulb Depth	TH1_1 0.75 M	TH1_2 1.00 M	TH1_3 1.25 M	TH1_4 1.50 M	TH1_5 1.75 M	TH1_6 2.00 M	TH1_7 2.25 M	TH1_8 2.50 M	TH1_9 3.00 M	TH1_10 5.00 M	TH1_11 7.00 M	TH1_12 11.0 M
4/15/10	-20.08	-20.15		-20.02	-19.82		-19.55	-19.33	-18.71	-15.69	-12.99	-9.85
4/16/10	-19.55	-19.85		-19.88	-19.71		-19.49	-19.29	-18.68	-15.72	-13.04	-9.87
4/17/10	-19	-19.45		-19.68	-19.58		-19.42	-19.22	-18.64	-15.71	-13.06	-9.89
4/18/10	-18.62	-19.1		-19.42	-19.39		-19.29	-19.13	-18.59	-15.72	-13.1	-9.93
4/19/10	-18.36	-18.8		-19.16	-19.19		-19.19	-19.03	-18.52	-15.71	-13.09	-9.92
4/20/10	-18.19	-18.6		-18.99	-18.99		-19.05	-18.89	-18.45	-15.73	-13.14	-9.96
4/21/10	-18.11	-18.45		-18.77	-18.84		-18.9	-18.77	-18.39	-15.74	-13.17	-9.97
4/22/10	-18.01	-18.33		-18.64	-18.68		-18.74	-18.64	-18.26	-15.74	-13.2	-9.97
4/23/10	-17.83	-18.15		-18.49	-18.52		-18.62	-18.56	-18.21	-15.75	-13.21	-10.01
4/24/10	-17.5	-17.9		-18.31	-18.37		-18.5	-18.44	-18.12	-15.73	-13.24	-10.02
4/25/10	-17.13	-17.62		-18.12	-18.22		-18.37	-18.31	-18.03	-15.73	-13.27	-10.04
4/26/10	-16.74	-17.32		-17.9	-18.03		-18.22	-18.18	-17.93	-15.73	-13.27	-10.04
4/27/10	-16.34	-17		-17.67	-17.82		-18.04	-18.04	-17.82	-15.71	-13.32	-10.06
4/28/10	-15.95	-16.66		-17.39	-17.6		-17.88	-17.91	-17.73	-15.71	-13.31	-10.08
4/29/10	-15.58	-16.32		-17.16	-17.38		-17.75	-17.78	-17.62	-15.7	-13.36	-10.1
4/30/10	-15.38	-16.08		-16.89	-17.17		-17.56	-17.6	-17.5	-15.67	-13.36	-10.1
5/1/10	-15.26	-15.88		-16.71	-16.95		-17.38	-17.44	-17.41	-15.67	-13.38	-10.15
5/2/10	-15.2	-15.75		-16.52	-16.79		-17.19	-17.31	-17.28	-15.64	-13.41	-10.14
5/3/10	-15.17	-15.64		-16.35	-16.62		-17.04	-17.16	-17.16	-15.61	-13.41	-10.18
5/4/10	-15.15	-15.59		-16.24	-16.48		-16.9	-16.99	-17.02	-15.59	-13.42	-10.19
5/5/10	-14.95	-15.47		-16.12	-16.36		-16.78	-16.87	-16.93	-15.59	-13.45	-10.21
5/6/10	-14.72	-15.3		-16	-16.24		-16.66	-16.75	-16.81	-15.56	-13.47	-10.21
5/7/10	-14.54	-15.12		-15.85	-16.11		-16.53	-16.65	-16.71	-15.52	-13.47	-10.23
5/8/10	-14.43	-14.98		-15.7	-15.94		-16.38	-16.5	-16.59	-15.5	-13.5	-10.26
5/9/10	-14.32	-14.84		-15.56	-15.82		-16.27	-16.39	-16.51	-15.44	-13.5	-10.27
5/10/10	-14.18	-14.69		-15.44	-15.68		-16.15	-16.27	-16.39	-15.41	-13.5	-10.29
5/11/10	-13.96	-14.52		-15.3	-15.54		-16.04	-16.15	-16.3	-15.39	-13.51	-10.3
5/12/10	-13.89	-14.4		-15.15	-15.41		-15.91	-16.05	-16.2	-15.35	-13.52	-10.34
5/13/10	-13.78	-14.26		-15.03	-15.26		-15.79	-15.93	-16.08	-15.32	-13.52	-10.34
5/14/10	-13.7	-14.15		-14.86	-15.15		-15.65	-15.8	-15.97	-15.3	-13.53	-10.37
5/15/10	-13.62	-14.05		-14.76	-15.02		-15.54	-15.69	-15.89	-15.22	-13.51	-10.35
5/16/10	-13.44	-13.94		-14.65	-14.91		-15.4	-15.58	-15.78	-15.2	-13.55	-10.39
5/17/10	-13.1	-13.72		-14.51	-14.79		-15.31	-15.49	-15.69	-15.17	-13.52	-10.42
5/18/10	-12.7	-13.4		-14.32	-14.64		-15.19	-15.39	-15.59	-15.13	-13.54	-10.43
5/19/10	-12.45	-13.14		-14.12	-14.46		-15.07	-15.27	-15.5	-15.1	-13.56	-10.45
5/20/10	-12.32	-12.96		-13.93	-14.3		-14.93	-15.13	-15.39	-15.05	-13.54	-10.46
5/21/10	-12.18	-12.82		-13.76	-14.13		-14.76	-15.02	-15.3	-14.99	-13.54	-10.49
5/22/10	-12.05	-12.68		-13.6	-13.96		-14.64	-14.87	-15.19	-14.96	-13.54	-10.49
5/23/10	-11.87	-12.5		-13.44	-13.83		-14.48	-14.71	-15.06	-14.91	-13.52	-10.5
5/24/10	-11.64	-12.32		-13.32	-13.68		-14.36	-14.61	-14.96	-14.87	-13.51	-10.51
5/25/10	-11.38	-12.08		-13.13	-13.55		-14.22	-14.48	-14.85	-14.82	-13.52	-10.55
5/26/10	-11.12	-11.87		-12.97	-13.39		-14.09	-14.34	-14.74	-14.77	-13.5	-10.56
5/27/10	-10.85	-11.66		-12.75	-13.19		-13.95	-14.2	-14.63	-14.72	-13.5	-10.56
5/28/10	-10.56	-11.39		-12.59	-13.03		-13.78	-14.09	-14.52	-14.66	-13.5	-10.59
5/29/10	-10.24	-11.12		-12.37	-12.86		-13.64	-13.95	-14.4	-14.63	-13.5	-10.61
5/30/10	-9.92	-10.85		-12.15	-12.67		-13.47	-13.81	-14.29	-14.57	-13.47	-10.61
5/31/10	-9.66	-10.59		-11.93	-12.45		-13.33	-13.67	-14.15	-14.52	-13.47	-10.64
6/1/10	-9.41	-10.33		-11.7	-12.27		-13.15	-13.51	-14.05	-14.47	-13.46	-10.65
6/2/10	-9.09	-10.06		-11.48	-12.05		-12.98	-13.34	-13.9	-14.41	-13.43	-10.68
6/3/10	-8.71	-9.77		-11.26	-11.88		-12.81	-13.2	-13.78	-14.38	-13.42	-10.7
6/4/10	-8.4	-9.48		-11.02	-11.64		-12.65	-13.06	-13.64	-14.32	-13.42	-10.7
6/5/10	-8.12	-9.19		-10.75	-11.42		-12.46	-12.87	-13.54	-14.27	-13.42	-10.73
6/6/10	-7.89	-8.93		-10.49	-11.18		-12.27	-12.68	-13.37	-14.21	-13.37	-10.73
6/7/10	-7.63	-8.7		-10.28	-10.97		-12.08	-12.52	-13.23	-14.16	-13.37	-10.73
6/8/10	-7.34	-8.43		-10.03	-10.75		-11.88	-12.34	-13.09	-14.09	-13.37	-10.75
6/9/10	-7.03	-8.12		-9.8	-10.52		-11.67	-12.16	-12.93	-14.02	-13.35	-10.76
6/10/10	-6.729	-7.87		-9.54	-10.28		-11.46	-11.98	-12.77	-13.97	-13.32	-10.76
6/11/10	-6.393	-7.61		-9.31	-10.04		-11.27	-11.79	-12.63	-13.88	-13.29	-10.79
6/12/10	-6.017	-7.31		-9.05	-9.82		-11.09	-11.58	-12.45	-13.81	-13.27	-10.8
6/13/10	-5.713	-7		-8.8	-9.61		-10.89	-11.4	-12.32	-13.76	-13.26	-10.81
6/14/10	-5.393	-6.707		-8.55	-9.36		-10.66	-11.22	-12.14	-13.69	-13.24	-10.82
6/15/10	-5.065	-6.455		-8.29	-9.13		-10.45	-11.01	-11.98	-13.61	-13.22	-10.83
6/16/10	-4.731	-6.171		-8.09	-8.9		-10.24	-10.83	-11.82	-13.55	-13.19	-10.83
6/17/10	-4.377	-5.893		-7.83	-8.69		-10.03	-10.64	-11.66	-13.47	-13.17	-10.86
6/18/10	-3.914	-5.557		-7.6	-8.48		-9.85	-10.46	-11.5	-13.39	-13.14	-10.86
6/19/10	-3.346	-5.014		-7.31	-8.19		-9.63	-10.27	-11.33	-13.33	-13.11	-10.85
6/20/10	-2.915	-4.557		-6.95	-7.91		-9.37	-10.03	-11.15	-13.25	-13.08	-10.86

LRD LANDFILL THERMISTOR DATA - #LRD1

Bulb Depth	TH1_1 0.75 M	TH1_2 1.00 M	TH1_3 1.25 M	TH1_4 1.50 M	TH1_5 1.75 M	TH1_6 2.00 M	TH1_7 2.25 M	TH1_8 2.50 M	TH1_9 3.00 M	TH1_10 5.00 M	TH1_11 7.00 M	TH1_12 11.0 M
6/21/10	-2.552	-4.168		-6.611	-7.62		-9.13	-9.84	-10.99	-13.17	-13.05	-10.85
6/22/10	-2.21	-3.801		-6.32	-7.35		-8.89	-9.6	-10.79	-13.1	-13.02	-10.87
6/23/10	-1.985	-3.551		-6.017	-7.07		-8.66	-9.37	-10.61	-13	-13	-10.88
6/24/10	-1.786	-3.3		-5.764	-6.821		-8.43	-9.16	-10.43	-12.92	-12.95	-10.91
6/25/10	-1.567	-3.055		-5.493	-6.574		-8.18	-8.94	-10.23	-12.82	-12.9	-10.87
6/26/10	-1.261	-2.852		-5.263	-6.369		-7.97	-8.7	-10.04	-12.74	-12.87	-10.89
6/27/10	-0.923	-2.618		-5.029	-6.134		-7.79	-8.54	-9.88	-12.65	-12.84	-10.89
6/28/10	-0.64	-2.336		-4.798	-5.929		-7.58	-8.33	-9.7	-12.57	-12.82	-10.89
6/29/10	-0.339	-2.087		-4.548	-5.755		-7.38	-8.16	-9.52	-12.47	-12.77	-10.9
6/30/10	0.012	-1.84		-4.301	-5.507		-7.18	-7.96	-9.34	-12.36	-12.72	-10.9
7/1/10	0.385	-1.597		-4.085	-5.291		-6.991	-7.77	-9.18	-12.3	-12.71	-10.92
7/2/10	0.643	-1.366		-3.88	-5.06		-6.81	-7.61	-9.02	-12.19	-12.66	-10.92
7/3/10	0.786	-1.146		-3.66	-4.865		-6.613	-7.41	-8.84	-12.09	-12.61	-10.93
7/4/10	0.943	-1.042		-3.505	-4.684		-6.431	-7.26	-8.69	-11.98	-12.58	-10.9
7/5/10	1.163	-0.899		-3.336	-4.489		-6.261	-7.06	-8.54	-11.91	-12.53	-10.89
7/6/10	1.473	-0.797		-3.209	-4.336		-6.082	-6.906	-8.36	-11.8	-12.48	-10.91
7/7/10	1.627	-0.698		-3.085	-4.239		-5.96	-6.784	-8.24	-11.73	-12.46	-10.95
7/8/10	1.533	-0.611		-2.974	-4.102		-5.823	-6.647	-8.1	-11.67	-12.43	-10.94
7/9/10	1.458	-0.531		-2.869	-3.972		-5.692	-6.491	-7.97	-11.56	-12.4	-10.97
7/10/10	1.25	-0.533		-2.796	-3.874		-5.569	-6.393	-7.87	-11.49	-12.38	-10.98
7/11/10	0.868	-0.527		-2.687	-3.765		-5.46	-6.259	-7.73	-11.4	-12.35	-10.97
7/12/10	0.499	-0.533		-2.616	-3.668		-5.338	-6.135	-7.61	-11.3	-12.3	-10.98
7/13/10	0.421	-0.559		-2.565	-3.591		-5.209	-6.007	-7.48	-11.22	-12.25	-11
7/14/10	0.409	-0.571		-2.499	-3.5		-5.116	-5.914	-7.36	-11.12	-12.2	-10.99

NOTES:

(yellow) Signifies data deleted as clearly a malfunction indicated by substantial short term change of temperature.
Original data is available upon request but has been removed to make graphs easier to read and understand.
This normally occurs in spring when must be having a snow melting event.

(orange) Signifies the warmest temperature recorded for individual thermistor strings during the calendar year.

LRD LANDFILL THERMISTOR DATA - #LRD2

Bulb	TH2_1	TH2_2	TH2_3	TH2_4	TH2_5	TH2_6	TH2_7	TH2_8	TH2_9	TH2_10	TH2_11	TH2_12
Depth	**0.75 M**	**1.00 M**	**1.25 M**	**1.50 M**	**1.75 M**	**2.00 M**	**2.25 M**	**2.50 M**	**3.00 M**	**5.00 M**	**7.00 M**	**11.0 M**
1/1/09	-19.81	-18.65	-17.8	-17.06	-16.42	-15.65	-14.84	-14.07	-12.89	-9.12	-7.88	-7.96
1/2/09	-19.66	-18.66	-17.87	-17.1	-16.47	-15.76	-14.91	-14.14	-12.96	-9.19	-7.93	-7.93
1/3/09	-19.38	-18.48	-17.76	-17.11	-16.54	-15.83	-15.01	-14.23	-13.11	-9.27	-7.96	-7.93
1/4/09	-19.41	-18.45	-17.73	-17.11	-16.53	-15.85	-15.09	-14.34	-13.19	-9.34	-8.01	-7.93
1/5/09	-19.5	-18.5	-17.75	-17.1	-16.56	-15.9	-15.14	-14.39	-13.26	-9.42	-8.05	-7.94
1/6/09	-19.78	-18.65	-17.83	-17.15	-16.6	-15.94	-15.18	-14.46	-13.36	-9.5	-8.08	-7.95
1/7/09	-20.18	-18.9	-17.98	-17.27	-16.66	-16	-15.24	-14.52	-13.44	-9.56	-8.13	-7.95
1/8/09	-20.65	-19.23	-18.2	-17.42	-16.81	-16.09	-15.33	-14.6	-13.5	-9.64	-8.16	-7.95
1/9/09	-21.09	-19.54	-18.47	-17.63	-16.95	-16.23	-15.43	-14.67	-13.59	-9.72	-8.19	-7.96
1/10/09	-21.51	-19.91	-18.73	-17.85	-17.14	-16.38	-15.55	-14.8	-13.66	-9.78	-8.25	-7.97
1/11/09	-21.93	-20.24	-19.06	-18.1	-17.36	-16.53	-15.7	-14.91	-13.74	-9.87	-8.28	-7.97
1/12/09	-22.18	-20.55	-19.32	-18.35	-17.57	-16.75	-15.85	-15.06	-13.86	-9.95	-8.33	-7.97
1/13/09	-22.44	-20.79	-19.55	-18.58	-17.8	-16.93	-16	-15.18	-13.98	-10.01	-8.37	-7.98
1/14/09	-22.66	-21	-19.78	-18.81	-17.98	-17.12	-16.18	-15.36	-14.09	-10.09	-8.42	-7.98
1/15/09	-22.77	-21.2	-20.02	-19	-18.2	-17.3	-16.36	-15.5	-14.23	-10.14	-8.45	-7.98
1/16/09	-22.88	-21.35	-20.16	-19.2	-18.37	-17.49	-16.52	-15.66	-14.35	-10.2	-8.48	-7.99
1/17/09	-22.93	-21.43	-20.3	-19.34	-18.54	-17.66	-16.71	-15.82	-14.48	-10.3	-8.53	-7.98
1/18/09	-22.86	-21.47	-20.4	-19.47	-18.73	-17.82	-16.83	-15.96	-14.62	-10.38	-8.58	-8
1/19/09	-22.65	-21.44	-20.45	-19.55	-18.81	-17.95	-17	-16.1	-14.75	-10.42	-8.62	-7.99
1/20/09	-22.32	-21.3	-20.41	-19.62	-18.9	-18.05	-17.12	-16.24	-14.9	-10.5	-8.67	-8.02
1/21/09	-22.03	-21.12	-20.34	-19.57	-18.92	-18.13	-17.2	-16.38	-15	-10.59	-8.71	-8.03
1/22/09	-21.99	-21.01	-20.26	-19.57	-18.92	-18.16	-17.29	-16.47	-15.11	-10.67	-8.76	-8.02
1/23/09	-22.06	-21.04	-20.26	-19.53	-18.91	-18.18	-17.31	-16.49	-15.22	-10.74	-8.8	-8.04
1/24/09	-22.16	-21.11	-20.26	-19.56	-18.94	-18.21	-17.37	-16.55	-15.31	-10.82	-8.83	-8.04
1/25/09	-22.26	-21.17	-20.32	-19.59	-18.97	-18.27	-17.43	-16.64	-15.39	-10.88	-8.89	-8.05
1/26/09	-22.05	-21.17	-20.35	-19.66	-19.04	-18.3	-17.49	-16.7	-15.45	-11.02	-8.92	-8.05
1/27/09	-21.66	-20.93	-20.29	-19.62	-19.07	-18.4	-17.52	-16.76	-15.57	-11.07	-8.97	-8.05
1/28/09	-21.34	-20.75	-20.15	-19.55	-19.03	-18.39	-17.58	-16.81	-15.62	-11.14	-9.01	-8.09
1/29/09	-21.26	-20.57	-20	-19.47	-18.99	-18.38	-17.6	-16.83	-15.7	-11.21	-9.08	-8.08
1/30/09	-21.42	-20.59	-19.96	-19.4	-18.94	-18.34	-17.62	-16.88	-15.75	-11.28	-9.11	-8.09
1/31/09	-21.72	-20.75	-20.01	-19.41	-18.93	-18.35	-17.6	-16.9	-15.79	-11.34	-9.15	-8.1
2/1/09	-22.18	-20.99	-20.14	-19.51	-18.99	-18.35	-17.63	-16.93	-15.82	-11.42	-9.2	-8.1
2/2/09	-22.57	-21.29	-20.37	-19.64	-19.09	-18.41	-17.66	-16.96	-15.88	-11.48	-9.24	-8.11
2/3/09	-22.63	-21.45	-20.56	-19.82	-19.2	-18.53	-17.74	-17.03	-15.92	-11.55	-9.3	-8.12
2/4/09	-22.69	-21.55	-20.65	-19.91	-19.32	-18.61	-17.82	-17.11	-15.97	-11.62	-9.34	-8.13
2/5/09	-22.91	-21.69	-20.79	-20.02	-19.42	-18.71	-17.92	-17.18	-16.06	-11.68	-9.4	-8.13
2/6/09	-23.13	-21.87	-20.93	-20.15	-19.52	-18.84	-18.01	-17.27	-16.12	-11.75	-9.45	-8.16
2/7/09	-23.39	-22.04	-21.09	-20.28	-19.64	-18.93	-18.1	-17.36	-16.17	-11.8	-9.47	-8.18
2/8/09	-23.69	-22.29	-21.27	-20.45	-19.78	-19.03	-18.2	-17.45	-16.27	-11.89	-9.52	-8.18
2/9/09	-23.95	-22.5	-21.47	-20.61	-19.94	-19.15	-18.32	-17.54	-16.35	-11.94	-9.57	-8.18
2/10/09	-24.19	-22.73	-21.66	-20.79	-20.08	-19.29	-18.42	-17.64	-16.42	-12	-9.64	-8.19
2/11/09	-24.31	-22.92	-21.84	-20.97	-20.26	-19.46	-18.56	-17.74	-16.52	-12.07	-9.67	-8.2
2/12/09	-24.31	-23	-21.99	-21.11	-20.4	-19.6	-18.69	-17.87	-16.62	-12.13	-9.7	-8.2
2/13/09	-24.22	-22.98	-22.08	-21.24	-20.52	-19.72	-18.81	-17.98	-16.72	-12.19	-9.77	-8.24
2/14/09	-24.26	-23.05	-22.11	-21.3	-20.61	-19.81	-18.93	-18.1	-16.84	-12.24	-9.79	-8.23
2/15/09	-24.45	-23.16	-22.22	-21.37	-20.68	-19.91	-19.02	-18.2	-16.93	-12.32	-9.84	-8.26
2/16/09	-24.72	-23.34	-22.32	-21.47	-20.78	-20	-19.11	-18.28	-17.01	-12.37	-9.88	-8.27
2/17/09	-25.06	-23.56	-22.49	-21.63	-20.9	-20.12	-19.2	-18.4	-17.09	-12.44	-9.92	-8.28
2/18/09	-25.5	-23.86	-22.7	-21.81	-21.07	-20.26	-19.33	-18.46	-17.18	-12.52	-9.98	-8.28
2/19/09	-25.74	-24.17	-23.01	-22	-21.23	-20.41	-19.44	-18.61	-17.32	-12.55	-10.03	-8.32
2/20/09	-25.55	-24.21	-23.16	-22.21	-21.4	-20.54	-19.57	-18.7	-17.38	-12.62	-10.07	-8.33
2/21/09	-25.55	-24.21	-23.19	-22.28	-21.54	-20.67	-19.74	-18.82	-17.47	-12.7	-10.12	-8.33
2/22/09	-25.71	-24.29	-23.27	-22.39	-21.64	-20.81	-19.87	-18.95	-17.59	-12.76	-10.15	-8.35
2/23/09	-25.83	-24.45	-23.38	-22.47	-21.75	-20.88	-19.97	-19.05	-17.69	-12.84	-10.21	-8.36
2/24/09	-25.92	-24.53	-23.5	-22.58	-21.86	-21.02	-20.07	-19.19	-17.82	-12.9	-10.27	-8.39
2/25/09	-26	-24.6	-23.61	-22.69	-21.97	-21.13	-20.18	-19.25	-17.91	-12.96	-10.29	-8.39
2/26/09	-25.98	-24.7	-23.67	-22.82	-22.06	-21.22	-20.26	-19.37	-18	-13.04	-10.35	-8.39
2/27/09	-25.77	-24.62	-23.7	-22.85	-22.13	-21.32	-20.36	-19.46	-18.09	-13.09	-10.39	-8.41
2/28/09	-25.6	-24.54	-23.66	-22.88	-22.19	-21.38	-20.46	-19.56	-18.21	-13.17	-10.44	-8.43
3/1/09	-25.51	-24.48	-23.64	-22.86	-22.25	-21.43	-20.54	-19.64	-18.28	-13.23	-10.47	-8.46
3/2/09	-25.68	-24.5	-23.66	-22.88	-22.22	-21.48	-20.59	-19.72	-18.36	-13.3	-10.54	-8.45
3/3/09	-25.73	-24.58	-23.73	-22.92	-22.3	-21.52	-20.62	-19.75	-18.46	-13.39	-10.57	-8.48
3/4/09	-25.71	-24.6	-23.76	-22.98	-22.32	-21.58	-20.68	-19.84	-18.51	-13.43	-10.61	-8.49
3/5/09	-25.87	-24.68	-23.79	-23.01	-22.39	-21.64	-20.74	-19.9	-18.6	-13.51	-10.68	-8.51
3/6/09	-26.12	-24.83	-23.87	-23.08	-22.43	-21.68	-20.81	-19.97	-18.66	-13.56	-10.71	-8.51
3/7/09	-26.32	-24.99	-24.02	-23.2	-22.5	-21.75	-20.85	-20.04	-18.73	-13.63	-10.74	-8.54
3/8/09	-26.45	-25.11	-24.14	-23.31	-22.61	-21.82	-20.95	-20.1	-18.8	-13.71	-10.82	-8.54

LRD LANDFILL THERMISTOR DATA - #LRD2

Bulb	TH2_1	TH2_2	TH2_3	TH2_4	TH2_5	TH2_6	TH2_7	TH2_8	TH2_9	TH2_10	TH2_11	TH2_12
Depth	0.75 M	1.00 M	1.25 M	1.50 M	1.75 M	2.00 M	2.25 M	2.50 M	3.00 M	5.00 M	7.00 M	11.0 M
3/9/09	-26.56	-25.22	-24.24	-23.41	-22.71	-21.92	-21.04	-20.16	-18.85	-13.78	-10.86	-8.55
3/10/09	-26.81	-25.38	-24.4	-23.52	-22.82	-22.06	-21.11	-20.26	-18.94	-13.84	-10.89	-8.58
3/11/09	-27.07	-25.58	-24.55	-23.67	-22.93	-22.13	-21.21	-20.36	-19.01	-13.89	-10.94	-8.6
3/12/09	-27.28	-25.83	-24.71	-23.79	-23.08	-22.24	-21.32	-20.43	-19.08	-13.96	-11	-8.61
3/13/09	-27.42	-25.95	-24.87	-23.94	-23.19	-22.35	-21.43	-20.54	-19.18	-14.02	-11.03	-8.64
3/14/09	-27.47	-26.08	-25.04	-24.1	-23.35	-22.5	-21.54	-20.65	-19.28	-14.08	-11.07	-8.65
3/15/09	-27.47	-26.12	-25.11	-24.22	-23.46	-22.61	-21.65	-20.75	-19.38	-14.14	-11.12	-8.68
3/16/09	-27.34	-26.13	-25.16	-24.3	-23.54	-22.73	-21.76	-20.86	-19.45	-14.23	-11.19	-8.66
3/17/09	-27.26	-26.08	-25.2	-24.34	-23.65	-22.8	-21.83	-20.92	-19.55	-14.28	-11.24	-8.68
3/18/09	-27.17	-26.09	-25.2	-24.38	-23.69	-22.88	-21.94	-21.03	-19.65	-14.35	-11.27	-8.71
3/19/09	-27.08	-26	-25.15	-24.37	-23.72	-22.94	-22	-21.13	-19.74	-14.4	-11.31	-8.73
3/20/09	-27.04	-25.96	-25.15	-24.37	-23.72	-22.98	-22.07	-21.16	-19.81	-14.48	-11.37	-8.73
3/21/09	-27.08	-25.96	-25.15	-24.41	-23.76	-23.01	-22.11	-21.23	-19.87	-14.54	-11.42	-8.75
3/22/09	-27.16	-26.04	-25.19	-24.44	-23.79	-23.05	-22.18	-21.3	-19.94	-14.59	-11.47	-8.77
3/23/09	-27.28	-26.11	-25.26	-24.48	-23.86	-23.08	-22.21	-21.36	-20.03	-14.67	-11.52	-8.79
3/24/09	-27.46	-26.24	-25.35	-24.56	-23.91	-23.16	-22.25	-21.4	-20.07	-14.73	-11.55	-8.82
3/25/09	-27.59	-26.36	-25.47	-24.64	-23.98	-23.19	-22.32	-21.47	-20.13	-14.79	-11.6	-8.82
3/26/09	-27.68	-26.45	-25.51	-24.72	-24.06	-23.27	-22.39	-21.54	-20.2	-14.85	-11.63	-8.86
3/27/09	-27.7	-26.51	-25.61	-24.77	-24.12	-23.36	-22.48	-21.59	-20.26	-14.9	-11.68	-8.88
3/28/09	-27.47	-26.46	-25.64	-24.85	-24.23	-23.43	-22.51	-21.66	-20.32	-14.98	-11.73	-8.87
3/29/09	-27.16	-26.33	-25.6	-24.84	-24.26	-23.5	-22.58	-21.69	-20.39	-15.05	-11.77	-8.89
3/30/09	-26.72	-26.05	-25.45	-24.81	-24.23	-23.51	-22.63	-21.77	-20.46	-15.1	-11.82	-8.9
3/31/09	-26.42	-25.8	-25.28	-24.69	-24.15	-23.51	-22.66	-21.81	-20.53	-15.14	-11.89	-8.92
4/1/09	-25.88	-25.52	-25.08	-24.58	-24.08	-23.47	-22.66	-21.81	-20.56	-15.23	-11.92	-8.95
4/2/09	-25.34	-25.11	-24.83	-24.36	-23.94	-23.38	-22.65	-21.79	-20.61	-15.27	-11.98	-9.01
4/3/09	-25.06	-24.79	-24.52	-24.17	-23.83	-23.3	-22.57	-21.75	-20.64	-15.35	-12.03	-8.98
4/4/09	-24.97	-24.62	-24.31	-23.96	-23.66	-23.18	-22.48	-21.7	-20.66	-15.39	-12.07	-9.01
4/5/09	-25.05	-24.58	-24.23	-23.81	-23.51	-23.06	-22.41	-21.66	-20.66	-15.45	-12.12	-9.03
4/6/09	-25.14	-24.59	-24.17	-23.75	-23.41	-22.97	-22.35	-21.61	-20.64	-15.52	-12.16	-9.03
4/7/09	-25.14	-24.59	-24.16	-23.71	-23.37	-22.96	-22.27	-21.57	-20.64	-15.58	-12.21	-9.05
4/8/09	-25.13	-24.54	-24.12	-23.66	-23.33	-22.85	-22.23	-21.53	-20.6	-15.63	-12.26	-9.12
4/9/09	-25.14	-24.55	-24.13	-23.64	-23.3	-22.82	-22.17	-21.5	-20.58	-15.67	-12.3	-9.08
4/10/09	-25.03	-24.53	-24.1	-23.65	-23.28	-22.8	-22.19	-21.48	-20.59	-15.71	-12.34	-9.12
4/11/09	-24.73	-24.34	-24	-23.58	-23.25	-22.77	-22.16	-21.45	-20.56	-15.75	-12.38	-9.13
4/12/09	-24.39	-24.12	-23.82	-23.48	-23.18	-22.74	-22.13	-21.46	-20.56	-15.81	-12.42	-9.14
4/13/09	-24.44	-24.02	-23.71	-23.34	-23.08	-22.68	-22.07	-21.43	-20.57	-15.85	-12.47	-9.16
4/14/09	-24.48	-24.02	-23.68	-23.27	-23.01	-22.61	-22.04	-21.41	-20.55	-15.89	-12.53	-9.2
4/15/09	-24.37	-23.99	-23.65	-23.24	-22.98	-22.54	-21.97	-21.37	-20.51	-15.92	-12.56	-9.22
4/16/09	-24.26	-23.88	-23.58	-23.21	-22.91	-22.51	-21.94	-21.34	-20.52	-15.95	-12.59	-9.23
4/17/09	-23.98	-23.75	-23.52	-23.12	-22.86	-22.46	-21.89	-21.3	-20.51	-15.98	-12.65	-9.23
4/18/09	-23.48	-23.48	-23.33	-23	-22.82	-22.42	-21.85	-21.25	-20.5	-16.03	-12.69	-9.28
4/19/09	-23.07	-23.1	-23.1	-22.85	-22.66	-22.34	-21.81	-21.28	-20.46	-16.05	-12.77	-9.29
4/20/09	-22.78	-22.85	-22.82	-22.63	-22.53	-22.24	-21.71	-21.19	-20.44	-16.06	-12.78	-9.3
4/21/09	-22.49	-22.6	-22.64	-22.46	-22.35	-22.1	-21.64	-21.12	-20.44	-16.09	-12.81	-9.33
4/22/09	-22.1	-22.32	-22.39	-22.28	-22.21	-21.96	-21.54	-21.05	-20.37	-16.13	-12.84	-9.34
4/23/09	-21.75	-22.03	-22.14	-22.06	-22.03	-21.82	-21.4	-20.95	-20.34	-16.15	-12.86	-9.39
4/24/09	-21.5	-21.78	-21.89	-21.86	-21.89	-21.64	-21.3	-20.85	-20.31	-16.19	-12.92	-9.39
4/25/09	-21.26	-21.54	-21.68	-21.64	-21.64	-21.5	-21.16	-20.75	-20.21	-16.19	-12.95	-9.39
4/26/09	-21.02	-21.33	-21.47	-21.47	-21.47	-21.37	-21.02	-20.65	-20.14	-16.22	-12.98	-9.42
4/27/09	-20.72	-21.06	-21.27	-21.27	-21.34	-21.2	-20.89	-20.52	-20.08	-16.22	-13.01	-9.43
4/28/09	-20.39	-20.86	-21.04	-21.07	-21.14	-21.07	-20.76	-20.42	-19.99	-16.26	-13.08	-9.46
4/29/09	-19.95	-20.52	-20.79	-20.86	-20.96	-20.89	-20.62	-20.32	-19.89	-16.26	-13.1	-9.48
4/30/09	-19.52	-20.12	-20.48	-20.62	-20.75	-20.72	-20.48	-20.25	-19.82	-16.28	-13.13	-9.51
5/1/09	-19.16	-19.82	-20.18	-20.35	-20.55	-20.55	-20.35	-20.05	-19.75	-16.28	-13.15	-9.53
5/2/09	-18.91	-19.59	-19.92	-20.12	-20.32	-20.32	-20.16	-19.92	-19.63	-16.29	-13.19	-9.54
5/3/09	-18.69	-19.3	-19.69	-19.89	-20.09	-20.19	-19.99	-19.82	-19.53	-16.29	-13.22	-9.57
5/4/09	-18.41	-19.08	-19.44	-19.7	-19.9	-20	-19.83	-19.63	-19.47	-16.3	-13.25	-9.6
5/5/09	-18.18	-18.82	-19.24	-19.5	-19.73	-19.79	-19.66	-19.53	-19.33	-16.32	-13.27	-9.62
5/6/09	-17.93	-18.59	-19.01	-19.27	-19.49	-19.59	-19.49	-19.36	-19.23	-16.29	-13.3	-9.62
5/7/09	-17.78	-18.4	-18.78	-19.04	-19.33	-19.43	-19.4	-19.2	-19.1	-16.29	-13.32	-9.64
5/8/09	-17.68	-18.24	-18.66	-18.88	-19.14	-19.27	-19.2	-19.1	-18.97	-16.32	-13.35	-9.67
5/9/09	-17.53	-18.09	-18.47	-18.72	-18.98	-19.07	-19.04	-18.94	-18.88	-16.26	-13.38	-9.7
5/10/09	-17.43	-17.99	-18.37	-18.56	-18.88	-18.94	-18.91	-18.81	-18.81	-16.26	-13.43	-9.69
5/11/09	-17.32	-17.87	-18.22	-18.44	-18.69	-18.82	-18.75	-18.69	-18.69	-16.26	-13.47	-9.73
5/12/09	-17.23	-17.75	-18.06	-18.31	-18.56	-18.66	-18.66	-18.53	-18.56	-16.23	-13.5	-9.75
5/13/09	-16.99	-17.6	-17.97	-18.19	-18.41	-18.54	-18.51	-18.44	-18.44	-16.21	-13.48	-9.76
5/14/09	-16.78	-17.39	-17.76	-18.04	-18.29	-18.41	-18.38	-18.35	-18.38	-16.18	-13.5	-9.81

LRD LANDFILL THERMISTOR DATA - #LRD2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.00 M	TH2_10 5.00 M	TH2_11 7.00 M	TH2_12 11.0 M
5/15/09	-16.54	-17.2	-17.63	-17.88	-18.16	-18.29	-18.26	-18.19	-18.26	-16.18	-13.5	-9.81
5/16/09	-16.29	-16.98	-17.41	-17.69	-18.03	-18.15	-18.12	-18.09	-18.15	-16.14	-13.55	-9.83
5/17/09	-16.12	-16.81	-17.26	-17.54	-17.85	-18	-18	-17.97	-18.03	-16.12	-13.56	-9.84
5/18/09	-16	-16.63	-17.11	-17.38	-17.69	-17.88	-17.88	-17.85	-17.94	-16.09	-13.56	-9.87
5/19/09	-15.74	-16.46	-16.94	-17.24	-17.55	-17.7	-17.73	-17.73	-17.86	-16.04	-13.57	-9.88
5/20/09	-15.45	-16.22	-16.73	-17.06	-17.39	-17.61	-17.61	-17.61	-17.73	-16.04	-13.57	-9.93
5/21/09	-15.09	-15.93	-16.47	-16.86	-17.22	-17.44	-17.47	-17.53	-17.62	-15.99	-13.58	-9.92
5/22/09	-14.65	-15.61	-16.22	-16.64	-17.04	-17.25	-17.34	-17.37	-17.56	-15.99	-13.6	-9.94
5/23/09	-14.24	-15.28	-15.92	-16.4	-16.85	-17.12	-17.18	-17.24	-17.46	-15.95	-13.62	-9.98
5/24/09	-13.99	-14.96	-15.69	-16.16	-16.61	-16.88	-17.06	-17.12	-17.33	-15.92	-13.62	-9.98
5/25/09	-13.81	-14.77	-15.41	-15.91	-16.41	-16.68	-16.83	-16.92	-17.2	-15.88	-13.67	-10
5/26/09												
5/27/09												
5/28/09												
5/29/09												
5/30/09												
5/31/09												
6/1/09												
6/2/09												
6/3/09												
6/4/09												
6/5/09												
6/6/09												
6/7/09												
6/8/09												
6/9/09												
6/10/09	-2.231	-3.951	-5.698	-7.48	-8.91	-9.94	-10.68	-11.22	-12.03	-12.44	-11.16	-8.29
6/11/09	-3.058	-4.829	-6.269	-7.72	-9	-9.94	-10.74	-11.41	-12.33	-12.88	-11.63	-8.68
6/12/09	-2.473	-4.192	-5.553	-6.894	-8.06	-9	-9.76	-10.4	-11.44	-12.15	-10.93	-7.98
6/13/09	-2.961	-4.552	-5.862	-7.18	-8.32	-9.21	-10.03	-10.75	-11.82	-12.69	-11.52	-8.53
6/14/09	-2.832	-4.423	-5.708	-6.997	-8.16	-9.05	-9.87	-10.59	-11.79	-12.83	-11.69	-8.69
6/15/09	-2.986	-4.551	-5.81	-7.1	-8.19	-9.1	-9.95	-10.72	-11.96	-13.22	-12.12	-9.05
6/16/09	-3.135	-4.623	-5.909	-7.15	-8.26	-9.18	-10.02	-10.77	-12.09	-13.52	-12.47	-9.39
6/17/09	-3.115	-4.603	-5.811	-7.05	-8.16	-9.05	-9.89	-10.67	-12.04	-13.67	-12.58	-9.58
6/18/09	-3.192	-4.654	-5.862	-7.07	-8.16	-9.08	-9.95	-10.72	-12.07	-13.86	-12.91	-9.9
6/19/09	-3.166	-4.629	-5.785	-6.971	-8.06	-8.95	-9.84	-10.61	-11.98	-13.95	-13.03	-10
6/20/09	-3.069	-4.454	-5.61	-6.821	-7.91	-8.77	-9.66	-10.43	-11.83	-13.89	-13.08	-10.11
6/21/09	-2.627	-3.987	-5.142	-6.326	-7.39	-8.27	-9.13	-9.92	-11.31	-13.47	-12.72	-9.79
6/22/09	-2.319	-3.679	-4.783	-5.939	-7.02	-7.85	-8.71	-9.5	-10.88	-13.19	-12.5	-9.66
6/23/09	-1.935	-3.27	-4.322	-5.452	-6.507	-7.33	-8.19	-8.97	-10.35	-12.72	-12.15	-9.32
6/24/09	-1.888	-3.171	-4.223	-5.352	-6.408	-7.21	-8.04	-8.82	-10.22	-12.7	-12.18	-9.37
6/25/09	-1.808	-3.066	-4.066	-5.195	-6.199	-6.999	-7.85	-8.64	-10.03	-12.59	-12.15	-9.4
6/26/09	-1.714	-2.921	-3.946	-5.05	-6.052	-6.852	-7.71	-8.49	-9.88	-12.51	-12.18	-9.43
6/27/09	-1.668	-2.926	-3.9	-5.003	-6.006	-6.831	-7.66	-8.46	-9.83	-12.57	-12.27	-9.59
6/28/09	-1.637	-2.869	-3.894	-5.023	-6.052	-6.851	-7.71	-8.49	-9.9	-12.7	-12.48	-9.82
6/29/09	-1.469	-2.701	-3.752	-4.829	-5.857	-6.681	-7.56	-8.34	-9.73	-12.63	-12.46	-9.83
6/30/09	-1.509	-2.69	-3.716	-4.844	-5.872	-6.697	-7.55	-8.36	-9.77	-12.76	-12.65	-10.06
7/1/09	-1.446	-2.679	-3.679	-4.783	-5.811	-6.61	-7.46	-8.27	-9.68	-12.72	-12.75	-10.19
7/2/09	-1.348	-2.504	-3.478	-4.582	-5.583	-6.382	-7.29	-8.06	-9.48	-12.59	-12.62	-10.14
7/3/09	-1.323	-2.479	-3.428	-4.531	-5.533	-6.331	-7.23	-7.99	-9.42	-12.56	-12.67	-10.24
7/4/09	-1.265	-2.396	-3.345	-4.423	-5.399	-6.197	-7.07	-7.88	-9.29	-12.5	-12.67	-10.27
7/5/09	-1.254	-2.385	-3.309	-4.387	-5.338	-6.11	-6.987	-7.82	-9.23	-12.47	-12.69	-10.36
7/6/09	-1.26	-2.313	-3.212	-4.264	-5.188	-5.96	-6.863	-7.64	-9.05	-12.33	-12.64	-10.34
7/7/09	-1.214	-2.268	-3.14	-4.167	-5.091	-5.836	-6.713	-7.51	-8.92	-12.26	-12.61	-10.35
7/8/09	-1.137	-2.217	-3.089	-4.09	-5.039	-5.759	-6.61	-7.39	-8.79	-12.15	-12.58	-10.37
7/9/09	-1.173	-2.202	-3.049	-4.075	-4.974	-5.669	-6.545	-7.32	-8.7	-12.16	-12.6	-10.44
7/10/09	-1.126	-2.128	-2.976	-3.976	-4.849	-5.569	-6.419	-7.19	-8.6	-12.03	-12.52	-10.44
7/11/09	-1.072	-2.099	-2.869	-3.869	-4.742	-5.435	-6.258	-7.03	-8.41	-11.86	-12.43	-10.43
7/12/09	-1.029	-2.057	-2.853	-3.828	-4.7	-5.394	-6.192	-6.966	-8.34	-11.82	-12.44	-10.45
7/13/09	-1.028	-2.031	-2.827	-3.776	-4.623	-5.291	-6.14	-6.863	-8.24	-11.74	-12.42	-10.47
7/14/09	-0.964	-1.94	-2.736	-3.685	-4.557	-5.173	-6.022	-6.744	-8.09	-11.61	-12.34	-10.43
7/15/09	-0.866	-1.894	-2.69	-3.587	-4.434	-5.075	-5.898	-6.645	-8.02	-11.53	-12.29	-10.46
7/16/09	-0.815	-1.869	-2.638	-3.562	-4.408	-5.024	-5.872	-6.619	-7.94	-11.45	-12.26	-10.51
7/17/09	-0.757	-1.811	-2.607	-3.531	-4.352	-4.993	-5.79	-6.511	-7.86	-11.39	-12.29	-10.51
7/18/09	-0.7	-1.78	-2.55	-3.5	-4.295	-4.937	-5.708	-6.429	-7.75	-11.33	-12.2	-10.53
7/19/09	-0.609	-1.689	-2.459	-3.382	-4.203	-4.793	-5.589	-6.336	-7.63	-11.18	-12.16	-10.54
7/20/09	-0.531	-1.612	-2.382	-3.305	-4.126	-4.716	-5.512	-6.233	-7.55	-11.13	-12.1	-10.54

LRD LANDFILL THERMISTOR DATA - #LRD2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.00 M	TH2_10 5.00 M	TH2_11 7.00 M	TH2_12 11.0 M
7/21/09	-0.403	-1.509	-2.305	-3.203	-4.023	-4.639	-5.409	-6.155	-7.47	-11.02	-12.05	-10.51
7/22/09	-0.339	-1.446	-2.242	-3.141	-3.987	-4.577	-5.374	-6.12	-7.39	-10.96	-12.04	-10.56
7/23/09	-0.313	-1.317	-2.088	-3.012	-3.859	-4.5	-5.296	-5.991	-7.28	-10.85	-11.96	-10.53
7/24/09	-0.267	-1.271	-2.017	-2.915	-3.761	-4.377	-5.147	-5.893	-7.18	-10.78	-11.88	-10.51
7/25/09	-0.15	-1.154	-1.925	-2.848	-3.643	-4.259	-5.054	-5.799	-7.09	-10.7	-11.83	-10.52
7/26/09	-0.022	-1.103	-1.874	-2.772	-3.618	-4.182	-4.978	-5.697	-6.986	-10.6	-11.81	-10.52
7/27/09	0.045	-1.063	-1.808	-2.733	-3.528	-4.144	-4.914	-5.633	-6.948	-10.53	-11.77	-10.53
7/28/09	0.034	-1.023	-1.769	-2.693	-3.514	-4.079	-4.849	-5.595	-6.91	-10.52	-11.76	-10.58
7/29/09	-0.043	-0.997	-1.717	-2.642	-3.412	-4.028	-4.798	-5.517	-6.78	-10.42	-11.7	-10.55
7/30/09	-0.13	-0.954	-1.674	-2.573	-3.343	-3.959	-4.703	-5.422	-6.685	-10.32	-11.66	-10.56
7/31/09	-0.102	-0.927	-1.621	-2.494	-3.264	-3.854	-4.624	-5.344	-6.606	-10.24	-11.6	-10.53
8/1/09	-0.033	-0.884	-1.552	-2.425	-3.195	-3.785	-4.555	-5.274	-6.509	-10.14	-11.5	-10.51
8/2/09	0.078	-0.876	-1.519	-2.393	-3.162	-3.727	-4.471	-5.216	-6.426	-10.05	-11.44	-10.5
8/3/09	0.145	-0.809	-1.503	-2.325	-3.12	-3.633	-4.377	-5.096	-6.331	-9.98	-11.39	-10.48
8/4/09	0.223	-0.808	-1.477	-2.35	-3.068	-3.607	-4.325	-5.07	-6.279	-9.9	-11.34	-10.48
8/5/09	0.254	-0.777	-1.446	-2.319	-3.064	-3.577	-4.295	-4.988	-6.223	-9.87	-11.31	-10.51
8/6/09	0.301	-0.756	-1.451	-2.298	-3.017	-3.555	-4.273	-4.992	-6.201	-9.82	-11.28	-10.56
8/7/09	0.28	-0.751	-1.42	-2.268	-2.987	-3.525	-4.269	-4.911	-6.145	-9.76	-11.25	-10.59
8/8/09	0.28	-0.725	-1.394	-2.242	-2.961	-3.499	-4.218	-4.885	-6.094	-9.74	-11.25	-10.56
8/9/09	0.274	-0.706	-1.375	-2.197	-2.941	-3.428	-4.146	-4.839	-6.047	-9.66	-11.18	-10.56
8/10/09	0.302	-0.678	-1.347	-2.169	-2.887	-3.4	-4.119	-4.786	-5.968	-9.58	-11.15	-10.56
8/11/09	0.358	-0.648	-1.342	-2.139	-2.858	-3.371	-4.038	-4.731	-5.913	-9.5	-11.09	-10.58
8/12/09	0.37	-0.636	-1.28	-2.103	-2.822	-3.335	-4.002	-4.669	-5.852	-9.46	-11.06	-10.55
8/13/09	0.296	-0.607	-1.276	-2.073	-2.767	-3.306	-3.973	-4.64	-5.797	-9.41	-11.03	-10.55
8/14/09	0.158	-0.616	-1.234	-2.031	-2.75	-3.237	-3.93	-4.571	-5.754	-9.34	-10.95	-10.55
8/15/09	0.137	-0.611	-1.229	-2.026	-2.719	-3.207	-3.874	-4.541	-5.698	-9.28	-10.92	-10.55
8/16/09	0.151	-0.648	-1.215	-1.986	-2.679	-3.166	-3.833	-4.475	-5.682	-9.21	-10.88	-10.53
8/17/09	0.235	-0.591	-1.209	-1.98	-2.647	-3.135	-3.776	-4.418	-5.6	-9.13	-10.79	-10.53
8/18/09	0.233	-0.592	-1.184	-1.955	-2.623	-3.085	-3.778	-4.368	-5.524	-9.08	-10.77	-10.53
8/19/09	0.215	-0.585	-1.177	-1.923	-2.616	-3.053	-3.694	-4.336	-5.492	-9.02	-10.74	-10.55
8/20/09	0.163	-0.585	-1.151	-1.897	-2.565	-3.027	-3.668	-4.31	-5.44	-8.96	-10.66	-10.5
8/21/09	0.12	-0.577	-1.143	-1.889	-2.532	-2.994	-3.635	-4.251	-5.382	-8.91	-10.62	-10.49
8/22/09	0.069	-0.576	-1.143	-1.863	-2.505	-2.993	-3.584	-4.225	-5.33	-8.85	-10.6	-10.49
8/23/09	0	-0.619	-1.134	-1.854	-2.522	-2.933	-3.601	-4.217	-5.322	-8.79	-10.54	-10.48
8/24/09	-0.109	-0.599	-1.114	-1.834	-2.451	-2.913	-3.529	-4.145	-5.25	-8.75	-10.49	-10.49
8/25/09	-0.114	-0.63	-1.145	-1.813	-2.456	-2.892	-3.508	-4.124	-5.203	-8.7	-10.44	-10.46
8/26/09	-0.069	-0.636	-1.1	-1.794	-2.411	-2.847	-3.463	-4.079	-5.132	-8.65	-10.39	-10.44
8/27/09	-0.003	-0.648	-1.086	-1.78	-2.396	-2.807	-3.422	-4.038	-5.09	-8.56	-10.32	-10.43
8/28/09	0.126	-0.596	-1.085	-1.779	-2.396	-2.806	-3.396	-3.986	-5.064	-8.5	-10.32	-10.42
8/29/09	0.163	-0.585	-1.126	-1.768	-2.411	-2.796	-3.386	-3.976	-5.029	-8.47	-10.28	-10.42
8/30/09	0.137	-0.585	-1.074	-1.769	-2.359	-2.77	-3.335	-3.951	-5.003	-8.42	-10.23	-10.42
8/31/09	0.086	-0.585	-1.074	-1.768	-2.359	-2.744	-3.36	-3.925	-4.952	-8.39	-10.18	-10.42
9/1/09	0.034	-0.61	-1.074	-1.743	-2.333	-2.719	-3.309	-3.873	-4.926	-8.31	-10.12	-10.42
9/2/09	0.009	-0.584	-1.074	-1.742	-2.307	-2.718	-3.283	-3.873	-4.874	-8.28	-10.1	-10.39
9/3/09	0.008	-0.585	-1.074	-1.717	-2.308	-2.719	-3.258	-3.848	-4.849	-8.23	-10.07	-10.39
9/4/09	0.02	-0.573	-1.063	-1.706	-2.297	-2.682	-3.247	-3.812	-4.813	-8.2	-10.04	-10.38
9/5/09	-0.077	-0.593	-1.057	-1.7	-2.291	-2.651	-3.216	-3.781	-4.808	-8.14	-9.98	-10.4
9/6/09	-0.174	-0.613	-1.051	-1.694	-2.26	-2.645	-3.21	-3.75	-4.751	-8.11	-9.95	-10.37
9/7/09	-0.258	-0.619	-1.057	-1.7	-2.266	-2.625	-3.165	-3.755	-4.731	-8.06	-9.9	-10.35
9/8/09	-0.28	-0.641	-1.053	-1.671	-2.237	-2.596	-3.161	-3.701	-4.702	-8.03	-9.87	-10.35
9/9/09	-0.303	-0.664	-1.051	-1.669	-2.234	-2.594	-3.133	-3.673	-4.674	-7.95	-9.84	-10.35
9/10/09	-0.303	-0.69	-1.051	-1.669	-2.234	-2.594	-3.108	-3.673	-4.649	-7.93	-9.79	-10.32
9/11/09	-0.317	-0.704	-1.065	-1.709	-2.197	-2.557	-3.097	-3.636	-4.612	-7.87	-9.75	-10.31
9/12/09	-0.375	-0.684	-1.071	-1.663	-2.229	-2.563	-3.102	-3.616	-4.592	-7.85	-9.73	-10.29
9/13/09	-0.45	-0.708	-1.069	-1.661	-2.201	-2.535	-3.049	-3.588	-4.539	-7.79	-9.68	-10.29
9/14/09	-0.432	-0.716	-1.102	-1.694	-2.183	-2.517	-3.056	-3.57	-4.52	-7.75	-9.63	-10.27
9/15/09	-0.412	-0.748	-1.108	-1.7	-2.214	-2.522	-3.036	-3.55	-4.5	-7.72	-9.61	-10.27
9/16/09	-0.432	-0.767	-1.102	-1.694	-2.183	-2.517	-3.031	-3.518	-4.469	-7.69	-9.58	-10.27
9/17/09	-0.484	-0.793	-1.128	-1.694	-2.183	-2.491	-3.005	-3.493	-4.443	-7.67	-9.52	-10.24
9/18/09	-0.544	-0.802	-1.137	-1.704	-2.192	-2.501	-3.015	-3.503	-4.454	-7.63	-9.49	-10.25
9/19/09	-0.873	-0.924	-1.208	-1.723	-2.212	-2.494	-2.983	-3.471	-4.422	-7.6	-9.48	-10.25
9/20/09	-1.105	-1.079	-1.234	-1.749	-2.212	-2.494	-2.983	-3.445	-4.396	-7.54	-9.45	-10.22
9/21/09	-1.351	-1.248	-1.376	-1.789	-2.226	-2.509	-2.972	-3.434	-4.36	-7.51	-9.39	-10.21
9/22/09	-1.78	-1.6	-1.651	-1.986	-2.269	-2.527	-2.989	-3.427	-4.352	-7.48	-9.39	-10.21
9/23/09	-1.98	-1.826	-1.851	-2.109	-2.366	-2.572	-3.009	-3.445	-4.345	-7.44	-9.35	-10.19
9/24/09	-2.238	-2.136	-2.11	-2.341	-2.547	-2.624	-3.061	-3.446	-4.346	-7.39	-9.32	-10.17
9/25/09	-2.469	-2.417	-2.366	-2.546	-2.726	-2.752	-3.086	-3.471	-4.345	-7.36	-9.27	-10.19

LRD LANDFILL THERMISTOR DATA - #LRD2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.00 M	TH2_10 5.00 M	TH2_11 7.00 M	TH2_12 11.0 M
9/26/09	-2.772	-2.72	-2.643	-2.797	-2.952	-2.926	-3.183	-3.517	-4.34	-7.33	-9.24	-10.16
9/27/09	-3.058	-2.981	-2.904	-3.033	-3.187	-3.161	-3.341	-3.572	-4.343	-7.31	-9.22	-10.14
9/28/09	-3.394	-3.214	-3.086	-3.188	-3.317	-3.291	-3.42	-3.651	-4.345	-7.29	-9.16	-10.14
9/29/09	-3.548	-3.42	-3.291	-3.368	-3.471	-3.445	-3.548	-3.702	-4.396	-7.23	-9.16	-10.12
9/30/09	-3.759	-3.579	-3.476	-3.528	-3.631	-3.554	-3.682	-3.785	-4.427	-7.24	-9.12	-10.09
10/1/09	-3.764	-3.687	-3.585	-3.636	-3.687	-3.61	-3.713	-3.867	-4.458	-7.17	-9.07	-10.1
10/2/09	-3.79	-3.79	-3.687	-3.739	-3.79	-3.687	-3.816	-3.944	-4.51	-7.17	-9.04	-10.07
10/3/09	-3.882	-3.882	-3.779	-3.856	-3.908	-3.805	-3.908	-4.036	-4.576	-7.13	-9.01	-10.06
10/4/09	-4.18	-4	-3.923	-4	-4.077	-4	-4.103	-4.129	-4.617	-7.09	-9	-10.08
10/5/09	-4.257	-4.206	-4.103	-4.129	-4.231	-4.154	-4.283	-4.231	-4.669	-7.09	-8.94	-10.05
10/6/09	-4.464	-4.386	-4.232	-4.284	-4.361	-4.284	-4.412	-4.361	-4.721	-7.07	-8.95	-10.03
10/7/09	-4.628	-4.525	-4.371	-4.396	-4.448	-4.371	-4.499	-4.422	-4.782	-7.05	-8.9	-10.04
10/8/09	-4.751	-4.673	-4.519	-4.545	-4.596	-4.519	-4.673	-4.57	-4.828	-7.05	-8.87	-10.01
10/9/09	-4.952	-4.875	-4.721	-4.721	-4.798	-4.746	-4.952	-4.798	-4.901	-7.02	-8.87	-10.01
10/10/09	-5.266	-5.137	-4.931	-4.931	-5.008	-4.982	-5.24	-5.034	-4.957	-7.02	-8.82	-10.01
10/11/09	-5.498	-5.395	-5.163	-5.111	-5.188	-5.163	-5.42	-5.24	-5.008	-6.997	-8.8	-9.98
10/12/09	-5.771	-5.668	-5.41	-5.333	-5.41	-5.41	-5.694	-5.462	-5.101	-6.987	-8.76	-9.97
10/13/09	-6.24	-5.956	-5.595	-5.467	-5.492	-5.441	-5.698	-5.492	-5.157	-6.99	-8.79	-9.97
10/14/09	-6.282	-6.101	-5.766	-5.611	-5.611	-5.534	-5.766	-5.559	-5.224	-6.981	-8.73	-9.94
10/15/09	-6.54	-6.256	-5.921	-5.792	-5.792	-5.714	-5.946	-5.714	-5.302	-6.955	-8.7	-9.94
10/16/09	-6.634	-6.401	-6.065	-5.91	-5.91	-5.833	-6.065	-5.807	-5.369	-6.997	-8.69	-9.93
10/17/09	-6.968	-6.553	-6.216	-6.061	-6.087	-6.01	-6.268	-6.01	-5.467	-6.968	-8.66	-9.9
10/18/09	-7.3	-6.78	-6.391	-6.262	-6.288	-6.236	-6.547	-6.236	-5.565	-6.961	-8.63	-9.89
10/19/09	-7.45	-7.01	-6.598	-6.443	-6.469	-6.443	-6.754	-6.417	-5.642	-6.961	-8.6	-9.89
10/20/09	-7.52	-7.2	-6.789	-6.608	-6.608	-6.556	-6.841	-6.556	-5.73	-6.971	-8.61	-9.88
10/21/09	-7.63	-7.37	-6.985	-6.752	-6.726	-6.7	-6.985	-6.648	-5.821	-6.985	-8.57	-9.87
10/22/09	-7.91	-7.55	-7.13	-6.925	-6.899	-6.873	-7.18	-6.847	-5.89	-6.977	-8.54	-9.86
10/23/09	-8.14	-7.75	-7.3	-7.1	-7.07	-7.05	-7.38	-7.02	-5.983	-6.993	-8.53	-9.82
10/24/09	-8.41	-7.96	-7.49	-7.28	-7.28	-7.26	-7.62	-7.23	-6.093	-6.999	-8.51	-9.83
10/25/09	-8.64	-8.19	-7.72	-7.49	-7.46	-7.46	-7.85	-7.44	-6.164	-7.02	-8.51	-9.82
10/26/09	-8.75	-8.44	-7.94	-7.65	-7.63	-7.6	-7.99	-7.57	-6.278	-7.03	-8.49	-9.81
10/27/09	-8.88	-8.62	-8.15	-7.84	-7.78	-7.76	-8.12	-7.7	-6.381	-7.08	-8.49	-9.81
10/28/09	-9.01	-8.78	-8.33	-7.99	-7.91	-7.89	-8.25	-7.84	-6.459	-7.05	-8.46	-9.78
10/29/09	-9.21	-8.95	-8.51	-8.14	-8.09	-8.06	-8.4	-7.98	-6.604	-7.07	-8.45	-9.77
10/30/09	-9.53	-9.13	-8.66	-8.32	-8.27	-8.27	-8.64	-8.19	-6.681	-7.1	-8.45	-9.77
10/31/09	-9.74	-9.35	-8.82	-8.51	-8.43	-8.43	-8.82	-8.37	-6.786	-7.12	-8.43	-9.74
11/1/09	-10.08	-9.6	-9.05	-8.73	-8.65	-8.68	-9.1	-8.63	-6.88	-7.14	-8.42	-9.73
11/2/09	-10.49	-9.93	-9.32	-8.98	-8.92	-8.98	-9.42	-8.92	-7.02	-7.15	-8.4	-9.72
11/3/09	-11.02	-10.32	-9.63	-9.31	-9.26	-9.36	-9.89	-9.31	-7.14	-7.19	-8.39	-9.71
11/4/09	-11.36	-10.79	-10.02	-9.65	-9.59	-9.72	-10.26	-9.65	-7.26	-7.21	-8.38	-9.7
11/5/09	-11.66	-11.22	-10.42	-9.99	-9.88	-10.02	-10.58	-9.91	-7.39	-7.23	-8.38	-9.7
11/6/09	-11.85	-11.55	-10.79	-10.26	-10.12	-10.23	-10.79	-10.12	-7.52	-7.26	-8.38	-9.67
11/7/09	-11.95	-11.84	-11.17	-10.52	-10.34	-10.42	-10.95	-10.28	-7.68	-7.29	-8.36	-9.67
11/8/09	-12.05	-12.05	-11.51	-10.78	-10.51	-10.57	-11.08	-10.41	-7.83	-7.33	-8.37	-9.66
11/9/09	-12.2	-12.23	-11.68	-11.01	-10.74	-10.74	-11.22	-10.55	-7.99	-7.36	-8.36	-9.65
11/10/09	-12.52	-12.47	-11.89	-11.21	-10.94	-10.94	-11.46	-10.76	-8.14	-7.41	-8.37	-9.64
11/11/09	-12.49	-12.74	-12.08	-11.43	-11.1	-11.08	-11.56	-10.86	-8.3	-7.43	-8.35	-9.61
11/12/09	-12.47	-12.94	-12.2	-11.68	-11.19	-11.11	-11.46	-10.82	-8.44	-7.47	-8.33	-9.62
11/13/09	-12.4	-12.87	-12.23	-11.77	-11.31	-11.09	-11.42	-10.77	-8.6	-7.53	-8.34	-9.6
11/14/09	-12.37	-12.73	-12.21	-11.77	-11.42	-11.07	-11.31	-10.67	-8.73	-7.56	-8.37	-9.58
11/15/09	-12.27	-12.57	-12.13	-11.75	-11.43	-11.02	-11.18	-10.43	-8.87	-7.62	-8.35	-9.58
11/16/09	-12.17	-12.39	-12.03	-11.68	-11.41	-10.98	-11.03	-10.23	-9.01	-7.66	-8.36	-9.57
11/17/09	-12	-12.16	-11.92	-11.73	-11.37	-10.89	-10.84	-10.09	-9.11	-7.72	-8.35	-9.56
11/18/09	-11.9	-11.95	-11.76	-11.63	-11.33	-10.87	-10.79	-10.07	-9.22	-7.78	-8.36	-9.54
11/19/09	-11.98	-11.98	-11.77	-11.63	-11.3	-10.9	-10.85	-10.1	-9.3	-7.83	-8.38	-9.54
11/20/09	-12.22	-12.16	-11.84	-11.51	-11.24	-11	-11.02	-10.19	-9.37	-7.9	-8.37	-9.53
11/21/09	-12.61	-12.48	-12.07	-11.6	-11.33	-11.09	-11.17	-10.26	-9.44	-7.96	-8.38	-9.51
11/22/09	-12.99	-12.82	-12.33	-11.81	-11.46	-11.19	-11.21	-10.3	-9.5	-8.01	-8.4	-9.53
11/23/09	-13.24	-13.07	-12.57	-11.97	-11.59	-11.29	-11.24	-10.33	-9.56	-8.06	-8.4	-9.5
11/24/09	-13.45	-13.26	-12.73	-12.18	-11.72	-11.34	-11.18	-10.29	-9.63	-8.13	-8.42	-9.5
11/25/09	-13.61	-13.33	-12.83	-12.45	-11.95	-11.41	-11.11	-10.31	-9.7	-8.17	-8.44	-9.49
11/26/09	-13.67	-13.33	-12.86	-12.39	-12.01	-11.46	-11.01	-10.36	-9.75	-8.23	-8.46	-9.49
11/27/09	-13.65	-13.28	-12.81	-12.4	-12.04	-11.53	-11.01	-10.45	-9.84	-8.29	-8.47	-9.47
11/28/09	-13.53	-13.2	-12.78	-12.4	-12.1	-11.58	-11.07	-10.53	-9.92	-8.34	-8.47	-9.47
11/29/09	-13.47	-13.14	-12.78	-12.39	-12.09	-11.63	-11.14	-10.6	-10.02	-8.41	-8.51	-9.46
11/30/09	-13.51	-13.15	-12.76	-12.41	-12.1	-11.64	-11.18	-10.67	-10.11	-8.47	-8.53	-9.45
12/1/09	-13.74	-13.27	-12.82	-12.44	-12.13	-11.67	-11.21	-10.73	-10.19	-8.5	-8.56	-9.45

LRD LANDFILL THERMISTOR DATA - #LRD2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.00 M	TH2_10 5.00 M	TH2_11 7.00 M	TH2_12 11.0 M
12/2/09	-13.98	-13.44	-12.94	-12.53	-12.2	-11.71	-11.25	-10.76	-10.26	-8.57	-8.57	-9.43
12/3/09	-14.12	-13.58	-13.08	-12.64	-12.28	-11.79	-11.33	-10.82	-10.33	-8.62	-8.59	-9.43
12/4/09	-14.1	-13.65	-13.17	-12.73	-12.37	-11.88	-11.39	-10.88	-10.4	-8.65	-8.58	-9.42
12/5/09	-13.88	-13.57	-13.2	-12.79	-12.46	-11.96	-11.47	-10.96	-10.48	-8.73	-8.6	-9.42
12/6/09	-14.03	-13.58	-13.16	-12.8	-12.47	-12	-11.57	-11.05	-10.54	-8.79	-8.63	-9.4
12/7/09	-14.61	-13.9	-13.34	-12.87	-12.51	-12.07	-11.6	-11.09	-10.61	-8.83	-8.64	-9.41
12/8/09	-15.36	-14.37	-13.64	-13.08	-12.66	-12.14	-11.68	-11.16	-10.68	-8.87	-8.69	-9.4
12/9/09	-16.12	-14.95	-14.06	-13.39	-12.86	-12.3	-11.78	-11.24	-10.73	-8.92	-8.71	-9.4
12/10/09	-16.8	-15.55	-14.59	-13.76	-13.15	-12.51	-11.93	-11.36	-10.82	-8.99	-8.72	-9.38
12/11/09	-17.5	-16.14	-15.05	-14.16	-13.48	-12.76	-12.13	-11.5	-10.93	-9.04	-8.75	-9.38
12/12/09	-18.14	-16.72	-15.59	-14.6	-13.84	-13.05	-12.33	-11.68	-11.03	-9.08	-8.76	-9.37
12/13/09	-18.59	-17.21	-16.04	-15.01	-14.21	-13.36	-12.58	-11.87	-11.16	-9.11	-8.8	-9.38
12/14/09	-18.9	-17.58	-16.45	-15.39	-14.55	-13.67	-12.86	-12.09	-11.3	-9.17	-8.8	-9.38
12/15/09	-18.81	-17.74	-16.73	-15.72	-14.9	-14.02	-13.15	-12.32	-11.47	-9.21	-8.84	-9.36
12/16/09	-18.55	-17.67	-16.81	-15.92	-15.16	-14.26	-13.39	-12.53	-11.63	-9.28	-8.85	-9.35
12/17/09	-18.34	-17.56	-16.79	-16.01	-15.31	-14.47	-13.59	-12.76	-11.8	-9.34	-8.89	-9.36
12/18/09	-18.14	-17.46	-16.75	-16.04	-15.39	-14.61	-13.78	-12.94	-11.98	-9.38	-8.91	-9.35
12/19/09	-18.06	-17.38	-16.71	-16.05	-15.43	-14.71	-13.91	-13.07	-12.14	-9.45	-8.92	-9.35
12/20/09	-17.84	-17.32	-16.68	-16.08	-15.49	-14.8	-14.03	-13.19	-12.28	-9.51	-8.95	-9.35
12/21/09	-17.57	-17.11	-16.6	-16.03	-15.5	-14.86	-14.11	-13.33	-12.41	-9.58	-8.98	-9.35
12/22/09	-17.59	-17.04	-16.49	-15.99	-15.49	-14.88	-14.19	-13.4	-12.51	-9.65	-9.01	-9.36
12/23/09	-17.85	-17.11	-16.5	-15.97	-15.49	-14.91	-14.22	-13.46	-12.63	-9.71	-9.03	-9.34
12/24/09	-18.14	-17.3	-16.66	-16.06	-15.56	-14.95	-14.29	-13.53	-12.72	-9.79	-9.05	-9.34
12/25/09	-18.52	-17.61	-16.84	-16.18	-15.65	-15.01	-14.35	-13.59	-12.78	-9.86	-9.09	-9.33
12/26/09	-18.59	-17.77	-17.03	-16.37	-15.78	-15.13	-14.44	-13.68	-12.87	-9.92	-9.1	-9.34
12/27/09	-18.5	-17.81	-17.13	-16.47	-15.9	-15.23	-14.53	-13.77	-12.96	-9.97	-9.15	-9.34
12/28/09	-18.61	-17.85	-17.17	-16.54	-16	-15.32	-14.66	-13.86	-13.05	-10.06	-9.16	-9.35
12/29/09	-18.78	-17.99	-17.28	-16.64	-16.07	-15.42	-14.75	-13.95	-13.14	-10.12	-9.22	-9.32
12/30/09	-19.13	-18.2	-17.42	-16.75	-16.18	-15.5	-14.83	-14.06	-13.25	-10.17	-9.24	-9.34
12/31/09	-19.57	-18.5	-17.69	-16.95	-16.32	-15.63	-14.93	-14.13	-13.34	-10.26	-9.27	-9.33
1/1/10	-20.12	-18.94	-17.99	-17.18	-16.48	-15.8	-15.04	-14.23	-13.42	-10.33	-9.29	-9.32
1/2/10	-20.49	-19.36	-18.37	-17.46	-16.73	-15.98	-15.19	-14.38	-13.51	-10.39	-9.33	-9.33
1/3/10	-20.58	-19.55	-18.61	-17.73	-16.99	-16.18	-15.39	-14.52	-13.61	-10.44	-9.35	-9.35
1/4/10	-20.55	-19.62	-18.74	-17.92	-17.18	-16.39	-15.56	-14.66	-13.75	-10.51	-9.4	-9.34
1/5/10	-20.73	-19.72	-18.88	-18.05	-17.34	-16.55	-15.71	-14.81	-13.87	-10.58	-9.43	-9.35
1/6/10	-21.01	-19.96	-19.08	-18.22	-17.5	-16.7	-15.87	-14.99	-13.98	-10.63	-9.48	-9.35
1/7/10	-21.43	-20.23	-19.31	-18.41	-17.66	-16.86	-16.02	-15.11	-14.13	-10.71	-9.51	-9.35
1/8/10	-21.89	-20.64	-19.6	-18.66	-17.9	-17.04	-16.19	-15.25	-14.27	-10.79	-9.53	-9.35
1/9/10	-22.32	-21.05	-19.97	-18.95	-18.12	-17.26	-16.35	-15.4	-14.39	-10.85	-9.56	-9.35
1/10/10	-22.68	-21.37	-20.27	-19.25	-18.38	-17.47	-16.56	-15.58	-14.53	-10.9	-9.59	-9.36
1/11/10	-22.98	-21.65	-20.58	-19.52	-18.64	-17.7	-16.78	-15.76	-14.66	-10.99	-9.63	-9.34
1/12/10	-23.13	-21.9	-20.82	-19.78	-18.9	-17.95	-16.96	-15.94	-14.8	-11.05	-9.66	-9.34
1/13/10	-23.27	-22.07	-21.05	-20	-19.12	-18.19	-17.17	-16.14	-14.99	-11.12	-9.73	-9.35
1/14/10	-23.48	-22.27	-21.22	-20.19	-19.3	-18.37	-17.37	-16.31	-15.13	-11.19	-9.74	-9.37
1/15/10	-23.74	-22.48	-21.45	-20.39	-19.53	-18.56	-17.56	-16.49	-15.31	-11.25	-9.78	-9.35
1/16/10	-23.69	-22.61	-21.61	-20.61	-19.74	-18.77	-17.76	-16.65	-15.47	-11.34	-9.81	-9.36
1/17/10	-23.68	-22.65	-21.68	-20.71	-19.9	-18.96	-17.94	-16.83	-15.61	-11.42	-9.86	-9.36
1/18/10	-23.97	-22.81	-21.8	-20.86	-20.02	-19.1	-18.11	-17	-15.77	-11.5	-9.89	-9.36
1/19/10	-24.36	-23.12	-22.03	-21.05	-20.2	-19.24	-18.25	-17.16	-15.92	-11.57	-9.93	-9.37
1/20/10	-24.72	-23.42	-22.32	-21.27	-20.38	-19.41	-18.39	-17.29	-16.06	-11.67	-9.97	-9.39
1/21/10	-24.84	-23.61	-22.58	-21.47	-20.58	-19.61	-18.57	-17.45	-16.2	-11.77	-10.02	-9.39
1/22/10	-24.88	-23.77	-22.73	-21.66	-20.79	-19.82	-18.77	-17.61	-16.36	-11.84	-10.06	-9.4
1/23/10	-24.89	-23.81	-22.81	-21.8	-20.93	-19.99	-18.94	-17.77	-16.49	-11.93	-10.1	-9.41
1/24/10	-24.81	-23.81	-22.92	-21.94	-21.07	-20.15	-19.1	-17.96	-16.67	-12.01	-10.15	-9.4
1/25/10	-24.66	-23.77	-22.92	-21.98	-21.18	-20.26	-19.23	-18.08	-16.79	-12.09	-10.2	-9.41
1/26/10	-24.47	-23.71	-22.89	-22.02	-21.25	-20.37	-19.34	-18.22	-16.92	-12.18	-10.24	-9.42
1/27/10	-24.17	-23.49	-22.79	-22	-21.3	-20.44	-19.45	-18.35	-17.08	-12.28	-10.28	-9.43
1/28/10	-23.89	-23.29	-22.66	-21.95	-21.28	-20.46	-19.53	-18.43	-17.19	-12.37	-10.34	-9.41
1/29/10	-23.87	-23.16	-22.54	-21.86	-21.26	-20.48	-19.58	-18.51	-17.29	-12.46	-10.37	-9.44
1/30/10	-24.12	-23.29	-22.56	-21.84	-21.21	-20.46	-19.6	-18.56	-17.37	-12.54	-10.42	-9.44
1/31/10	-24.19	-23.43	-22.7	-21.91	-21.28	-20.52	-19.66	-18.62	-17.46	-12.64	-10.47	-9.45
2/1/10	-24.23	-23.43	-22.73	-21.98	-21.35	-20.59	-19.69	-18.68	-17.55	-12.72	-10.52	-9.45
2/2/10	-24.24	-23.48	-22.78	-22.02	-21.36	-20.64	-19.77	-18.73	-17.63	-12.82	-10.56	-9.47
2/3/10	-24.07	-23.43	-22.77	-22.05	-21.45	-20.69	-19.82	-18.81	-17.71	-12.89	-10.6	-9.45
2/4/10	-24	-23.36	-22.73	-22.05	-21.45	-20.72	-19.88	-18.87	-17.8	-12.97	-10.65	-9.48
2/5/10	-24.07	-23.35	-22.69	-22.04	-21.44	-20.75	-19.91	-18.93	-17.85	-13.04	-10.69	-9.49
2/6/10	-24.26	-23.47	-22.77	-22.08	-21.48	-20.79	-19.95	-18.97	-17.92	-13.13	-10.76	-9.48

LRD LANDFILL THERMISTOR DATA - #LRD2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.00 M	TH2_10 5.00 M	TH2_11 7.00 M	TH2_12 11.0 M
2/7/10	-24.3	-23.54	-22.87	-22.11	-21.55	-20.82	-20.01	-19.03	-17.98	-13.21	-10.81	-9.5
2/8/10	-24.37	-23.61	-22.91	-22.22	-21.61	-20.89	-20.04	-19.09	-18.04	-13.29	-10.85	-9.49
2/9/10	-24.53	-23.69	-22.99	-22.26	-21.66	-20.93	-20.12	-19.13	-18.11	-13.36	-10.89	-9.53
2/10/10	-24.58	-23.81	-23.1	-22.34	-21.73	-21	-20.19	-19.2	-18.18	-13.42	-10.95	-9.54
2/11/10	-24.54	-23.81	-23.14	-22.41	-21.77	-21.07	-20.26	-19.27	-18.24	-13.51	-11.01	-9.54
2/12/10	-24.48	-23.79	-23.15	-22.46	-21.85	-21.16	-20.31	-19.31	-18.32	-13.58	-11.05	-9.56
2/13/10	-24.18	-23.65	-23.09	-22.43	-21.9	-21.2	-20.35	-19.39	-18.36	-13.64	-11.11	-9.57
2/14/10	-23.82	-23.41	-22.93	-22.38	-21.85	-21.22	-20.4	-19.44	-18.44	-13.74	-11.15	-9.57
2/15/10	-23.62	-23.21	-22.8	-22.26	-21.8	-21.17	-20.42	-19.49	-18.49	-13.79	-11.2	-9.58
2/16/10	-23.35	-23.01	-22.61	-22.15	-21.72	-21.16	-20.41	-19.48	-18.52	-13.84	-11.25	-9.59
2/17/10	-23.02	-22.8	-22.44	-22.01	-21.62	-21.1	-20.39	-19.49	-18.59	-13.93	-11.31	-9.6
2/18/10	-22.81	-22.56	-22.27	-21.88	-21.52	-21.04	-20.36	-19.49	-18.62	-13.98	-11.36	-9.62
2/19/10	-22.94	-22.5	-22.14	-21.75	-21.43	-20.95	-20.3	-19.47	-18.63	-14.07	-11.41	-9.62
2/20/10	-23.49	-22.75	-22.24	-21.74	-21.36	-20.88	-20.26	-19.44	-18.66	-14.13	-11.46	-9.64
2/21/10	-24.07	-23.16	-22.47	-21.86	-21.4	-20.89	-20.24	-19.41	-18.64	-14.17	-11.5	-9.65
2/22/10	-24.45	-23.49	-22.76	-22.07	-21.54	-20.95	-20.27	-19.44	-18.67	-14.22	-11.55	-9.68
2/23/10	-24.66	-23.74	-23	-22.27	-21.67	-21.08	-20.33	-19.47	-18.69	-14.28	-11.58	-9.68
2/24/10	-24.49	-23.84	-23.13	-22.4	-21.83	-21.17	-20.42	-19.52	-18.72	-14.33	-11.64	-9.68
2/25/10	-23.84	-23.54	-23.06	-22.44	-21.94	-21.28	-20.52	-19.59	-18.78	-14.39	-11.69	-9.68
2/26/10	-23.39	-23.1	-22.77	-22.3	-21.87	-21.31	-20.59	-19.68	-18.84	-14.46	-11.76	-9.71
2/27/10	-23.6	-23.04	-22.64	-22.17	-21.78	-21.26	-20.57	-19.7	-18.89	-14.5	-11.79	-9.72
2/28/10	-24.12	-23.33	-22.74	-22.16	-21.77	-21.24	-20.56	-19.72	-18.91	-14.54	-11.83	-9.73
3/1/10	-24.74	-23.74	-23.03	-22.34	-21.81	-21.28	-20.56	-19.72	-18.94	-14.6	-11.89	-9.76
3/2/10	-25.3	-24.2	-23.37	-22.56	-21.99	-21.36	-20.63	-19.76	-18.98	-14.64	-11.92	-9.77
3/3/10	-25.72	-24.6	-23.69	-22.83	-22.18	-21.51	-20.72	-19.84	-18.99	-14.71	-11.97	-9.79
3/4/10	-25.84	-24.81	-23.96	-23.1	-22.4	-21.66	-20.86	-19.92	-19.06	-14.75	-12.03	-9.79
3/5/10	-25.8	-24.92	-24.11	-23.24	-22.58	-21.83	-20.99	-20.05	-19.13	-14.8	-12.08	-9.82
3/6/10	-25.8	-24.92	-24.18	-23.35	-22.72	-21.97	-21.13	-20.14	-19.22	-14.83	-12.1	-9.81
3/7/10	-25.88	-25	-24.26	-23.47	-22.8	-22.08	-21.24	-20.25	-19.29	-14.89	-12.14	-9.85
3/8/10	-25.95	-25.11	-24.33	-23.53	-22.9	-22.17	-21.33	-20.37	-19.37	-14.93	-12.2	-9.86
3/9/10	-26.02	-25.17	-24.43	-23.67	-23	-22.27	-21.43	-20.43	-19.47	-14.99	-12.24	-9.87
3/10/10	-25.79	-25.15	-24.45	-23.72	-23.09	-22.36	-21.51	-20.51	-19.55	-15.04	-12.26	-9.88
3/11/10	-25.22	-24.83	-24.32	-23.68	-23.12	-22.46	-21.61	-20.61	-19.64	-15.09	-12.3	-9.9
3/12/10	-24.74	-24.46	-24.08	-23.55	-23.07	-22.45	-21.63	-20.66	-19.73	-15.13	-12.34	-9.91
3/13/10	-24.58	-24.24	-23.85	-23.37	-22.96	-22.38	-21.67	-20.7	-19.76	-15.16	-12.4	-9.94
3/14/10	-24.52	-24.13	-23.75	-23.27	-22.86	-22.32	-21.64	-20.71	-19.81	-15.23	-12.44	-9.95
3/15/10	-24.39	-24.04	-23.67	-23.22	-22.81	-22.31	-21.6	-20.7	-19.86	-15.28	-12.48	-9.97
3/16/10	-24.32	-23.94	-23.56	-23.08	-22.75	-22.25	-21.57	-20.71	-19.9	-15.35	-12.52	-9.98
3/17/10	-24.27	-23.89	-23.51	-23.06	-22.7	-22.19	-21.56	-20.69	-19.89	-15.39	-12.56	-9.99
3/18/10	-24.31	-23.89	-23.47	-22.99	-22.66	-22.16	-21.52	-20.66	-19.92	-15.45	-12.62	-10.02
3/19/10	-24.42	-23.92	-23.47	-22.99	-22.62	-22.15	-21.52	-20.69	-19.92	-15.5	-12.66	-10.03
3/20/10	-24.46	-23.96	-23.51	-22.99	-22.63	-22.12	-21.49	-20.66	-19.92	-15.54	-12.7	-10.04
3/21/10	-24.51	-24.01	-23.52	-23	-22.64	-22.13	-21.5	-20.67	-19.96	-15.58	-12.73	-10.05
3/22/10	-24.46	-24	-23.54	-23.06	-22.66	-22.15	-21.52	-20.69	-19.95	-15.65	-12.77	-10.06
3/23/10	-24.46	-23.96	-23.51	-23.03	-22.66	-22.16	-21.49	-20.7	-19.99	-15.69	-12.81	-10.1
3/24/10	-24.5	-24	-23.55	-23.03	-22.66	-22.16	-21.52	-20.7	-19.99	-15.75	-12.84	-10.1
3/25/10	-24.58	-24.04	-23.58	-23.06	-22.66	-22.16	-21.52	-20.69	-20.02	-15.77	-12.89	-10.12
3/26/10	-24.58	-24.08	-23.59	-23.07	-22.7	-22.2	-21.53	-20.73	-20.03	-15.81	-12.92	-10.16
3/27/10	-24.45	-24.03	-23.58	-23.1	-22.69	-22.19	-21.55	-20.73	-20.05	-15.84	-12.98	-10.16
3/28/10	-24.1	-23.87	-23.49	-23.05	-22.69	-22.22	-21.55	-20.75	-20.08	-15.87	-12.99	-10.17
3/29/10	-23.29	-23.4	-23.25	-22.92	-22.63	-22.2	-21.6	-20.77	-20.09	-15.93	-13.04	-10.19
3/30/10	-22.62	-22.84	-22.84	-22.62	-22.44	-22.08	-21.55	-20.76	-20.12	-15.95	-13.06	-10.21
3/31/10	-22.37	-22.48	-22.48	-22.33	-22.26	-21.94	-21.45	-20.69	-20.12	-15.98	-13.12	-10.21
4/1/10	-22.12	-22.27	-22.23	-22.12	-22.02	-21.77	-21.32	-20.63	-20.09	-16.02	-13.15	-10.25
4/2/10	-21.9	-22	-22	-21.93	-21.86	-21.62	-21.2	-20.55	-20.05	-16.07	-13.19	-10.26
4/3/10	-21.81	-21.84	-21.84	-21.74	-21.7	-21.49	-21.07	-20.46	-19.99	-16.11	-13.21	-10.27
4/4/10	-21.58	-21.69	-21.69	-21.58	-21.55	-21.34	-20.96	-20.38	-19.98	-16.12	-13.25	-10.28
4/5/10	-21.59	-21.59	-21.55	-21.45	-21.41	-21.24	-20.86	-20.29	-19.89	-16.16	-13.31	-10.32
4/6/10	-21.52	-21.52	-21.45	-21.35	-21.28	-21.11	-20.77	-20.19	-19.86	-16.2	-13.35	-10.33
4/7/10	-21.34	-21.37	-21.34	-21.23	-21.2	-21.03	-20.65	-20.11	-19.81	-16.21	-13.39	-10.36
4/8/10	-21.27	-21.27	-21.24	-21.14	-21.1	-20.9	-20.56	-20.02	-19.75	-16.22	-13.4	-10.37
4/9/10	-21.18	-21.21	-21.14	-21.04	-21.01	-20.83	-20.5	-19.96	-19.66	-16.23	-13.43	-10.38
4/10/10	-21.03	-21.07	-21.03	-20.93	-20.9	-20.76	-20.42	-19.89	-19.62	-16.25	-13.48	-10.4
4/11/10	-20.94	-20.97	-20.94	-20.83	-20.8	-20.63	-20.33	-19.83	-19.56	-16.26	-13.49	-10.41
4/12/10	-20.82	-20.85	-20.85	-20.75	-20.72	-20.58	-20.28	-19.78	-19.52	-16.3	-13.53	-10.44
4/13/10	-20.83	-20.8	-20.76	-20.66	-20.63	-20.49	-20.19	-19.69	-19.46	-16.31	-13.57	-10.46
4/14/10	-20.71	-20.74	-20.71	-20.6	-20.57	-20.4	-20.1	-19.64	-19.41	-16.3	-13.58	-10.47

LRD LANDFILL THERMISTOR DATA - #LRD2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.00 M	TH2_10 5.00 M	TH2_11 7.00 M	TH2_12 11.0 M
4/15/10	-20.32	-20.52	-20.55	-20.48	-20.48	-20.32	-20.02	-19.55	-19.36	-16.31	-13.63	-10.49
4/16/10	-19.65	-20.08	-20.28	-20.31	-20.35	-20.25	-19.95	-19.49	-19.29	-16.31	-13.65	-10.48
4/17/10	-19.12	-19.61	-19.88	-20.01	-20.14	-20.07	-19.84	-19.42	-19.25	-16.33	-13.68	-10.53
4/18/10	-18.81	-19.26	-19.55	-19.75	-19.91	-19.91	-19.72	-19.32	-19.19	-16.34	-13.71	-10.54
4/19/10	-18.58	-19	-19.29	-19.48	-19.68	-19.71	-19.58	-19.19	-19.12	-16.33	-13.73	-10.56
4/20/10	-18.45	-18.83	-19.08	-19.28	-19.51	-19.54	-19.41	-19.08	-19.05	-16.36	-13.75	-10.58
4/21/10	-18.36	-18.68	-18.93	-19.12	-19.32	-19.38	-19.25	-18.93	-18.93	-16.33	-13.79	-10.59
4/22/10	-18.2	-18.55	-18.77	-18.96	-19.16	-19.22	-19.09	-18.8	-18.87	-16.33	-13.79	-10.61
4/23/10	-17.86	-18.3	-18.59	-18.78	-19	-19.07	-18.97	-18.68	-18.75	-16.34	-13.82	-10.62
4/24/10	-17.5	-18	-18.34	-18.6	-18.82	-18.91	-18.82	-18.56	-18.66	-16.32	-13.83	-10.63
4/25/10	-17.1	-17.69	-18.06	-18.37	-18.66	-18.75	-18.69	-18.44	-18.56	-16.32	-13.86	-10.66
4/26/10	-16.74	-17.35	-17.78	-18.12	-18.44	-18.56	-18.53	-18.31	-18.47	-16.29	-13.89	-10.66
4/27/10	-16.37	-17.03	-17.48	-17.82	-18.2	-18.36	-18.36	-18.14	-18.36	-16.28	-13.9	-10.7
4/28/10	-16.01	-16.69	-17.21	-17.57	-17.95	-18.13	-18.2	-18.01	-18.23	-16.27	-13.9	-10.7
4/29/10	-15.67	-16.38	-16.89	-17.35	-17.72	-17.97	-18	-17.87	-18.12	-16.26	-13.95	-10.74
4/30/10	-15.5	-16.14	-16.65	-17.07	-17.5	-17.75	-17.81	-17.69	-18	-16.23	-13.95	-10.74
5/1/10	-15.44	-15.99	-16.44	-16.86	-17.29	-17.53	-17.62	-17.53	-17.87	-16.2	-13.97	-10.76
5/2/10	-15.4	-15.93	-16.31	-16.7	-17.1	-17.34	-17.47	-17.37	-17.74	-16.2	-14	-10.76
5/3/10	-15.38	-15.85	-16.2	-16.59	-16.95	-17.19	-17.32	-17.23	-17.62	-16.14	-14	-10.79
5/4/10	-15.3	-15.77	-16.12	-16.48	-16.84	-17.05	-17.17	-17.08	-17.51	-16.15	-14.01	-10.8
5/5/10	-15.1	-15.62	-16	-16.36	-16.72	-16.93	-17.02	-16.96	-17.39	-16.12	-14.01	-10.83
5/6/10	-14.83	-15.41	-15.85	-16.24	-16.6	-16.81	-16.93	-16.84	-17.26	-16.09	-14.04	-10.85
5/7/10	-14.66	-15.23	-15.67	-16.05	-16.44	-16.68	-16.8	-16.74	-17.16	-16.05	-14.06	-10.87
5/8/10	-14.52	-15.06	-15.5	-15.91	-16.29	-16.53	-16.65	-16.62	-17.05	-16	-14.03	-10.87
5/9/10	-14.41	-14.92	-15.36	-15.74	-16.12	-16.39	-16.54	-16.48	-16.93	-15.97	-14.04	-10.88
5/10/10	-14.21	-14.78	-15.21	-15.59	-16	-16.27	-16.39	-16.36	-16.84	-15.94	-14.04	-10.91
5/11/10	-14.01	-14.58	-15.04	-15.45	-15.86	-16.09	-16.27	-16.24	-16.72	-15.89	-14.07	-10.91
5/12/10	-13.86	-14.43	-14.89	-15.29	-15.7	-15.96	-16.14	-16.11	-16.62	-15.85	-14.06	-10.92
5/13/10	-13.72	-14.29	-14.71	-15.15	-15.55	-15.85	-15.99	-15.99	-16.5	-15.79	-14.06	-10.95
5/14/10	-13.62	-14.15	-14.58	-15.01	-15.41	-15.68	-15.85	-15.88	-16.39	-15.77	-14.07	-10.96
5/15/10	-13.48	-14.02	-14.44	-14.87	-15.28	-15.54	-15.74	-15.74	-16.28	-15.72	-14.05	-10.97
5/16/10	-13.21	-13.83	-14.31	-14.74	-15.17	-15.43	-15.64	-15.64	-16.17	-15.66	-14.05	-11
5/17/10	-12.8	-13.52	-14.08	-14.57	-15.02	-15.31	-15.49	-15.52	-16.08	-15.63	-14.05	-11
5/18/10	-12.37	-13.17	-13.79	-14.32	-14.84	-15.16	-15.36	-15.42	-15.98	-15.59	-14.07	-11.02
5/19/10	-12.15	-12.89	-13.5	-14.09	-14.61	-14.95	-15.21	-15.3	-15.88	-15.56	-14.07	-11.04
5/20/10	-12.05	-12.74	-13.32	-13.88	-14.41	-14.79	-15.05	-15.13	-15.77	-15.51	-14.07	-11.05
5/21/10	-11.94	-12.62	-13.18	-13.71	-14.24	-14.61	-14.9	-14.99	-15.65	-15.48	-14.07	-11.07
5/22/10	-11.78	-12.46	-13.01	-13.57	-14.07	-14.44	-14.73	-14.87	-15.51	-15.42	-14.05	-11.08
5/23/10	-11.6	-12.28	-12.83	-13.38	-13.92	-14.26	-14.57	-14.71	-15.38	-15.35	-14.03	-11.09
5/24/10	-11.32	-12.08	-12.68	-13.23	-13.76	-14.13	-14.44	-14.59	-15.28	-15.31	-14.02	-11.1
5/25/10	-11.03	-11.81	-12.44	-13.04	-13.6	-13.97	-14.28	-14.45	-15.14	-15.25	-13.99	-11.14
5/26/10	-10.77	-11.58	-12.2	-12.83	-13.41	-13.81	-14.14	-14.31	-15.03	-15.2	-14	-11.14
5/27/10	-10.48	-11.31	-11.99	-12.64	-13.22	-13.64	-13.98	-14.18	-14.92	-15.15	-13.98	-11.15
5/28/10	-10.19	-11.04	-11.74	-12.42	-13.03	-13.45	-13.84	-14.03	-14.8	-15.09	-13.98	-11.17
5/29/10	-9.87	-10.77	-11.47	-12.18	-12.83	-13.25	-13.64	-13.87	-14.66	-15.06	-13.95	-11.17
5/30/10	-9.55	-10.45	-11.23	-11.96	-12.61	-13.06	-13.47	-13.72	-14.52	-14.98	-13.95	-11.17
5/31/10	-9.24	-10.19	-10.96	-11.72	-12.4	-12.86	-13.31	-13.56	-14.4	-14.95	-13.95	-11.2
6/1/10	-8.96	-9.91	-10.68	-11.46	-12.16	-12.65	-13.12	-13.4	-14.24	-14.87	-13.93	-11.19
6/2/10	-8.59	-9.59	-10.41	-11.21	-11.94	-12.46	-12.93	-13.23	-14.13	-14.84	-13.9	-11.21
6/3/10	-8.22	-9.27	-10.14	-10.96	-11.75	-12.26	-12.76	-13.06	-13.98	-14.78	-13.9	-11.23
6/4/10	-7.85	-8.92	-9.82	-10.7	-11.47	-12.04	-12.56	-12.89	-13.84	-14.72	-13.9	-11.23
6/5/10	-7.57	-8.64	-9.53	-10.43	-11.24	-11.8	-12.38	-12.73	-13.7	-14.67	-13.87	-11.26
6/6/10	-7.32	-8.41	-9.27	-10.2	-11	-11.59	-12.13	-12.54	-13.54	-14.58	-13.85	-11.27
6/7/10	-7.09	-8.15	-9.06	-9.96	-10.81	-11.35	-11.94	-12.35	-13.37	-14.53	-13.82	-11.27
6/8/10	-6.766	-7.88	-8.82	-9.74	-10.56	-11.15	-11.77	-12.18	-13.25	-14.46	-13.81	-11.29
6/9/10	-6.465	-7.58	-8.51	-9.48	-10.33	-10.92	-11.56	-12	-13.07	-14.39	-13.76	-11.27
6/10/10	-6.187	-7.32	-8.29	-9.23	-10.1	-10.71	-11.35	-11.81	-12.91	-14.31	-13.77	-11.3
6/11/10	-5.852	-7.04	-8	-8.99	-9.86	-10.5	-11.14	-11.62	-12.74	-14.25	-13.71	-11.3
6/12/10	-5.502	-6.713	-7.72	-8.74	-9.63	-10.27	-10.96	-11.44	-12.58	-14.17	-13.69	-11.28
6/13/10	-5.147	-6.409	-7.44	-8.48	-9.4	-10.04	-10.75	-11.26	-12.43	-14.13	-13.68	-11.32
6/14/10	-4.879	-6.113	-7.17	-8.24	-9.15	-9.84	-10.53	-11.06	-12.25	-14.03	-13.66	-11.33
6/15/10	-4.628	-5.862	-6.919	-7.96	-8.9	-9.58	-10.35	-10.85	-12.09	-13.97	-13.64	-11.33
6/16/10	-4.115	-5.502	-6.635	-7.7	-8.66	-9.34	-10.11	-10.67	-11.93	-13.89	-13.58	-11.33
6/17/10	-3.838	-5.199	-6.305	-7.44	-8.4	-9.11	-9.9	-10.46	-11.74	-13.81	-13.56	-11.34
6/18/10	-3.529	-4.889	-6.02	-7.13	-8.14	-8.87	-9.69	-10.27	-11.58	-13.72	-13.56	-11.34
6/19/10	-3.217	-4.577	-5.708	-6.868	-7.88	-8.61	-9.45	-10.05	-11.39	-13.64	-13.53	-11.36
6/20/10	-2.941	-4.3	-5.404	-6.589	-7.6	-8.35	-9.21	-9.85	-11.2	-13.56	-13.47	-11.37

LRD LANDFILL THERMISTOR DATA - #LRD2

Bulb Depth	TH2_1 0.75 M	TH2_2 1.00 M	TH2_3 1.25 M	TH2_4 1.50 M	TH2_5 1.75 M	TH2_6 2.00 M	TH2_7 2.25 M	TH2_8 2.50 M	TH2_9 3.00 M	TH2_10 5.00 M	TH2_11 7.00 M	TH2_12 11.0 M
6/21/10	-2.68	-4.014	-5.118	-6.302	-7.33	-8.09	-8.98	-9.63	-11.01	-13.47	-13.44	-11.36
6/22/10	-2.415	-3.75	-4.879	-6.036	-7.09	-7.85	-8.76	-9.41	-10.85	-13.38	-13.44	-11.36
6/23/10	-2.217	-3.5	-4.629	-5.785	-6.842	-7.59	-8.53	-9.21	-10.64	-13.3	-13.39	-11.36
6/24/10	-1.991	-3.274	-4.377	-5.559	-6.615	-7.36	-8.33	-9	-10.46	-13.22	-13.36	-11.37
6/25/10	-1.798	-3.055	-4.158	-5.338	-6.393	-7.14	-8.1	-8.78	-10.25	-13.09	-13.29	-11.38
6/26/10	-1.543	-2.852	-3.929	-5.109	-6.163	-6.937	-7.87	-8.57	-10.07	-13.01	-13.26	-11.35
6/27/10	-1.257	-2.618	-3.721	-4.901	-5.954	-6.727	-7.68	-8.41	-9.88	-12.93	-13.23	-11.37
6/28/10	-0.975	-2.362	-3.49	-4.695	-5.749	-6.521	-7.5	-8.2	-9.72	-12.84	-13.18	-11.37
6/29/10	-0.699	-2.138	-3.267	-4.471	-5.55	-6.321	-7.3	-8.03	-9.55	-12.71	-13.15	-11.38
6/30/10	-0.375	-1.891	-3.045	-4.275	-5.327	-6.098	-7.1	-7.85	-9.37	-12.64	-13.11	-11.36
7/1/10	-0.105	-1.674	-2.855	-4.085	-5.137	-5.934	-6.939	-7.69	-9.2	-12.55	-13.07	-11.38
7/2/10	0.101	-1.495	-2.65	-3.88	-4.957	-5.728	-6.758	-7.51	-9.04	-12.46	-13.04	-11.38
7/3/10	0.296	-1.326	-2.481	-3.685	-4.788	-5.532	-6.561	-7.34	-8.87	-12.34	-12.97	-11.36
7/4/10	0.478	-1.171	-2.326	-3.53	-4.633	-5.351	-6.406	-7.18	-8.71	-12.25	-12.94	-11.39
7/5/10	0.672	-1.028	-2.157	-3.362	-4.412	-5.181	-6.209	-6.983	-8.56	-12.13	-12.89	-11.37
7/6/10	0.981	-0.9	-2.03	-3.235	-4.285	-5.029	-6.082	-6.854	-8.41	-12.02	-12.84	-11.37
7/7/10	1.186	-0.801	-1.931	-3.111	-4.162	-4.906	-5.96	-6.758	-8.31	-11.97	-12.82	-11.41
7/8/10	1.222	-0.688	-1.819	-3	-4.025	-4.744	-5.797	-6.595	-8.18	-11.89	-12.79	-11.4
7/9/10	1.173	-0.609	-1.714	-2.895	-3.921	-4.613	-5.667	-6.465	-8.04	-11.8	-12.76	-11.42
7/10/10	1.12	-0.559	-1.64	-2.796	-3.822	-4.515	-5.543	-6.342	-7.92	-11.7	-12.71	-11.43
7/11/10	0.765	-0.527	-1.556	-2.712	-3.714	-4.381	-5.435	-6.233	-7.81	-11.62	-12.68	-11.46
7/12/10	0.499	-0.559	-1.512	-2.616	-3.617	-4.259	-5.312	-6.11	-7.66	-11.54	-12.63	-11.43
7/13/10	0.421	-0.611	-1.486	-2.565	-3.514	-4.156	-5.183	-5.981	-7.53	-11.43	-12.58	-11.43
7/14/10	0.435	-0.571	-1.446	-2.499	-3.423	-4.064	-5.091	-5.862	-7.41	-11.33	-12.53	-11.42

NOTES:

Signifies data deleted as clearly a malfunction indicated by substantial short term change of temperature. Original data is available upon request but has been removed to make graphs easier to read and understand. This normally occurs in spring when must be having a snow melting event.

Signifies the warmest temperature recorded for individual thermistor strings during the calendar year.

LRD LANDFILL THERMISTOR DATA - #LRD3

JULY 21, 2006 - ADJUSTED DEPTH TO REFLECT THERMISTOR NOT FULLY INSERTED IN HOLE SO DO NOT USE DATA PRIOR TO THIS DATE

Bulb Depth	TH3_1 Above Ground	TH3_2 0.2 M	TH3_3 0.45 M	TH3_4 0.70 M	TH3_5 0.95 M	TH3_6 1.20 M	TH3_7 1.45 M	TH3_8 1.70 M	TH3_9 2.20 M	TH3_10 4.20 M	TH3_11 6.20 M	TH3_12 10.2 M
1/1/09	-23.65	-22.98	-22.15	-20.45	-18.93	-17.95	-17.15	-16.36	-14.9	-11.09	-9.2	-8.93
1/2/09	-21.39	-21.39	-21.14	-20.13	-18.88	-18	-17.19	-16.41	-15	-11.21	-9.29	-8.93
1/3/09	-22.61	-21.75	-20.99	-19.78	-18.71	-17.92	-17.21	-16.48	-15.07	-11.27	-9.32	-8.93
1/4/09	-23.45	-22.42	-21.36	-19.84	-18.64	-17.85	-17.17	-16.47	-15.15	-11.37	-9.37	-8.95
1/5/09	-24.24	-23.04	-21.88	-20.1	-18.69	-17.87	-17.16	-16.5	-15.17	-11.48	-9.42	-8.94
1/6/09	-25.64	-24	-22.51	-20.45	-18.9	-17.95	-17.24	-16.54	-15.24	-11.54	-9.45	-8.95
1/7/09	-26.84	-25.16	-23.47	-20.96	-19.16	-18.11	-17.33	-16.6	-15.3	-11.62	-9.5	-8.95
1/8/09	-27.47	-25.8	-24.15	-21.52	-19.52	-18.36	-17.52	-16.72	-15.39	-11.7	-9.56	-8.97
1/9/09	-28.51	-26.61	-24.79	-21.96	-19.87	-18.63	-17.72	-16.86	-15.46	-11.77	-9.62	-8.98
1/10/09	-28.97	-27.29	-25.43	-22.47	-20.24	-18.93	-17.91	-17.08	-15.58	-11.85	-9.65	-8.96
1/11/09	-29.15	-27.51	-25.76	-22.87	-20.61	-19.22	-18.16	-17.26	-15.73	-11.91	-9.71	-8.97
1/12/09	-29.33	-27.77	-26.04	-23.2	-20.92	-19.48	-18.42	-17.45	-15.88	-11.99	-9.76	-8.99
1/13/09	-29.02	-27.69	-26.13	-23.47	-21.17	-19.75	-18.65	-17.7	-16.03	-12.08	-9.82	-9
1/14/09	-29.06	-27.82	-26.29	-23.62	-21.38	-19.98	-18.87	-17.89	-16.21	-12.14	-9.85	-9
1/15/09	-28.7	-27.56	-26.17	-23.69	-21.55	-20.15	-19.06	-18.08	-16.36	-12.22	-9.9	-9
1/16/09	-28.13	-27.22	-26.01	-23.7	-21.66	-20.32	-19.23	-18.24	-16.52	-12.31	-9.96	-9.01
1/17/09	-27.58	-26.9	-25.86	-23.67	-21.75	-20.44	-19.41	-18.41	-16.68	-12.38	-10	-9.03
1/18/09	-26.81	-26.19	-25.34	-23.49	-21.75	-20.57	-19.51	-18.54	-16.83	-12.49	-10.06	-9.02
1/19/09	-25.59	-25.31	-24.72	-23.2	-21.65	-20.55	-19.59	-18.65	-16.97	-12.56	-10.1	-9.07
1/20/09	-24.95	-24.56	-24.06	-22.79	-21.48	-20.55	-19.62	-18.74	-17.06	-12.67	-10.15	-9.06
1/21/09	-25.54	-24.71	-23.9	-22.53	-21.29	-20.44	-19.6	-18.76	-17.2	-12.77	-10.22	-9.08
1/22/09	-26.14	-25.14	-24.12	-22.53	-21.18	-20.33	-19.57	-18.79	-17.22	-12.84	-10.27	-9.07
1/23/09	-26.59	-25.49	-24.39	-22.63	-21.21	-20.33	-19.53	-18.79	-17.31	-12.92	-10.31	-9.07
1/24/09	-26.59	-25.57	-24.5	-22.74	-21.28	-20.36	-19.56	-18.81	-17.34	-13.03	-10.36	-9.09
1/25/09	-25.43	-25.04	-24.37	-22.8	-21.34	-20.42	-19.62	-18.84	-17.43	-13.12	-10.42	-9.1
1/26/09	-23.77	-23.73	-23.47	-22.48	-21.27	-20.42	-19.66	-18.88	-17.46	-13.2	-10.45	-9.1
1/27/09	-23.21	-23.02	-22.77	-21.98	-21.07	-20.32	-19.62	-18.91	-17.52	-13.29	-10.51	-9.13
1/28/09	-23.24	-22.79	-22.43	-21.62	-20.82	-20.21	-19.55	-18.9	-17.55	-13.36	-10.58	-9.14
1/29/09	-24.44	-23.52	-22.75	-21.57	-20.64	-20.07	-19.47	-18.86	-17.57	-13.43	-10.64	-9.16
1/30/09	-25.93	-24.58	-23.44	-21.8	-20.73	-19.99	-19.43	-18.81	-17.59	-13.5	-10.68	-9.17
1/31/09	-27.38	-25.76	-24.3	-22.25	-20.89	-20.07	-19.41	-18.8	-17.6	-13.6	-10.72	-9.18
2/1/09	-28.25	-26.66	-25.11	-22.83	-21.2	-20.21	-19.51	-18.83	-17.6	-13.66	-10.77	-9.2
2/2/09	-27.02	-26.27	-25.26	-23.26	-21.5	-20.47	-19.67	-18.96	-17.66	-13.72	-10.83	-9.21
2/3/09	-27.18	-26.09	-25.05	-23.25	-21.66	-20.66	-19.86	-19.07	-17.74	-13.79	-10.9	-9.22
2/4/09	-28.17	-26.75	-25.4	-23.32	-21.72	-20.75	-19.95	-19.19	-17.82	-13.86	-10.97	-9.23
2/5/09	-28.35	-27.05	-25.72	-23.58	-21.9	-20.86	-20.05	-19.26	-17.92	-13.92	-11	-9.24
2/6/09	-28.84	-27.47	-26.09	-23.84	-22.12	-21.03	-20.18	-19.39	-17.98	-13.97	-11.05	-9.26
2/7/09	-29.33	-27.94	-26.49	-24.14	-22.32	-21.16	-20.31	-19.48	-18.07	-14.03	-11.1	-9.28
2/8/09	-29.61	-28.34	-26.87	-24.45	-22.54	-21.37	-20.45	-19.61	-18.17	-14.11	-11.15	-9.28
2/9/09	-29.89	-28.56	-27.12	-24.72	-22.8	-21.58	-20.61	-19.78	-18.29	-14.17	-11.21	-9.31
2/10/09	-29.66	-28.57	-27.3	-24.92	-22.99	-21.76	-20.79	-19.92	-18.39	-14.23	-11.27	-9.32
2/11/09	-29.12	-28.26	-27.14	-25.01	-23.14	-21.91	-20.97	-20.06	-18.5	-14.3	-11.3	-9.33
2/12/09	-28.31	-27.66	-26.8	-24.94	-23.22	-22.06	-21.11	-20.19	-18.63	-14.36	-11.36	-9.33
2/13/09	-28.84	-27.73	-26.62	-24.81	-23.21	-22.12	-21.2	-20.32	-18.74	-14.43	-11.4	-9.37
2/14/09	-29.47	-28.16	-26.87	-24.84	-23.2	-22.15	-21.27	-20.41	-18.86	-14.48	-11.48	-9.39
2/15/09	-30.17	-28.74	-27.34	-25.08	-23.31	-22.25	-21.33	-20.48	-18.96	-14.57	-11.5	-9.41
2/16/09	-30.79	-29.28	-27.81	-25.39	-23.53	-22.35	-21.47	-20.57	-19.02	-14.65	-11.55	-9.41
2/17/09	-32.01	-30.2	-28.46	-25.78	-23.74	-22.52	-21.6	-20.7	-19.14	-14.72	-11.62	-9.44
2/18/09	-32.57	-30.87	-29.09	-26.23	-24.09	-22.74	-21.74	-20.83	-19.23	-14.78	-11.67	-9.44
2/19/09	-30.01	-29.59	-28.63	-26.44	-24.36	-23.01	-21.96	-20.98	-19.35	-14.86	-11.7	-9.48
2/20/09	-30.4	-29.19	-28.07	-26.12	-24.41	-23.16	-22.14	-21.16	-19.48	-14.94	-11.77	-9.49
2/21/09	-31.03	-29.65	-28.33	-26.12	-24.37	-23.19	-22.21	-21.29	-19.6	-14.99	-11.79	-9.48
2/22/09	-31.52	-30.12	-28.69	-26.32	-24.48	-23.27	-22.32	-21.4	-19.74	-15.08	-11.85	-9.51
2/23/09	-31.37	-30.17	-28.83	-26.53	-24.64	-23.42	-22.43	-21.51	-19.84	-15.14	-11.91	-9.54
2/24/09	-31.38	-30.27	-28.92	-26.62	-24.76	-23.54	-22.54	-21.61	-19.94	-15.23	-11.97	-9.55
2/25/09	-31.28	-30.17	-28.97	-26.74	-24.84	-23.65	-22.65	-21.72	-20.04	-15.29	-11.99	-9.57
2/26/09	-29.49	-29.08	-28.36	-26.64	-24.9	-23.74	-22.74	-21.81	-20.13	-15.37	-12.07	-9.6
2/27/09	-29.35	-28.76	-27.91	-26.34	-24.82	-23.74	-22.81	-21.91	-20.23	-15.45	-12.12	-9.59
2/28/09	-29.02	-28.26	-27.52	-26.09	-24.69	-23.73	-22.84	-21.98	-20.32	-15.54	-12.14	-9.61
3/1/09	-30.35	-29.05	-27.81	-26.03	-24.6	-23.64	-22.83	-22	-20.4	-15.6	-12.2	-9.64
3/2/09	-30.13	-29.25	-28.13	-26.21	-24.65	-23.66	-22.84	-22.01	-20.45	-15.68	-12.25	-9.66
3/3/09	-29.48	-28.75	-27.87	-26.21	-24.73	-23.73	-22.88	-22.05	-20.52	-15.77	-12.31	-9.69
3/4/09	-30.5	-29.24	-28.07	-26.2	-24.72	-23.76	-22.9	-22.11	-20.58	-15.84	-12.37	-9.7
3/5/09	-31.22	-29.88	-28.51	-26.45	-24.83	-23.79	-22.97	-22.14	-20.61	-15.93	-12.42	-9.72
3/6/09	-31.77	-30.45	-29.05	-26.78	-24.99	-23.91	-23.01	-22.21	-20.71	-15.99	-12.48	-9.75
3/7/09	-31.82	-30.6	-29.24	-27.04	-25.19	-24.06	-23.16	-22.29	-20.75	-16.05	-12.54	-9.75

Bulb Depth	TH3_1 Above Ground	TH3_2 0.2 M	TH3_3 0.45 M	TH3_4 0.70 M	TH3_5 0.95 M	TH3_6 1.20 M	TH3_7 1.45 M	TH3_8 1.70 M	TH3_9 2.20 M	TH3_10 4.20 M	TH3_11 6.20 M	TH3_12 10.2 M
3/8/09	-31.72	-30.55	-29.33	-27.16	-25.35	-24.21	-23.27	-22.39	-20.81	-16.14	-12.57	-9.78
3/9/09	-32.57	-31.12	-29.64	-27.32	-25.46	-24.28	-23.37	-22.49	-20.91	-16.22	-12.64	-9.82
3/10/09	-33.14	-31.61	-30.06	-27.58	-25.62	-24.43	-23.48	-22.6	-21.01	-16.28	-12.69	-9.82
3/11/09	-33.5	-32.01	-30.44	-27.88	-25.86	-24.63	-23.59	-22.71	-21.11	-16.34	-12.75	-9.84
3/12/09	-33.56	-32.21	-30.73	-28.15	-26.07	-24.79	-23.79	-22.86	-21.19	-16.4	-12.78	-9.88
3/13/09	-33.3	-32.12	-30.69	-28.29	-26.24	-24.95	-23.94	-22.97	-21.29	-16.47	-12.84	-9.88
3/14/09	-32.63	-31.67	-30.5	-28.34	-26.37	-25.11	-24.07	-23.13	-21.4	-16.53	-12.9	-9.92
3/15/09	-32.17	-31.28	-30.17	-28.21	-26.41	-25.19	-24.18	-23.24	-21.51	-16.62	-12.96	-9.95
3/16/09	-31.58	-30.85	-29.89	-28.08	-26.38	-25.24	-24.26	-23.32	-21.62	-16.69	-12.99	-9.95
3/17/09	-31.38	-30.6	-29.7	-27.9	-26.33	-25.24	-24.3	-23.39	-21.69	-16.75	-13.05	-9.98
3/18/09	-30.8	-30.18	-29.34	-27.78	-26.25	-25.24	-24.3	-23.43	-21.76	-16.81	-13.11	-10.01
3/19/09	-30.94	-29.98	-29.1	-27.55	-26.16	-25.19	-24.33	-23.46	-21.86	-16.9	-13.15	-10.03
3/20/09	-31.23	-30.22	-29.24	-27.55	-26.12	-25.15	-24.33	-23.5	-21.93	-16.96	-13.21	-10.05
3/21/09	-31.33	-30.31	-29.33	-27.55	-26.12	-25.15	-24.33	-23.5	-21.97	-17.05	-13.26	-10.08
3/22/09	-31.72	-30.59	-29.51	-27.68	-26.16	-25.19	-24.37	-23.53	-22	-17.1	-13.32	-10.1
3/23/09	-32.27	-31.02	-29.78	-27.8	-26.24	-25.22	-24.4	-23.6	-22.06	-17.16	-13.36	-10.12
3/24/09	-32.32	-31.22	-30.02	-27.98	-26.36	-25.31	-24.48	-23.64	-22.1	-17.22	-13.4	-10.15
3/25/09	-32.47	-31.32	-30.12	-28.16	-26.49	-25.43	-24.56	-23.72	-22.17	-17.32	-13.45	-10.15
3/26/09	-32.27	-31.27	-30.21	-28.25	-26.62	-25.51	-24.64	-23.8	-22.25	-17.38	-13.51	-10.18
3/27/09	-31.05	-30.56	-29.81	-28.22	-26.67	-25.61	-24.74	-23.89	-22.3	-17.43	-13.56	-10.2
3/28/09	-30.41	-29.89	-29.25	-27.91	-26.54	-25.6	-24.77	-23.92	-22.37	-17.49	-13.64	-10.22
3/29/09	-28.16	-28.51	-28.38	-27.51	-26.41	-25.55	-24.76	-23.96	-22.44	-17.56	-13.68	-10.24
3/30/09	-28.84	-28.18	-27.74	-26.93	-26.1	-25.41	-24.7	-23.96	-22.48	-17.62	-13.73	-10.28
3/31/09	-26.88	-27.3	-27.26	-26.62	-25.84	-25.2	-24.58	-23.92	-22.52	-17.69	-13.77	-10.3
4/1/09	-24.77	-25.48	-25.97	-25.93	-25.48	-25.08	-24.46	-23.81	-22.52	-17.75	-13.83	-10.33
4/2/09	-25.3	-25.26	-25.38	-25.26	-24.99	-24.71	-24.29	-23.72	-22.5	-17.82	-13.86	-10.36
4/3/09	-25.62	-25.38	-25.3	-25.02	-24.71	-24.44	-24.05	-23.56	-22.43	-17.88	-13.94	-10.38
4/4/09	-26.67	-26.01	-25.57	-25.01	-24.54	-24.23	-23.89	-23.4	-22.37	-17.93	-13.98	-10.39
4/5/09	-27.43	-26.63	-26.01	-25.13	-24.5	-24.11	-23.74	-23.29	-22.3	-17.99	-14.04	-10.41
4/6/09	-27.02	-26.64	-26.19	-25.34	-24.55	-24.09	-23.67	-23.23	-22.21	-18.04	-14.08	-10.46
4/7/09	-27.06	-26.6	-26.14	-25.33	-24.59	-24.12	-23.67	-23.18	-22.17	-18.06	-14.13	-10.48
4/8/09	-27.27	-26.72	-26.22	-25.33	-24.58	-24.08	-23.63	-23.14	-22.16	-18.12	-14.19	-10.5
4/9/09	-26.77	-26.52	-26.15	-25.34	-24.55	-24.06	-23.6	-23.12	-22.1	-18.13	-14.23	-10.51
4/10/09	-25.79	-25.83	-25.67	-25.19	-24.53	-24.03	-23.57	-23.09	-22.11	-18.17	-14.27	-10.55
4/11/09	-24.27	-24.65	-24.93	-24.77	-24.34	-23.96	-23.51	-23.06	-22.12	-18.22	-14.34	-10.57
4/12/09	-26.3	-25.53	-25.01	-24.43	-24.04	-23.78	-23.4	-23	-22.06	-18.21	-14.36	-10.61
4/13/09	-26.27	-25.78	-25.34	-24.59	-24.02	-23.64	-23.3	-22.9	-22.03	-18.26	-14.43	-10.62
4/14/09	-25.63	-25.43	-25.23	-24.64	-24.02	-23.61	-23.24	-22.83	-21.97	-18.3	-14.46	-10.66
4/15/09	-25.27	-25.11	-24.91	-24.52	-23.95	-23.57	-23.2	-22.79	-21.93	-18.3	-14.49	-10.66
4/16/09	-24.76	-24.72	-24.65	-24.3	-23.84	-23.5	-23.17	-22.77	-21.9	-18.34	-14.56	-10.69
4/17/09	-22.53	-23.38	-23.9	-23.98	-23.67	-23.41	-23.08	-22.71	-21.89	-18.36	-14.58	-10.72
4/18/09	-21.95	-22.49	-23	-23.33	-23.33	-23.26	-23.04	-22.63	-21.85	-18.35	-14.63	-10.76
4/19/09	-22.02	-22.23	-22.63	-22.92	-22.99	-22.99	-22.81	-22.52	-21.77	-18.37	-14.65	-10.78
4/20/09	-21.64	-22.06	-22.42	-22.67	-22.74	-22.78	-22.63	-22.38	-21.71	-18.41	-14.69	-10.79
4/21/09	-20.64	-21.26	-21.92	-22.35	-22.49	-22.56	-22.49	-22.24	-21.64	-18.42	-14.75	-10.82
4/22/09	-20.14	-20.71	-21.4	-21.96	-22.21	-22.35	-22.28	-22.1	-21.57	-18.42	-14.78	-10.85
4/23/09	-20.1	-20.54	-21.12	-21.64	-21.92	-22.1	-22.1	-21.92	-21.43	-18.42	-14.81	-10.88
4/24/09	-19.91	-20.31	-20.88	-21.4	-21.71	-21.89	-21.89	-21.78	-21.33	-18.42	-14.87	-10.91
4/25/09	-19.58	-20.07	-20.65	-21.16	-21.47	-21.68	-21.71	-21.64	-21.23	-18.42	-14.9	-10.93
4/26/09	-18.96	-19.58	-20.31	-20.92	-21.26	-21.51	-21.54	-21.47	-21.12	-18.42	-14.93	-10.93
4/27/09	-18.4	-19.16	-19.92	-20.59	-21.03	-21.3	-21.37	-21.3	-20.99	-18.43	-14.96	-10.97
4/28/09	-17.44	-18.47	-19.46	-20.26	-20.76	-21.07	-21.21	-21.17	-20.93	-18.41	-14.97	-11.01
4/29/09	-16.43	-17.47	-18.69	-19.75	-20.45	-20.82	-21	-21	-20.76	-18.4	-15	-11.03
4/30/09	-16.22	-17.07	-18.21	-19.26	-20.08	-20.55	-20.75	-20.82	-20.69	-18.4	-15.08	-11.05
5/1/09	-16.58	-17.06	-17.99	-18.97	-19.75	-20.28	-20.52	-20.62	-20.55	-18.4	-15.08	-11.08
5/2/09	-16.2	-16.98	-17.93	-18.85	-19.53	-20.02	-20.29	-20.46	-20.36	-18.37	-15.12	-11.09
5/3/09	-15.73	-16.53	-17.53	-18.56	-19.3	-19.82	-20.09	-20.22	-20.22	-18.34	-15.14	-11.11
5/4/09	-15.41	-16.33	-17.35	-18.32	-19.08	-19.6	-19.9	-20.06	-20.06	-18.32	-15.15	-11.15
5/5/09	-15.06	-15.91	-16.95	-18.03	-18.85	-19.4	-19.73	-19.89	-19.92	-18.28	-15.17	-11.17
5/6/09	-15.64	-16.08	-16.86	-17.81	-18.62	-19.2	-19.49	-19.69	-19.79	-18.25	-15.2	-11.19
5/7/09	-15.52	-16.05	-16.86	-17.74	-18.46	-19.01	-19.36	-19.53	-19.66	-18.21	-15.2	-11.22
5/8/09	-15.46	-15.93	-16.71	-17.59	-18.31	-18.85	-19.17	-19.36	-19.49	-18.21	-15.23	-11.24
5/9/09	-15.61	-16.05	-16.74	-17.53	-18.18	-18.69	-19.01	-19.2	-19.36	-18.15	-15.26	-11.27
5/10/09	-15.55	-15.99	-16.67	-17.47	-18.05	-18.56	-18.88	-19.07	-19.23	-18.09	-15.26	-11.3
5/11/09	-15.15	-15.73	-16.5	-17.35	-17.93	-18.44	-18.75	-18.98	-19.11	-18.03	-15.26	-11.33
5/12/09	-14.63	-15.35	-16.23	-17.13	-17.81	-18.31	-18.63	-18.82	-18.98	-18	-15.29	-11.36
5/13/09	-14.12	-14.92	-15.91	-16.9	-17.63	-18.16	-18.48	-18.7	-18.89	-17.97	-15.3	-11.42
5/14/09	-13.67	-14.49	-15.56	-16.63	-17.42	-18	-18.35	-18.57	-18.76	-17.91	-15.3	-11.39
5/15/09	-13.36	-14.15	-15.27	-16.36	-17.2	-17.82	-18.19	-18.41	-18.63	-17.85	-15.3	-11.44
5/16/09	-13.16	-13.89	-14.94	-16.11	-17.01	-17.63	-18.03	-18.28	-18.56	-17.81	-15.32	-11.44
5/17/09	-13.19	-13.84	-14.83	-15.94	-16.84	-17.44	-17.85	-18.13	-18.41	-17.75	-15.32	-11.47
5/18/09	-13	-13.64	-14.66	-15.76	-16.63	-17.29	-17.69	-17.97	-18.32	-17.69	-15.33	-11.5

Bulb	TH3_1	TH3_2	TH3_3	TH3_4	TH3_5	TH3_6	TH3_7	TH3_8	TH3_9	TH3_10	TH3_11	TH3_12
Depth	Above Ground	0.2 M	0.45 M	0.70 M	0.95 M	1.20 M	1.45 M	1.70 M	2.20 M	4.20 M	6.20 M	10.2 M
5/19/09	-11.97	-13.12	-14.39	-15.57	-16.46	-17.12	-17.55	-17.83	-18.14	-17.64	-15.36	-11.51
5/20/09	-11.51	-12.57	-13.91	-15.22	-16.22	-16.94	-17.39	-17.67	-18.04	-17.61	-15.34	-11.56
5/21/09	-10.45	-11.82	-13.36	-14.86	-15.93	-16.71	-17.22	-17.53	-17.93	-17.56	-15.32	-11.57
5/22/09	-9.52	-10.92	-12.61	-14.37	-15.64	-16.49	-17.01	-17.37	-17.8	-17.46	-15.34	-11.57
5/23/09	-10.14	-10.92	-12.3	-13.91	-15.22	-16.19	-16.76	-17.15	-17.64	-17.42	-15.34	-11.62
5/24/09	-10.33	-11.08	-12.27	-13.74	-14.96	-15.89	-16.52	-16.94	-17.46	-17.39	-15.34	-11.62
5/25/09	-9.18	-10.56	-12.04	-13.56	-14.75	-15.67	-16.29	-16.74	-17.29	-17.35	-15.32	-11.63
5/26/09												
5/27/09												
5/28/09												
5/29/09												
5/30/09												
5/31/09												
6/1/09												
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6/5/09												
6/6/09												
6/7/09												
6/8/09												
6/9/09												
6/10/09	-0.791	-1.82	-3.489	-5.569	-7.25	-8.47	-9.38	-10.18	-11.3	-13.04	-12.33	-9.67
6/11/09	-0.668	-1.8	-3.494	-5.625	-7.33	-8.63	-9.6	-10.37	-11.6	-13.52	-12.88	-10.1
6/12/09	0.616	-0.751	-2.55	-4.68	-6.403	-7.7	-8.66	-9.47	-10.69	-12.78	-12.15	-9.47
6/13/09	0.513	-0.906	-2.704	-4.911	-6.584	-7.93	-8.95	-9.76	-11.09	-13.33	-12.8	-10.05
6/14/09	0.694	-0.674	-2.422	-4.654	-6.377	-7.77	-8.82	-9.66	-11.04	-13.5	-12.97	-10.24
6/15/09	0.694	-0.39	-0.648	-0.184	-1.523	-6.971	-8.63	-9.71	-11.23	-13.83	-13.41	-10.64
6/16/09	0.467	-0.127	-0.72	-1.466	-2.904	-5.523	-7.74	-9.21	-11.17	-14.14	-13.8	-11.01
6/17/09	0.539	-0.133	-0.88	-2.037	-3.371	-5.322	-7.23	-8.69	-10.85	-14.2	-13.92	-11.2
6/18/09	0.616	-0.288	-1.343	-2.781	-3.936	-5.502	-7.13	-8.5	-10.69	-14.37	-14.2	-11.5
6/19/09	1.133	-0.133	-1.42	-2.987	-4.167	-5.605	-7.05	-8.35	-10.43	-14.43	-14.37	-11.66
6/20/09	1.957	0.377	-1.22	-2.941	-4.095	-5.533	-6.924	-8.09	-10.16	-14.35	-14.37	-11.72
6/21/09	1.99	0.797	-0.751	-2.473	-3.653	-5.116	-6.455	-7.59	-9.55	-13.83	-14	-11.44
6/22/09	2.64	1.393	-0.288	-2.114	-3.294	-4.731	-6.068	-7.2	-9.11	-13.47	-13.72	-11.23
6/23/09	2.796	1.729	0.176	-1.627	-2.834	-4.27	-5.555	-6.636	-8.56	-12.94	-13.33	-10.91
6/24/09	2.739	1.698	0.249	-1.554	-2.684	-4.094	-5.404	-6.485	-8.38	-12.86	-13.39	-10.99
6/25/09	3.265	2.117	0.51	-1.371	-2.552	-3.912	-5.17	-6.302	-8.11	-12.7	-13.33	-11.01
6/26/09	3.646	2.393	0.681	-1.226	-2.433	-3.793	-5.024	-6.104	-7.94	-12.57	-13.28	-11.05
6/27/09	4.243	2.882	0.934	-1.103	-2.336	-3.746	-4.978	-6.031	-7.87	-12.57	-13.4	-11.19
6/28/09	4.04	2.915	1.07	-1.045	-2.33	-3.715	-4.998	-6.078	-7.89	-12.65	-13.59	-11.45
6/29/09	4.867	3.24	1.29	-0.826	-2.111	-3.521	-4.803	-5.882	-7.72	-12.49	-13.54	-11.46
6/30/09	5.224	3.777	1.691	-0.686	-2.048	-3.485	-4.767	-5.872	-7.71	-12.54	-13.7	-11.69
7/1/09	4.316	3.476	1.756	-0.494	-1.883	-3.346	-4.654	-5.785	-7.62	-12.48	-13.75	-11.79
7/2/09	3.575	2.791	1.465	-0.421	-1.682	-3.145	-4.428	-5.532	-7.36	-12.29	-13.64	-11.74
7/3/09	3.968	2.921	1.387	-0.474	-1.657	-3.094	-4.351	-5.404	-7.26	-12.23	-13.7	-11.85
7/4/09	3.346	2.589	1.315	-0.442	-1.6	-2.96	-4.218	-5.27	-7.13	-12.12	-13.66	-11.87
7/5/09	2.836	2.315	1.12	-0.508	-1.614	-2.924	-4.13	-5.209	-7.01	-12.06	-13.63	-11.95
7/6/09	2.465	1.867	0.855	-0.59	-1.568	-2.852	-4.033	-5.034	-6.863	-11.87	-13.55	-11.95
7/7/09	2.875	2.042	0.849	-0.622	-1.574	-2.807	-3.961	-4.962	-6.713	-11.74	-13.47	-11.98
7/8/09	2.797	2.172	1.004	-0.571	-1.574	-2.781	-3.884	-4.86	-6.61	-11.6	-13.44	-11.98
7/9/09	1.929	1.773	0.814	-0.632	-1.585	-2.766	-3.87	-4.82	-6.545	-11.54	-13.43	-12.05
7/10/09	1.769	1.327	0.499	-0.636	-1.512	-2.719	-3.797	-4.721	-6.419	-11.38	-13.35	-12.06
7/11/09	2.993	1.821	0.63	-0.686	-1.509	-2.638	-3.69	-4.588	-6.258	-11.21	-13.2	-11.99
7/12/09	2.621	1.97	0.829	-0.642	-1.517	-2.673	-3.699	-4.546	-6.192	-11.12	-13.24	-12.06
7/13/09	2.621	1.945	0.804	-0.616	-1.491	-2.621	-3.648	-4.52	-6.114	-11.01	-13.16	-12.06
7/14/09	2.946	2.035	0.842	-0.577	-1.452	-2.556	-3.557	-4.403	-5.996	-10.88	-13.06	-12.02
7/15/09	3.961	2.758	1.251	-0.454	-1.38	-2.51	-3.51	-4.331	-5.898	-10.73	-12.95	-12.05
7/16/09	5.066	3.725	1.795	-0.248	-1.355	-2.459	-3.459	-4.306	-5.847	-10.67	-12.92	-12.07
7/17/09	4.704	3.574	1.905	-0.139	-1.22	-2.376	-3.402	-4.249	-5.764	-10.59	-12.89	-12.12
7/18/09	4.447	3.372	1.756	-0.081	-1.112	-2.294	-3.32	-4.167	-5.682	-10.48	-12.83	-12.12
7/19/09	4.96	3.594	1.925	0.036	-0.995	-2.177	-3.228	-4.049	-5.564	-10.35	-12.73	-12.07
7/20/09	5.304	3.908	2.159	0.139	-0.918	-2.1	-3.1	-3.998	-5.487	-10.25	-12.68	-12.1
7/21/09	5.357	4.066	2.315	0.294	-0.815	-1.997	-3.023	-3.869	-5.384	-10.17	-12.59	-12.05
7/22/09	4.842	3.896	2.302	0.332	-0.777	-1.934	-2.961	-3.807	-5.348	-10.08	-12.56	-12.09
7/23/09	4.132	3.293	2.016	0.332	-0.7	-1.857	-2.858	-3.705	-5.219	-9.95	-12.48	-12.09
7/24/09	4.047	3.078	1.828	0.3	-0.68	-1.785	-2.787	-3.633	-5.121	-9.85	-12.4	-12.04
7/25/09	5.166	3.745	2.127	0.366	-0.665	-1.745	-2.72	-3.541	-5.028	-9.72	-12.3	-12.02
7/26/09	5.906	4.374	2.543	0.52	-0.589	-1.694	-2.721	-3.49	-4.952	-9.67	-12.24	-12.05
7/27/09	4.997	4.155	2.637	0.613	-0.6	-1.68	-2.656	-3.451	-4.888	-9.58	-12.2	-12.04
7/28/09	3.411	3.359	2.315	0.551	-0.559	-1.64	-2.616	-3.412	-4.849	-9.52	-12.17	-12.06

Bulb	TH3_1	TH3_2	TH3_3	TH3_4	TH3_5	TH3_6	TH3_7	TH3_8	TH3_9	TH3_10	TH3_11	TH3_12
Depth	Above Ground	0.2 M	0.45 M	0.70 M	0.95 M	1.20 M	1.45 M	1.70 M	2.20 M	4.20 M	6.20 M	10.2 M
7/29/09	2.081	2.185	1.587	0.37	-0.533	-1.614	-2.565	-3.36	-4.798	-9.41	-12.08	-12.06
7/30/09	2.149	1.733	1.111	0.154	-0.542	-1.572	-2.522	-3.266	-4.677	-9.31	-12.01	-12.04
7/31/09	2.125	1.839	1.113	0.13	-0.54	-1.544	-2.443	-3.213	-4.599	-9.23	-11.93	-12.01
8/1/09	2.767	2.22	1.337	0.173	-0.497	-1.475	-2.4	-3.144	-4.529	-9.11	-11.82	-11.99
8/2/09	2.801	2.514	1.604	0.31	-0.516	-1.468	-2.367	-3.085	-4.445	-9.02	-11.76	-11.95
8/3/09	3.496	2.79	1.776	0.377	-0.5	-1.426	-2.325	-3.043	-4.377	-8.95	-11.69	-11.91
8/4/09	3.785	3.157	2.01	0.43	-0.447	-1.425	-2.299	-3.017	-4.351	-8.87	-11.64	-11.93
8/5/09	3.817	3.319	2.172	0.538	-0.468	-1.42	-2.268	-2.987	-4.321	-8.79	-11.6	-11.96
8/6/09	4.179	3.419	2.193	0.534	-0.447	-1.425	-2.272	-2.965	-4.248	-8.74	-11.55	-11.96
8/7/09	4.368	3.633	2.328	0.564	-0.442	-1.395	-2.242	-2.961	-4.218	-8.69	-11.52	-11.96
8/8/09	3.608	3.084	2.094	0.539	-0.442	-1.368	-2.242	-2.909	-4.192	-8.61	-11.44	-11.96
8/9/09	4.335	3.365	2.087	0.532	-0.397	-1.349	-2.197	-2.889	-4.121	-8.53	-11.39	-11.93
8/10/09	4.233	3.42	2.168	0.612	-0.394	-1.321	-2.194	-2.836	-4.093	-8.48	-11.34	-11.93
8/11/09	3.582	3.268	2.198	0.642	-0.364	-1.291	-2.113	-2.806	-4.038	-8.4	-11.31	-11.93
8/12/09	2.654	2.627	1.899	0.577	-0.327	-1.254	-2.103	-2.77	-4.002	-8.34	-11.25	-11.92
8/13/09	2.241	2.189	1.591	0.451	-0.349	-1.251	-2.073	-2.741	-3.973	-8.28	-11.16	-11.92
8/14/09	2.075	1.815	1.27	0.313	-0.358	-1.234	-2.056	-2.724	-3.904	-8.21	-11.12	-11.9
8/15/09	2.445	1.977	1.224	0.266	-0.353	-1.229	-2	-2.668	-3.848	-8.13	-11.06	-11.89
8/16/09	3.006	2.224	1.315	0.28	-0.365	-1.189	-1.986	-2.627	-3.807	-8.06	-10.99	-11.85
8/17/09	3.248	2.569	1.581	0.39	-0.333	-1.183	-1.954	-2.596	-3.751	-8	-10.93	-11.82
8/18/09	2.933	2.437	1.579	0.388	-0.309	-1.158	-1.93	-2.572	-3.701	-7.93	-10.88	-11.82
8/19/09	2.68	2.315	1.509	0.396	-0.327	-1.151	-1.923	-2.539	-3.668	-7.87	-10.82	-11.79
8/20/09	2.575	2.081	1.353	0.344	-0.327	-1.126	-1.897	-2.514	-3.643	-7.82	-10.76	-11.76
8/21/09	1.803	1.777	1.232	0.301	-0.319	-1.118	-1.889	-2.48	-3.61	-7.76	-10.7	-11.75
8/22/09	1.363	1.311	0.896	0.172	-0.318	-1.117	-1.863	-2.454	-3.558	-7.73	-10.65	-11.72
8/23/09	0.362	0.673	0.543	0.052	-0.335	-1.108	-1.854	-2.471	-3.524	-7.65	-10.59	-11.72
8/24/09	0.485	0.511	0.279	-0.109	-0.393	-1.114	-1.834	-2.425	-3.504	-7.57	-10.54	-11.7
8/25/09	0.584	0.584	0.299	-0.14	-0.398	-1.119	-1.813	-2.404	-3.457	-7.53	-10.46	-11.67
8/26/09	1.043	0.835	0.396	-0.146	-0.43	-1.1	-1.794	-2.359	-3.412	-7.45	-10.39	-11.65
8/27/09	1.938	1.367	0.694	-0.055	-0.442	-1.111	-1.78	-2.345	-3.371	-7.39	-10.35	-11.6
8/28/09	2.772	2.121	1.186	0.126	-0.416	-1.111	-1.805	-2.319	-3.345	-7.33	-10.29	-11.58
8/29/09	2.419	2.133	1.354	0.267	-0.379	-1.126	-1.768	-2.334	-3.335	-7.3	-10.26	-11.57
8/30/09	2.862	2.237	1.353	0.266	-0.379	-1.1	-1.769	-2.308	-3.309	-7.27	-10.2	-11.57
8/31/09	2.081	1.873	1.25	0.241	-0.353	-1.1	-1.794	-2.308	-3.283	-7.19	-10.15	-11.54
9/1/09	1.795	1.639	1.069	0.189	-0.353	-1.074	-1.743	-2.282	-3.258	-7.14	-10.1	-11.54
9/2/09	1.769	1.51	0.939	0.112	-0.378	-1.099	-1.742	-2.282	-3.232	-7.12	-10.04	-11.51
9/3/09	1.899	1.535	0.913	0.086	-0.379	-1.074	-1.717	-2.257	-3.232	-7.06	-10.02	-11.49
9/4/09	1.496	1.366	0.848	0.098	-0.367	-1.063	-1.706	-2.245	-3.196	-7	-9.96	-11.48
9/5/09	0.698	0.854	0.595	0	-0.387	-1.057	-1.7	-2.24	-3.19	-6.999	-9.93	-11.45
9/6/09	-0.148	0.162	0.136	-0.174	-0.432	-1.051	-1.694	-2.208	-3.159	-6.916	-9.87	-11.44
9/7/09	-0.129	-0.051	-0.129	-0.335	-0.464	-1.083	-1.7	-2.189	-3.139	-6.895	-9.82	-11.42
9/8/09	-0.332	-0.177	-0.228	-0.435	-0.512	-1.105	-1.697	-2.185	-3.11	-6.841	-9.82	-11.39
9/9/09	-0.381	-0.226	-0.303	-0.484	-0.561	-1.128	-1.694	-2.183	-3.082	-6.813	-9.74	-11.36
9/10/09	-0.51	-0.277	-0.329	-0.51	-0.587	-1.128	-1.694	-2.208	-3.082	-6.761	-9.68	-11.36
9/11/09	-1.065	-0.498	-0.42	-0.575	-0.627	-1.142	-1.709	-2.171	-3.045	-6.725	-9.65	-11.35
9/12/09	-1.071	-0.529	-0.4	-0.607	-0.658	-1.174	-1.714	-2.203	-3.025	-6.704	-9.6	-11.3
9/13/09	-1.094	-0.579	-0.45	-0.631	-0.708	-1.197	-1.738	-2.175	-3.049	-6.651	-9.55	-11.28
9/14/09	-0.767	-0.484	-0.458	-0.664	-0.742	-1.231	-1.771	-2.183	-3.005	-6.606	-9.5	-11.28
9/15/09	-0.541	-0.412	-0.438	-0.722	-0.799	-1.263	-1.777	-2.188	-3.01	-6.559	-9.48	-11.23
9/16/09	-0.69	-0.458	-0.484	-0.716	-0.845	-1.308	-1.797	-2.208	-3.005	-6.554	-9.42	-11.23
9/17/09	-0.742	-0.535	-0.51	-0.767	-0.871	-1.334	-1.823	-2.234	-3.005	-6.503	-9.42	-11.2
9/18/09	-1.807	-0.957	-0.673	-0.828	-0.931	-1.395	-1.858	-2.244	-3.015	-6.463	-9.35	-11.19
9/19/09	-2.777	-1.594	-0.924	-0.924	-1.027	-1.44	-1.903	-2.289	-3.034	-6.431	-9.32	-11.18
9/20/09	-2.854	-1.929	-1.208	-1.053	-1.079	-1.517	-1.954	-2.314	-3.06	-6.431	-9.27	-11.16
9/21/09	-3.871	-2.638	-1.608	-1.376	-1.248	-1.608	-2.02	-2.355	-3.049	-6.369	-9.23	-11.15
9/22/09	-4.97	-3.658	-2.244	-1.806	-1.6	-1.754	-2.115	-2.424	-3.067	-6.362	-9.2	-11.12
9/23/09	-4.473	-3.779	-2.674	-2.392	-2.057	-2.212	-2.289	-2.52	-3.111	-6.328	-9.16	-11.1
9/24/09	-4.603	-4.037	-3.035	-2.804	-2.418	-2.598	-2.624	-2.65	-3.164	-6.277	-9.11	-11.08
9/25/09	-5.039	-4.319	-3.317	-3.111	-2.726	-2.88	-2.906	-2.88	-3.24	-6.276	-9.09	-11.05
9/26/09	-5.523	-4.777	-3.646	-3.389	-3.003	-3.183	-3.183	-3.106	-3.337	-6.245	-9.05	-11.05
9/27/09	-5.733	-5.089	-3.906	-3.624	-3.264	-3.418	-3.444	-3.367	-3.47	-6.223	-9.01	-10.99
9/28/09	-5.58	-5.091	-4.088	-3.856	-3.471	-3.625	-3.651	-3.574	-3.548	-6.199	-8.98	-11
9/29/09	-5.606	-5.142	-4.242	-4.036	-3.677	-3.805	-3.831	-3.754	-3.677	-6.199	-8.95	-10.97
9/30/09	-5.482	-5.173	-4.376	-4.17	-3.836	-3.965	-3.99	-3.913	-3.785	-6.204	-8.91	-10.95
10/1/09	-4.792	-4.792	-4.381	-4.278	-3.97	-4.047	-4.073	-4.021	-3.919	-6.157	-8.86	-10.9
10/2/09	-4.715	-4.587	-4.381	-4.33	-4.047	-4.098	-4.124	-4.047	-3.996	-6.183	-8.83	-10.9
10/3/09	-5.219	-4.859	-4.473	-4.396	-4.113	-4.165	-4.191	-4.088	-4.088	-6.173	-8.82	-10.89
10/4/09	-6.318	-5.673	-4.771	-4.54	-4.206	-4.334	-4.36	-4.231	-4.18	-6.189	-8.79	-10.85
10/5/09	-6.421	-5.879	-4.952	-4.72	-4.36	-4.489	-4.489	-4.411	-4.257	-6.189	-8.76	-10.85
10/6/09	-6.577	-6.06	-5.133	-4.875	-4.515	-4.669	-4.669	-4.566	-4.335	-6.189	-8.74	-10.83
10/7/09	-6.379	-6.018	-5.219	-5.013	-4.679	-4.782	-4.808	-4.73	-4.448	-6.199	-8.72	-10.81
10/8/09	-7.93	-6.789	-5.498	-5.137	-4.802	-4.905	-4.931	-4.854	-4.545	-6.22	-8.69	-10.78

Bulb Depth	TH3_1 Above Ground	TH3_2 0.2 M	TH3_3 0.45 M	TH3_4 0.70 M	TH3_5 0.95 M	TH3_6 1.20 M	TH3_7 1.45 M	TH3_8 1.70 M	TH3_9 2.20 M	TH3_10 4.20 M	TH3_11 6.20 M	TH3_12 10.2 M
10/9/09	-9.05	-7.75	-5.906	-5.339	-4.978	-5.133	-5.133	-5.055	-4.643	-6.242	-8.66	-10.75
10/10/09	-9.66	-8.45	-6.298	-5.601	-5.214	-5.395	-5.42	-5.343	-4.751	-6.246	-8.64	-10.76
10/11/09	-9.82	-8.77	-6.582	-5.859	-5.472	-5.678	-5.704	-5.601	-4.854	-6.272	-8.61	-10.73
10/12/09	-10.43	-9.26	-6.909	-6.107	-5.72	-5.952	-5.978	-5.874	-4.972	-6.288	-8.58	-10.69
10/13/09	-9.21	-8.66	-6.964	-6.318	-5.956	-6.163	-6.189	-6.085	-5.106	-6.292	-8.55	-10.67
10/14/09	-9.2	-8.46	-6.981	-6.463	-6.127	-6.282	-6.334	-6.204	-5.25	-6.308	-8.54	-10.66
10/15/09	-9.81	-9.01	-7.24	-6.592	-6.23	-6.385	-6.437	-6.334	-5.353	-6.334	-8.52	-10.63
10/16/09	-9.85	-8.98	-7.33	-6.738	-6.375	-6.531	-6.556	-6.479	-5.498	-6.375	-8.51	-10.62
10/17/09	-11.73	-10.09	-7.72	-6.89	-6.527	-6.682	-6.734	-6.631	-5.596	-6.397	-8.48	-10.59
10/18/09	-12.02	-10.75	-8.13	-7.14	-6.728	-6.961	-6.987	-6.883	-5.72	-6.417	-8.47	-10.59
10/19/09	-12.23	-11.07	-8.45	-7.38	-6.987	-7.25	-7.27	-7.17	-5.874	-6.443	-8.45	-10.56
10/20/09	-11.64	-10.73	-8.51	-7.57	-7.2	-7.44	-7.46	-7.36	-5.988	-6.479	-8.45	-10.54
10/21/09	-12.42	-11.07	-8.71	-7.74	-7.37	-7.56	-7.61	-7.5	-6.131	-6.519	-8.44	-10.53
10/22/09	-12.83	-11.57	-8.99	-7.89	-7.52	-7.73	-7.76	-7.68	-6.252	-6.563	-8.41	-10.5
10/23/09	-13.6	-12	-9.27	-8.09	-7.72	-7.93	-7.96	-7.85	-6.371	-6.579	-8.4	-10.49
10/24/09	-14.12	-12.61	-9.67	-8.33	-7.94	-8.17	-8.17	-8.07	-6.507	-6.636	-8.41	-10.47
10/25/09	-14.28	-12.91	-9.96	-8.53	-8.14	-8.4	-8.4	-8.3	-6.656	-6.656	-8.4	-10.43
10/26/09	-13.78	-12.64	-10.04	-8.72	-8.36	-8.59	-8.59	-8.49	-6.796	-6.718	-8.38	-10.42
10/27/09	-13.89	-12.69	-10.2	-8.88	-8.51	-8.75	-8.75	-8.65	-6.925	-6.77	-8.38	-10.39
10/28/09	-13.86	-12.69	-10.31	-9.01	-8.67	-8.88	-8.88	-8.78	-7.05	-6.796	-8.36	-10.39
10/29/09	-14.54	-13.13	-10.57	-9.16	-8.82	-9.03	-9.03	-8.92	-7.2	-6.838	-8.37	-10.38
10/30/09	-15.23	-13.77	-10.94	-9.35	-8.98	-9.21	-9.21	-9.11	-7.33	-6.889	-8.37	-10.35
10/31/09	-15.46	-14	-11.21	-9.56	-9.19	-9.43	-9.43	-9.32	-7.46	-6.941	-8.37	-10.35
11/1/09	-16.22	-14.59	-11.58	-9.76	-9.42	-9.65	-9.65	-9.52	-7.61	-6.984	-8.34	-10.32
11/2/09	-17.66	-15.56	-12.16	-10.03	-9.66	-9.93	-9.9	-9.8	-7.74	-7.04	-8.37	-10.3
11/3/09	-19.05	-16.8	-12.96	-10.4	-10	-10.32	-10.29	-10.16	-7.92	-7.11	-8.36	-10.29
11/4/09	-19.03	-17.24	-13.56	-10.82	-10.44	-10.76	-10.74	-10.63	-8.12	-7.16	-8.36	-10.26
11/5/09	-19.42	-17.67	-14.04	-11.22	-10.87	-11.17	-11.14	-11.03	-8.33	-7.23	-8.36	-10.26
11/6/09	-18.93	-17.49	-14.24	-11.55	-11.2	-11.49	-11.47	-11.33	-8.54	-7.29	-8.36	-10.23
11/7/09	-17.79	-16.96	-14.29	-11.79	-11.46	-11.71	-11.74	-11.6	-8.78	-7.34	-8.38	-10.23
11/8/09	-17.97	-16.95	-14.37	-12	-11.67	-11.86	-11.89	-11.78	-9	-7.41	-8.37	-10.19
11/9/09	-18.74	-17.33	-14.69	-12.17	-11.85	-11.98	-12.01	-11.93	-9.2	-7.47	-8.38	-10.2
11/10/09	-19.48	-18.04	-15.23	-12.41	-12.03	-12.16	-12.16	-12.08	-9.37	-7.56	-8.4	-10.17
11/11/09	-18.31	-17.47	-15.26	-12.66	-12.27	-12.3	-12.33	-12.24	-9.56	-7.64	-8.4	-10.14
11/12/09	-17.36	-16.81	-15.06	-12.8	-12.47	-12.39	-12.36	-12.25	-9.73	-7.73	-8.41	-10.12
11/13/09	-16.24	-15.89	-14.64	-12.89	-12.65	-12.43	-12.34	-12.21	-9.92	-7.82	-8.42	-10.11
11/14/09	-15.45	-15.19	-14.27	-12.9	-12.65	-12.37	-12.26	-12.07	-10.05	-7.9	-8.45	-10.11
11/15/09	-14.28	-14.25	-13.77	-12.82	-12.57	-12.33	-12.13	-11.92	-10.17	-7.98	-8.45	-10.09
11/16/09	-13.22	-13.44	-13.24	-12.66	-12.39	-12.14	-12.01	-11.76	-10.26	-8.07	-8.46	-10.07
11/17/09	-12.71	-12.63	-12.68	-12.43	-12.19	-12	-11.86	-11.59	-10.33	-8.19	-8.48	-10.06
11/18/09	-13.86	-13.22	-12.8	-12.34	-11.98	-11.82	-11.68	-11.41	-10.36	-8.28	-8.51	-10.04
11/19/09	-16.16	-14.78	-13.64	-12.42	-11.96	-11.74	-11.55	-11.33	-10.39	-8.36	-8.54	-10.05
11/20/09	-17.76	-16.21	-14.69	-12.77	-12.22	-11.86	-11.59	-11.38	-10.38	-8.45	-8.56	-10.01
11/21/09	-18.42	-17.24	-15.62	-13.25	-12.61	-12.09	-11.77	-11.52	-10.42	-8.54	-8.57	-10.02
11/22/09	-18.15	-17.29	-15.99	-13.72	-13.02	-12.41	-12	-11.67	-10.49	-8.64	-8.61	-10.01
11/23/09	-17.81	-17.13	-16.11	-14.14	-13.21	-12.66	-12.22	-11.75	-10.59	-8.69	-8.64	-9.98
11/24/09	-16.69	-16.45	-15.86	-14.41	-13.45	-12.84	-12.37	-11.85	-10.72	-8.79	-8.65	-9.97
11/25/09	-16.09	-15.76	-15.35	-14.37	-13.53	-12.94	-12.45	-11.93	-10.84	-8.86	-8.67	-9.96
11/26/09	-15.88	-15.53	-15.12	-14.23	-13.5	-12.97	-12.47	-11.95	-10.95	-8.91	-8.7	-9.94
11/27/09	-15.54	-15.27	-14.93	-14.16	-13.42	-12.95	-12.51	-11.99	-11.04	-9	-8.73	-9.95
11/28/09	-15.04	-14.78	-14.58	-13.98	-13.36	-12.92	-12.51	-12.01	-11.12	-9.07	-8.78	-9.94
11/29/09	-15.44	-14.95	-14.55	-13.84	-13.25	-12.86	-12.5	-12.06	-11.17	-9.14	-8.8	-9.94
11/30/09	-16.37	-15.61	-14.94	-13.94	-13.24	-12.82	-12.49	-12.05	-11.23	-9.21	-8.84	-9.92
12/1/09	-17.07	-16.26	-15.49	-14.25	-13.38	-12.91	-12.52	-12.08	-11.27	-9.29	-8.87	-9.9
12/2/09	-17.08	-16.51	-15.82	-14.57	-13.58	-13.05	-12.61	-12.14	-11.33	-9.36	-8.91	-9.88
12/3/09	-16.93	-16.47	-15.88	-14.74	-13.78	-13.22	-12.75	-12.25	-11.38	-9.41	-8.93	-9.88
12/4/09	-15.77	-15.74	-15.48	-14.7	-13.87	-13.34	-12.84	-12.34	-11.47	-9.47	-8.94	-9.87
12/5/09	-16.34	-15.48	-15.05	-14.42	-13.82	-13.37	-12.93	-12.43	-11.56	-9.55	-8.99	-9.87
12/6/09	-18.8	-17.29	-16.09	-14.6	-13.75	-13.33	-12.94	-12.47	-11.65	-9.61	-9.03	-9.88
12/7/09	-20.73	-18.95	-17.4	-15.28	-14.07	-13.48	-12.98	-12.51	-11.69	-9.67	-9.07	-9.86
12/8/09	-23.02	-20.93	-18.94	-16.18	-14.6	-13.81	-13.19	-12.63	-11.76	-9.74	-9.11	-9.85
12/9/09	-24.3	-22.37	-20.28	-17.12	-15.27	-14.26	-13.5	-12.83	-11.84	-9.79	-9.11	-9.85
12/10/09	-25.43	-23.34	-21.26	-17.97	-15.96	-14.82	-13.91	-13.15	-12.01	-9.86	-9.17	-9.86
12/11/09	-26.45	-24.45	-22.28	-18.8	-16.62	-15.34	-14.36	-13.48	-12.21	-9.91	-9.2	-9.83
12/12/09	-26.34	-24.81	-22.91	-19.52	-17.27	-15.92	-14.81	-13.84	-12.44	-9.98	-9.24	-9.82
12/13/09	-26.21	-24.81	-23.14	-20.02	-17.83	-16.43	-15.27	-14.24	-12.69	-10.04	-9.27	-9.83
12/14/09	-24.68	-24.02	-22.87	-20.28	-18.23	-16.84	-15.68	-14.61	-12.94	-10.1	-9.3	-9.83
12/15/09	-22.69	-22.44	-21.76	-20.05	-18.37	-17.16	-16.01	-14.93	-13.23	-10.19	-9.31	-9.81
12/16/09	-21.97	-21.55	-20.96	-19.55	-18.23	-17.21	-16.18	-15.18	-13.47	-10.26	-9.35	-9.8
12/17/09	-21.52	-21.1	-20.49	-19.2	-18.05	-17.16	-16.25	-15.34	-13.68	-10.35	-9.39	-9.81
12/18/09	-21.51	-20.89	-20.21	-18.93	-17.89	-17.09	-16.27	-15.42	-13.84	-10.44	-9.43	-9.8
12/19/09	-20.77	-20.56	-20.06	-18.82	-17.75	-17.01	-16.26	-15.46	-13.97	-10.54	-9.45	-9.82

Bulb Depth	TH3_1 Above Ground	TH3_2 0.2 M	TH3_3 0.45 M	TH3_4 0.70 M	TH3_5 0.95 M	TH3_6 1.20 M	TH3_7 1.45 M	TH3_8 1.70 M	TH3_9 2.20 M	TH3_10 4.20 M	TH3_11 6.20 M	TH3_12 10.2 M
12/20/09	-19.47	-19.47	-19.27	-18.54	-17.63	-16.95	-16.26	-15.49	-14.09	-10.62	-9.48	-9.8
12/21/09	-20.61	-19.67	-19.05	-18.13	-17.42	-16.84	-16.21	-15.53	-14.17	-10.76	-9.53	-9.8
12/22/09	-22.52	-21.08	-19.86	-18.25	-17.28	-16.7	-16.13	-15.49	-14.22	-10.85	-9.57	-9.81
12/23/09	-22.6	-21.54	-20.44	-18.63	-17.44	-16.74	-16.14	-15.49	-14.25	-10.94	-9.61	-9.79
12/24/09	-24.73	-22.84	-21.24	-19	-17.67	-16.9	-16.21	-15.53	-14.32	-11.03	-9.66	-9.79
12/25/09	-23.09	-22.47	-21.48	-19.45	-17.98	-17.09	-16.33	-15.62	-14.38	-11.11	-9.67	-9.8
12/26/09	-22.08	-21.69	-21.03	-19.49	-18.18	-17.31	-16.52	-15.78	-14.47	-11.2	-9.73	-9.81
12/27/09	-22.56	-21.6	-20.77	-19.34	-18.19	-17.41	-16.65	-15.9	-14.56	-11.29	-9.76	-9.79
12/28/09	-22.79	-21.93	-21.02	-19.38	-18.19	-17.45	-16.72	-16	-14.66	-11.38	-9.8	-9.8
12/29/09	-24.54	-22.99	-21.59	-19.62	-18.34	-17.52	-16.79	-16.1	-14.78	-11.44	-9.85	-9.8
12/30/09	-25.44	-23.92	-22.37	-20.05	-18.58	-17.7	-16.93	-16.18	-14.86	-11.54	-9.9	-9.82
12/31/09	-26.95	-25.07	-23.27	-20.61	-18.92	-17.94	-17.1	-16.35	-14.96	-11.6	-9.94	-9.8
1/1/10	-27.13	-25.81	-24.15	-21.24	-19.36	-18.27	-17.33	-16.51	-15.1	-11.68	-9.98	-9.8
1/2/10	-26.18	-25.25	-24	-21.63	-19.82	-18.65	-17.65	-16.73	-15.25	-11.77	-10.02	-9.8
1/3/10	-25.15	-24.6	-23.68	-21.65	-20.04	-18.93	-17.92	-16.99	-15.42	-11.84	-10.09	-9.83
1/4/10	-26.01	-24.69	-23.5	-21.55	-20.12	-19.06	-18.11	-17.18	-15.59	-11.92	-10.11	-9.82
1/5/10	-26.51	-25.37	-24.04	-21.73	-20.19	-19.17	-18.24	-17.34	-15.74	-12.01	-10.17	-9.83
1/6/10	-27.93	-26.19	-24.59	-22.1	-20.43	-19.37	-18.41	-17.5	-15.9	-12.09	-10.23	-9.83
1/7/10	-28.83	-27.16	-25.43	-22.57	-20.71	-19.57	-18.6	-17.69	-16.05	-12.18	-10.26	-9.83
1/8/10	-29.41	-27.85	-26.11	-23.12	-21.15	-19.9	-18.85	-17.87	-16.19	-12.25	-10.31	-9.83
1/9/10	-29.84	-28.24	-26.53	-23.6	-21.54	-20.27	-19.15	-18.09	-16.38	-12.37	-10.36	-9.83
1/10/10	-29.93	-28.51	-26.91	-23.98	-21.93	-20.61	-19.44	-18.38	-16.59	-12.43	-10.39	-9.86
1/11/10	-29.61	-28.52	-27.04	-24.26	-22.26	-20.92	-19.75	-18.64	-16.78	-12.55	-10.43	-9.84
1/12/10	-29.11	-28.17	-26.88	-24.38	-22.51	-21.17	-19.98	-18.87	-17	-12.63	-10.49	-9.87
1/13/10	-29.65	-28.42	-26.99	-24.44	-22.64	-21.36	-20.2	-19.12	-17.2	-12.73	-10.55	-9.86
1/14/10	-30.25	-28.82	-27.28	-24.63	-22.78	-21.53	-20.4	-19.3	-17.37	-12.83	-10.6	-9.87
1/15/10	-29.12	-28.4	-27.22	-24.85	-22.99	-21.73	-20.56	-19.49	-17.56	-12.92	-10.63	-9.86
1/16/10	-28.61	-27.64	-26.66	-24.72	-23.09	-21.9	-20.78	-19.68	-17.76	-13.04	-10.69	-9.89
1/17/10	-29.6	-28.34	-26.95	-24.64	-23.05	-21.96	-20.88	-19.84	-17.91	-13.15	-10.74	-9.89
1/18/10	-30.97	-29.27	-27.62	-24.98	-23.22	-22.05	-20.97	-19.95	-18.08	-13.24	-10.8	-9.89
1/19/10	-31.46	-30.07	-28.42	-25.46	-23.52	-22.24	-21.15	-20.1	-18.22	-13.36	-10.84	-9.9
1/20/10	-30.89	-29.89	-28.52	-25.84	-23.87	-22.54	-21.37	-20.28	-18.35	-13.46	-10.88	-9.92
1/21/10	-30.6	-29.61	-28.38	-25.96	-24.1	-22.79	-21.61	-20.51	-18.54	-13.57	-10.93	-9.92
1/22/10	-30.03	-29.25	-28.21	-25.96	-24.19	-22.95	-21.8	-20.69	-18.71	-13.69	-11	-9.93
1/23/10	-29.67	-29.03	-28	-25.89	-24.27	-23.07	-21.95	-20.87	-18.88	-13.79	-11.06	-9.94
1/24/10	-28.98	-28.31	-27.48	-25.73	-24.27	-23.14	-22.05	-21	-19.04	-13.9	-11.11	-9.96
1/25/10	-28.53	-27.91	-27.14	-25.49	-24.15	-23.14	-22.12	-21.11	-19.17	-14.01	-11.17	-9.96
1/26/10	-27.19	-26.89	-26.43	-25.21	-24.01	-23.07	-22.13	-21.15	-19.27	-14.13	-11.23	-9.97
1/27/10	-26.23	-26.11	-25.78	-24.79	-23.75	-22.97	-22.1	-21.19	-19.38	-14.23	-11.27	-9.98
1/28/10	-26.55	-25.85	-25.33	-24.35	-23.47	-22.77	-21.98	-21.14	-19.46	-14.35	-11.36	-9.99
1/29/10	-28.38	-27.12	-26	-24.37	-23.31	-22.61	-21.89	-21.09	-19.48	-14.45	-11.39	-10
1/30/10	-27.96	-27.35	-26.47	-24.74	-23.44	-22.63	-21.84	-21.04	-19.53	-14.56	-11.47	-9.99
1/31/10	-27.69	-27.01	-26.26	-24.77	-23.58	-22.73	-21.91	-21.1	-19.56	-14.67	-11.54	-10.01
2/1/10	-27.91	-27.18	-26.34	-24.77	-23.58	-22.77	-21.98	-21.14	-19.59	-14.75	-11.6	-10.04
2/2/10	-27.14	-26.76	-26.14	-24.78	-23.63	-22.82	-21.99	-21.18	-19.67	-14.85	-11.64	-10.05
2/3/10	-27.18	-26.38	-25.76	-24.58	-23.58	-22.84	-22.05	-21.28	-19.72	-14.95	-11.71	-10.06
2/4/10	-27.56	-26.63	-25.84	-24.5	-23.47	-22.77	-22.05	-21.27	-19.78	-15.04	-11.78	-10.06
2/5/10	-28.25	-27.21	-26.25	-24.6	-23.46	-22.76	-22	-21.27	-19.81	-15.12	-11.83	-10.08
2/6/10	-28.13	-27.34	-26.46	-24.81	-23.58	-22.77	-22.05	-21.31	-19.85	-15.18	-11.89	-10.09
2/7/10	-28.21	-27.26	-26.41	-24.84	-23.69	-22.87	-22.11	-21.34	-19.88	-15.27	-11.97	-10.11
2/8/10	-28.74	-27.73	-26.7	-24.96	-23.72	-22.94	-22.18	-21.4	-19.94	-15.35	-12.02	-10.13
2/9/10	-28.48	-27.69	-26.84	-25.12	-23.88	-23.02	-22.22	-21.45	-20.02	-15.42	-12.08	-10.14
2/10/10	-27.96	-27.44	-26.72	-25.17	-23.96	-23.1	-22.3	-21.52	-20.06	-15.51	-12.15	-10.15
2/11/10	-27.61	-27.14	-26.51	-25.13	-23.96	-23.14	-22.37	-21.59	-20.12	-15.57	-12.2	-10.18
2/12/10	-26.65	-26.44	-26.07	-24.95	-23.94	-23.19	-22.43	-21.64	-20.17	-15.64	-12.25	-10.19
2/13/10	-25.35	-25.47	-25.31	-24.6	-23.76	-23.12	-22.4	-21.65	-20.25	-15.71	-12.34	-10.2
2/14/10	-25.45	-25.1	-24.78	-24.16	-23.48	-22.96	-22.35	-21.67	-20.26	-15.78	-12.38	-10.21
2/15/10	-24.34	-24.49	-24.38	-23.88	-23.28	-22.77	-22.22	-21.59	-20.29	-15.87	-12.46	-10.24
2/16/10	-23.95	-23.99	-23.91	-23.53	-23.01	-22.61	-22.07	-21.51	-20.28	-15.92	-12.5	-10.26
2/17/10	-23.21	-23.35	-23.43	-23.17	-22.77	-22.4	-21.94	-21.41	-20.25	-15.98	-12.57	-10.27
2/18/10	-25.13	-24.08	-23.51	-22.92	-22.52	-22.23	-21.8	-21.31	-20.22	-16.04	-12.62	-10.28
2/19/10	-27.63	-25.91	-24.68	-23.19	-22.46	-22.07	-21.68	-21.22	-20.17	-16.11	-12.67	-10.31
2/20/10	-29	-27.33	-25.87	-23.86	-22.71	-22.13	-21.64	-21.15	-20.13	-16.16	-12.72	-10.33
2/21/10	-29.29	-28.16	-26.79	-24.53	-23.13	-22.36	-21.76	-21.2	-20.11	-16.2	-12.76	-10.35
2/22/10	-29.47	-28.25	-27.04	-24.95	-23.53	-22.65	-21.96	-21.3	-20.14	-16.26	-12.84	-10.37
2/23/10	-28.27	-27.92	-27.06	-25.21	-23.78	-22.89	-22.13	-21.43	-20.2	-16.29	-12.87	-10.37
2/24/10	-25.28	-25.84	-25.8	-24.92	-23.88	-23.06	-22.3	-21.55	-20.25	-16.31	-12.93	-10.4
2/25/10	-22.84	-23.62	-24.15	-24.07	-23.54	-22.99	-22.33	-21.66	-20.35	-16.37	-12.98	-10.4
2/26/10	-25.92	-24.85	-24.19	-23.5	-23.06	-22.69	-22.19	-21.62	-20.38	-16.42	-13.05	-10.43
2/27/10	-28.11	-26.61	-25.38	-23.83	-23.01	-22.53	-22.03	-21.53	-20.4	-16.46	-13.09	-10.44
2/28/10	-30.06	-28.32	-26.77	-24.54	-23.29	-22.63	-22.05	-21.49	-20.39	-16.51	-13.13	-10.48
3/1/10	-31.07	-29.45	-27.88	-25.34	-23.78	-22.92	-22.23	-21.56	-20.43	-16.54	-13.19	-10.51

Bulb Depth	TH3_1 Above Ground	TH3_2 0.2 M	TH3_3 0.45 M	TH3_4 0.70 M	TH3_5 0.95 M	TH3_6 1.20 M	TH3_7 1.45 M	TH3_8 1.70 M	TH3_9 2.20 M	TH3_10 4.20 M	TH3_11 6.20 M	TH3_12 10.2 M
3/2/10	-31.51	-30.11	-28.59	-25.99	-24.28	-23.3	-22.45	-21.71	-20.46	-16.61	-13.25	-10.51
3/3/10	-30.98	-30.03	-28.83	-26.45	-24.72	-23.65	-22.76	-21.93	-20.55	-16.62	-13.26	-10.53
3/4/10	-30.13	-29.48	-28.57	-26.58	-25	-23.96	-23.02	-22.15	-20.69	-16.66	-13.33	-10.57
3/5/10	-29.8	-29.06	-28.21	-26.5	-25.08	-24.11	-23.2	-22.33	-20.82	-16.72	-13.38	-10.56
3/6/10	-30.17	-29.24	-28.25	-26.45	-25.11	-24.18	-23.35	-22.47	-20.95	-16.78	-13.43	-10.61
3/7/10	-29.94	-29.25	-28.35	-26.54	-25.2	-24.26	-23.43	-22.58	-21.06	-16.81	-13.47	-10.62
3/8/10	-30.35	-29.42	-28.38	-26.61	-25.27	-24.37	-23.53	-22.68	-21.19	-16.86	-13.51	-10.66
3/9/10	-29.17	-28.81	-28.18	-26.64	-25.33	-24.47	-23.63	-22.78	-21.25	-16.92	-13.54	-10.67
3/10/10	-26.9	-27.29	-27.16	-26.28	-25.31	-24.52	-23.68	-22.87	-21.37	-16.97	-13.59	-10.68
3/11/10	-25.62	-25.78	-25.86	-25.54	-24.95	-24.36	-23.64	-22.9	-21.47	-17.02	-13.63	-10.7
3/12/10	-26.01	-25.57	-25.33	-24.97	-24.5	-24.08	-23.51	-22.85	-21.49	-17.1	-13.67	-10.74
3/13/10	-26.35	-25.89	-25.49	-24.82	-24.27	-23.82	-23.33	-22.78	-21.53	-17.16	-13.73	-10.77
3/14/10	-25.54	-25.5	-25.3	-24.75	-24.13	-23.71	-23.23	-22.68	-21.47	-17.2	-13.75	-10.76
3/15/10	-25.89	-25.45	-25.13	-24.58	-24.01	-23.63	-23.14	-22.6	-21.46	-17.28	-13.82	-10.8
3/16/10	-25.99	-25.66	-25.3	-24.52	-23.94	-23.49	-23.04	-22.53	-21.43	-17.32	-13.86	-10.81
3/17/10	-26.55	-25.85	-25.32	-24.5	-23.89	-23.43	-22.99	-22.48	-21.42	-17.4	-13.9	-10.84
3/18/10	-26.93	-26.34	-25.69	-24.62	-23.89	-23.44	-22.96	-22.45	-21.38	-17.43	-13.96	-10.87
3/19/10	-27.43	-26.58	-25.88	-24.77	-23.96	-23.43	-22.95	-22.44	-21.38	-17.49	-13.98	-10.89
3/20/10	-27.1	-26.55	-25.93	-24.85	-24	-23.47	-22.96	-22.41	-21.35	-17.52	-14.04	-10.9
3/21/10	-26.68	-26.35	-25.86	-24.86	-24.05	-23.48	-22.96	-22.42	-21.39	-17.56	-14.08	-10.94
3/22/10	-26.84	-26.21	-25.68	-24.77	-24.03	-23.51	-22.99	-22.44	-21.38	-17.61	-14.12	-10.94
3/23/10	-26.88	-26.34	-25.77	-24.77	-24	-23.51	-22.99	-22.45	-21.38	-17.65	-14.18	-10.98
3/24/10	-27.14	-26.55	-25.93	-24.85	-24.04	-23.51	-22.99	-22.45	-21.42	-17.68	-14.21	-11.01
3/25/10	-27.22	-26.63	-26.01	-24.93	-24.08	-23.51	-22.99	-22.44	-21.42	-17.71	-14.27	-11
3/26/10	-26.72	-26.35	-25.85	-24.94	-24.12	-23.59	-23.03	-22.49	-21.42	-17.75	-14.3	-11.04
3/27/10	-25.35	-25.59	-25.43	-24.76	-24.07	-23.58	-23.02	-22.51	-21.45	-17.77	-14.33	-11.07
3/28/10	-21.55	-23.31	-24.17	-24.25	-23.87	-23.49	-23.01	-22.5	-21.44	-17.8	-14.36	-11.08
3/29/10	-20.6	-21.35	-22.37	-23.14	-23.32	-23.21	-22.88	-22.45	-21.46	-17.84	-14.42	-11.1
3/30/10	-21.17	-21.34	-21.87	-22.4	-22.66	-22.73	-22.58	-22.26	-21.45	-17.87	-14.47	-11.12
3/31/10	-21.07	-21.31	-21.73	-22.15	-22.3	-22.37	-22.26	-22.05	-21.34	-17.9	-14.5	-11.15
4/1/10	-20.87	-21.14	-21.56	-21.91	-22.05	-22.09	-22.02	-21.84	-21.21	-17.93	-14.54	-11.18
4/2/10	-21.09	-21.09	-21.37	-21.69	-21.83	-21.86	-21.83	-21.65	-21.13	-17.95	-14.58	-11.2
4/3/10	-20.56	-20.9	-21.32	-21.56	-21.63	-21.7	-21.67	-21.49	-20.97	-17.97	-14.62	-11.21
4/4/10	-21.09	-20.92	-21.09	-21.37	-21.48	-21.55	-21.48	-21.34	-20.89	-17.98	-14.66	-11.25
4/5/10	-21.55	-21.41	-21.38	-21.38	-21.34	-21.41	-21.34	-21.24	-20.76	-17.99	-14.67	-11.26
4/6/10	-20.8	-20.94	-21.21	-21.35	-21.32	-21.32	-21.25	-21.11	-20.66	-18	-14.71	-11.29
4/7/10	-21.44	-21.09	-21.09	-21.2	-21.2	-21.2	-21.13	-21.03	-20.62	-18.01	-14.75	-11.3
4/8/10	-21.45	-21.31	-21.24	-21.17	-21.1	-21.1	-21.03	-20.9	-20.52	-18.02	-14.79	-11.34
4/9/10	-20.46	-20.73	-21.01	-21.11	-21.04	-21.04	-20.97	-20.83	-20.43	-18	-14.82	-11.35
4/10/10	-20.9	-20.79	-20.86	-20.93	-20.93	-20.93	-20.9	-20.76	-20.35	-17.99	-14.85	-11.39
4/11/10	-20.03	-20.29	-20.63	-20.8	-20.83	-20.83	-20.8	-20.66	-20.29	-18	-14.88	-11.4
4/12/10	-20.82	-20.51	-20.55	-20.65	-20.68	-20.72	-20.68	-20.58	-20.21	-17.98	-14.92	-11.44
4/13/10	-20.66	-20.63	-20.66	-20.66	-20.63	-20.63	-20.59	-20.49	-20.16	-17.96	-14.94	-11.45
4/14/10	-19.15	-19.77	-20.3	-20.57	-20.57	-20.57	-20.54	-20.4	-20.07	-17.94	-14.98	-11.46
4/15/10	-17.19	-18.3	-19.33	-20.08	-20.32	-20.45	-20.42	-20.32	-19.98	-17.93	-14.99	-11.51
4/16/10	-16.04	-16.94	-18.17	-19.32	-19.88	-20.18	-20.25	-20.21	-19.91	-17.92	-15.02	-11.53
4/17/10	-15.92	-16.57	-17.61	-18.71	-19.38	-19.74	-19.94	-20.01	-19.81	-17.89	-15.04	-11.55
4/18/10	-15.78	-16.4	-17.31	-18.33	-18.97	-19.42	-19.65	-19.78	-19.68	-17.89	-15.05	-11.56
4/19/10	-15.8	-16.3	-17.12	-18.08	-18.68	-19.12	-19.42	-19.55	-19.55	-17.86	-15.07	-11.58
4/20/10	-16.33	-16.54	-17.14	-17.91	-18.48	-18.92	-19.18	-19.34	-19.38	-17.85	-15.09	-11.63
4/21/10	-16.04	-16.51	-17.18	-17.89	-18.36	-18.74	-19	-19.16	-19.22	-17.83	-15.1	-11.64
4/22/10	-15.33	-16.04	-16.91	-17.73	-18.23	-18.61	-18.87	-19.03	-19.09	-17.8	-15.13	-11.66
4/23/10	-14.59	-15.34	-16.37	-17.4	-18.02	-18.43	-18.68	-18.87	-18.97	-17.74	-15.17	-11.67
4/24/10	-13.86	-14.74	-15.85	-16.98	-17.69	-18.18	-18.5	-18.69	-18.82	-17.72	-15.15	-11.71
4/25/10	-13.22	-14.11	-15.29	-16.56	-17.35	-17.9	-18.28	-18.5	-18.69	-17.69	-15.17	-11.71
4/26/10	-12.66	-13.58	-14.8	-16.14	-17.01	-17.62	-18.03	-18.28	-18.53	-17.66	-15.2	-11.73
4/27/10	-12.16	-13.18	-14.41	-15.74	-16.66	-17.3	-17.76	-18.07	-18.36	-17.58	-15.19	-11.75
4/28/10	-11.48	-12.51	-13.9	-15.36	-16.3	-16.99	-17.51	-17.85	-18.2	-17.54	-15.21	-11.77
4/29/10	-12.14	-12.61	-13.66	-15	-15.99	-16.71	-17.26	-17.62	-18.03	-17.5	-15.23	-11.82
4/30/10	-12.31	-12.86	-13.75	-14.89	-15.76	-16.44	-16.98	-17.38	-17.84	-17.44	-15.23	-11.82
5/1/10	-12.83	-13.11	-13.83	-14.83	-15.61	-16.26	-16.77	-17.16	-17.66	-17.38	-15.23	-11.84
5/2/10	-13.13	-13.32	-13.97	-14.85	-15.52	-16.14	-16.61	-17.01	-17.5	-17.34	-15.23	-11.86
5/3/10	-12.91	-13.36	-14.03	-14.86	-15.47	-16.02	-16.47	-16.83	-17.35	-17.26	-15.23	-11.9
5/4/10	-12.37	-13.09	-13.9	-14.81	-15.41	-15.94	-16.39	-16.72	-17.2	-17.2	-15.24	-11.91
5/5/10	-11.61	-12.42	-13.48	-14.58	-15.27	-15.82	-16.27	-16.63	-17.08	-17.14	-15.24	-11.93
5/6/10	-11.17	-11.96	-13.06	-14.26	-15.06	-15.68	-16.12	-16.48	-16.93	-17.08	-15.24	-11.96
5/7/10	-11.41	-11.95	-12.88	-14.03	-14.83	-15.47	-15.96	-16.35	-16.8	-17.01	-15.23	-11.98
5/8/10	-11.44	-11.98	-12.86	-13.92	-14.66	-15.29	-15.79	-16.18	-16.68	-16.96	-15.24	-11.98
5/9/10	-11.12	-11.8	-12.73	-13.81	-14.52	-15.12	-15.62	-16.03	-16.54	-16.87	-15.21	-12.01
5/10/10	-10.67	-11.42	-12.42	-13.62	-14.38	-15.01	-15.5	-15.88	-16.42	-16.81	-15.21	-12.04
5/11/10	-10.27	-11.13	-12.21	-13.4	-14.18	-14.84	-15.36	-15.74	-16.3	-16.75	-15.22	-12.05
5/12/10	-10.34	-10.98	-11.98	-13.19	-14	-14.68	-15.17	-15.61	-16.14	-16.65	-15.2	-12.06

Bulb Depth	TH3_1 Above Ground	TH3_2 0.2 M	TH3_3 0.45 M	TH3_4 0.70 M	TH3_5 0.95 M	TH3_6 1.20 M	TH3_7 1.45 M	TH3_8 1.70 M	TH3_9 2.20 M	TH3_10 4.20 M	TH3_11 6.20 M	TH3_12 10.2 M
5/13/10	-10.6	-11.11	-11.98	-13.08	-13.83	-14.51	-15.03	-15.44	-16.02	-16.59	-15.2	-12.09
5/14/10	-10.96	-11.36	-12.1	-13.09	-13.76	-14.38	-14.89	-15.3	-15.91	-16.54	-15.18	-12.1
5/15/10	-9.64	-10.78	-11.89	-13.01	-13.71	-14.3	-14.79	-15.19	-15.77	-16.46	-15.16	-12.1
5/16/10	-8.83	-10.04	-11.41	-12.74	-13.58	-14.2	-14.71	-15.08	-15.66	-16.37	-15.14	-12.14
5/17/10	-8.33	-9.41	-10.84	-12.36	-13.3	-14.03	-14.57	-14.97	-15.55	-16.31	-15.14	-12.14
5/18/10	-8.63	-9.32	-10.54	-12.02	-13.01	-13.79	-14.38	-14.81	-15.45	-16.24	-15.13	-12.18
5/19/10	-9.16	-9.55	-10.53	-11.82	-12.78	-13.56	-14.18	-14.64	-15.3	-16.18	-15.1	-12.21
5/20/10	-9.19	-9.74	-10.62	-11.78	-12.62	-13.37	-13.99	-14.47	-15.16	-16.1	-15.07	-12.21
5/21/10	-8.93	-9.48	-10.46	-11.69	-12.54	-13.26	-13.85	-14.33	-15.02	-16.04	-15.07	-12.21
5/22/10	-8.8	-9.4	-10.38	-11.56	-12.41	-13.09	-13.71	-14.19	-14.9	-15.95	-15.05	-12.24
5/23/10	-7.9	-8.92	-10.08	-11.39	-12.25	-12.97	-13.55	-14.03	-14.74	-15.87	-15	-12.25
5/24/10	-7.16	-8.12	-9.56	-11.1	-12.05	-12.82	-13.43	-13.91	-14.61	-15.8	-14.99	-12.27
5/25/10	-7.14	-7.99	-9.25	-10.76	-11.78	-12.6	-13.24	-13.77	-14.51	-15.75	-14.96	-12.27
5/26/10	-6.55	-7.59	-8.97	-10.53	-11.55	-12.39	-13.05	-13.58	-14.34	-15.67	-14.94	-12.28
5/27/10	-5.96	-7.07	-8.55	-10.24	-11.31	-12.18	-12.86	-13.42	-14.23	-15.58	-14.92	-12.31
5/28/10	-5.42	-6.528	-8.14	-9.92	-11.07	-11.96	-12.67	-13.22	-14.06	-15.5	-14.89	-12.31
5/29/10	-5.085	-6.141	-7.72	-9.58	-10.77	-11.71	-12.45	-13.06	-13.92	-15.44	-14.89	-12.34
5/30/10	-4.7	-5.755	-7.33	-9.26	-10.48	-11.44	-12.23	-12.83	-13.75	-15.35	-14.83	-12.34
5/31/10	-4.393	-5.473	-7.07	-8.97	-10.21	-11.2	-12.01	-12.64	-13.59	-15.27	-14.8	-12.34
6/1/10	-3.456	-4.894	-6.671	-8.7	-9.93	-10.94	-11.78	-12.43	-13.43	-15.19	-14.78	-12.35
6/2/10	-2.736	-4.225	-6.179	-8.36	-9.67	-10.7	-11.56	-12.24	-13.23	-15.1	-14.76	-12.35
6/3/10	-3.01	-3.985	-5.733	-7.98	-9.37	-10.46	-11.34	-12.04	-13.09	-15.04	-14.72	-12.4
6/4/10	-2.959	-3.909	-5.528	-7.65	-9.06	-10.16	-11.1	-11.83	-12.92	-14.95	-14.69	-12.4
6/5/10	-3.118	-3.99	-5.455	-7.42	-8.77	-9.9	-10.83	-11.59	-12.73	-14.87	-14.67	-12.4
6/6/10	-2.376	-3.583	-5.226	-7.21	-8.56	-9.69	-10.6	-11.37	-12.54	-14.78	-14.64	-12.4
6/7/10	-1.943	-3.175	-4.895	-7.01	-8.38	-9.49	-10.39	-11.16	-12.35	-14.67	-14.61	-12.41
6/8/10	-2.317	-3.19	-4.705	-6.714	-8.11	-9.24	-10.16	-10.96	-12.21	-14.61	-14.58	-12.43
6/9/10	-2.07	-3.046	-4.509	-6.465	-7.86	-8.99	-9.93	-10.73	-11.97	-14.5	-14.53	-12.43
6/10/10	-1.306	-2.616	-4.259	-6.239	-7.61	-8.76	-9.7	-10.52	-11.76	-14.39	-14.5	-12.44
6/11/10	-0.946	-2.231	-3.925	-5.955	-7.35	-8.52	-9.49	-10.28	-11.57	-14.31	-14.48	-12.44
6/12/10	-0.545	-1.934	-3.602	-5.682	-7.07	-8.27	-9.24	-10.05	-11.36	-14.2	-14.43	-12.45
6/13/10	-0.599	-1.731	-3.35	-5.353	-6.797	-7.99	-8.98	-9.82	-11.16	-14.1	-14.38	-12.46
6/14/10	-0.332	-1.516	-3.057	-5.007	-6.449	-7.66	-8.68	-9.55	-10.93	-14	-14.34	-12.44
6/15/10	0.151	-1.291	-2.858	-4.731	-6.145	-7.39	-8.4	-9.26	-10.69	-13.89	-14.31	-12.47
6/16/10	0.849	-0.906	-2.576	-4.5	-5.862	-7.13	-8.16	-9.03	-10.45	-13.78	-14.26	-12.45
6/17/10	1.387	-0.422	-2.222	-4.172	-5.61	-6.873	-7.91	-8.8	-10.24	-13.67	-14.2	-12.45
6/18/10	1.648	0.198	-0.987	-2.066	-3.657	-6.2	-7.57	-8.51	-10	-13.56	-14.17	-12.48
6/19/10	2.276	0.771	-0.932	-2.653	-3.859	-5.399	-6.92	-8.06	-9.71	-13.41	-14.14	-12.48
6/20/10	2.843	1.464	-0.499	-2.453	-3.684	-5.121	-6.511	-7.65	-9.4	-13.31	-14.09	-12.48
6/21/10	3.317	1.988	0.02	-2.09	-3.373	-4.81	-6.173	-7.28	-9.05	-13.19	-14.03	-12.48
6/22/10	2.831	2.075	0.339	-1.722	-3.031	-4.468	-5.856	-6.991	-8.79	-13.05	-14	-12.47
6/23/10	3.319	2.354	0.668	-1.42	-2.756	-4.167	-5.528	-6.687	-8.5	-12.91	-13.95	-12.47
6/24/10	3.994	2.79	1.024	-1.143	-2.505	-3.915	-5.25	-6.408	-8.25	-12.75	-13.89	-12.48
6/25/10	4.978	3.376	1.398	-0.847	-2.235	-3.645	-4.979	-6.161	-7.97	-12.63	-13.82	-12.46
6/26/10	6.381	4.502	2.123	-0.463	-1.98	-3.416	-4.724	-5.906	-7.74	-12.46	-13.76	-12.46
6/27/10	7.05	5.191	2.751	-0.073	-1.745	-3.208	-4.516	-5.697	-7.53	-12.32	-13.71	-12.46
6/28/10	7.53	5.694	3.195	0.21	-1.489	-2.977	-4.311	-5.466	-7.32	-12.19	-13.65	-12.46
6/29/10	8.55	6.402	3.657	0.512	-1.265	-2.754	-4.087	-5.241	-7.12	-12.06	-13.57	-12.47
6/30/10	9.46	7.11	4.17	0.812	-1.095	-2.584	-3.891	-5.045	-6.923	-11.87	-13.55	-12.45
7/1/10	8.69	7.23	4.551	1.057	-0.98	-2.444	-3.752	-4.88	-6.732	-11.76	-13.49	-12.46
7/2/10	8.31	6.911	4.525	1.212	-0.852	-2.316	-3.573	-4.701	-6.578	-11.59	-13.4	-12.44
7/3/10	9.38	7.27	4.59	1.304	-0.735	-2.173	-3.455	-4.531	-6.407	-11.44	-13.33	-12.45
7/4/10	9.98	7.86	5.04	1.538	-0.656	-2.069	-3.3	-4.376	-6.225	-11.31	-13.27	-12.44
7/5/10	11.04	8.6	5.528	1.837	-0.488	-1.926	-3.157	-4.207	-6.055	-11.15	-13.17	-12.43
7/6/10	11.96	9.45	6.163	2.199	-0.36	-1.799	-3.03	-4.08	-5.902	-11.02	-13.11	-12.43
7/7/10	11.38	9.53	6.457	2.536	-0.234	-1.675	-2.88	-3.931	-5.754	-10.92	-13.1	-12.46
7/8/10	9.74	8.54	6.176	2.677	-0.044	-1.537	-2.717	-3.769	-5.591	-10.78	-13.04	-12.46
7/9/10	8.68	7.76	5.754	2.705	0.139	-1.355	-2.51	-3.562	-5.384	-10.67	-12.95	-12.48
7/10/10	6.741	6.528	5.041	2.497	0.215	-1.203	-2.334	-3.36	-5.209	-10.55	-12.91	-12.47
7/11/10	4.206	4.495	3.864	2.062	0.222	-1.042	-2.173	-3.175	-5.023	-10.44	-12.85	-12.46
7/12/10	3.726	3.647	2.993	1.561	0.215	-0.971	-2.026	-3.001	-4.849	-10.28	-12.77	-12.47
7/13/10	4.251	3.725	2.758	1.327	0.163	-0.92	-1.923	-2.873	-4.669	-10.15	-12.71	-12.47
7/14/10	4.263	3.607	2.693	1.315	0.177	-0.88	-1.857	-2.781	-4.5	-10	-12.61	-12.45

NOTES:

Signifies data deleted as clearly a malfunction indicated by substantial short term change of temperature.
Original data is available upon request but has been removed to make graphs easier to read and understand.
This normally occurs in spring when must be having a snow melting event.

Signifies the warmest temperature recorded for individual thermistor strings during the calendar year.

LRD LANDFILL THERMISTOR DATA - #LRD4

Bulb	TH4_1	TH4_2	TH4_3	TH4_4	TH4_5	TH4_6	TH4_7	TH4_8	TH4_9	TH4_10	TH4_11	TH4_12
Depth	Above Ground	Above Ground	0.06 M	0.31 M	0.56 M	0.81 M	1.06 M	1.31 M	1.81 M	3.81 M	5.81 M	9.81 M
1/1/09			-23.12	-23.12	-20.79	-19.03	-18.11	-17.15	-16.15	-10.55	-8.78	-7.86
1/2/09			-20.94	-21.7	-20.13	-18.92	-18.12	-17.26	-16.23	-10.59	-8.85	-7.85
1/3/09			-22.47	-22.43	-20.08	-18.71	-18.01	-17.24	-16.27	-10.71	-8.9	-7.88
1/4/09			-23.34	-23.01	-20.37	-18.73	-17.97	-17.17	-16.27	-10.84	-8.98	-7.87
1/5/09			-24.2	-23.67	-20.81	-18.89	-18.03	-17.22	-16.29	-10.91	-9.02	-7.89
1/6/09			-25.44	-24.61	-21.38	-19.16	-18.14	-17.27	-16.36	-10.97	-9.08	-7.9
1/7/09			-26.67	-25.6	-22.12	-19.49	-18.36	-17.42	-16.45	-11.05	-9.13	-7.9
1/8/09			-27.17	-26.17	-22.66	-19.92	-18.68	-17.61	-16.6	-11.13	-9.21	-7.92
1/9/09			-28.11	-26.91	-23.19	-20.3	-18.95	-17.84	-16.8	-11.2	-9.27	-7.93
1/10/09			-28.65	-27.46	-23.72	-20.71	-19.28	-18.13	-17.02	-11.28	-9.33	-7.94
1/11/09			-28.43	-27.47	-23.99	-21.09	-19.61	-18.39	-17.23	-11.37	-9.39	-7.94
1/12/09			-28.56	-27.6	-24.26	-21.37	-19.88	-18.64	-17.45	-11.45	-9.44	-7.94
1/13/09			-28.44	-27.6	-24.34	-21.59	-20.12	-18.87	-17.7	-11.54	-9.5	-7.98
1/14/09			-28.52	-27.78	-24.5	-21.76	-20.35	-19.1	-17.89	-11.62	-9.56	-7.98
1/15/09			-28.17	-27.52	-24.42	-21.9	-20.52	-19.29	-18.11	-11.7	-9.61	-8
1/16/09			-27.7	-27.27	-24.35	-21.98	-20.66	-19.46	-18.27	-11.82	-9.67	-8.01
1/17/09			-27.15	-26.98	-24.24	-22.03	-20.78	-19.61	-18.44	-11.92	-9.74	-8.03
1/18/09			-26.27	-26.27	-23.9	-21.99	-20.81	-19.67	-18.54	-12.02	-9.79	-8.03
1/19/09			-25.03	-25.43	-23.39	-21.79	-20.82	-19.75	-18.65	-12.12	-9.89	-8.05
1/20/09			-24.41	-24.68	-22.87	-21.55	-20.72	-19.78	-18.71	-12.26	-9.91	-8.07
1/21/09			-24.78	-24.78	-22.71	-21.33	-20.54	-19.64	-18.7	-12.32	-9.98	-8.08
1/22/09			-25.45	-25.18	-22.85	-21.25	-20.47	-19.6	-18.69	-12.46	-10.03	-8.1
1/23/09			-25.85	-25.53	-23.03	-21.32	-20.43	-19.56	-18.66	-12.56	-10.1	-8.12
1/24/09			-26.1	-25.73	-23.18	-21.38	-20.49	-19.59	-18.69	-12.67	-10.15	-8.12
1/25/09			-25.04	-25.27	-23.13	-21.45	-20.55	-19.65	-18.75	-12.76	-10.24	-8.15
1/26/09			-23.28	-24.07	-22.48	-21.31	-20.56	-19.69	-18.81	-12.84	-10.29	-8.16
1/27/09			-22.73	-23.35	-21.87	-21	-20.42	-19.62	-18.78	-12.93	-10.35	-8.18
1/28/09			-22.83	-23.16	-21.55	-20.72	-20.21	-19.52	-18.74	-13	-10.42	-8.2
1/29/09			-23.94	-23.82	-21.75	-20.57	-20.03	-19.38	-18.67	-13.07	-10.48	-8.21
1/30/09			-25.37	-24.81	-22.23	-20.66	-20.02	-19.33	-18.62	-13.17	-10.55	-8.25
1/31/09			-26.91	-26.04	-22.98	-20.95	-20.11	-19.35	-18.61	-13.21	-10.61	-8.26
2/1/09			-27.77	-26.87	-23.65	-21.33	-20.34	-19.48	-18.67	-13.29	-10.67	-8.28
2/2/09			-26.64	-26.44	-23.83	-21.71	-20.64	-19.67	-18.83	-13.35	-10.73	-8.29
2/3/09			-26.59	-26.26	-23.66	-21.8	-20.8	-19.86	-18.94	-13.39	-10.79	-8.3
2/4/09			-27.56	-26.87	-23.95	-21.86	-20.89	-19.95	-19.09	-13.44	-10.86	-8.31
2/5/09			-27.73	-27.09	-24.23	-22.08	-21.03	-20.05	-19.16	-13.53	-10.92	-8.34
2/6/09			-28.17	-27.47	-24.49	-22.26	-21.17	-20.21	-19.29	-13.58	-10.97	-8.37
2/7/09			-28.7	-27.99	-24.88	-22.51	-21.37	-20.34	-19.41	-13.63	-11.02	-8.39
2/8/09			-29.15	-28.34	-25.24	-22.76	-21.58	-20.51	-19.55	-13.69	-11.1	-8.42
2/9/09			-29.33	-28.61	-25.51	-23.02	-21.79	-20.68	-19.71	-13.77	-11.15	-8.44
2/10/09			-29.2	-28.61	-25.64	-23.24	-21.97	-20.89	-19.88	-13.84	-11.19	-8.45
2/11/09			-28.71	-28.35	-25.61	-23.36	-22.16	-21.04	-20.06	-13.9	-11.25	-8.46
2/12/09			-27.83	-27.74	-25.33	-23.41	-22.27	-21.18	-20.19	-13.96	-11.31	-8.49
2/13/09			-28.21	-27.82	-25.2	-23.32	-22.29	-21.27	-20.32	-14.06	-11.35	-8.5
2/14/09			-28.92	-28.25	-25.43	-23.35	-22.32	-21.3	-20.38	-14.14	-11.42	-8.54
2/15/09			-29.47	-28.79	-25.8	-23.5	-22.4	-21.37	-20.44	-14.22	-11.48	-8.54
2/16/09			-30.12	-29.28	-26.12	-23.72	-22.53	-21.5	-20.57	-14.33	-11.52	-8.56
2/17/09			-31.86	-30.25	-26.73	-24.01	-22.74	-21.63	-20.7	-14.4	-11.59	-8.6
2/18/09			-32.46	-30.92	-27.32	-24.39	-23	-21.84	-20.83	-14.49	-11.64	-8.63
2/19/09			-29.91	-29.54	-27.02	-24.67	-23.3	-22.07	-21.05	-14.57	-11.7	-8.63
2/20/09			-30.36	-29.33	-26.62	-24.56	-23.42	-22.25	-21.23	-14.65	-11.74	-8.67
2/21/09			-31.08	-29.79	-26.78	-24.52	-23.42	-22.32	-21.36	-14.73	-11.79	-8.69
2/22/09			-31.47	-30.16	-27.08	-24.68	-23.49	-22.39	-21.43	-14.82	-11.85	-8.72
2/23/09			-31.27	-30.12	-27.16	-24.8	-23.61	-22.47	-21.54	-14.91	-11.91	-8.75
2/24/09			-31.13	-30.03	-27.17	-24.92	-23.72	-22.61	-21.65	-15	-11.97	-8.78
2/25/09			-31.33	-30.12	-27.29	-25	-23.84	-22.72	-21.76	-15.09	-12.02	-8.78
2/26/09			-29.49	-29.03	-26.85	-25.02	-23.93	-22.82	-21.88	-15.17	-12.1	-8.81
2/27/09			-29.62	-28.8	-26.55	-24.85	-23.89	-22.85	-21.95	-15.25	-12.15	-8.83
2/28/09			-29.34	-28.44	-26.26	-24.69	-23.81	-22.84	-22.01	-15.36	-12.2	-8.85
3/1/09			-29.74	-29.19	-26.49	-24.64	-23.75	-22.83	-22.03	-15.43	-12.26	-8.88
3/2/09			-29.75	-29.38	-26.71	-24.73	-23.77	-22.8	-22.01	-15.5	-12.3	-8.92
3/3/09			-29.02	-28.89	-26.55	-24.77	-23.85	-22.88	-22.08	-15.59	-12.36	-8.93
3/4/09			-30.07	-29.51	-26.74	-24.8	-23.87	-22.9	-22.11	-15.67	-12.43	-8.96
3/5/09			-30.78	-30.07	-27.12	-24.95	-23.91	-22.94	-22.17	-15.72	-12.51	-8.98
3/6/09			-31.22	-30.5	-27.5	-25.15	-24.06	-23.05	-22.21	-15.81	-12.56	-9.01
3/7/09			-31.13	-30.55	-27.64	-25.35	-24.21	-23.16	-22.32	-15.87	-12.62	-9.04
3/8/09			-31.08	-30.55	-27.72	-25.47	-24.37	-23.31	-22.47	-15.96	-12.68	-9.07
3/9/09			-56.94	-31.12	-28.02	-25.62	-24.47	-23.41	-22.56	-16.01	-12.75	-9.08
3/10/09			-55.99	-31.61	-28.37	-25.82	-24.63	-23.52	-22.67	-16.1	-12.8	-9.1
3/11/09			-32.88	-31.96	-28.73	-26.11	-24.78	-23.67	-22.82	-16.19	-12.86	-9.13
3/12/09			-32.78	-32.01	-28.91	-26.32	-25.03	-23.83	-22.97	-16.25	-12.92	-9.16
3/13/09			-32.57	-31.92	-28.96	-26.49	-25.19	-24.02	-23.12	-16.32	-12.98	-9.19
3/14/09			-31.87	-31.52	-28.83	-26.58	-25.31	-24.14	-23.27	-16.38	-13.01	-9.2

LRD LANDFILL THERMISTOR DATA - #LRD4

Bulb Depth	TH4_1 Above Ground	TH4_2 Above Ground	TH4_3 0.06 M	TH4_4 0.31 M	TH4_5 0.56 M	TH4_6 0.81 M	TH4_7 1.06 M	TH4_8 1.31 M	TH4_9 1.81 M	TH4_10 3.81 M	TH4_11 5.81 M	TH4_12 9.81 M
3/15/09			-31.52	-31.18	-28.61	-26.54	-25.39	-24.26	-23.39	-16.47	-13.1	-9.23
3/16/09			-30.94	-30.8	-28.39	-26.46	-25.4	-24.3	-23.51	-16.54	-13.13	-9.26
3/17/09			-30.94	-30.7	-28.25	-26.37	-25.4	-24.34	-23.54	-16.63	-13.18	-9.29
3/18/09			-30.23	-30.18	-27.99	-26.34	-25.36	-24.34	-23.58	-16.69	-13.25	-9.32
3/19/09			-30.41	-30.12	-27.81	-26.2	-25.31	-24.33	-23.61	-16.78	-13.32	-9.36
3/20/09			-30.74	-30.41	-27.9	-26.12	-25.27	-24.33	-23.61	-16.87	-13.38	-9.39
3/21/09			-30.94	-30.55	-27.99	-26.16	-25.27	-24.33	-23.61	-16.96	-13.43	-9.39
3/22/09			-31.37	-30.88	-28.2	-26.24	-25.31	-24.37	-23.68	-17.01	-13.48	-9.43
3/23/09			-31.96	-31.32	-28.46	-26.4	-25.42	-24.44	-23.71	-17.1	-13.53	-9.48
3/24/09			-32.02	-31.42	-28.69	-26.53	-25.51	-24.48	-23.79	-17.16	-13.59	-9.48
3/25/09			-32.12	-31.57	-28.78	-26.7	-25.63	-24.6	-23.87	-17.22	-13.65	-9.51
3/26/09			-31.97	-31.52	-28.87	-26.78	-25.75	-24.72	-23.99	-17.29	-13.71	-9.54
3/27/09			-30.71	-30.76	-28.58	-26.8	-25.81	-24.81	-24.04	-17.34	-13.76	-9.57
3/28/09			-30.04	-30.13	-28.13	-26.63	-25.76	-24.81	-24.11	-17.42	-13.84	-9.58
3/29/09			-27.55	-28.83	-27.42	-26.37	-25.68	-24.8	-24.11	-17.49	-13.88	-9.63
3/30/09			-28.18	-28.44	-26.84	-25.97	-25.45	-24.7	-24.12	-17.56	-13.96	-9.67
3/31/09			-26.38	-27.73	-26.5	-25.68	-25.28	-24.5	-24	-17.59	-14	-9.72
4/1/09			-24.42	-26.13	-25.56	-25.24	-24.97	-24.34	-23.89	-17.69	-14.05	-9.72
4/2/09			-25.15	-25.95	-24.99	-24.75	-24.6	-24.13	-23.75	-17.73	-14.12	-9.75
4/3/09			-25.54	-26.07	-24.87	-24.44	-24.28	-23.86	-23.56	-17.79	-14.17	-9.77
4/4/09			-26.55	-26.63	-25.01	-24.31	-24.12	-23.66	-23.36	-17.83	-14.21	-9.8
4/5/09			-27.26	-27.18	-25.29	-24.31	-24	-23.55	-23.25	-17.86	-14.27	-9.83
4/6/09			-26.9	-27.19	-25.42	-24.4	-24.01	-23.49	-23.15	-17.91	-14.34	-9.85
4/7/09			-26.89	-27.1	-25.37	-24.43	-24.01	-23.48	-23.11	-17.94	-14.39	-9.89
4/8/09			-27.18	-27.27	-25.41	-24.43	-24.01	-23.44	-23.11	-17.93	-14.44	-9.91
4/9/09			-26.52	-26.98	-25.34	-24.4	-23.98	-23.41	-23.04	-17.94	-14.48	-9.93
4/10/09			-25.39	-26.28	-25.03	-24.37	-23.95	-23.39	-23.06	-17.96	-14.53	-9.97
4/11/09			-23.77	-25.2	-24.46	-24.07	-23.85	-23.32	-22.99	-18	-14.62	-10.01
4/12/09			-26.39	-26.1	-24.43	-23.78	-23.63	-23.22	-22.92	-17.99	-14.61	-10.02
4/13/09			-27.02	-26.4	-24.67	-23.79	-23.53	-23.08	-22.82	-18.01	-14.68	-10.06
4/14/09			-25.59	-26.07	-24.64	-23.83	-23.53	-23.05	-22.76	-18.01	-14.72	-10.1
4/15/09			-25.27	-25.83	-24.45	-23.76	-23.5	-22.98	-22.72	-18.01	-14.78	-10.12
4/16/09			-24.68	-25.47	-24.22	-23.65	-23.43	-22.95	-22.69	-18.02	-14.79	-10.13
4/17/09			-22.17	-24.24	-23.71	-23.49	-23.3	-22.9	-22.61	-18.01	-14.84	-10.19
4/18/09			-21.88	-23.41	-22.96	-23.04	-23.11	-22.74	-22.53	-18	-14.86	-10.2
4/19/09			-21.84	-23.1	-22.59	-22.66	-22.77	-22.52	-22.41	-18	-14.88	-10.25
4/20/09			-21.46	-22.89	-22.35	-22.38	-22.53	-22.31	-22.24	-18.01	-14.95	-10.26
4/21/09			-20.5	-22.28	-21.96	-22.13	-22.31	-22.1	-22.06	-18.01	-14.98	-10.28
4/22/09			-20.01	-21.71	-21.5	-21.82	-22.07	-21.92	-21.89	-18.01	-15.01	-10.32
4/23/09			-19.94	-21.5	-21.19	-21.5	-21.82	-21.71	-21.75	-17.98	-15.04	-10.37
4/24/09			-19.68	-21.23	-20.92	-21.23	-21.54	-21.47	-21.57	-17.95	-15.07	-10.37
4/25/09			-19.48	-20.95	-20.68	-20.99	-21.33	-21.3	-21.37	-17.95	-15.07	-10.4
4/26/09			-18.74	-20.54	-20.41	-20.75	-21.12	-21.12	-21.16	-17.89	-15.1	-10.43
4/27/09			-18.18	-20.12	-20.05	-20.48	-20.93	-20.89	-20.99	-17.86	-15.17	-10.49
4/28/09			-31.01	-19.5	-19.66	-20.22	-20.66	-20.69	-20.83	-17.84	-15.17	-10.5
4/29/09			-16.29	-18.81	-19.1	-19.85	-20.39	-20.49	-20.66	-17.8	-15.2	-10.52
4/30/09			-16.25	-18.43	-18.65	-19.46	-20.08	-20.22	-20.45	-17.8	-15.2	-10.54
5/1/09			-16.49	-18.33	-18.4	-19.16	-19.78	-19.95	-20.25	-17.74	-15.22	-10.59
5/2/09			-16.05	-18.18	-18.28	-18.91	-19.53	-19.73	-19.99	-17.69	-15.26	-10.6
5/3/09			-15.61	-17.75	-17.93	-18.66	-19.33	-19.5	-19.76	-17.62	-15.29	-10.66
5/4/09			-15.21	-17.51	-17.69	-18.41	-19.05	-19.28	-19.57	-17.6	-15.3	-10.66
5/5/09			-15	-17.26	-17.38	-18.22	-18.82	-19.04	-19.37	-17.56	-15.29	-10.68
5/6/09			-15.4	-17.19	-17.22	-17.93	-18.59	-18.85	-19.17	-17.5	-15.32	-10.76
5/7/09			-15.32	-17.13	-17.13	-17.78	-18.4	-18.62	-19.01	-17.44	-15.35	-10.73
5/8/09			-15.26	-17.04	-17.01	-17.62	-18.24	-18.5	-18.81	-17.41	-15.32	-10.79
5/9/09			-15.37	-17.1	-16.95	-17.5	-18.12	-18.34	-18.66	-17.31	-15.35	-10.79
5/10/09			-15.37	-17.1	-16.89	-17.4	-17.96	-18.18	-18.49	-17.25	-15.34	-10.84
5/11/09			-15.15	-16.92	-16.8	-17.35	-17.84	-18.06	-18.37	-17.16	-15.35	-10.87
5/12/09			-14.6	-20.49	-16.59	-17.19	-17.75	-17.93	-18.28	-17.1	-15.32	-10.87
5/13/09			-14.12	-20.43	-16.36	-17.02	-17.6	-17.82	-18.16	-17.05	-15.33	-10.93
5/14/09			-13.67	-15.85	-16.06	-16.78	-17.42	-17.66	-17.97	-16.99	-15.33	-10.93
5/15/09			-13.59	-15.59	-15.77	-16.57	-17.23	-17.54	-17.85	-16.9	-15.33	-10.96
5/16/09			-13.55	-15.35	-15.55	-16.38	-17.07	-17.32	-17.72	-16.83	-15.29	-10.98
5/17/09			-13.7	-15.38	-15.44	-16.18	-16.87	-17.17	-17.54	-16.75	-15.3	-11.04
5/18/09			-13.45	-15.18	-15.3	-16.03	-16.72	-16.99	-17.38	-16.69	-15.3	-11.07
5/19/09			-12.65	-14.87	-15.07	-15.89	-16.55	-16.85	-17.24	-16.64	-15.28	-11.05
5/20/09			-12.05	-14.3	-14.7	-15.6	-16.37	-16.7	-17.06	-16.55	-15.31	-11.08
5/21/09			-11.12	-13.72	-14.17	-15.26	-16.08	-16.47	-16.89	-16.47	-15.26	-11.12
5/22/09			-9.73		-13.66	-14.88	-15.78	-16.22	-16.73	-16.4	-15.23	-11.14
5/23/09			-10.09	-12.63	-13.26	-14.5	-15.48	-15.95	-16.46	-16.31	-15.25	-11.16
5/24/09			-10.04	-12.52	-13.01	-14.16	-15.16	-15.66	-16.19	-16.25	-15.22	-11.21
5/25/09			-9.5	-13.92	-12.7	-13.89	-14.89	-15.41	-15.97	-16.17	-15.18	-11.2
5/26/09												

LRD LANDFILL THERMISTOR DATA - #LRD4

Bulb	TH4_1	TH4_2	TH4_3	TH4_4	TH4_5	TH4_6	TH4_7	TH4_8	TH4_9	TH4_10	TH4_11	TH4_12
Depth	Above Ground	Above Ground	0.06 M	0.31 M	0.56 M	0.81 M	1.06 M	1.31 M	1.81 M	3.81 M	5.81 M	9.81 M
5/27/09												
5/28/09												
5/29/09												
5/30/09												
5/31/09												
6/1/09												
6/2/09												
6/3/09												
6/4/09												
6/5/09												
6/6/09												
6/7/09												
6/8/09												
6/9/09			1.405	-1.383	-2.591	-4.336	-5.62	-6.445	-7.12	-9.81	-10.12	-7.61
6/10/09			0.499	-2.282	-3.489	-5.389	-6.806	-7.74	-8.44	-11.54	-12	-9.28
6/11/09			0.674	-2.236	-3.468	-5.343	-6.863	-7.82	-8.58	-11.98	-12.5	-9.76
6/12/09			1.834	-1.24	-2.473	-4.372	-5.888	-6.842	-7.59	-11.2	-11.79	-9.08
6/13/09			1.886	-1.42	-2.602	-4.577	-6.12	-7.1	-7.85	-11.63	-12.37	-9.66
6/14/09			2.146	-1.111	-2.268	-4.295	-5.888	-6.919	-7.67	-11.69	-12.56	-9.84
6/15/09			2.094	-1.086	-2.268	-4.269	-5.965	-6.997	-7.72	-11.96	-12.91	-10.21
6/16/09			1.762	-1.671	-2.314	-4.29	-5.934	-7.04	-7.77	-12.17	-13.22	-10.58
6/17/09			2.146	-13.25	-2.268	-4.218	-5.862	-6.945	-7.64	-12.2	-13.39	-10.75
6/18/09			2.562	-11.12	-2.217	-4.269	-5.862	-6.971	-7.62	-12.34	-13.61	-11.07
6/19/09			2.719	-1.086	-2.063	-4.115	-5.785	-6.894	-7.49	-12.34	-13.72	-11.2
6/20/09			3.104	-0.834	-1.863	-3.89	-5.559	-6.692	-7.23	-12.23	-13.7	-11.29
6/21/09			2.771	-0.597	-1.394	-3.371	-5.014	-6.145	-6.713	-11.74	-13.33	-11.01
6/22/09			3.345	-19.88	-1.06	-2.987	-4.577	-5.708	-6.223	-11.39	-13.03	-10.83
6/23/09			3.423	0.227	-0.65	-2.474	-4.065	-5.169	-5.683	-10.85	-12.61	-10.51
6/24/09			3.366	0.3	-0.602	-2.35	-3.889	-5.044	-5.507	-10.75	-12.62	-10.54
6/25/09			4.103	0.846	-0.367	-2.193	-3.707	-4.785	-5.273	-10.59	-12.53	-10.53
6/26/09			4.776	0.785	-0.171	-2.048	-3.562	-4.639	-5.101	-10.43	-12.51	-10.57
6/27/09			5.059	1.4	0.081	-1.925	-3.464	-4.567	-5.055	-10.41	-12.57	-10.73
6/28/09			4.856	1.485	0.243	-1.791	-3.407	-4.536	-5.075	-10.49	-12.76	-10.99
6/29/09			5.66	-1.88	0.462	-1.546	-3.162	-4.342	-4.88	-10.36	-12.68	-10.98
6/30/09			5.198	2.367	0.759	-1.458	-3.1	-4.28	-4.819	-10.38	-12.81	-11.18
7/1/09			3.869	1.6	0.745	-1.317	-2.935	-4.115	-4.706	-10.32	-12.83	-11.33
7/2/09			3.157	0.74	0.508	-1.142	-2.735	-3.889	-4.453	-10.08	-12.7	-11.28
7/3/09			3.81	1.179	0.558	-1.143	-2.658	-3.813	-4.351	-10.03	-12.73	-11.37
7/4/09			2.928	0.668	0.461	-1.111	-2.576	-3.653	-4.192	-9.89	-12.67	-11.39
7/5/09			2.315	-0.843	0.344	-1.126	-2.539	-3.591	-4.105	-9.81	-12.69	-11.43
7/6/09			1.893	-0.333	0.132	-1.131	-2.467	-3.468	-3.981	-9.65	-12.55	-11.44
7/7/09			2.614	0.487	0.177	-1.137	-2.422	-3.397	-3.884	-9.55	-12.47	-11.47
7/8/09			2.875	0.797	0.358	-1.086	-2.371	-3.32	-3.807	-9.39	-12.42	-11.44
7/9/09			2.267	0.581	0.271	-1.096	-2.381	-3.305	-3.767	-9.3	-12.38	-11.51
7/10/09			1.457	-0.147	0.008	-1.074	-2.282	-3.232	-3.668	-9.15	-12.28	-11.49
7/11/09			2.836	0.371	0.113	-1.046	-2.228	-3.126	-3.536	-8.98	-12.16	-11.45
7/12/09			2.804	0.648	0.338	-1.003	-2.211	-3.084	-3.545	-8.89	-12.12	-11.49
7/13/09			2.309	0.416	0.287	-0.977	-2.159	-3.032	-3.443	-8.79	-12.03	-11.49
7/14/09			2.946	0.506	0.325	-0.912	-2.069	-2.941	-3.377	-8.67	-11.93	-11.45
7/15/09			0.552	1.64	0.681	-0.84	-2.022	-2.869	-3.279	-8.49	-11.86	-11.48
7/16/09			0.19	2.289	0.94	-0.763	-1.971	-2.844	-3.228	-8.41	-11.83	-11.48
7/17/09			-0.268	2.035	1.05	-0.654	-1.914	-2.787	-3.197	-8.33	-11.74	-11.5
7/18/09			-0.803	1.704	0.978	-0.571	-1.831	-2.704	-3.115	-8.19	-11.69	-11.52
7/19/09			-0.66	1.899	1.069	-0.48	-1.714	-2.613	-3.023	-8.07	-11.56	-11.48
7/20/09			-0.222	2.289	1.302	-0.377	-1.637	-2.51	-2.946	-7.97	-11.48	-11.48
7/21/09			-1.457	2.471	1.51	-0.248	-1.56	-2.408	-2.844	-7.84	-11.4	-11.45
7/22/09			-1.626	2.25	1.47	-0.159	-1.446	-2.345	-2.781	-7.75	-11.39	-11.47
7/23/09			-3.602	1.574	1.289	-0.107	-1.317	-2.217	-2.653	-7.62	-11.28	-11.44
7/24/09			-1.965	1.413	1.102	-0.087	-1.22	-2.119	-2.581	-7.49	-11.18	-11.42
7/25/09			-1.257	2.231	1.478	0.005	-1.154	-2.079	-2.464	-7.4	-11.08	-11.43
7/26/09			-1.078	2.725	1.789	0.107	-1.103	-1.977	-2.413	-7.3	-11	-11.37
7/27/09			1.441	2.689	1.909	0.174	-1.089	-1.937	-2.348	-7.21	-10.99	-11.39
7/28/09			0.111	-1.46	1.665	0.163	-1.048	-1.923	-2.308	-7.12	-10.92	-11.41
7/29/09			-0.894	-0.043	1.198	0.112	-0.997	-1.846	-2.282	-7.01	-10.84	-11.38
7/30/09			-0.903	-0.285	0.8	-0.001	-0.954	-1.777	-2.188	-6.943	-10.74	-11.36
7/31/09			-0.669	0.362	0.828	0.027	-0.927	-1.724	-2.109	-6.812	-10.66	-11.33
8/1/09			0.276	1.311	1.156	0.096	-0.909	-1.681	-2.092	-6.664	-10.59	-11.28
8/2/09			0.258	1.086	1.423	0.155	-0.876	-1.648	-2.007	-6.555	-10.5	-11.28
8/3/09			0.92	-38.95	1.62	0.222	-0.86	-1.606	-1.965	-6.46	-10.43	-11.23
8/4/09			1.154	-35.47	1.828	0.301	-0.834	-1.605	-1.939	-6.33	-10.35	-11.23
8/5/09			0.875	-45.31	1.938	0.332	-0.829	-1.6	-1.934	-6.249	-10.32	-11.23
8/6/09			-2.221	2.583	1.959	0.353	-0.859	-1.579	-1.964	-6.227	-10.27	-11.26
8/7/09			-2.987	2.068	1.938	0.409	-0.7	-1.549	-1.908	-6.197	-10.27	-11.23

LRD LANDFILL THERMISTOR DATA - #LRD4

Bulb Depth	TH4_1 Above Ground	TH4_2 Above Ground	TH4_3 0.06 M	TH4_4 0.31 M	TH4_5 0.56 M	TH4_6 0.81 M	TH4_7 1.06 M	TH4_8 1.31 M	TH4_9 1.81 M	TH4_10 3.81 M	TH4_11 5.81 M	TH4_12 9.81 M
8/8/09			-0.725	1.756	1.652	0.384	-0.725	-1.523	-1.857	-6.119	-10.16	-11.23
8/9/09			-0.087	-2.171	1.646	0.351	-0.731	-1.503	-1.837	-6.022	-10.11	-11.2
8/10/09			-0.575	-2.348	1.726	0.38	-0.729	-1.475	-1.809	-5.994	-10.06	-11.2
8/11/09			-0.287	2.016	1.808	0.436	-0.699	-1.445	-1.779	-5.939	-10	-11.2
8/12/09			-2.18	-45.23	1.691	0.421	-0.714	-1.434	-1.743	-5.878	-9.97	-11.16
8/13/09			-0.117	1.254	1.357	0.348	-0.71	-1.405	-1.739	-5.849	-9.88	-11.14
8/14/09			-0.719	-45.6	0.933	0.209	-0.719	-1.388	-1.697	-5.805	-9.81	-11.12
8/15/09			-1.846	-46.73	0.887	0.163	-0.688	-1.383	-1.666	-5.698	-9.75	-11.08
8/16/09			-1.472	0.823	0.952	0.151	-0.7	-1.369	-1.652	-5.631	-9.68	-11.07
8/17/09			-1.466	-49.5	1.192	0.235	-0.668	-1.337	-1.62	-5.574	-9.65	-11.04
8/18/09			-1.493	-49.42	1.139	0.233	-0.669	-1.338	-1.596	-5.524	-9.57	-11.01
8/19/09			-1.82	-39.63	1.068	0.215	-0.688	-1.306	-1.589	-5.466	-9.52	-11.03
8/20/09			-1.923	-49.26	0.913	0.189	-0.662	-1.306	-1.563	-5.415	-9.46	-10.98
8/21/09			-2.532	0.275	0.844	0.146	-0.68	-1.298	-1.555	-5.382	-9.41	-10.94
8/22/09			-2.967	-0.164	0.663	0.095	-0.654	-1.272	-1.555	-5.356	-9.33	-10.97
8/23/09			-3.575	-0.593	0.414	0.026	-0.67	-1.263	-1.546	-5.322	-9.29	-10.91
8/24/09			-3.529	-0.779	0.227	-0.083	-0.676	-1.268	-1.5	-5.276	-9.27	-10.89
8/25/09			-3.508	-2.276	0.17	-0.062	-0.681	-1.273	-1.479	-5.229	-9.17	-10.86
8/26/09			-3.078	-5.749	0.292	-0.043	-0.688	-1.228	-1.46	-5.157	-9.1	-10.82
8/27/09			-2.268	-0.003	0.539	-0.003	-0.674	-1.24	-1.446	-5.116	-9.05	-10.77
8/28/09			-1.574	1.005	0.927	0.074	-0.699	-1.239	-1.445	-5.09	-9	-10.74
8/29/09			-1.897	0.758	1.017	0.112	-0.662	-1.228	-1.434	-5.08	-8.96	-10.76
8/30/09			-1.82	0.447	1.016	0.111	-0.662	-1.229	-1.434	-5.081	-8.94	-10.74
8/31/09			-2.539	-2.77	0.81	0.086	-0.688	-1.254	-1.408	-5.055	-8.86	-10.71
9/1/09			-2.59	-2.898	0.654	0.06	-0.662	-1.228	-1.408	-5.029	-8.81	-10.68
9/2/09			-2.462	-2.898	0.629	0.035	-0.662	-1.228	-1.434	-4.977	-8.78	-10.66
9/3/09			-2.565	-2.745	0.654	0.034	-0.662	-1.229	-1.409	-4.952	-8.73	-10.63
9/4/09			-2.913	-4.608	0.615	0.046	-0.676	-1.191	-1.423	-4.916	-8.67	-10.62
9/5/09			-3.729	-5.219	0.311	-0.025	-0.644	-1.211	-1.391	-4.859	-8.64	-10.59
9/6/09			-4.34	-52.02	0.007	-0.097	-0.664	-1.205	-1.386	-4.828	-8.61	-10.56
9/7/09			-4.269	-53.34	-0.18	-0.18	-0.722	-1.186	-1.366	-4.808	-8.56	-10.54
9/8/09			-4.445	-54.06	-0.254	-0.203	-0.718	-1.208	-1.362	-4.779	-8.5	-10.51
9/9/09			-4.623	-54.15	-0.277	-0.226	-0.716	-1.18	-1.36	-4.751	-8.5	-10.48
9/10/09			-4.597	-54.33	-0.277	-0.252	-0.716	-1.205	-1.334	-4.726	-8.42	-10.48
9/11/09			-6.131	-25.37	-0.317	-0.24	-0.73	-1.194	-1.348	-4.69	-8.36	-10.44
9/12/09			-6.756	-1.405	-0.297	-0.271	-0.762	-1.199	-1.354	-4.643	-8.34	-10.42
9/13/09			-0.605	-25.37	-0.347	-0.295	-0.811	-1.223	-1.378	-4.616	-8.29	-10.39
9/14/09			-0.51	-1.411	-0.329	-0.329	-0.793	-1.283	-1.36	-4.597	-8.24	-10.4
9/15/09			-0.361	-3.113	-0.335	-0.387	-0.851	-1.263	-1.366	-4.602	-8.25	-10.32
9/16/09			-0.381	-1.514	-0.355	-0.406	-0.871	-1.283	-1.386	-4.546	-8.16	-10.35
9/17/09			-0.458	-2.208	-0.381	-0.458	-0.896	-1.308	-1.411	-4.52	-8.14	-10.29
9/18/09			-1.112	-2.012	-0.493	-0.519	-0.957	-1.369	-1.421	-4.505	-8.1	-10.31
9/19/09			-2.083	-36.87	-0.666	-0.589	-1.027	-1.388	-1.491	-4.499	-8.07	-10.25
9/20/09			-2.597	-2.546	-0.95	-0.718	-1.105	-1.44	-1.491	-4.473	-8.04	-10.22
9/21/09			-3.897	-3.486	-1.557	-1.016	-1.222	-1.531	-1.531	-4.463	-8	-10.21
9/22/09			-6.698	-4.635	-2.295	-1.445	-1.523	-1.651	-1.626	-4.429	-7.97	-10.21
9/23/09			-4.396	-57.24	-2.752	-1.954	-2.006	-1.929	-1.749	-4.422	-7.93	-10.17
9/24/09			-4.449	-56.28	-3.087	-2.393	-2.393	-2.238	-1.955	-4.423	-7.88	-10.14
9/25/09			-4.473	-50.82	-3.291	-2.7	-2.7	-2.52	-2.186	-4.422	-7.86	-10.12
9/26/09			-5.034	-52.54	-3.62	-2.952	-2.977	-2.797	-2.412	-4.417	-7.83	-10.08
9/27/09			-5.424	-51.07	-3.932	-3.264	-3.264	-3.033	-2.647	-4.395	-7.8	-10.09
9/28/09			-5.297	-5.863	-4.139	-3.522	-3.497	-3.291	-2.854	-4.396	-7.75	-10.06
9/29/09			-5.271	-5.915	-4.268	-3.702	-3.702	-3.497	-3.086	-4.396	-7.73	-10.04
9/30/09			-5.199	-6.126	-4.401	-3.888	-3.862	-3.656	-3.245	-4.401	-7.68	-9.99
10/1/09			-5.358	-6.415	-4.381	-3.996	-4.021	-3.816	-3.405	-4.407	-7.68	-9.97
10/2/09			-4.458	-54.33	-4.304	-4.021	-4.073	-3.919	-3.508	-4.432	-7.63	-9.94
10/3/09			-5.116	-53.25	-4.422	-4.088	-4.113	-3.985	-3.6	-4.499	-7.62	-9.93
10/4/09			-6.292	-52.54	-4.797	-4.231	-4.257	-4.103	-3.717	-4.489	-7.59	-9.92
10/5/09			-6.344	-7.61	-5.08	-4.489	-4.463	-4.257	-3.846	-4.514	-7.56	-9.89
10/6/09			-6.499	-7.85	-5.261	-4.644	-4.644	-4.412	-4.001	-4.541	-7.54	-9.84
10/7/09			-6.224	-51.67	-5.348	-4.833	-4.808	-4.576	-4.191	-4.576	-7.52	-9.85
10/8/09			-7.41	-8.14	-5.601	-4.957	-4.931	-4.699	-4.287	-4.596	-7.52	-9.82
10/9/09			-8.42	-8.42	-6.087	-5.184	-5.133	-4.875	-4.438	-4.643	-7.49	-9.79
10/10/09			-9.24	-9.16	-6.634	-5.523	-5.42	-5.111	-4.648	-4.673	-7.46	-9.8
10/11/09			-9.48	-9.51	-7.02	-5.833	-5.756	-5.369	-4.854	-4.725	-7.46	-9.74
10/12/09			-10.16	-10.32	-7.4	-6.159	-6.055	-5.642	-5.075	-4.74	-7.43	-9.73
10/13/09			-9.1	-9.79	-7.48	-6.421	-6.344	-5.879	-5.312	-4.797	-7.43	-9.71
10/14/09			-8.86	-9.51	-7.4	-6.54	-6.489	-6.075	-5.508	-4.838	-7.42	-9.7
10/15/09			-9.57	-56.18	-7.63	-6.696	-6.618	-6.179	-5.637	-4.864	-7.4	-9.67
10/16/09			-9.48	-14.39	-7.72	-6.815	-6.764	-6.35	-5.807	-4.931	-7.39	-9.64
10/17/09			-10.86	-11.46	-8.03	-6.942	-6.89	-6.475	-5.932	-4.977	-7.38	-9.64
10/18/09			-11.47	-12.02	-8.55	-7.22	-7.12	-6.676	-6.107	-5.023	-7.38	-9.6
10/19/09			-11.72	-12.07	-8.92	-7.53	-7.43	-6.909	-6.314	-5.075	-7.38	-9.6

LRD LANDFILL THERMISTOR DATA - #LRD4

Bulb	TH4_1	TH4_2	TH4_3	TH4_4	TH4_5	TH4_6	TH4_7	TH4_8	TH4_9	TH4_10	TH4_11	TH4_12
Depth	Above Ground	Above Ground	0.06 M	0.31 M	0.56 M	0.81 M	1.06 M	1.31 M	1.81 M	3.81 M	5.81 M	9.81 M
10/20/09			-11.18	-21.13	-9.01	-7.75	-7.65	-7.13	-6.505	-5.137	-7.36	-9.56
10/21/09			-11.42	-11.96	-9.07	-7.92	-7.82	-7.3	-6.674	-5.176	-7.37	-9.55
10/22/09			-12.12	-14.37	-9.38	-8.07	-7.99	-7.47	-6.847	-5.219	-7.37	-9.51
10/23/09			-12.68	-12.52	-9.69	-8.3	-8.19	-7.64	-7.02	-5.312	-7.36	-9.5
10/24/09			-13.33	-13.16	-10.07	-8.56	-8.43	-7.86	-7.21	-5.37	-7.36	-9.48
10/25/09			-13.74	-13.86	-10.41	-8.82	-8.69	-8.09	-7.41	-5.441	-7.36	-9.45
10/26/09			-13.39	-14.03	-10.58	-9.07	-8.93	-8.33	-7.6	-5.529	-7.39	-9.43
10/27/09			-13.44	-14.09	-10.71	-9.25	-9.12	-8.51	-7.81	-5.606	-7.37	-9.43
10/28/09			-13.44	-14.12	-10.79	-9.41	-9.28	-8.67	-7.97	-5.684	-7.37	-9.41
10/29/09			-14.03	-20.29	-11.02	-9.56	-9.43	-8.85	-8.14	-5.751	-7.38	-9.4
10/30/09			-14.65	-15.11	-11.37	-9.8	-9.64	-9.03	-8.3	-5.828	-7.41	-9.37
10/31/09			-14.77	-15.58	-11.67	-10.03	-9.88	-9.24	-8.51	-5.906	-7.41	-9.35
11/1/09			-15.45	-16.16	-12.02	-10.29	-10.11	-9.44	-8.71	-5.973	-7.43	-9.34
11/2/09			-16.9	-15.94	-12.58	-10.62	-10.41	-9.72	-8.92	-6.057	-7.43	-9.32
11/3/09			-18.28	-17.38	-13.35	-11.04	-10.8	-10.05	-9.18	-6.15	-7.45	-9.31
11/4/09			-18.36	-18.23	-13.92	-11.52	-11.28	-10.42	-9.49	-6.222	-7.47	-9.3
11/5/09			-18.55	-18.52	-14.26	-11.9	-11.63	-10.76	-9.8	-6.3	-7.47	-9.28
11/6/09			-18.23	-17.61	-14.44	-12.23	-11.98	-11.09	-10.1	-6.377	-7.49	-9.28
11/7/09			-17.48	-17.26	-14.43	-12.42	-12.14	-11.3	-10.36	-6.485	-7.52	-9.25
11/8/09			-17.47	-17.29	-14.45	-12.63	-12.35	-11.56	-10.59	-6.579	-7.54	-9.24
11/9/09			-17.92	-51.31	-14.58	-12.7	-12.45	-11.63	-10.76	-6.688	-7.57	-9.22
11/10/09			-18.93	-19.48	-15	-12.88	-12.63	-11.78	-10.94	-6.782	-7.59	-9.21
11/11/09			-17.87	-52.88	-15.08	-13.1	-12.85	-11.97	-11.13	-6.89	-7.62	-9.19
11/12/09			-16.84	-17.14	-14.86	-13.19	-12.97	-12.09	-11.3	-7	-7.65	-9.17
11/13/09			-15.74	-57.53	-14.47	-13.2	-13.01	-12.18	-11.39	-7.12	-7.66	-9.15
11/14/09			-14.96	-55.24	-14.07	-13.06	-12.9	-12.18	-11.45	-7.22	-7.69	-9.15
11/15/09			-13.82	-14.73	-13.6	-12.9	-12.77	-12.13	-11.45	-7.36	-7.72	-9.11
11/16/09			-12.72	-14.06	-13.13	-12.66	-12.58	-12.06	-11.38	-7.47	-7.76	-9.12
11/17/09			-12.46	-14.45	-12.6	-12.35	-12.3	-11.92	-11.29	-7.57	-7.8	-9.11
11/18/09			-13.61	-14.12	-12.61	-12.14	-12.06	-11.71	-11.19	-7.7	-7.84	-9.09
11/19/09			-15.83	-52.09	-13.22	-12.17	-12.04	-11.63	-11.17	-7.78	-7.89	-9.09
11/20/09			-17.29	-16.93	-14	-12.49	-12.22	-11.73	-11.19	-7.9	-7.93	-9.08
11/21/09			-18.11	-17.61	-14.75	-12.89	-12.53	-11.93	-11.3	-7.96	-7.96	-9.07
11/22/09			-17.78	-18.69	-15.06	-13.27	-12.85	-12.19	-11.46	-8.11	-8.01	-9.06
11/23/09			-17.35	-17.35	-15.08	-13.49	-13.07	-12.38	-11.62	-8.14	-8.06	-9.06
11/24/09			-16.01	-24.59	-14.84	-13.59	-13.2	-12.51	-11.74	-8.24	-8.11	-9.05
11/25/09			-15.62	-25.89	-14.49	-13.53	-13.16	-12.56	-11.82	-8.31	-8.15	-9.04
11/26/09			-15.5	-25.97	-14.35	-13.44	-13.08	-12.5	-11.87	-8.38	-8.2	-9.01
11/27/09			-15.13	-15.92	-14.21	-13.4	-13.03	-12.48	-11.91	-8.47	-8.24	-9.02
11/28/09			-14.81	-15.36	-13.98	-13.31	-12.98	-12.48	-11.96	-8.55	-8.29	-8.99
11/29/09			-15.3	-15.65	-14.01	-13.22	-12.91	-12.47	-11.98	-8.62	-8.33	-9.01
11/30/09			-16.23	-16.46	-14.31	-13.29	-12.93	-12.49	-11.99	-8.71	-8.37	-9
12/1/09			-16.95	-16.95	-14.77	-13.49	-13.04	-12.55	-12.03	-8.79	-8.4	-8.98
12/2/09			-16.93	-20.88	-15.03	-13.75	-13.22	-12.64	-12.12	-8.86	-8.44	-8.99
12/3/09			-16.68	-19.64	-15.06	-13.89	-13.36	-12.77	-12.22	-8.93	-8.49	-8.98
12/4/09			-15.33	-20.61	-14.78	-13.9	-13.45	-12.87	-12.32	-8.97	-8.52	-8.97
12/5/09			-15.63	-16.55	-14.42	-13.74	-13.43	-12.93	-12.4	-9.05	-8.57	-8.97
12/6/09			-18.35	-18.57	-15.18	-13.8	-13.38	-12.91	-12.44	-9.11	-8.63	-8.98
12/7/09			-20.09	-19.3	-16.22	-14.27	-13.59	-13.01	-12.48	-9.2	-8.67	-8.96
12/8/09			-22.19	-20.86	-17.36	-14.89	-14	-13.25	-12.63	-9.24	-8.71	-8.97
12/9/09			-23.73	-22.19	-18.42	-15.59	-14.49	-13.58	-12.86	-9.32	-8.76	-8.97
12/10/09			-30.93	-23.31	-19.31	-16.29	-15.02	-13.99	-13.18	-9.38	-8.8	-8.96
12/11/09			-25.59	-24.33	-20.17	-16.92	-15.58	-14.42	-13.51	-9.44	-8.83	-8.96
12/12/09			-25.32	-24.53	-20.65	-17.55	-16.12	-14.89	-13.89	-9.5	-8.87	-8.95
12/13/09			-25.01	-24.34	-20.83	-17.99	-16.61	-15.33	-14.26	-9.59	-8.9	-8.95
12/14/09			-23.8	-26.57	-20.75	-18.27	-16.97	-15.71	-14.64	-9.67	-8.96	-8.96
12/15/09			-21.9	-22.3	-20.05	-18.27	-17.19	-16.01	-14.93	-9.76	-8.99	-8.97
12/16/09			-21.13	-21.48	-19.42	-18.01	-17.15	-16.12	-15.16	-9.86	-9.04	-8.96
12/17/09			-20.73	-21	-19.1	-17.77	-17.06	-16.16	-15.28	-9.97	-9.07	-8.97
12/18/09			-20.82	-20.92	-18.9	-17.61	-17	-16.15	-15.33	-10.12	-9.12	-8.96
12/19/09			-20.36	-20.77	-18.85	-17.56	-16.92	-16.14	-15.38	-10.22	-9.16	-8.98
12/20/09			-18.89	-19.96	-18.31	-17.41	-16.89	-16.11	-15.41	-10.36	-9.19	-8.98
12/21/09			-19.97	-20	-18.13	-17.17	-16.75	-16.09	-15.44	-10.46	-9.27	-8.98
12/22/09			-21.56	-21.74	-18.59	-17.16	-16.64	-15.99	-15.4	-10.58	-9.31	-8.96
12/23/09			-21.85	-21.82	-19.05	-17.41	-16.74	-16.02	-15.41	-10.67	-9.37	-8.97
12/24/09			-23.54	-23.06	-19.62	-17.7	-16.93	-16.15	-15.47	-10.78	-9.42	-8.97
12/25/09			-22.54	-22.76	-19.95	-18.01	-17.15	-16.3	-15.59	-10.87	-9.46	-8.99
12/26/09			-21.55	-26.29	-19.72	-18.18	-17.37	-16.49	-15.75	-10.99	-9.52	-8.99
12/27/09			-21.85	-21.71	-19.54	-18.12	-17.44	-16.62	-15.9	-11.04	-9.57	-8.99
12/28/09			-22.1	-21.96	-19.71	-18.16	-17.48	-16.69	-15.97	-11.11	-9.64	-9
12/29/09			-23.32	-22.88	-20.09	-18.3	-17.58	-16.76	-16.07	-11.19	-9.7	-9.01
12/30/09			-24.26	-23.62	-20.65	-18.62	-17.76	-16.9	-16.18	-11.3	-9.74	-9.03
12/31/09			-25.91	-27.63	-21.47	-19.02	-18.03	-17.1	-16.32	-11.39	-9.8	-9.01

LRD LANDFILL THERMISTOR DATA - #LRD4

Bulb	TH4_1	TH4_2	TH4_3	TH4_4	TH4_5	TH4_6	TH4_7	TH4_8	TH4_9	TH4_10	TH4_11	TH4_12
Depth	Above Ground	Above Ground	0.06 M	0.31 M	0.56 M	0.81 M	1.06 M	1.31 M	1.81 M	3.81 M	5.81 M	9.81 M
1/1/10			-26.59	-25.72	-22.26	-19.56	-18.4	-17.37	-16.51	-11.46	-9.85	-9.03
1/2/10			-25.49	-25.09	-22.27	-19.96	-18.81	-17.71	-16.79	-11.55	-9.91	-9.04
1/3/10			-24.44	-24.52	-22.07	-20.11	-19.06	-17.95	-17.06	-11.65	-9.96	-9.06
1/4/10			-25.28	-24.77	-22.01	-20.08	-19.16	-18.14	-17.24	-11.73	-10.01	-9.05
1/5/10			-26.05	-25.45	-22.41	-20.22	-19.26	-18.24	-17.4	-11.84	-10.07	-9.06
1/6/10			-27.07	-26.19	-22.86	-20.47	-19.44	-18.41	-17.56	-11.95	-10.12	-9.08
1/7/10			-28.11	-27.03	-23.53	-20.84	-19.7	-18.6	-17.72	-12.04	-10.18	-9.09
1/8/10			-28.78	-27.85	-24.13	-21.29	-20.06	-18.88	-17.93	-12.17	-10.25	-9.11
1/9/10			-28.87	-27.94	-24.48	-21.71	-20.4	-19.18	-18.19	-12.29	-10.31	-9.11
1/10/10			-28.87	-28.11	-24.76	-22.03	-20.71	-19.48	-18.44	-12.4	-10.34	-9.12
1/11/10			-28.7	-28.08	-24.92	-22.29	-21.03	-19.75	-18.71	-12.49	-10.4	-9.13
1/12/10			-28.21	-27.73	-24.85	-22.48	-21.24	-20.02	-18.97	-12.61	-10.46	-9.13
1/13/10			-28.69	-28.03	-24.95	-22.57	-21.4	-20.2	-19.15	-12.73	-10.53	-9.14
1/14/10			-29.41	-28.55	-25.26	-22.74	-21.56	-20.36	-19.33	-12.86	-10.6	-9.16
1/15/10			-28.35	-28.09	-25.25	-22.92	-21.73	-20.53	-19.53	-12.98	-10.66	-9.17
1/16/10			-27.68	-27.38	-24.84	-22.91	-21.9	-20.72	-19.71	-13.1	-10.72	-9.18
1/17/10			-30.03	-28.16	-25.11	-22.9	-21.89	-20.78	-19.84	-13.23	-10.77	-9.2
1/18/10			-30.15	-29.13	-25.69	-23.14	-22.02	-20.9	-19.95	-13.35	-10.83	-9.2
1/19/10			-30.83	-29.83	-26.32	-23.52	-22.28	-21.08	-20.1	-13.48	-10.9	-9.22
1/20/10			-30.17	-29.56	-26.45	-23.84	-22.58	-21.33	-20.34	-13.6	-10.96	-9.23
1/21/10			-29.79	-29.28	-26.37	-23.99	-22.79	-21.58	-20.54	-13.71	-11.04	-9.25
1/22/10			-29.25	-28.97	-26.29	-24.07	-22.95	-21.73	-20.72	-13.83	-11.11	-9.26
1/23/10			-28.98	-28.75	-26.14	-24.08	-23.03	-21.84	-20.87	-13.96	-11.17	-9.27
1/24/10			-28.09	-28.04	-25.81	-24.04	-23.1	-21.94	-21	-14.07	-11.25	-9.3
1/25/10			-27.87	-27.78	-25.53	-23.89	-23.03	-21.98	-21.07	-14.21	-11.33	-9.3
1/26/10			-26.56	-26.85	-25.06	-23.71	-22.96	-21.99	-21.11	-14.33	-11.39	-9.31
1/27/10			-25.58	-26.15	-24.56	-23.45	-22.83	-21.93	-21.16	-14.43	-11.46	-9.35
1/28/10			-25.89	-25.93	-24.19	-23.18	-22.63	-21.8	-21.11	-14.55	-11.55	-9.35
1/29/10			-27.81	-27.21	-24.64	-23.09	-22.47	-21.72	-21.06	-14.65	-11.61	-9.36
1/30/10			-27.74	-27.53	-25.09	-23.33	-22.56	-21.7	-21.04	-14.76	-11.69	-9.38
1/31/10			-27.26	-27.13	-24.97	-23.43	-22.7	-21.8	-21.07	-14.84	-11.76	-9.4
2/1/10			-27.61	-27.31	-25.01	-23.43	-22.73	-21.84	-21.14	-14.95	-11.84	-9.43
2/2/10			-26.81	-26.89	-24.9	-23.44	-22.78	-21.92	-21.18	-15.05	-11.91	-9.44
2/3/10			-26.59	-26.54	-24.58	-23.36	-22.77	-21.91	-21.24	-15.13	-11.98	-9.45
2/4/10			-27.13	-26.88	-24.65	-23.28	-22.69	-21.9	-21.24	-15.24	-12.06	-9.48
2/5/10			-28.03	-27.51	-24.96	-23.35	-22.65	-21.86	-21.23	-15.32	-12.13	-9.49
2/6/10			-27.99	-27.6	-25.2	-23.51	-22.77	-21.94	-21.27	-15.39	-12.19	-9.5
2/7/10			-27.77	-27.47	-25.2	-23.61	-22.87	-22.01	-21.34	-15.47	-12.27	-9.55
2/8/10			-28.38	-27.86	-25.39	-23.69	-22.94	-22.07	-21.4	-15.52	-12.32	-9.55
2/9/10			-28.21	-27.86	-25.48	-23.81	-23.02	-22.15	-21.48	-15.59	-12.39	-9.58
2/10/10			-27.78	-27.65	-25.45	-23.85	-23.1	-22.23	-21.56	-15.63	-12.48	-9.62
2/11/10			-27.44	-27.39	-25.29	-23.85	-23.18	-22.3	-21.63	-15.69	-12.53	-9.62
2/12/10			-26.36	-26.73	-24.98	-23.79	-23.15	-22.32	-21.64	-15.76	-12.6	-9.64
2/13/10			-25.11	-25.67	-24.37	-23.53	-23.05	-22.29	-21.69	-15.83	-12.67	-9.67
2/14/10			-25.33	-25.41	-23.97	-23.22	-22.85	-22.17	-21.64	-15.9	-12.73	-9.68
2/15/10			-24.22	-24.84	-23.62	-22.95	-22.66	-22.05	-21.55	-15.98	-12.79	-9.71
2/16/10			-23.91	-24.52	-23.24	-22.69	-22.47	-21.9	-21.44	-16.04	-12.86	-9.72
2/17/10			-23.21	-23.84	-22.84	-22.44	-22.26	-21.73	-21.34	-16.07	-12.93	-9.76
2/18/10			-24.62	-24.42	-22.81	-22.2	-22.05	-21.59	-21.25	-16.13	-12.98	-9.78
2/19/10			-27.33	-26.7	-23.64	-22.28	-21.96	-21.47	-21.12	-16.2	-13.03	-9.83
2/20/10			-28.82	-27.8	-24.67	-22.75	-22.13	-21.5	-21.08	-16.22	-13.11	-9.83
2/21/10			-29.33	-28.43	-25.43	-23.27	-22.47	-21.68	-21.16	-16.26	-13.15	-9.87
2/22/10			-29.51	-28.6	-25.71	-23.68	-22.83	-21.93	-21.33	-16.29	-13.21	-9.89
2/23/10			-28.63	-28.32	-25.82	-23.93	-23.04	-22.17	-21.5	-16.32	-13.26	-9.92
2/24/10			-25.43	-26.37	-25	-23.88	-23.21	-22.33	-21.66	-16.34	-13.31	-9.92
2/25/10			-22.77	-24.49	-23.8	-23.36	-23.02	-22.33	-21.73	-16.37	-13.37	-9.97
2/26/10			-25.44	-25.44	-23.58	-22.84	-22.66	-22.12	-21.66	-16.42	-13.44	-9.98
2/27/10			-27.67	-27.07	-24.4	-22.97	-22.53	-21.96	-21.53	-16.46	-13.48	-10.01
2/28/10			-29.68	-28.68	-25.49	-23.4	-22.7	-22.02	-21.52	-16.51	-13.52	-10.02
3/1/10			-30.63	-29.69	-26.35	-23.97	-23.07	-22.2	-21.63	-16.54	-13.58	-10.06
3/2/10			-31.12	-30.3	-26.98	-24.51	-23.48	-22.49	-21.81	-16.58	-13.64	-10.09
3/3/10			-30.6	-30.12	-27.21	-24.88	-23.84	-22.8	-22.07	-16.62	-13.69	-10.11
3/4/10			-29.71	-29.57	-27.09	-25.12	-24.11	-23.06	-22.3	-16.66	-13.72	-10.14
3/5/10			-29.29	-29.2	-26.87	-25.12	-24.26	-23.24	-22.51	-16.72	-13.77	-10.16
3/6/10			-29.56	-29.29	-26.83	-25.11	-24.29	-23.35	-22.61	-16.78	-13.83	-10.19
3/7/10			-29.52	-29.34	-26.96	-25.16	-24.34	-23.43	-22.73	-16.84	-13.86	-10.25
3/8/10			-29.93	-29.6	-27.03	-25.27	-24.44	-23.49	-22.79	-16.89	-13.9	-10.26
3/9/10			-28.81	-29.08	-26.93	-25.33	-24.55	-23.59	-22.89	-16.95	-13.96	-10.29
3/10/10			-26.4	-27.72	-26.24	-25.19	-24.56	-23.65	-22.98	-17	-14.01	-10.31
3/11/10			-25.18	-26.27	-25.26	-24.71	-24.32	-23.6	-23.01	-17.08	-14.03	-10.33
3/12/10			-25.61	-26.14	-24.77	-24.23	-24	-23.4	-22.92	-17.16	-14.1	-10.36
3/13/10			-26.14	-26.43	-24.82	-24.04	-23.78	-23.22	-22.78	-17.19	-14.13	-10.39
3/14/10			-25.38	-26.11	-24.75	-23.98	-23.68	-23.08	-22.68	-17.26	-14.2	-10.41

LRD LANDFILL THERMISTOR DATA - #LRD4

Bulb Depth	TH4_1 Above Ground	TH4_2 Above Ground	TH4_3 0.06 M	TH4_4 0.31 M	TH4_5 0.56 M	TH4_6 0.81 M	TH4_7 1.06 M	TH4_8 1.31 M	TH4_9 1.81 M	TH4_10 3.81 M	TH4_11 5.81 M	TH4_12 9.81 M
3/15/10			-25.69	-26.06	-24.54	-23.82	-23.55	-23.03	-22.63	-17.34	-14.24	-10.45
3/16/10			-25.78	-26.19	-24.63	-23.75	-23.45	-22.93	-22.53	-17.39	-14.28	-10.46
3/17/10			-26.09	-26.26	-24.58	-23.73	-23.4	-22.88	-22.48	-17.43	-14.35	-10.49
3/18/10			-26.55	-26.63	-24.77	-23.74	-23.36	-22.81	-22.45	-17.46	-14.38	-10.52
3/19/10			-26.84	-26.88	-24.92	-23.81	-23.39	-22.84	-22.44	-17.49	-14.43	-10.57
3/20/10			-26.67	-26.84	-24.97	-23.89	-23.44	-22.85	-22.45	-17.52	-14.5	-10.58
3/21/10			-26.39	-26.72	-24.98	-23.9	-23.48	-22.85	-22.45	-17.53	-14.53	-10.61
3/22/10			-26.58	-26.71	-24.89	-23.88	-23.51	-22.88	-22.48	-17.58	-14.58	-10.65
3/23/10			-26.63	-26.8	-24.93	-23.89	-23.47	-22.88	-22.48	-17.59	-14.64	-10.66
3/24/10			-26.8	-27.05	-25.01	-23.93	-23.47	-22.88	-22.48	-17.62	-14.67	-10.71
3/25/10			-27.05	-27.05	-25.13	-23.96	-23.51	-22.92	-22.52	-17.65	-14.72	-10.71
3/26/10			-26.43	-26.76	-25.05	-24.01	-23.55	-22.92	-22.52	-17.65	-14.76	-10.74
3/27/10			-25.04	-26.08	-24.72	-23.92	-23.58	-22.95	-22.55	-17.68	-14.79	-10.77
3/28/10			-25.1	-24.36	-23.91	-23.61	-23.42	-22.9	-22.54	-17.71	-14.82	-10.81
3/29/10			-20.87	-22.45	-22.56	-22.96	-23.1	-22.74	-22.48	-17.75	-14.88	-10.84
3/30/10			-21.59	-22.37	-22.01	-22.3	-22.55	-22.37	-22.26	-17.77	-14.9	-10.85
3/31/10			-21.45	-22.37	-21.83	-21.98	-22.22	-22.05	-21.98	-17.8	-14.96	-10.88
4/1/10			-21.25	-22.16	-21.66	-21.77	-21.98	-21.8	-21.8	-17.81	-15	-10.92
4/2/10			-21.55	-22.11	-21.48	-21.55	-21.76	-21.62	-21.58	-17.83	-15.04	-10.93
4/3/10			-20.87	-21.88	-21.35	-21.39	-21.56	-21.42	-21.46	-17.84	-15.08	-10.97
4/4/10			-21.41	-21.86	-21.13	-21.2	-21.41	-21.27	-21.27	-17.83	-15.1	-10.98
4/5/10			-21.94	-22.26	-21.27	-21.14	-21.24	-21.14	-21.14	-17.83	-15.13	-11.01
4/6/10			-21.04	-21.84	-21.14	-21.07	-21.21	-21.04	-21.04	-17.81	-15.17	-11.05
4/7/10			-21.48	-21.83	-20.96	-20.92	-21.09	-20.96	-20.92	-17.8	-15.21	-11.06
4/8/10			-21.69	-22.08	-21.03	-20.86	-20.96	-20.83	-20.83	-17.77	-15.22	-11.1
4/9/10			-20.8	-21.63	-20.9	-20.8	-20.9	-20.73	-20.73	-17.72	-15.26	-11.13
4/10/10			-21.31	-21.69	-20.79	-20.66	-20.79	-20.66	-20.66	-17.71	-15.31	-11.15
4/11/10			-20.5	-21.35	-20.63	-20.6	-20.7	-20.56	-20.56	-17.69	-15.32	-11.19
4/12/10			-21.34	-21.55	-20.55	-20.48	-20.62	-20.45	-20.48	-17.64	-15.36	-11.22
4/13/10			-21.17	-21.63	-20.59	-20.42	-20.53	-20.36	-20.39	-17.62	-15.37	-11.23
4/14/10			-19.57	-20.88	-20.37	-20.37	-20.47	-20.3	-20.3	-17.6	-15.38	-11.28
4/15/10			-17.74	-19.69	-19.69	-20.08	-20.32	-20.22	-20.22	-17.56	-15.4	-11.29
4/16/10			-16.13	-18.36	-18.81	-19.55	-20.01	-20.01	-20.11	-17.55	-15.4	-11.32
4/17/10			-16.1	-18.04	-18.26	-19.03	-19.58	-19.71	-19.88	-17.52	-15.42	-11.34
4/18/10			-16.13	-17.96	-18.02	-18.68	-19.23	-19.39	-19.65	-17.49	-15.46	-11.37
4/19/10			-16.25	-17.92	-17.86	-18.42	-18.96	-19.16	-19.38	-17.46	-15.45	-11.39
4/20/10			-16.81	-18.32	-17.79	-18.26	-18.76	-18.92	-19.21	-17.42	-15.47	-11.44
4/21/10			-16.42	-18.04	-17.76	-18.14	-18.58	-18.74	-19.03	-17.39	-15.48	-11.45
4/22/10			-15.45	-17.49	-17.49	-17.98	-18.45	-18.58	-18.87	-17.33	-15.48	-11.47
4/23/10			-15.37	-16.97	-17	-17.71	-18.24	-18.43	-18.71	-17.31	-15.49	-11.51
4/24/10			-13.78	-16.17	-16.53	-17.35	-17.97	-18.18	-18.53	-17.26	-15.49	-11.52
4/25/10			-19.01	-15.7	-16.02	-16.95	-17.66	-17.93	-18.31	-17.23	-15.49	-11.54
4/26/10			-19.04	-15.23	-15.61	-16.59	-17.32	-17.66	-18.06	-17.16	-15.49	-11.57
4/27/10			-11.99	-16.78	-15.16	-16.22	-17	-17.36	-17.79	-17.09	-15.48	-11.59
4/28/10			-11.34	-15.45	-14.7	-15.86	-16.69	-17.08	-17.57	-17.05	-15.53	-11.61
4/29/10				-14.23	-14.43	-15.49	-16.35	-16.8	-17.32	-16.98	-15.49	-11.65
4/30/10				-14.43	-14.46	-15.32	-16.08	-16.53	-17.07	-16.92	-15.5	-11.68
5/1/10			-13.05	-15.23	-14.51	-15.23	-15.93	-16.35	-16.86	-16.83	-15.49	-11.71
5/2/10				-31.05	-14.51	-15.17	-15.84	-16.2	-16.67	-16.73	-15.49	-11.73
5/3/10				-14.91	-14.54	-15.12	-15.73	-16.08	-16.53	-16.65	-15.47	-11.73
5/4/10				-17.51	-14.41	-15.07	-15.65	-15.97	-16.42	-16.57	-15.47	-11.74
5/5/10				-13.95	-14.07	-14.86	-15.53	-15.85	-16.3	-16.48	-15.44	-11.77
5/6/10				-17.48	-13.78	-14.66	-15.35	-15.71	-16.15	-16.42	-15.44	-11.79
5/7/10				-13.55	-13.64	-14.46	-15.15	-15.55	-15.99	-16.29	-15.41	-11.82
5/8/10				-13.53	-13.58	-14.35	-15	-15.38	-15.85	-16.2	-15.38	-11.85
5/9/10				-13.34	-13.45	-14.21	-14.86	-15.24	-15.71	-16.12	-15.36	-11.85
5/10/10				-13.36	-13.11	-14.01	-14.72	-15.1	-15.56	-16.03	-15.36	-11.88
5/11/10				-13.23	-12.92	-13.82	-14.52	-14.93	-15.42	-15.95	-15.33	-11.88
5/12/10				-13.24	-12.83	-13.66	-14.37	-14.77	-15.26	-15.85	-15.29	-11.92
5/13/10				-13.5	-12.86	-13.55	-14.23	-14.63	-15.12	-15.76	-15.26	-11.95
5/14/10				-13.17	-12.89	-13.53	-14.15	-14.52	-14.98	-15.68	-15.24	-11.96
5/15/10				-12.9	-12.82	-13.48	-14.07	-14.42	-14.87	-15.6	-15.22	-11.97
5/16/10				-14.62	-12.5	-13.33	-13.97	-14.34	-14.77	-15.52	-15.17	-12
5/17/10				-11.41	-12.03	-13.05	-13.8	-14.2	-14.65	-15.43	-15.17	-12
5/18/10			-9.42	-13.26	-11.75	-12.79	-13.56	-14.01	-14.52	-15.36	-15.13	-12.02
5/19/10				-11.61	-11.66	-12.59	-13.36	-13.81	-14.35	-15.27	-15.1	-12.04
5/20/10			-10.06	-11.56	-11.7	-12.49	-13.23	-13.65	-14.19	-15.16	-15.07	-12.05
5/21/10			-10.19	-11.42	-11.56	-12.4	-13.09	-13.51	-14.04	-15.13	-15.02	-12.08
5/22/10			-26.05	-11.4	-11.45	-12.27	-12.98	-13.4	-13.91	-15.02	-15.02	-12.08
5/23/10				-43.7	-11.22	-12.12	-12.86	-13.27	-13.78	-14.91	-14.94	-12.09
5/24/10				-10.43	-10.86	-11.91	-12.68	-13.12	-13.65	-14.84	-14.93	-12.1
5/25/10				-10.33	-10.63	-11.68	-12.49	-12.96	-13.49	-14.73	-14.88	-12.11
5/26/10				-10	-10.42	-11.47	-12.28	-12.78	-13.33	-14.66	-14.86	-12.15

LRD LANDFILL THERMISTOR DATA - #LRD4

Bulb Depth	TH4_1 Above Ground	TH4_2 Above Ground	TH4_3 0.06 M	TH4_4 0.31 M	TH4_5 0.56 M	TH4_6 0.81 M	TH4_7 1.06 M	TH4_8 1.31 M	TH4_9 1.81 M	TH4_10 3.81 M	TH4_11 5.81 M	TH4_12 9.81 M
5/27/10				-9.97	-10.13	-11.25	-12.12	-12.61	-13.17	-14.57	-14.8	-12.15
5/28/10				-8.84	-9.74	-11.01	-11.9	-12.42	-13	-14.49	-14.77	-12.15
5/29/10				-8.87	-9.42	-10.72	-11.66	-12.23	-12.83	-14.4	-14.72	-12.18
5/30/10				-8.29	-9.1	-10.43	-11.42	-12.01	-12.61	-14.26	-14.69	-12.18
5/31/10				-9.61	-8.87	-10.19	-11.18	-11.8	-12.42	-14.18	-14.66	-12.2
6/1/10				-11.16	-8.59	-9.99	-10.97	-11.59	-12.21	-14.07	-14.61	-12.19
6/2/10				-6.773	-8.15	-9.67	-10.76	-11.37	-12.02	-13.99	-14.56	-12.19
6/3/10			-3.138	-6.197	-7.65	-9.34	-10.46	-11.15	-11.83	-13.9	-14.52	-12.21
6/4/10			-3.036	-5.863	-7.26	-8.95	-10.14	-10.88	-11.58	-13.78	-14.49	-12.24
6/5/10			-3.272	-5.97	-7.03	-8.67	-9.82	-10.59	-11.32	-13.68	-14.44	-12.24
6/6/10			-2.53	-5.689	-6.824	-8.41	-9.59	-10.33	-11.08	-13.57	-14.38	-12.24
6/7/10			-10.04		-6.44	-8.15	-9.33	-10.12	-10.84	-13.46	-14.39	-12.24
6/8/10			-10.22		-6.017	-7.78	-9.03	-9.85	-10.59	-13.34	-14.32	-12.26
6/9/10			-9.85		-5.692	-7.42	-8.67	-9.54	-10.31	-13.21	-14.27	-12.24
6/10/10			-7.43		-5.183	-7.01	-8.34	-9.23	-10.04	-13.1	-14.22	-12.25
6/11/10			-3.72		-4.772	-6.626	-8	-8.89	-9.75	-12.96	-14.16	-12.25
6/12/10			-6.532		-4.321	-6.197	-7.59	-8.53	-9.42	-12.8	-14.09	-12.26
6/13/10			-4.248		-3.812	-5.688	-7.16	-8.15	-9.06	-12.71	-14.07	-12.27
6/14/10			-4.057		-3.57	-5.29	-6.758	-7.77	-8.71	-12.55	-14	-12.25
6/15/10					-3.32	-5.039	-6.455	-7.46	-8.4	-12.42	-13.95	-12.28
6/16/10					-2.91	-4.731	-6.171	-7.18	-8.14	-12.31	-13.89	-12.28
6/17/10					-2.376	-4.351	-5.841	-6.898	-7.86	-12.1	-13.81	-12.26
6/18/10			1.285		-1.861	-3.939	-5.48	-6.613	-7.62	-11.96	-13.75	-12.26
6/19/10			1.912		-1.446	-3.5	-5.065	-6.274	-7.28	-11.77	-13.69	-12.26
6/20/10			2.556		-1.04	-3.12	-4.685	-5.919	-6.976	-11.58	-13.64	-12.26
6/21/10			2.743		-0.599	-2.757	-4.348	-5.581	-6.663	-11.52	-13.55	-12.26
6/22/10			2.336		-0.306	-2.441	-4.032	-5.265	-6.371	-11.38	-13.49	-12.28
6/23/10			2.693		-0.133	-2.165	-3.73	-4.988	-6.068	-11.23	-13.44	-12.26
6/24/10			2.999		0.068	-1.94	-3.479	-4.736	-5.816	-11.1	-13.36	-12.26
6/25/10			0.932		0.312	-1.721	-3.261	-4.466	-5.57	-10.95	-13.26	-12.24
6/26/10			6.248		0.775	-1.492	-3.032	-4.262	-5.314	-10.79	-13.18	-12.24
6/27/10			6.465		1.167	-1.232	-2.823	-4.054	-5.106	-10.65	-13.12	-12.21
6/28/10			6.865		1.529	-0.975	-2.593	-3.823	-4.875	-10.49	-13.04	-12.21
6/29/10			7.61		1.858	-0.751	-2.369	-3.625	-4.651	-10.34	-12.96	-12.22
6/30/10			3.541		2.263	-0.478	-2.148	-3.404	-4.429	-10.19	-12.88	-12.2
7/1/10			8.99		2.771	-0.182	-1.931	-3.214	-4.213	-10.05	-12.82	-12.22
7/2/10			8.85		2.927	-0.002	-1.752	-3.009	-4.034	-9.89	-12.74	-12.19
7/3/10			9.54		3.071	0.141	-1.583	-2.84	-3.839	-9.76	-12.64	-12.17
7/4/10			9.63		3.334	0.297	-1.453	-2.685	-3.659	-9.63	-12.55	-12.17
7/5/10			10.63		3.634	0.492	-1.31	-2.542	-3.49	-9.48	-12.45	-12.15
7/6/10			11.49		4.183	0.749	-1.209	-2.415	-3.337	-9.32	-12.4	-12.15
7/7/10			10.41		4.393	0.979	-1.109	-2.316	-3.239	-9.23	-12.33	-12.16
7/8/10			8.73		4.089	1.067	-0.971	-2.204	-3.102	-9.09	-12.27	-12.16
7/9/10			8.3	4.802	3.777	1.043	-0.918	-2.1	-2.972	-8.98	-12.18	-12.16
7/10/10			5.518	4.435	3.28	0.991	-0.868	-2.026	-2.873	-8.86	-12.11	-12.17
7/11/10			3.497	2.583	2.348	0.765	-0.81	-1.942	-2.79	-8.75	-12.02	-12.16
7/12/10			2.888	1.639	1.587	0.473	-0.791	-1.871	-2.693	-8.62	-11.95	-12.14
7/13/10			3.228	1.587	1.405	0.344	-0.791	-1.82	-2.591	-8.52	-11.87	-12.14
7/14/10			3.712	-51.85	1.445	0.332	-0.803	-1.78	-2.55	-8.4	-11.77	-12.12

NOTES:

Signifies data deleted as clearly a malfunction indicated by substantial short term change of temperature.
Original data is available upon request but has been removed to make graphs easier to read and understand.
This normally occurs in spring when must be having a snow melting event.

Signifies the warmest temperature recorded for individual thermistor strings during the calendar year.

APPENDIX 10

Photographic Record of August 2010

Demobilization Activities

Photo #1 - Polaris Mine – Post-Reclamation Camp Area

Photo #2 - Accommodations Before Demobilizing

Photo #3 - Fuel and Supply Storage Areas Before Demobilizing

Photo #4 - Starting to Sort Materials from Supply Containers

Photo # 5 – Starting to Organize Accommodation Units In Preparation for Moving

Photo # 6 – Preparing Two Accommodation Trailers for Moving

Photo #7 – Preparing Small Accommodation Trailer on Skid

Photo #8 – Preparing Wood Accommodation Building to Move

Photo #9 – Towing Small Accommodation Trailer to Staging Area

Photo #10 – Towing Wheeled Trailers to Staging Area

Photo #11 – Moving Sea Container to Place on Towing Skid

Photo #12 – Placing Sea Container on Towing Skid

Photo #13 – Preparing Skid / Sea Container to Tow to Staging Area

Photo #14 – Camp Trailers and Sec Containers at Staging Area

Photo #15 – Small Area of Hydrocarbon Contamination Near Original Accomodation Building

Photo #16 – Digging Up Contaminated Soils Shown in Photograph #15

Photo #17 – Draining Parts Washer Reservoir To Prepare It for Shipping

Photo #18 – Starting To Expose Liner of Fuel Containment Area

Photo #19 – Fuel Storage Spill Containment Area - Removing Dirt Cover from Liner on Berm

2010 Demobilization Activities – Decommissioning of Fuel Storage Facilities & Hydrocarbon Clean-up

Photo #20 – Removing Protective Cover From Fuel Containment Liner

Photo #21 – Removing Liner from Top of Dirt Berm

Photo #22 – Collecting Liner for Storage and Shipping Off Site

Photo #23 – Burning Excess Fuel

Photo #24 – Burning Excess Fuel

Photo #25 – Cutting Out Containment Liner Over Top of Berm (Note the integrity of the liner)

Photo #26 - Re-grading Fuel Containment Area Berm

Photo #27 – Intact Liner Below Fuel Storage Tanks

Photo #28 – Intact Liner Below Fuel Storage Tank

Photo #29 – Collecting Hydrocarbon Dirt From Within Fuel Storage Containment Area

Photo #30 – Removed First of Two Empty Fuel Tanks from Containment Area

Photo #31 – Cleaning of Empty Fuel Tank

Photo #32 – Emptied Fuel Tank Interior Being Cleaned

Photo #33 – Fuel Tank After Being Wiped Clean

Photo #34 – Fuel Tank Final Residual Contamination Being Burned Clean

Photo #35 – Fuel Containment Liner Just Prior to Packing

Photo #36 – Bedding Sand Under Containment Liner

Photo #37 – Packing Liner Into Sea Container For Shipping Off-Site

Photo #38 – Containers of Hydrocarbon Contaminated Soils

2010 Demobilization Activities – Disposal of Debris In LRD Quarry Landfill

Photo #39 – Starting to Dig Cover Cap Where Final Debris Will Be Disposed

Photo #40 – Excavation of Debris Burial Complete – Less than 1 Metre Deep

2010 Demobilization Activities – Disposal of Debris In LRD Quarry Landfill

Photo #41 – Debris Collected During Annual Inspection Trips Being Hauled to Excavation

Photo #42 – Sea Containers Being Crushed Before Burial

2010 Demobilization Activities – Disposal of Debris In LRD Quarry Landfill

Photo #43 – Initial Debris Placed into Excavation

(Photo taken from on top of spoil pile from the excavation)

Photo #44 – Excavator On Top of Spoil Pile Placing Debris into Excavation

2010 Demobilization Activities – Disposal of Debris In LRD Quarry Landfill

Photo #45 – Debris Being Packed into Excavation.

Photo #46 – Extent of Excavation and Debris Being Buried

2010 Demobilization Activities – Disposal of Debris In LRD Quarry Landfill

Photo #47 – Initial Fine Fill Being Placed On Top of Debris

Photo #48 – Finishing Burial of Debris (0 M mark for fill stakes)

2010 Demobilization Activities – Disposal of Debris In LRD Quarry Landfill

Photo #49 – South Fill Grade Stake (Marked in 1 M intervals – 3 M total)

Photo #50 – Centre and North Fill Grade Stakes (Marked in 1 M intervals – 3 M total)

2010 Demobilization Activities – Disposal of Debris In LRD Quarry Landfill

Photo #51 – North Fill Grade Stake

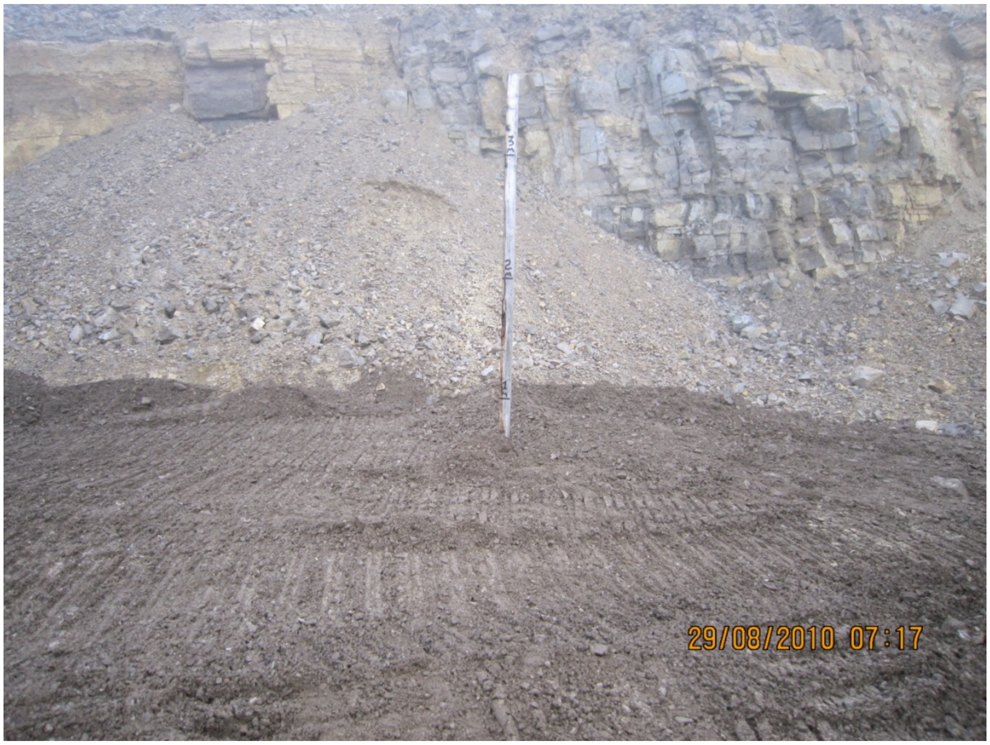

Photo #52 – Capping Continuing – Almost At 1 M Mark of Centre Fill Grade Stake

2010 Demobilization Activities – Disposal of Debris In LRD Quarry Landfill

Photo #53 – Capping Process Continuing

Photo #54 – Coarse Cover – Cap Now At 2.5 M Thickness (centre grade stake)

Photo #55 – North Fill Stake At Toe of North End of Cap

Photo #56 – South Grade Stake Near Toe of Cap

Photo #57 – Top of Cap Tied Into Pit Wall

Photo #58 – View of Finished Cap

APPENDIX 11

POLARIS 3RD QUARTER YTD

COST UPDATE

AND

COST ESTIMATE TO COMPLETION

POLARIS MINE DECOMMISSIONING, RECLAMATION AND MONITORING - ACTUAL EXPENDITURES AND ESTIMATED REMAINING LIABILITY

	APPROVED CLOSURE PLAN BUDGET		ACTUAL EXPENDITURES TO DATE						FORECAST OF REMAINING OUTSTANDING LIABILITY					
			Expended To December 31, 2009		Expended in 2010 To End of 3rd Qtr		Project Total To Date		2010 Forecast to End of Yr		2011 Forecast		Total Forecast Remaining to Dec 31 2011	
	By Code	Subtotals	By Code	Subtotals	By Code	Subtotals	By Code	Subtotals	By Code	Subtotals	By Code	Subtotals	By Code	Subtotals
DEMOLITION & RECLAMATION (BARE COSTS)														
MINE EQUIPMENT REMOVAL														
Hazardous Materials Removal	35,845		853				853		-				-	
Mine Refrigeration Plant	145,525		25,639				25,639		-				-	
Mobile & Mine Equipment	2,919		12,981				12,981		-				-	
Remove Salvaged Mine Equipment	20,754		-				-		-				-	
Misc Sub Contract Costs	45,957		28,540				28,540		-				-	
		$ 251,000		$ 68,013		$ -		$ 68,013		$ -		$ -		$ -
MINE ACCESS SEALING														
Seal Mine Portals	60,000		20,992				20,992		-				-	
		$ 60,000		$ 20,992		$ -		$ 20,992		$ -		$ -		$ -
CONCENTRATOR BUILDING														
Miscellaneous Materials	22,092		-				-						-	
Mill Equipment Clean-Up - Fuels	16,398		-				-						-	
Mill Equipment Clean-Up	99,900		40,613				40,613		-				-	
Hazardous Materials Removal	151,117		94,553				94,553		-				-	
Barge Demolition	608,592		443,526				443,526		-				-	
Misc Process Equipment Demolition & Removal	197,432		183,317				183,317		-				-	
Misc Sub Contract Costs	88,469		84,794				84,794		-				-	
		$ 1,184,000		$ 846,803		$ -		$ 846,803		$ -		$ -		$ -
CONCENTRATE STORAGE STRUCTURE & EQUIPMENT														
Concentrate Storage Equipment Clean-Up	26,117		1,905				1,905		-				-	
Conveyors	67,600		8,421				8,421		-				-	
Concentrate Storage Structure & Equipment	555,283		93,654				93,654		-				-	
		$ 649,000		$ 103,980		$ -		$ 103,980		$ -		$ -		$ -
SHIP LOADER & CONVEYOR														
Conveyors	50,000		24,592				24,592		-				-	
		$ 50,000		$ 24,592		$ -		$ 24,592		$ -		$ -		$ -
DOCK & SHORELINE														
Dock & Shoreline Reclamation	869,000		837,739				837,739		-				-	
		$ 869,000		$ 837,739		$ -		$ 837,739		$ -		$ -		$ -
THICKENER & TAILINGS LINES														
Hazardous Materials Removal	22,577		16,452				16,452		-				-	
Tailings Thickener	377,423		106,677				106,677		-				-	
		$ 400,000		$ 123,129		$ -		$ 123,129		$ -		$ -		$ -
GARROW LAKE														
Garrow Lake Siphons & Lake Drawdown	120,391		195,965				195,965		-				-	
Dam/Spillway Modifications	95,467		269,662				269,662		-				-	
Escalation Allowance	3,142		-				-		-				-	
		$ 219,000		$ 465,627		$ -		$ 465,627		$ -		$ -		$ -
CRF PLANT STRUCTURE & EQUIPMENT														
CRF Plant Equipment Clean-Up	7,002		1,040				1,040		-				-	
CRF Plant Equipment Removal	17,533		9,406				9,406		-				-	
CRF Plant Buildings Demolition	130,455		23,497				23,497		-				-	
Misc Sub Contract Costs	11,010		46,766				46,766		-				-	
		$ 166,000		$ 80,709		$ -		$ 80,709		$ -		$ -		$ -
ACCOMMODATION COMPLEX STRUCTURE & EQUIPMENT														
Accommodation Complex Building Demolition	249,000		72,318				72,318		-				-	
		$ 249,000		$ 72,318		$ -		$ 72,318		$ -		$ -		$ -
FUEL STORAGE & HANDLING EQUIPMENT														
Miscellaneous Materials	3,681		4,904				4,904		-				-	
Purge & Decommission Fuel Tanks	53,404		341,959				341,959		-				-	
Hazardous Materials Removal	50,645		547,319				547,319		-				-	
Fuel Pumping & Distribution Systems	87,270		11,173				11,173		-				-	
		$ 195,000		$ 905,355		$ -		$ 905,355		$ -		$ -		$ -
BUILDINGS & CONTAINERS														
Miscellaneous Materials	1,323		-				-		-				-	
Misc Warehouse / Shipping Equipment	1,221		3,292				3,292		-				-	
Misc Buildings Demolition	250,456		100,053				100,053		-				-	
		$ 253,000		$ 103,345		$ -		$ 103,345		$ -		$ -		$ -
MISC CONTRACTOR LABOUR														
Unallocated Labour	133,000		2,310				2,310		-				-	
		$ 133,000		$ 2,310		$ -		$ 2,310		$ -		$ -		$ -
GENERAL SITE GRADING														
Hazardous Materials Removal	44,719		90,114				90,114		-				-	
General Site Grading & Reclamation	7,129		828,869				828,869		-		50,000		50,000	
Escalation Allowance	4,152		-				0		-				-	
		$ 56,000		$ 918,983		$ -		$ 918,983		$ -		$ 50,000		$ 50,000
LANDFILL RECLAMATION														
Landfill Reclamation	432,000		821,746				821,746		-				-	
		$ 432,000		$ 821,746		$ -		$ 821,746		$ -		$ -		$ -
CONTAMINATED SOILS - CLEANUP														
Metals & Hydrocarbon Contaminated Soils Cleanup & Disposal	366,623		2,627,104				2,627,104		-				-	
Hydrocarbon Contaminated Soils (By Polaris)	6,097		13,131				13,131		-				-	
Metals Contaminated Soils (By Polaris)	173,605		52,382				52,382		-				-	
U/G Handling & Disposal Of Contaminated Soils	48,675		1,012,154				1,012,154		-				-	
		$ 595,000		$ 3,704,771		$ -		$ 3,704,771		$ -		$ -		$ -
QUARRIES & MINE SURFACE RECLAMATION (EARTHWORK)														
Backfill & Re-Contouring	263,000		273,711				273,711		-				-	
		$ 263,000		$ 273,711		$ -		$ 273,711		$ -		$ -		$ -
MISC. DEMOLITION & CLEAN-UP														
Misc Unallocated Clean-Up / Demo	380,000		-		159,775		159,775		(44,275)		185,000		140,725	
		$ 380,000		$ -		$ 159,775		$ 159,775		$ (44,275)		$ 185,000		$ 140,725
EQUIPMENT PURCHASE/RENTAL														
Contractor Equipment Rental	5,274,900		5,216,572				5,216,572		-				-	
Contractor Misc Equipment Purchase	719,407		432,906				432,906		-				-	
Escalation Allowance	59,693		-				0		-				-	
		$ 6,054,000		$ 5,649,478		$ -		$ 5,649,478		$ -		$ -		$ -
MISC. SERVICES & SUPPLIES														
Misc Purchased Materials / Supplies	235,333		536,124				536,124		-				-	
Escalation Allowance	19,667		-				-		-				-	
		$ 255,000		$ 536,124		$ -		$ 536,124		$ -		$ -		$ -
FUEL														
Fuel Supply	3,294,536		4,216,186				4,216,186		-				-	
Fuel Taxes (Heating & Power Generation)	68,677		-				-		-				-	
Fuel Taxes (Equipment)	467,343		713,101				713,101		-				-	
Escalation Allowance	157,444		-				-		-				-	
		$ 3,988,000		$ 4,929,287		$ -		$ 4,929,287		$ -		$ -		$ -
MAINTENANCE OF EQUIPMENT & FACILITIES														
Mobile Equip Maintenance	1,296,759		7,682,560				7,682,560		-				-	
Building Maintenance	506,923		2,136,535				2,136,535		-				-	
Escalation Allowance	101,318		-				-		-				-	
		$ 1,905,000		$ 9,819,095		$ -		$ 9,819,095		$ -		$ -		$ -
PRE - PURCHASED EQUIPMENT (BY COMINCO)														
Construction Equipment - Purchase (By Owner)	541,000		893,766				893,766		-				-	
		$ 541,000		$ 893,766		$ -		$ 893,766		$ -		$ -		$ -
CONTRACTOR'S FIELD SUPPORT & SUPPLIES														
TRANSPORTATION (SHIPPING)														
Packing & Preparation	85,326		-				-		-				-	
Shipping Costs	948,661		3,411,970				3,411,970		-				-	
Escalation Allowance	78,013		-				-		-				-	
		$ 1,112,000		$ 3,411,970		$ -		$ 3,411,970		$ -		$ -		$ -
CONTRACTOR MOB, DEMOB & SUPERVISION														
Contractor Mob/Demob	61,883		208,747				208,747		-				-	
Contractor Supervisory/Admin Personnel	2,127,339		3,758,445				3,758,445		-				-	
Safety Services & Supplies	36,000		521,604				521,604		-				-	
Misc Temporary Services / Modifications	223,824		1,007,843				1,007,843		-				-	
Escalation Allowance	13,954		-				-		-				-	
		$ 2,463,000		$ 5,496,639		$ -		$ 5,496,639		$ -		$ -		$ -
MISC. SERVICES & SUPPLIES														
Communications & TV	374,000		256,412				256,412		-				-	
Escalation Allowance	31,000		-				-		-				-	
		$ 405,000		$ 256,412		$ -		$ 256,412		$ -		$ -		$ -
ACCOMODATIONS														
Catering	1,487,166		2,153,968				2,153,968		-				-	
Escalation Allowance	122,834		-				-		-				-	
		$ 1,610,000		$ 2,153,968		$ -		$ 2,153,968		$ -		$ -		$ -
TRAVEL & PERSONNEL														
Travel (Airfares & Expenses)	1,552,881		4,683,561				4,683,561		-				-	
Travel Premium - Revised Rotation Schedule	1,072,773		-				-		-				-	
Misc Personnel Transport	72,274		391,547				391,547		-				-	
Escalation Allowance	575,072		-				-		-				-	
		$ 3,273,000		$ 5,075,108		$ -		$ 5,075,108		$ -		$ -		$ -
CONTRACTOR INDIRECTS														
HO MOB & DEMOB SUPPORT														
Mob & Demob	1,912,000		1,912,376				1,912,376		-				-	
		$ 1,912,000		$ 1,912,376		$ -		$ 1,912,376		$ -		$ -		$ -
CONTRACTOR MANAGEMENT SUPPORT														
Personnel	3,928,932		3,928,932				3,928,932		-				-	
Safety & First Aid Personnel to Provide Overlap	184,068		183,644				183,644		-				-	
		$ 4,113,000		$ 4,112,576		$ -		$ 4,112,576		$ -		$ -		$ -
OTHER CONTRACTOR INDIRECTS														
Contractor's General Indirects	4,952,000		7,470,401				7,470,401						-	
		$ 4,952,000		$ 7,470,401		$ -		$ 7,470,401		$ -		$ -		$ -
ENGINEERING / PROJECT MANAGEMENT														
ENVIRONMENTAL SITE ASSESMENT														
Environmental Consultants - Site Assesment	275,787		354,711				354,711		-				-	
Site Assessment - Unallocated	207,874		105,263				105,263		-				-	
Escalation Allowance	2,339		-				-		-				-	
		$ 486,000		$ 459,974		$ -		$ 459,974		$ -		$ -		$ -
CLOSURE PLAN														
Environmental Consultants - Closure Plan	415,772		372,272				372,272		-				-	
Escalation Allowance	2,228		-				-		-				-	
		$ 418,000		$ 372,272		$ -		$ 372,272		$ -		$ -		$ -
ENGINEERING / SPECIAL CONSULTANTS														
Design Consultants - Dock / Loadout	1,316		1,320				1,320		-				-	
Design Consultants - Tailings / Garrow Lake	3,520		3,515				3,515		-				-	
Design Consultants - Dock / Loadout	79,684		65,354				65,354		-				-	
Design Consultants - Tailings / Garrow Lake	54,780		45,328				45,328		-				-	
Sitework & Demolition Procedures - Design Services	18,300		46,825				46,825		-				-	
Escalation Allowance	2,400		-				-		-				-	
		$ 160,000		$ 162,342		$ -		$ 162,342		$ -		$ -		$ -
PROJECT MANAGEMENT CONSULTANT (HO STAFF)														
Project Management - Salaries	411,069		1,289,847				1,289,847		-				-	
Project Management - Reimb Expenses	100,000		85,492				85,492		-				-	
Escalation Allowance	31,931		-				-		-				-	
		$ 543,000		$ 1,375,339		$ -		$ 1,375,339		$ -		$ -		$ -
CONSTRUCTION MANAGEMENT (FIELD STAFF)														
Construction Management - Salaries	2,142,878		1,915,004				1,915,004		-				-	
Escalation Allowance	179,122		-				-		-				-	
		$ 2,322,000		$ 1,915,004		$ -		$ 1,915,004		$ -		$ -		$ -
ENVIRONMENTAL TESTING AND SAMPLING														
Environmental Reclamation Supervision - Staff	337,123		1,038,747				1,038,747		-				-	
Escalation Allowance	29,550		-				-		-				-	
Environmental Reclamation Supervision - Testing	330,000		171,498				171,498		-				-	
Additional Sampling and Consultant Services (MMER)	0		354,386				354,386		-				-	
Escalation Allowance	26,327		-				-		-				-	
		$ 723,000		$ 1,564,631		$ -		$ 1,564,631		$ -		$ -		$ -

POLARIS MINE DECOMMISSIONING, RECLAMATION AND MONITORING - ACTUAL EXPENDITURES AND ESTIMATED REMAINING LIABILITY

	APPROVED CLOSURE PLAN BUDGET		ACTUAL EXPENDITURES TO DATE						FORECAST OF REMAINING OUTSTANDING LIABILITY					
			Expended To December 31, 2009		Expended in 2010 To End of 3rd Qtr		Project Total To Date		2010 Forecast to End of Yr		2011 Forecast		Total Forecast Remaining to Dec 31 2011	
	By Code	Subtotals	By Code	Subtotals	By Code	Subtotals	By Code	Subtotals	By Code	Subtotals	By Code	Subtotals	By Code	Subtotals
OWNER'S COSTS														
SALARIES & EXPENSES														
Teck HO Proj Mgmnt (Staff Lab)	374,631		476,911				476,911		-				-	
Teck HO Proj Mgmnt (Misc Material & Exp)	199,149		221,031				221,031		-				-	
Escalation Allowance	34,220		-				-		-				-	
		$ 608,000		$ 697,942		$ -		$ 697,942		$ -		$ -		$ -
OVERHEAD / HO SUPPORT														
Land Leases, Licences	175,000		96,979				96,979		-				-	
Miscellaneous Permits	45,000		16,889				16,889		-				-	
Insurance	445,900		319,459				319,459		-				-	
Property Taxes	495,000		180,412				180,412		-				-	
Home Office General Admin (Labour & Exp)	722,384		16,700				16,700		-				-	
Public Relations	74,292		58,718				58,718		-				-	
Legal	57,540		48,421				48,421		-				-	
Escalation Allowance	168,560		-				-		-				-	
Misc Owner's Overhead	6,324		13,882				13,882		-				-	
		$ 2,190,000		$ 751,460		$ -		$ 751,460		$ -		$ -		$ -
GENERAL ADMIN														
Closure Management - Polaris Personnel	54,000		-						-				-	
Escalation Allowance	2,880		-						-				-	
Closure Wrap Up	5,120		-						-				-	
		$ 62,000		$ -		$ -		$ -		$ -		$ -		$ -
POST RECLAMATION COSTS (2005 - 2011)														
SITE MONITORING AND HOLDING COSTS														
Annual Post Closure Environmental Monitoring (2005 to 2011)	510,000		1,123,300		300,363		1,423,663		24,137		248,500		272,637	
Final Sampling Program, Data Evaluation and Reporting in 2011	160,000		-				-		-				-	
Land Lease/Licence costs from 2005 to 2011	126,000		-				-		-				-	
Property Taxes - 2005 to 2011	70,000		-				-		-				-	
Escalation Allowance	135,000		-				-		-				-	
		$ 1,001,000		$ 1,123,300		$ 300,363		$ 1,423,663		$ 24,137		$ 248,500		$ 272,637
TOTAL DECOMMISSIONING / RECLAMATION & MONITORING COSTS		**$ 47,500,000**		**$ 69,513,587**		**$ 460,138**		**$ 69,973,725**		**$ (20,138)**		**$ 483,500**		**$ 463,362**

Note: For actual and forecast expenditures have not included Land Lease costs, Licence Costs or Property Taxes as these do not represent a potential cost or liability to the government

APPENDIX 12

Electronic Copy of Report on CD