



March 28, 2008,

Ms. Sheila Gaston  
Colorado Department of Public Health and Environment  
Hazardous Materials and Waste Management Division  
4300 Cherry Creek Drive South  
Denver, Colorado 80246-1530

RE: Groundwater, Surface Water, and Soil Vapor Monitoring Report  
Post-Closure Monitoring – First Quarter 2008  
Operable Unit 2 (OU-2) Landfill Site  
Former Lowry Air Force Base  
Denver, Colorado

Dear Ms. Gaston:

LT Environmental, Inc. (LTE) has been retained by Lowry Assumption, LLC (LAC) to conduct quarterly groundwater, surface water, and soil vapor sampling events at the above-referenced site (Figure 1). In accordance with the requirements set forth in the Colorado Department of Public Health and Environment (CDPHE) - approved *Phase 2 Corrective Action Plan for the Operable Unit 2 Landfill Closure at Lowry (MACTEC, 2004) (Phase 2 CAP)*, LTE conducted the OU-2 post-closure monitoring activities for the First Quarter 2008 in January 2008. This event is the sixth of eight scheduled quarterly baseline groundwater monitoring events.

Ten monitoring wells (LZ-13, LFPOC07 through LFPOC13, BG-5 and BG-6) were sampled on January 30 and January 31, 2008. A total of 27 soil vapor points (GP-01 through GP-27) were field screened for the presence of methane on January 28, 2008. The analytical results from the First Quarter 2008 groundwater monitoring activities, as well as results of the soil vapor monitoring activities are discussed below. Per the Phase 2 CAP, statistical evaluation of the groundwater results was performed to determine if there is a change in groundwater quality from upgradient to downgradient of the OU-2 Landfill site.

### **Groundwater Sampling**

Depth to groundwater was measured in each monitoring well prior to purging. All monitoring wells sampled were purged with a peristaltic pump using low-flow purge methods. Measurements of temperature, pH, and electrical conductivity (EC) were collected and each monitoring well was sampled after the three parameters had stabilized (i.e., reading within +/- 10 percent of the previous reading). Field parameters were measured using an YSI 556<sup>®</sup> Multi-Probe Field Meter (YSI 556<sup>®</sup> Meter). Volatile organic compounds (VOCs) were screened in the headspace of each monitoring well, utilizing a Mini Rae 2000<sup>®</sup> photoionization detector (PID) prior to purging. Groundwater was inspected for odor and the presence of phase-separated hydrocarbons (PSH). Field observations were recorded on monitoring well development/purging forms, as well as in the field logbook. Electronic copies of the monitoring well development/purge forms are included as Attachment 1 on the attached CD.



Groundwater samples were collected in laboratory prepared hydrochloric acid (HCl) preserved 40-milliliter (ml) vials, nitric acid preserved 500-ml poly bottles, and sulfuric acid preserved 250-ml amber bottles. Samples were placed on ice and delivered with a completed chain-of-custody (COC) form to Paragon Analytics Laboratories (Paragon) located in Fort Collins, Colorado. In accordance with the Phase 2 CAP, groundwater samples were submitted for analysis of the following:

- Alkalinity, Carbonates, Bicarbonates by United States Environmental Protection Agency (EPA) Method 310.1;
- Gross Alpha and Gross Beta by EPA Method 9310;
- Ion Chromatography for Chloride, Nitrite, Nitrate and Sulfate by EPA Method 9056;
- Total Organic Carbon (TOC) by Method 9060;
- Total Inductively-coupled Plasma (ICP) Metals by Method 601; and
- VOCs by EPA Method 8260B.

### **Soil Vapor Point Monitoring**

The First Quarter 2008 post-closure soil vapor monitoring event was completed on January 28, 2008. A total of 27 soil vapor points (GP-01 through GP-27) were purged of three liters of gas with an electronic pump prior to collection of the soil vapor sample. Each soil vapor point was field screened with a Mine Safety Appliances (MSA) Gasport<sup>®</sup> Gas Tester (Gasport<sup>®</sup>) to assess for the presence of methane (CH<sub>4</sub>) and with a Mini Rae 2000<sup>®</sup> PID to screen for the presence of VOCs. Copies of the gas monitoring forms are included as Attachment 2 on the attached CD.

The MSA Gasport<sup>®</sup> was used to measure methane in each soil vapor point. The MSA Gasport<sup>®</sup> reads up to 100 percent lower explosive limit (five percent by volume of methane) then converts to read percent by volume methane up to 100 percent methane. In the event that the MSA Gasport<sup>®</sup> measured methane in a soil vapor point that equaled or exceeded one percent by volume of methane, a one liter Tedlar<sup>®</sup> bag containing the sample would be placed in a cooler, and delivered with a completed COC to Data Chem Analytical Laboratories, Inc. for analysis of methane by EPA Method GC FID.

### **Quality Assurance and Quality Control (QA/QC)**

Field QC groundwater samples consisted of trip blanks and duplicate samples. One trip blank accompanied every shipment of samples to be analyzed for VOCs. A blind duplicate sample, collected from monitoring well LFPOC10, was submitted for this sampling event and was analyzed for the same parameters as the routine environmental samples.

The laboratory general practices and analytical QC samples included a method blank and a matrix spike/matrix spike duplicate (MS/MSD) for each sample batch.



## **Groundwater Analytical Results**

Table 1 summarizes VOC analytical results for the groundwater samples collected during the six quarterly post-closure sampling events completed to date. Total Metals analytical results for groundwater are summarized in Table 2. Table 3 summarizes water quality parameters in groundwater. Gross Alpha and Gross Beta analytical results are summarized in Table 4. Groundwater analytical laboratory reports, laboratory QA/QC data, and COC documentation are included on the attached CD as Attachment 3.

VOC concentrations in the groundwater samples were compared to the CDPHE groundwater standards and Federal Maximum Contaminant Levels (MCL) drinking water quality standards. The results indicate that all groundwater samples were non-detect or below the standards for VOCs. Total Metals results indicate that no groundwater samples exceeded Federal drinking water MCLs. Additionally, VOCs were not detected while field screening the headspace of each monitoring well with a PID.

During the January 2008 event, analytical results indicated that Gross Alpha in groundwater concentrations were detected above CDPHE groundwater standards in two upgradient monitoring wells (BG-5 and LFPOC09) and six downgradient monitoring wells (LFPOC07, LFPOC08, LFPOC10, LFPOC11, LFPOC13, and LZ-13).

## **Soil Vapor Point Results**

Based on the field screening during the January 2008 monitoring event, none of the soil vapor point samples contained methane concentrations above the soil gas action level of one percent by volume of methane. Additionally, field screening the headspace of the soil vapor points with the PID concluded that no measurable VOCs were present. Soil vapor points GP-08 and GP-10 had a broken polyethylene line below the shut off valve, which occurred after sample collection on October 23, 2007. LTE repaired the two lines prior to the January sampling event. Soil vapor point GP-19 was not sampled in January 2008 because there was water in the purge line. Field screening measurements for the soil vapor sample collected during this monitoring event are presented in Table 5.

## **Statistical Evaluation of Post-Closure Detection Monitoring Data**

A statistical evaluation of the most recent two quarters of groundwater monitoring was completed in accordance with the procedure described in the *Phase 2 CAP*. Statistics were calculated using the software ChemStat Version 6.0. The list of indicator parameters (IP) corresponds to the list presented in Table 3.1 of Appendix G of the OU-2 work plan. Two of the VOCs in this list, acrylonitrile and trans-1,4-dichloro-2-butene, were not reported by the laboratory.

The decision logic diagram shown in Figure 5.1 in Appendix G of the *Phase 2 CAP*, was followed for the statistical evaluation of upgradient groundwater analytical data using upper prediction limits (UPLs). The results of the statistical evaluation and the decision logic diagram are shown



on Table 6 and in Attachment 6 on the attached CD. A total of 75 parameters are listed on Table 6 including 19 Total Metals, 2 Radionuclides, 45 VOCs, and 9 Field and General Water Quality Parameters.

Historical upgradient data collected between 1988 and 1997, *LFSA-OU5 Remedial Investigation*, were incorporated into the analysis including upgradient samples collected during the six quarters of Post-Closure Monitoring. Upgradient data were analyzed to determine the relevant UPL for comparison to the results from the most recent two quarters of sampling (4<sup>th</sup> quarter 2007 and 1<sup>st</sup> quarter 2008) from the downgradient wells.

The first step in the decision logic required calculation of the percent non-detects (NDs) in the compiled upgradient data. Each parameter's data set fell into one of three categories - >50% NDs, between 15% and 50% NDs, or  $\leq 15\%$  NDs. The statistical test to be performed was chosen based on these categories.

### **Volatile Organic Compounds**

Forty of the 45 VOCs were never detected in the upgradient wells. The UPL for those parameters was set at 1.3 times the Method Reporting Limit (MRL), as stipulated in the *Phase 2 CAP* work plan. Five of the 45 VOCs were detected in the upgradient wells. These are 1,2-Dichloroethane (94% NDs), Benzene (96% NDs), Carbon Disulfide (98% NDs), Chloroform (98% NDs), and Methylene Chloride (84% NDs). Because each of these parameters was detected in less than 50% of the upgradient samples, the non parametric UPL was selected. In accordance with the work plan, this value was set equal to the maximum concentration observed in the compiled upgradient samples. None of these six parameters was detected in any of the downgradient wells during the most recent two quarters of sampling, and this was an estimated value below the MRL and below the UPL.

### **Total Metals**

Eleven of the 19 Total Metals were detected in less than 50% of the upgradient samples. An additional five parameters were detected in more than 50% of the upgradient samples, but the distribution of the data was neither normal nor log-normal. The selected test for these 16 parameters was again the non-parametric UPL. Two of the Total Metals (Calcium and Sodium) were not detected in less than 15% of the samples, and were log-normally distributed. The NDs in these data sets were replaced by a value equal to one half the MRL, and a parametric one-sided UPL was calculated using the log transformed data for a probability level of 99%, and with one future observation, in accordance with the work plan. Barium was detected in more than 15% and less than 50% of the samples, and was normally distributed. The NDs in this data set were replaced in accordance with Cohen's adjustment, and a parametric one-sided UPL was calculated using the untransformed data. Each of the downgradient observations during the two recent monitoring events was compared to the calculated UPLs. Only one downgradient observation equaled or exceeded the UPL. This was Thallium, which was detected once in



LFPOC11 at a concentration equaling the UPL (0.013 mg/L), which was set at 1.3 times the MRL.

### **Field and General Water Quality Parameters**

One parameter was detected in 100% of the upgradient samples (Carbonate as CaCO<sub>3</sub>), and the UPL for this parameter was set at 1.3 times the MRL, as stipulated in the *Phase 2 CAP*. One additional parameter (Nitrite as N), was not detected in more than 50% of the upgradient samples, and three parameters (Chloride, Sulfate, and Total Organic Carbon) were detected in more than 50% of the upgradient samples but were not normally or log-normally distributed. The non-parametric UPL was the test for these five parameters. The UPL for one of these parameters (Sulfate) was exceeded in the downgradient wells during the most recent two quarters of sampling. One parameter (Conductivity) was detected in all the upgradient samples and was log-normally distributed, and two parameters (Bicarbonate as CaCO<sub>3</sub> and Nitrate as N) were detected in more than 50% of the samples and were normally distributed. A parametric one-sided UPL was calculated as described above. Only one parameter (Sulfate) was detected in downgradient wells at a concentration exceeding the UPL. The standard for one parameter (pH) is stipulated in the work plan to be a range of 6.0 to 9.0. All upgradient and downgradient samples had pH values within the acceptable range.

### **Radionuclides**

In accordance with the work plan, two radionuclides were tested (Gross Alpha and Gross Beta). Both parameters were detected in 100% of the upgradient and downgradient samples. Gross Alpha was determined to be normally distributed and Gross Beta log-normally distributed; the parametric method was used as described above. The October 2007 Gross Alpha concentration from downgradient monitoring well LFPOC13 (reported as 90 +/- 15 pCi/L) slightly exceeded the calculated UPL of 88 pCi/L; however, the January 2008 Gross Alpha result (65 +/- 11) was again below the UPL as were all results prior to the October 2007 event.

### **Summary of Statistical Analysis**

Out of the 75 parameters which were statistically analyzed, three parameters (Thallium, Gross Alpha, and Sulfate) had downgradient concentrations which exceeded the UPLs in the most recent two quarters of sampling. The single detection of Thallium at 0.013 mg/L exceeds the MCL of 0.002 mg/L for that analyte. Gross Alpha concentrations in most of the wells (both upgradient and downgradient) exceed CDPHE's standard of 15 pCi/L. All Sulfate concentrations were below the relevant water quality standard of 250 mg/L. All parameters will continue to be monitored in future quarters.

### **Site Update**

The sixth of eight scheduled quarterly groundwater monitoring events occurred on January 30 and 31, 2008. The first of four scheduled quarterly soil vapor monitoring events in 2008 was



conducted on January 28, 2008. The next groundwater and soil vapor monitoring event is scheduled for April 2008. The next semiannual surface water sampling event is scheduled to be completed in April 2008. Please contact our office at 303-433-9788 if you have any questions about the data provided or need further information regarding the site.

Sincerely,

LT ENVIRONMENTAL, INC.

Chris Purcell  
Staff Geologist

Tom Murphy, P.G.  
Project Manager

- cc: Paul Carroll – AFRPA (2)  
David Erickson – CCD DEH  
Monty Force – LRA  
Karen Hancock – Aurora  
Pat Smith – EPA Region 8  
Paul Weaverling - IRGA  
John Yerton - IRGA (2)

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Table 5 – Soil Vapor Results

Table 6 – Statistical Evaluation of Analytical Results

Provided on CD

Attachment 1 – Monitoring Well Development / Purge Forms

Attachment 2 – Soil Vapor Monitoring Forms

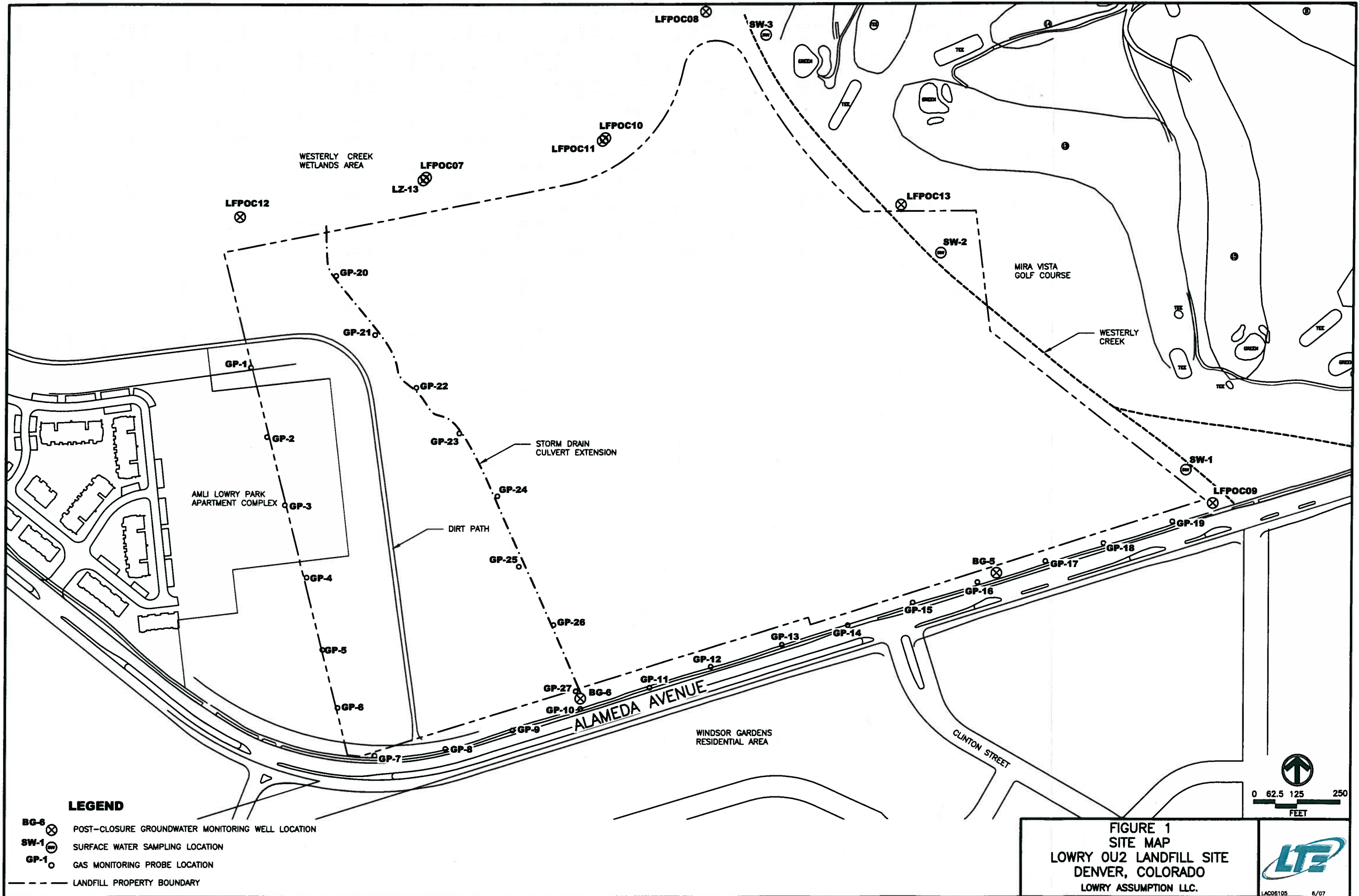
Attachment 3 – Groundwater and Surface Water Analytical Results October 2007

Attachment 4 – Groundwater and Surface Water Analytical Results January 2008





Attachment 5 – Decision Logic Diagram

**FIGURE AND TABLES**

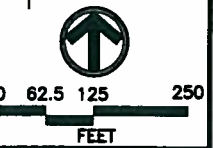




**LEGEND**

- 
**BG-6** POST-CLOSURE GROUNDWATER MONITORING WELL LOCATION
- 
**SW-1** SURFACE WATER SAMPLING LOCATION
- 
**GP-1** GAS MONITORING PROBE LOCATION
- 
 LANDFILL PROPERTY BOUNDARY

**FIGURE 1**  
**SITE MAP**  
 LOWRY OU2 LANDFILL SITE  
 DENVER, COLORADO  
 LOWRY ASSUMPTION LLC.



**TABLE 1  
LABORATORY ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS  
LOWRY OU2 LANDFILL SITE  
FORMER LOWRY AIR FORCE BASE  
DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Volatile Organic Compounds (ug/L)													
			Acetone	Benzene	Bromochloro methane	Bromodichloro methane	Bromoform	Carbon Disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Dibromochloro methane	1,2-Dibromo-3-chloropropane	1,2-Dibromo ethane	1,2-Dichloro benzene
<b>Upgradient</b>																
BG-5	11/13/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
BG-5	2/7/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
BG-5	4/19/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
BG-5	7/23/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
BG-5	10/30/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
BG-5 (Dup)	10/30/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
BG-5	1/31/08	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
BG-6	11/13/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
BG-6	2/7/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
BG-6 (Dup)	2/7/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
BG-6	4/20/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
BG-6	7/23/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
BG-6	10/30/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
BG-6	1/30/08	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC09	11/13/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC09	2/8/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC09	4/19/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC09	7/23/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC09	10/31/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC09	1/30/08	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
<b>Downgradient</b>																
LFPOC07	11/13/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC07	2/8/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC07	4/19/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC07	7/23/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC07	12/19/07	SW8260_25	<10	<1	<1	<1	<1	<1	0.21 (J,B)	<1	<1	<1	<1	<2	<1	<1
LFPOC07	1/30/08	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC08	11/13/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC08	2/7/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC08	4/19/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC08	7/23/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC08	10/30/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC08	1/30/08	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC10	11/13/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC10	2/7/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1

Notes: CDPHE - Colorado Department of Public Health and Environment  
ug/L - micrograms per Liter (Dup) - Duplicate sample

MCLs - Maximum Contaminant Levels  
< - below the Reporting Limit

(B) - Detected in Method Blank

(J) - Result is an estimated value.

(R) - Result is a rejected value.

**TABLE 1  
LABORATORY ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS  
LOWRY OU2 LANDFILL SITE  
FORMER LOWRY AIR FORCE BASE  
DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Volatile Organic Compounds (ug/L)													
			Acetone	Benzene	Bromochloro methane	Bromodichloro methane	Bromoform	Carbon Disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Dibromochloro methane	1,2-Dibromo-3-chloropropane	1,2-Dibromo ethane	1,2-Dichloro benzene
LFPOC10	4/19/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC10	7/23/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC10	10/30/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC10	1/30/08	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC10 (Dup)	1/30/08	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC11	11/13/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC11	2/7/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC11	4/19/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC11	7/23/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC11	10/30/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC11	1/30/08	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC12	11/13/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC12	2/8/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC12	4/19/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC12 (Dup)	4/19/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC12	7/23/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC12 (Dup)	7/23/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC12	10/30/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC12	1/30/08	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC13	11/13/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC13	2/7/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC13	4/20/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC13	7/24/07	SW8260_25	<10	<1	<1	<1	<1	<1	0.29 (J)	<1	<1	<1	<1	<2	<1	<1
LFPOC13	10/31/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LFPOC13	1/31/08	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LZ-13	11/13/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LZ-13	2/8/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LZ-13	4/19/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LZ-13	7/23/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LZ-13	10/30/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
LZ-13	1/30/08	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
<b>Surface Water</b>																
SW-1	11/21/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-1	2/8/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-1 (Dup)	2/8/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-1	4/20/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1

Notes: CDPHE - Colorado Department of Public Health and Environment  
ug/L - micrograms per Liter (Dup) - Duplicate sample

MCLs - Maximum Contaminant Levels  
< - below the Reporting Limit

(B) - Detected in Method Blank

(J) - Result is an estimated value.

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**TABLE 1**  
**LABORATORY ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Volatile Organic Compounds (ug/L)													
			Acetone	Benzene	Bromochloro methane	Bromodichloro methane	Bromoform	Carbon Disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Dibromochloro methane	1,2-Dibromo-3-chloropropane	1,2-Dibromo ethane	1,2-Dichloro benzene
SW-1 (Dup)	4/20/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-1	7/24/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-1 (Dup)	7/24/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-1	10/31/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-2	11/21/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-2 (Dup)	11/21/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-2	2/8/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-2	4/20/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-2	7/24/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-2	10/31/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-3	11/21/06	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-3	2/8/07	SW8260_25	4.1 (RJ)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-3	4/20/07	SW8260_25	<10 (R)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-3	7/24/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-3	10/31/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
SW-3 (Dup)	10/31/07	SW8260_25	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
<b>CDPHE Standards (March 2005):</b>			--	<b>5</b>	--	<b>0.56</b>	<b>4</b>	--	<b>5</b>	<b>100</b>	--	<b>3.5</b>	<b>14</b>	<b>0.2</b>	--	<b>75</b>
<b>Federal Drinking Water Standards (MCLs):</b>			--	--	--	--	--	--	--	--	--	--	--	--	<b>5</b>	--

Notes: CDPHE - Colorado Department of Public Health and Environment  
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LABORATORY ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS  
LOWRY OU2 LANDFILL SITE  
FORMER LOWRY AIR FORCE BASE  
DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Volatile Organic Compounds (ug/L)														
			1,4-Dichloro benzene	1,1-Dichloro ethane	1,2-Dichloro ethane	1,1-Dichloro ethene	cis-1,2-dichloroethene	trans-1,2-dichloroethene	1,2-Dichloro propane	cis-1,3-di chloropropene	trans-1,3-di chloropropene	Ethylbenzene	2-Hexanone	Bromomethane	Chloro methane	Dibromo methane	
<b>Upgradient</b>																	
BG-5	11/13/06	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
BG-5	2/7/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
BG-5	4/19/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
BG-5	7/23/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
BG-5	10/30/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
BG-5 (Dup)	10/30/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
BG-5	1/31/08	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
BG-6	11/13/06	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
BG-6	2/7/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
BG-6 (Dup)	2/7/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
BG-6	4/20/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
BG-6	7/23/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
BG-6	10/30/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
BG-6	1/30/08	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC09	11/13/06	SW8260_25	<1	<1	0.23 (J)	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC09	2/8/07	SW8260_25	<1	<1	0.33 (J)	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC09	4/19/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC09	7/23/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC09	10/31/07	SW8260_25	<1	<1	0.21 (J)	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC09	1/30/08	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
<b>Downgradient</b>																	
LFPOC07	11/13/06	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC07	2/8/07	SW8260_25	<1	<1	<1	<1	<1	0.25 (J)	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC07	4/19/07	SW8260_25	<1	<1	<1	<1	<1	0.28 (J)	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC07	7/23/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC07	12/19/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC07	1/30/08	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC08	11/13/06	SW8260_25	<1	<1	<1	<1	<1	0.13 (J)	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC08	2/7/07	SW8260_25	<1	<1	<1	<1	<1	0.21 (J)	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC08	4/19/07	SW8260_25	<1	<1	<1	<1	<1	0.19 (J)	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC08	7/23/07	SW8260_25	<1	<1	<1	<1	<1	0.2 (J)	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC08	10/30/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC08	1/30/08	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC10	11/13/06	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC10	2/7/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1

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LABORATORY ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS  
LOWRY OU2 LANDFILL SITE  
FORMER LOWRY AIR FORCE BASE  
DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Volatile Organic Compounds (ug/L)													
			1,4-Dichloro benzene	1,1-Dichloro ethane	1,2-Dichloro ethane	1,1-Dichloro ethene	cis-1,2-dichloroethene	trans-1,2-dichloroethene	1,2-Dichloro propane	cis-1,3-di chloropropene	trans-1,3-di chloropropene	Ethylbenzene	2-Hexanone	Bromomethane	Chloro methane	Dibromo methane
LFPOC10	4/19/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC10	7/23/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC10	10/30/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC10	1/30/08	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC10 (Dup)	1/30/08	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC11	11/13/06	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC11	2/7/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC11	4/19/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC11	7/23/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC11	10/30/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC11	1/30/08	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC12	11/13/06	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC12	2/8/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC12	4/19/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC12 (Dup)	4/19/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC12	7/23/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC12 (Dup)	7/23/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC12	10/30/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC12	1/30/08	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC13	11/13/06	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC13	2/7/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC13	4/20/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC13	7/24/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC13	10/31/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LFPOC13	1/31/08	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LZ-13	11/13/06	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LZ-13	2/8/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LZ-13	4/19/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LZ-13	7/23/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LZ-13	10/30/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
LZ-13	1/30/08	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
<b>Surface Water</b>																
SW-1	11/21/06	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-1	2/8/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-1 (Dup)	2/8/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-1	4/20/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-1 (Dup)	4/20/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1

Notes: CDPHE - Colorado Department of Public Health and Environment  
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**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Volatile Organic Compounds (ug/L)														
			1,4-Dichloro benzene	1,1-Dichloro ethane	1,2-Dichloro ethane	1,1-Dichloro ethene	cis-1,2-dichloroethene	trans-1,2-dichloroethene	1,2-Dichloro propane	cis-1,3-di chloropropene	trans-1,3-di chloropropene	Ethylbenzene	2-Hexanone	Bromomethane	Chloro methane	Dibromo methane	
SW-1	7/24/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-1 (Dup)	7/24/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-1	10/31/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-2	11/21/06	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-2 (Dup)	11/21/06	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-2	2/8/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-2	4/20/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-2	7/24/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-2	10/31/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-3	11/21/06	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-3	2/8/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-3	4/20/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-3	7/24/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-3	10/31/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
SW-3 (Dup)	10/31/07	SW8260_25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1
<b>CDPHE Standards (March 2005):</b>			<b>75</b>	--	<b>5.0</b>	--	--	--	<b>5</b>	--	--	<b>700</b>	--	--	--	--	--
<b>Federal Drinking Water Standards (MCLs):</b>			--	--	--	--	<b>7</b>	<b>100</b>	--	<b>5</b>	--	--	--	--	--	--	--

Notes: CDPHE - Colorado Department of Public Health and Environment  
ug/L - micrograms per Liter (Dup) - Duplicate sample

MCL - Maximum Contaminant Levels  
< - below the Reporting Limit

(B) - Detected in Method Blank

(J) - Result is an estimated value.

(R) - Result is a rejected value.

**TABLE 1  
LABORATORY ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS  
LOWRY OU2 LANDFILL SITE  
FORMER LOWRY AIR FORCE BASE  
DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Volatile Organic Compounds (ug/L)													
			Methylene chloride	2-Butanone	Iodomethane	4-methyl-2-pentanone	Styrene	1,1,1,2-tetra chloroethane	1,1,2,2-tetra chloroethane	Tetrachloro ethene	Toluene	1,1,1-Tri chloroethane	1,1,2-Tri chloroethane	Trichloro ethene	Trichlorofluoro methane	1,2,3-Tri chloropropane
<b>Upgradient</b>																
BG-5	11/13/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BG-5	2/7/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BG-5	4/19/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BG-5	7/23/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BG-5	10/30/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BG-5 (Dup)	10/30/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BG-5	1/31/08	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BG-6	11/13/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BG-6	2/7/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BG-6 (Dup)	2/7/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BG-6	4/20/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BG-6	7/23/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BG-6	10/30/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BG-6	1/30/08	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC09	11/13/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC09	2/8/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC09	4/19/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC09	7/23/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC09	10/31/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC09	1/30/08	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<b>Downgradient</b>																
LFPOC07	11/13/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	0.43 (J)	<1	<1
LFPOC07	2/8/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	<1	<1	<1	0.6 (J)	<1	<1
LFPOC07	4/19/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	0.62 (J)	<1	<1
LFPOC07	7/23/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	0.58 (J)	<1	<1
LFPOC07	12/19/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	0.42 (J)	<1	<1
LFPOC07	1/30/08	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	0.4 (J)	<1	<1
LFPOC08	11/13/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	0.13 (J)	<1	<1
LFPOC08	2/7/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	<1	<1	<1	0.21 (J)	<1	<1
LFPOC08	4/19/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC08	7/23/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	0.19 (J)	<1	<1
LFPOC08	10/30/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	0.18 (J)	<1	<1
LFPOC08	1/30/08	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC10	11/13/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC10	2/7/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Notes: CDPHE - Colorado Department of Public Health and Environment      MCL - Maximum Contaminant Levels  
ug/L - micrograms per Liter      (Dup) - Duplicate sample      < - below the Reporting Limit      (B) - Detected in Method Blank      (J) - Result is an estimated value.      (R) - Result is a rejected value.

**TABLE 1  
LABORATORY ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS  
LOWRY OU2 LANDFILL SITE  
FORMER LOWRY AIR FORCE BASE  
DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Volatile Organic Compounds (ug/L)													
			Methylene chloride	2-Butanone	Iodomethane	4-methyl-2-pentanone	Styrene	1,1,1,2-tetra chloroethane	1,1,2,2-tetra chloroethane	Tetrachloro ethene	Toluene	1,1,1-Tri chloroethane	1,1,2-Tri chloroethane	Trichloro ethene	Trichlorofluoro methane	1,2,3-Tri chloropropane
LFPOC10	4/19/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC10	7/23/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC10	10/30/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC10	1/30/08	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC10 (Dup)	1/30/08	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC11	11/13/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	0.099 (J)	<1	<1	<1	<1	<1
LFPOC11	2/7/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC11	4/19/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC11	7/23/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC11	10/30/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC11	1/30/08	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC12	11/13/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC12	2/8/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC12	4/19/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC12 (Dup)	4/19/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC12	7/23/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC12 (Dup)	7/23/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC12	10/30/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC12	1/30/08	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC13	11/13/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC13	2/7/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC13	4/20/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC13	7/24/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC13	10/31/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LFPOC13	1/31/08	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LZ-13	11/13/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LZ-13	2/8/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LZ-13	4/19/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LZ-13	7/23/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LZ-13	10/30/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
LZ-13	1/30/08	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<b>Surface Water</b>																
SW-1	11/21/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-1	2/8/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-1 (Dup)	2/8/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-1	4/20/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-1 (Dup)	4/20/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Notes: CDPHE - Colorado Department of Public Health and Environment  
ug/L - micrograms per Liter (Dup) - Duplicate sample

MCL - Maximum Contaminant Levels  
< - below the Reporting Limit

(B) - Detected in Method Blank

(J) - Result is an estimated value.

(R) - Result is a rejected value.

**TABLE 1**  
**LABORATORY ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Volatile Organic Compounds (ug/L)														
			Methylene chloride	2-Butanone	Iodomethane	4-methyl-2-pentanone	Styrene	1,1,1,2-tetra chloroethane	1,1,2,2-tetra chloroethane	Tetrachloro ethene	Toluene	1,1,1-Tri chloroethane	1,1,2-Tri chloroethane	Trichloro ethene	Trichlorofluoro methane	1,2,3-Tri chloropropane	
SW-1	7/24/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-1 (Dup)	7/24/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-1	10/31/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-2	11/21/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-2 (Dup)	11/21/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-2	2/8/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	0.26 (J)	<1	<1	<1	<1	<1	<1
SW-2	4/20/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-2	7/24/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-2	10/31/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-3	11/21/06	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-3	2/8/07	SW8260_25	<1	<10 (R)	<1	<10	<1	<1	<1	<1	0.25 (J)	<1	<1	<1	<1	<1	<1
SW-3	4/20/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-3	7/24/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-3	10/31/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SW-3 (Dup)	10/31/07	SW8260_25	<1	<10	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<b>CDPHE Standards (March 2005):</b>			<b>5</b>	--	--	--	<b>100</b>	--	<b>0.18</b>	<b>5</b>	<b>1000</b>	<b>200</b>	<b>5</b>	--	--	--	
<b>Federal Drinking Water Standards (MCLs):</b>			--	--	--	--	--	--	--	--	--	--	--	<b>5</b>	--	--	

Notes: CDPHE - Colorado Department of Public Health and Environment      MCL - Maximum Contaminant Levels  
ug/L - micrograms per Liter      (Dup) - Duplicate sample      < - below the Reporting Limit      (B) - Detected in Method Blank      (J) - Result is an estimated value.      (R) - Result is a rejected value.

**TABLE 1**  
**LABORATORY ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Volatile Organic Compounds (ug/L)				
			Vinyl acetate	Vinyl chloride	Total xylenes	Xylenes, m and p	Xylenes, o
<b>Upgradient</b>							
BG-5	11/13/06	SW8260_25	<1	<1	<2	<1	<1
BG-5	2/7/07	SW8260_25	<2	<1	<2	<1	<1
BG-5	4/19/07	SW8260_25	<2	<1	<2	<1	<1
BG-5	7/23/07	SW8260_25	<2	<1	<2	<1	<1
BG-5	10/30/07	SW8260_25	<2	<1	<2	<1	<1
BG-5 (Dup)	10/30/07	SW8260_25	<2	<1	<2	<1	<1
BG-5	1/31/08	SW8260_25	<2	<1		<1	<1
BG-6	11/13/06	SW8260_25	<1	<1	<2	<1	<1
BG-6	2/7/07	SW8260_25	<2	<1	<2	<1	<1
BG-6 (Dup)	2/7/07	SW8260_25	<2	<1	<2	<1	<1
BG-6	4/20/07	SW8260_25	<2	<1	<2	<1	<1
BG-6	7/23/07	SW8260_25	<2	<1	<2	<1	<1
BG-6	10/30/07	SW8260_25	<2	<1	<2	<1	<1
BG-6	1/30/08	SW8260_25	<2	<1		<1	<1
LFPOC09	11/13/06	SW8260_25	<1	<1	<2	<1	<1
LFPOC09	2/8/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC09	4/19/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC09	7/23/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC09	10/31/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC09	1/30/08	SW8260_25	<2	<1		<1	<1
<b>Downgradient</b>							
LFPOC07	11/13/06	SW8260_25	<1	<1	<2	<1	<1
LFPOC07	2/8/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC07	4/19/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC07	7/23/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC07	12/19/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC07	1/30/08	SW8260_25	<2	<1		<1	<1
LFPOC08	11/13/06	SW8260_25	<1	<1	<2	<1	<1
LFPOC08	2/7/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC08	4/19/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC08	7/23/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC08	10/30/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC08	1/30/08	SW8260_25	<2	<1		<1	<1
LFPOC10	11/13/06	SW8260_25	<1	<1	<2	<1	<1
LFPOC10	2/7/07	SW8260_25	<2	<1	<2	<1	<1

Notes: CDPHE - Colorado Department of Public Health and Environment  
(B) - Detected in Method Blank (J) - Result is an estimated value. MCLs - Maximum Contaminant Levels  
ug/L - micrograms per Liter (Dup) - Duplicate sample (R) - Result is a rejected value.  
< - below the Reporting Limit

**TABLE 1**  
**LABORATORY ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Volatile Organic Compounds (ug/L)				
			Vinyl acetate	Vinyl chloride	Total xylenes	Xylenes, m and p	Xylenes, o
LFPOC10	4/19/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC10	7/23/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC10	10/30/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC10	1/30/08	SW8260_25	<2	<1		<1	<1
LFPOC10 (Dup)	1/30/08	SW8260_25	<2	<1		<1	<1
LFPOC11	11/13/06	SW8260_25	<1	<1	<2	<1	<1
LFPOC11	2/7/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC11	4/19/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC11	7/23/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC11	10/30/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC11	1/30/08	SW8260_25	<2	<1		<1	<1
LFPOC12	11/13/06	SW8260_25	<1	<1	<2	<1	<1
LFPOC12	2/8/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC12	4/19/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC12 (Dup)	4/19/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC12	7/23/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC12 (Dup)	7/23/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC12	10/30/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC12	1/30/08	SW8260_25	<2	<1		<1	<1
LFPOC13	11/13/06	SW8260_25	<1	<1	<2	<1	<1
LFPOC13	2/7/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC13	4/20/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC13	7/24/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC13	10/31/07	SW8260_25	<2	<1	<2	<1	<1
LFPOC13	1/31/08	SW8260_25	<2	<1		<1	<1
LZ-13	11/13/06	SW8260_25	<1	<1	<2	<1	<1
LZ-13	2/8/07	SW8260_25	<2	<1	<2	<1	<1
LZ-13	4/19/07	SW8260_25	<2	<1	<2	<1	<1
LZ-13	7/23/07	SW8260_25	<2	<1	<2	<1	<1
LZ-13	10/30/07	SW8260_25	<2	<1	<2	<1	<1
LZ-13	1/30/08	SW8260_25	<2	<1		<1	<1
<b>Surface Water</b>							
SW-1	11/21/06	SW8260_25	<1	<1	<2	<1	<1
SW-1	2/8/07	SW8260_25	<2	<1	<2	<1	<1
SW-1 (Dup)	2/8/07	SW8260_25	<2	<1	<2	<1	<1
SW-1	4/20/07	SW8260_25	<2	<1	<2	<1	<1

Notes: CDPHE - Colorado Department of Public Health and Environment  
(B) - Detected in Method Blank (J) - Result is an estimated value. MCLs - Maximum Contaminant Levels  
ug/L - micrograms per Liter (R) - Result is a rejected value.  
(Dup) - Duplicate sample < - below the Reporting Limit

**TABLE 1**  
**LABORATORY ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Volatile Organic Compounds (ug/L)				
			Vinyl acetate	Vinyl chloride	Total xylenes	Xylenes, m and p	Xylenes, o
SW-1 (Dup)	4/20/07	SW8260_25	<2	<1	<2	<1	<1
SW-1	7/24/07	SW8260_25	<2	<1	<2	<1	<1
SW-1 (Dup)	7/24/07	SW8260_25	<2	<1	<2	<1	<1
SW-1	10/31/07	SW8260_25	<2	<1	<2	<1	<1
SW-2	11/21/06	SW8260_25	<1	<1	<2	<1	<1
SW-2 (Dup)	11/21/06	SW8260_25	<1	<1	<2	<1	<1
SW-2	2/8/07	SW8260_25	<2	<1	<2	<1	<1
SW-2	4/20/07	SW8260_25	<2	<1	<2	<1	<1
SW-2	7/24/07	SW8260_25	<2	<1	<2	<1	<1
SW-2	10/31/07	SW8260_25	<2	<1	<2	<1	<1
SW-3	11/21/06	SW8260_25	<1	<1	<2	<1	<1
SW-3	2/8/07	SW8260_25	<2	<1	<2	<1	<1
SW-3	4/20/07	SW8260_25	<2	<1	<2	<1	<1
SW-3	7/24/07	SW8260_25	<2	<1	<2	<1	<1
SW-3	10/31/07	SW8260_25	<2	<1	<2	<1	<1
SW-3 (Dup)	10/31/07	SW8260_25	<2	<1	<2	<1	<1
<b>CDPHE Standards (March 2005):</b>			--	<b>2</b>	<b>10000</b>	--	--
<b>Federal Drinking Water Standards (MCLs):</b>			--	--	--	--	--

Notes: CDPHE - Colorado Department of Public Health and Environment  
(B) - Detected in Method Blank (J) - Result is an estimated value.  
ug/L - micrograms per Liter (Dup) - Duplicate sample

MCLs - Maximum Contaminant Levels  
(R) - Result is a rejected value.  
< - below the Reporting Limit

**TABLE 2  
LABORATORY ANALYTICAL RESULTS - TOTAL METALS  
LOWRY OU2 LANDFILL SITE  
FORMER LOWRY AIR FORCE BASE  
DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Total Metals (mg/L)																			
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Lead	Magnesium	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	
<b>Upgradient</b>																						
BG-5	11/13/06	SW6010	<0.02	<0.01	0.21	<0.005	<0.005	170	<0.01	0.012	<0.01	<0.003	44	0.027	8.1	<0.005	<0.01	81	<0.01	0.01	<0.02	
BG-5	2/7/07	SW6010	<0.02	<0.01	0.13	<0.005	<0.005	150	<0.01	<0.01	<0.01	<0.003	36	<0.02	7.2	<0.005	<0.01	130	<0.01	<0.01	<0.02	
BG-5	4/19/07	SW6010	<0.02	<0.01	0.23	<0.005	<0.005	160	<0.01	0.016	0.012	<0.003	36	0.034	5.2	<0.005	<0.01	79	<0.01	0.012	<0.02	
BG-5	7/23/07	SW6010	<0.02	<0.01	0.11	<0.005	<0.005	160	<0.01	<0.01	<0.01	<0.003	39	<0.02	5.5	<0.005	<0.01	77	<0.01	<0.01	<0.02	
BG-5	10/30/07	SW6010	<0.02	<0.01	0.13	<0.005	<0.005	170	<0.01	<0.01	<0.01	<0.003	39	<0.02	6.9	<0.005	<0.01	80	<0.01	<0.01	<0.02	
BG-5 (Dup)	10/30/07	SW6010	<0.02	<0.01	0.25	<0.005	<0.005	160	<0.01	0.011	<0.01	<0.003	34	0.025	4.7	<0.005	<0.01	72	<0.01	<0.01	<0.02	
BG-5	1/31/08	SW6010	<0.02	<0.01	0.2	<0.005	<0.005	170	<0.01	<0.01	<0.01	<0.003	42	0.023	7.8	<0.005	<0.01	88	<0.01	<0.01	<0.02	
BG-6	11/13/06	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	58	<0.01	<0.01	<0.01	<0.003	9.9	<0.02	1.4	<0.005	<0.01	66	<0.01	<0.01	<0.02	
BG-6	2/7/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	58	<0.01	<0.01	<0.01	<0.003	10	<0.02	1.5	<0.005	<0.01	67	<0.01	<0.01	<0.02	
BG-6 (Dup)	2/7/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	58	<0.01	<0.01	<0.01	<0.003	10	<0.02	1.5	<0.005	<0.01	66	<0.01	<0.01	<0.02	
BG-6	4/20/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	56	<0.01	<0.01	<0.01	<0.003	9.7	<0.02	1.3	<0.005	<0.01	67	<0.01	<0.01	<0.02	
BG-6	7/23/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	57	<0.01	<0.01	<0.01	<0.003	10	<0.02	1.2	<0.005	<0.01	65	<0.01	<0.01	<0.02	
BG-6	10/30/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	54	<0.01	<0.01	<0.01	<0.003	9.4	<0.02	1.2	<0.005	<0.01	67	<0.01	<0.01	<0.02	
BG-6	1/30/08	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	57	<0.01	<0.01	<0.01	<0.003	10	<0.02	1.5	<0.005	<0.01	68	<0.01	<0.01	<0.02	
LFPOC09	11/13/06	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	94	<0.01	<0.01	<0.01	<0.003	14	<0.02	1.6	<0.005	<0.01	99	<0.01	<0.01	<0.02	
LFPOC09	2/8/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	93	<0.01	<0.01	<0.01	<0.003	14	<0.02	1.5	<0.005	<0.01	100	<0.01	<0.01	0.044	
LFPOC09	4/19/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	88	<0.01	<0.01	<0.01	<0.003	13	<0.02	1.3	<0.005	<0.01	99	<0.01	<0.01	<0.02	
LFPOC09	7/23/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	90	<0.01	<0.01	<0.01	<0.003	14	<0.02	1.4	<0.005	<0.01	97	<0.01	<0.01	<0.02	
LFPOC09	10/31/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	90	<0.01	<0.01	<0.01	<0.003	14	<0.02	1.5	<0.005	<0.01	100	<0.01	<0.01	<0.02	
LFPOC09	1/30/08	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	75	<0.01	<0.01	<0.01	<0.003	14	<0.02	1.9	<0.005	<0.01	100	<0.01	<0.01	<0.02	
<b>Downgradient</b>																						
LFPOC07	11/13/06	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	65	<0.01	<0.01	<0.01	<0.003	12	<0.02	1.9	<0.005	<0.01	110	<0.01	<0.01	<0.02	
LFPOC07	2/8/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	67	<0.01	<0.01	<0.01	<0.003	12	<0.02	1.5	<0.005	<0.01	110	<0.01	<0.01	<0.02	
LFPOC07	4/19/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	64	<0.01	<0.01	<0.01	<0.003	11	<0.02	1.4	<0.005	<0.01	110	<0.01	<0.01	<0.02	
LFPOC07	7/23/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	65	<0.01	<0.01	<0.01	<0.003	12	<0.02	1.5	<0.005	<0.01	110	<0.01	<0.01	<0.02	
LFPOC07	12/19/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	62	<0.01	<0.01	<0.01	<0.003	12	<0.02	1.7	<0.005	<0.01	110	<0.01	<0.01	<0.02	
LFPOC07	1/30/08	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	65	<0.01	<0.01	<0.01	<0.003	12	<0.02	1.6	<0.005	<0.01	110	<0.01	<0.01	<0.02	
LFPOC08	11/13/06	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	18	<0.02	1.6	<0.005	<0.01	110	<0.01	<0.01	<0.02	
LFPOC08	2/7/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	18	<0.02	1.4	<0.005	<0.01	110	<0.01	<0.01	<0.02	
LFPOC08	4/19/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	18	<0.02	1.3	<0.005	<0.01	110	<0.01	<0.01	<0.02	
LFPOC08	7/23/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	18	<0.02	1.4	<0.005	<0.01	110	<0.01	<0.01	<0.02	
LFPOC08	10/30/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	18	<0.02	1.5	<0.005	<0.01	110	<0.01	<0.01	<0.02	
LFPOC08	1/30/08	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	130	<0.01	<0.01	<0.01	<0.003	19	<0.02	1.5	<0.005	<0.01	110	<0.01	<0.01	<0.02	
LFPOC10	11/13/06	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	98	<0.01	<0.01	<0.01	<0.003	15	<0.02	1.5	<0.005	<0.01	99	<0.01	<0.01	<0.02	
LFPOC10	2/7/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	100	<0.01	<0.01	<0.01	<0.003	16	<0.02	1.3	<0.005	<0.01	100	<0.01	<0.01	<0.02	
LFPOC10	4/19/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	100	<0.01	<0.01	<0.01	<0.003	16	<0.02	1.3	<0.005	<0.01	99	<0.01	<0.01	<0.02	
LFPOC10	7/23/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	100	<0.01	<0.01	<0.01	<0.003	17	<0.02	1.3	<0.005	<0.01	98	<0.01	<0.01	<0.02	
LFPOC10	10/30/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	99	<0.01	<0.01	<0.01	<0.003	15	<0.02	1.3	<0.005	<0.01	98	<0.01	<0.01	<0.02	
LFPOC10	1/30/08	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	100	<0.01	<0.01	<0.01	<0.003	16	<0.02	1.3	<0.005	<0.01	97	<0.01	<0.01	<0.02	
LFPOC10 (Dup)	1/30/08	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	100	<0.01	<0.01	<0.01	<0.003	16	<0.02	1.3	<0.005	<0.01	98	<0.01	<0.01	<0.02	

Notes: CDPHE - Colorado Department of Public Health and Environment      MCLs - Maximum Contaminant Levels  
mg/L - milligrams per Liter      (Dup) - Duplicate sample      < - below the Reporting Limit      (B) - Detected in Method Blank      (J) - Result is an estimated value.      (R) - Result is a rejected value.

**TABLE 2**  
**LABORATORY ANALYTICAL RESULTS - TOTAL METALS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Total Metals (mg/L)																		
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Lead	Magnesium	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
LFPOC11	11/13/06	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	25	<0.02	3.9	<0.005	<0.01	140	<0.01	<0.01	<0.02
LFPOC11	2/7/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	25	<0.02	3.4	<0.005	<0.01	140	<0.01	<0.01	<0.02
LFPOC11	4/19/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	26	<0.02	3.4	<0.005	<0.01	140	<0.01	<0.01	<0.02
LFPOC11	7/23/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	27	<0.02	3.4	<0.005	<0.01	140	<0.01	<0.01	<0.02
LFPOC11	10/30/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	24	<0.02	3.6	<0.005	<0.01	140	<0.01	<0.01	<0.02
LFPOC11	1/30/08	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	26	<0.02	3.6	<0.005	<0.01	140	<b>0.013</b>	<0.01	<0.02
LFPOC12	11/13/06	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	100	<0.01	<0.01	<0.01	<0.003	27	<0.02	4.0	<0.005	<0.01	170	<0.01	<0.01	<0.02
LFPOC12	2/8/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	100	<0.01	<0.01	<0.01	<0.003	27	<0.02	3.6	<0.005	<0.01	160	<0.01	<0.01	0.027
LFPOC12	4/19/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	98	<0.01	<0.01	<0.01	<0.003	26	<0.02	3.4	<0.005	<0.01	160	<0.01	<0.01	<0.02
LFPOC12 (Dup)	4/19/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	99	<0.01	<0.01	<0.01	<0.003	26	<0.02	3.4	<0.005	<0.01	160	<0.01	<0.01	<0.02
LFPOC12	7/23/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	97	<0.01	<0.01	<0.01	<0.003	28	<0.02	3.4	<0.005	<0.01	150	<0.01	<0.01	<0.02
LFPOC12 (Dup)	7/23/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	97	<0.01	<0.01	<0.01	<0.003	27	<0.02	3.3	<0.005	<0.01	150	<0.01	<0.01	<0.02
LFPOC12	10/30/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	96	<0.01	<0.01	<0.01	<0.003	26	<0.02	3.5	<0.005	<0.01	160	<0.01	<0.01	<0.02
LFPOC12	1/30/08	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	99	<0.01	<0.01	<0.01	<0.003	27	<0.02	3.6	<0.005	<0.01	150	<0.01	<0.01	<0.02
LFPOC13	11/13/06	SW6010	<0.02	<0.01	0.15	<0.005	<0.005	120	0.01	<0.01	<0.01	0.0085	22	<0.02	5.2	<0.005	<0.01	100	<0.01	0.027	0.033
LFPOC13	2/7/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	100	<0.01	<0.01	<0.01	<0.003	18	<0.02	2.5	<0.005	<0.01	110	<0.01	<0.01	<0.02
LFPOC13	4/20/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	110	<0.01	<0.01	<0.01	<0.003	19	<0.02	2.3	<0.005	<0.01	95	<0.01	<0.01	<0.02
LFPOC13	9/27/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	19	<0.02	2.6	<0.005	<0.01	95	<0.01	<0.01	<0.02
LFPOC13	10/31/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	19	<0.02	2.2	<0.005	<0.01	94	<0.01	<0.01	<0.02
LFPOC13	1/31/08	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	100	<0.01	<0.01	<0.01	<0.003	18	<0.02	2.1	<0.005	<0.01	110	<0.01	<0.01	<0.02
LZ-13	11/13/06	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	66	<0.01	<0.01	<0.01	<0.003	21	<0.02	2.2	<0.005	<0.01	100	<0.01	<0.01	<0.02
LZ-13	2/8/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	67	<0.01	<0.01	<0.01	<0.003	22	<0.02	1.8	<0.005	<0.01	100	<0.01	<0.01	0.063
LZ-13	4/19/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	93	<0.01	<0.01	<0.01	<0.003	32	<0.02	2.3	<0.005	<0.01	120	<0.01	<0.01	<0.02
LZ-13	7/23/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	88	<0.01	<0.01	<0.01	<0.003	29	<0.02	2.7	<0.005	<0.01	120	<0.01	<0.01	<0.02
LZ-13	10/30/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	90	<0.01	<0.01	<0.01	<0.003	29	<0.02	2.5	0.006	<0.01	120	<0.01	<0.01	<0.02
LZ-13	1/30/08	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	86	<0.01	<0.01	<0.01	<0.003	29	<0.02	2.1	<0.005	<0.01	110	<0.01	<0.01	<0.02
<b>Surface Water</b>																					
SW-1	11/21/06	SW6010	<0.02	<0.01	0.14	<0.005	<0.005	110	<0.01	<0.01	<0.01	<0.003	25	<0.02	3.6	<0.005	<0.01	61	<0.01	<0.01	<0.02
SW-1	2/8/07	SW6010	<0.02	<0.01	0.11	<0.005	<0.005	75	<0.01	<0.01	<0.01	0.0045	19	<0.02	6.6	<0.005	<0.01	130	<0.01	<0.01	0.083
SW-1 (Dup)	2/8/07	SW6010	<0.02	<0.01	0.1	<0.005	<0.005	73	<0.01	<0.01	0.01	0.0064	19	<0.02	6.8	<0.005	<0.01	130	<0.01	<0.01	0.08
SW-1	4/20/07	SW6010	<0.02	<0.01	0.12	<0.005	<0.005	98	<0.01	<0.01	<0.01	<0.003	30	<0.02	4.0	<0.005	<0.01	71	<0.01	<0.01	<0.02
SW-1 (Dup)	4/20/07	SW6010	<0.02	<0.01	0.12	<0.005	<0.005	99	<0.01	<0.01	<0.01	<0.003	30	<0.02	4.0	<0.005	<0.01	71	<0.01	<0.01	<0.02
SW-1	7/24/07	SW6010	<0.02	<0.01	0.14	<0.005	<0.005	110	<0.01	<0.01	<0.01	<0.003	26	<0.02	3.9	<0.005	<0.01	67	<0.01	<0.01	<0.02
SW-1 (Dup)	7/24/07	SW6010	<0.02	<0.01	0.14	<0.005	<0.005	110	<0.01	<0.01	<0.01	<0.003	26	<0.02	3.9	<0.005	<0.01	66	<0.01	<0.01	<0.02
SW-1	10/31/07	SW6010	<0.02	<0.01	0.14	<0.005	<0.005	110	<0.01	<0.01	<0.01	<0.003	25	<0.02	3.6	<0.005	<0.01	70	<0.01	<0.01	<0.02
SW-2	11/21/06	SW6010	<0.02	<0.01	0.11	<0.005	<0.005	130	<0.01	<0.01	<0.01	<0.003	30	<0.02	5.8	<0.005	<0.01	99	<0.01	<0.01	<0.02
SW-2 (Dup)	11/21/06	SW6010	<0.02	<0.01	0.11	<0.005	<0.005	130	<0.01	<0.01	<0.01	<0.003	30	<0.02	5.8	<0.005	<0.01	98	<0.01	<0.01	<0.02
SW-2	2/8/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	61	<0.01	<0.01	<0.01	0.0043	22	<0.02	8.8	<0.005	<0.01	190	<0.01	<0.01	0.043
SW-2	4/20/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	100	<0.01	<0.01	<0.01	<0.003	30	<0.02	5.0	<0.005	<0.01	95	<0.01	<0.01	<0.02
SW-2	7/24/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	81	<0.01	<0.01	<0.01	<0.003	27	<0.02	5.8	<0.005	<0.01	92	<0.01	<0.01	<0.02
SW-2	10/31/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	110	<0.01	<0.01	<0.01	<0.003	26	<0.02	5.4	<0.005	<0.01	85	<0.01	<0.01	<0.02
SW-3	11/21/06	SW6010	<0.02	<0.01	0.11	<0.005	<0.005	120	<0.01	<0.01	<0.01	<0.003	30	<0.02	5.7	<0.005	<0.01	99	<0.01	<0.01	<0.02

Notes: CDPHE - Colorado Department of Public Health and Environment      MCLs - Maximum Contaminant Levels  
mg/L - milligrams per Liter      (Dup) - Duplicate sample      < - below the Reporting Limit      (B) - Detected in Method Blank      (J) - Result is an estimated value.      (R) - Result is a rejected value.

**TABLE 2**  
**LABORATORY ANALYTICAL RESULTS - TOTAL METALS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Total Metals (mg/L)																		
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Lead	Magnesium	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
SW-3	2/8/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	62	<0.01	<0.01	<0.01	<0.003	22	<0.02	8.6	<0.005	<0.01	180	<0.01	<0.01	0.04
SW-3	4/20/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	110	<0.01	<0.01	<0.01	<0.003	30	<0.02	5.0	<0.005	<0.01	95	<0.01	<0.01	<0.02
SW-3	7/24/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	80	<0.01	<0.01	<0.01	<0.003	27	<0.02	5.8	<0.005	<0.01	92	<0.01	<0.01	<0.02
SW-3	10/31/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	110	<0.01	<0.01	<0.01	<0.003	26	<0.02	4.7	<0.005	<0.01	85	<0.01	<0.01	<0.02
SW-3 (Dup)	10/31/07	SW6010	<0.02	<0.01	<0.1	<0.005	<0.005	110	<0.01	<0.01	<0.01	<0.003	26	<0.02	4.7	<0.005	<0.01	85	<0.01	<0.01	<0.02
<b>CDPHE Standards (March 2005):</b>			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Federal Drinking Water Standards (MCLs):</b>			<b>0.006</b>	<b>0.010</b>	<b>2</b>	<b>0.004</b>	<b>0.005</b>	--	<b>0.1</b>	--	<b>1.3</b>	<b>0.015</b>	--	--	--	<b>0.05</b>	--	--	<b>0.002</b>	--	<b>5</b>
<b>Federal Secondary Drinking Water Standards:</b>			--	--	--	--	--	--	--	--	--	--	--	--	--	<b>0.10</b>	--	--	--	--	--

Notes: CDPHE - Colorado Department of Public Health and Environment      MCLs - Maximum Contaminant Levels  
mg/L - milligrams per Liter      (Dup) - Duplicate sample      < - below the Reporting Limit      (B) - Detected in Method Blank      (J) - Result is an estimated value.      (R) - Result is a rejected value.

**TABLE 3**  
**LABORATORY ANALYTICAL RESULTS - ANIONS AND TOTAL ORGANIC CARBON, AND FIELD PARAMETERS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	ANIONS						FIELD PARAMETERS			Total Organic Carbon (mg/L)
		Carbonate as CaCO3 (mg/L)	Bicarbonate as CaCO3 (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Nitrite as N (mg/L)	Nitrate as N (mg/L)	pH, Field (su)	Conductivity, Field (u-S)	Temperature, Field (Deg C)	
<b>Upgradient</b>											
BG-5	11/13/06	<20	390	180	120	<0.2	3.9	7.07	1270	18.30	2.9
BG-5	2/7/07	<20	400	220	120	0.52	3.0	7.05	1396	14.66	3.1
BG-5	4/19/07	<20	370	170	100	<0.1 (J)	2.2	7.52	1206	14.77	2.3
BG-5	7/23/07	<50	370	170	94	<0.1	2.2	7.17	1280	17.19	2.5
BG-5	10/30/07	<20	380	170	110	<0.1	2.5	7.4	1320	18.77	3.4
BG-5 (Dup)	10/30/07	<20	370	160	100	<0.1	2				3.4
BG-5	1/31/08	<50	390	200	110	<0.2	2.5	7.37	1015	13.79	3.2
BG-6	11/13/06	<20	230	180	53	<0.1	<0.2	7.55	640	16.76	1.1
BG-6	2/7/07	<20	230	45	52	<0.1	<0.2	7.46	624	13.56	1.2
BG-6 (Dup)	2/7/07	<20	230	44	51	0.1	<0.2	7.46	624	13.56	1.3
BG-6	4/20/07	<50	240	49	50	<0.1 (J)	<0.2	7.81	660	13.87	<1
BG-6	7/23/07	<50	230	44	49	<0.1	0.21	7.10	684	16.78	<1
BG-6	10/30/07	<20	220	49	52	<0.1	<0.2	7.74	726	17.92	1.5
BG-6	1/30/08	<50	240	48	54	<0.1	<0.2	7.69	634	13.56	1.5
LFPOC09	11/13/06	<20	310	60	97	<0.1	7.0	7.33	939	17.78	1.2
LFPOC09	2/8/07	<20	300	63	99	<0.1	6.9	7.27	921	16.35	1.3
LFPOC09	4/19/07	<50	300	62	94	<0.1 (J)	6.8	7.83	1980	15.92	42
LFPOC09	7/23/07	<50	300	59	90	<0.1	6.6	7.50	1010	16.92	1.1
LFPOC09	10/31/07	<20	310	64	97	<0.1	7.3	7.51	1075	16.84	2.1
LFPOC09	1/30/08	<50	290	64	99	<0.1	7.3	7.77	875	13.92	1.6
<b>Downgradient</b>											
LFPOC07	11/13/06	<20	320	57	76	<0.1	<0.2	7.56	865	11.43	1.5
LFPOC07	2/8/07	<20	320	60	74	<0.1	<0.2	7.59	849	6.59	1.4
LFPOC07	4/19/07	<50	320	62	70	<0.1 (J)	<0.2 (J)	8.02	916	9.47	1.1
LFPOC07	7/23/07	<50	320	56	67	<0.1	<0.2	7.51	929	12.51	1.2
LFPOC07	12/19/07	<20	320	59	74	<0.1	<0.2	7.81	907	10.1	1.5
LFPOC07	1/30/08	<50	340	57	75	<0.1	<0.2	7.58	843	6.56	1.6
LFPOC08	11/13/06	<20	390	98	98	<0.1	0.97	7.11	1103	12.53	1.8
LFPOC08	2/7/07	<20	400	100	100	0.26	0.67	6.80	1111	10.75	1.8
LFPOC08	4/19/07	<50	390	100	96	<0.1 (J)	0.6 (J)	7.99	1179	11.17	1.6
LFPOC08	7/23/07	<50	390	94	94	<0.1	0.6	7.11	1173	13.44	1.7
LFPOC08	10/30/07	<50	390	100	100	<0.1	0.53	7.78	1276	13.82	2.4
LFPOC08	1/30/08	<50	400	99	96	<0.1	0.54	7.37	1105	10.12	2.1
LFPOC10	11/13/06	<10	340	85	76	<0.1	0.67	7.08	963	13.51	1.6
LFPOC10	2/7/07	<20	350	87	73	0.23	<0.2	6.97	968	13.28	1.5
LFPOC10	4/19/07	<50	360	92	74	<0.1 (J)	<0.2	7.85	1056	13.78	1.4
LFPOC10	7/23/07	<50	360	87	70	<0.1	0.25	6.79	1060	15.87	1.3

Notes: CDPHE - Colorado Department of Public Health and Environment    su - standard units    Deg C - Degrees Centigrade    u-S - microSiemens/cm  
mg/L - milligrams per Liter    (Dup) - Duplicate sample    < - below the Reporting Limit    (B) - Detected in Method Blank    (J) - Result is an estimated value.    (R) - Result is a rejected value.

**TABLE 3**  
**LABORATORY ANALYTICAL RESULTS - ANIONS AND TOTAL ORGANIC CARBON, AND FIELD PARAMETERS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	ANIONS						FIELD PARAMETERS			Total Organic Carbon (mg/L)
		Carbonate as CaCO3 (mg/L)	Bicarbonate as CaCO3 (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Nitrite as N (mg/L)	Nitrate as N (mg/L)	pH, Field (su)	Conductivity, Field (u-S)	Temperature, Field (Deg C)	
LFPOC10	10/30/07	<50	350	91	76	<0.1	<0.2	7.76	1122	15.36	2.1
LFPOC10	1/30/08	<50	360	89	76	<0.1	<0.2	7.44	998	11.27	1.8
LFPOC10 (Dup)	1/30/08	<50	360	92	76	<0.1	<0.2				1.9
LFPOC11	11/13/06	<20	490	110	84	<0.2	<0.4	6.90	1252	13.73	1.8
LFPOC11	2/7/07	<20	490	110	77	0.28	<0.2	7.55	1248	13.44	1.7
LFPOC11	4/19/07	<50	490	120	80	<0.1 (J)	<0.2 (J)	7.75	1356	13.17	1.5
LFPOC11	7/23/07	<50	490	110	82	<0.1	<0.2	6.68	1371	14.49	1.6
LFPOC11	10/30/07	<50	490	120	87	<0.1	<0.2	6.85	1453	15.27	2.1
LFPOC11	1/30/08	<50	490	120	85	<0.1	<0.2	7.14	1334	11.43	1.9
LFPOC12	11/13/06	<20	430	89	180	<0.2	<0.4	6.97	1289	13.85	1.8
LFPOC12	2/8/07	<50	430	92	180	<0.2	<0.4	7.10	1260	12.73	1.9
LFPOC12	4/19/07	<50	420	95	170	<0.1 (J)	<0.2	7.12	1346	12.43	1.7
LFPOC12 (Dup)	4/19/07	<50	420	96	170	<0.1 (J)	<0.2 (J)	7.12	1346	12.43	1.5
LFPOC12	7/23/07	<50	430	89	160	<0.1	<0.2	7.63	1377	13.99	1.6
LFPOC12 (Dup)	7/23/07	<50	430	89	160	<0.1	<0.2	7.63	1377	13.99	1.6
LFPOC12	10/30/07	<50	430	95	170	<0.1	<0.2	7.61	1454	14.97	2.2
LFPOC12	1/30/08	<50	430	90	160	<0.1	<0.2	7.14	1242	11.8	1.8
LFPOC13	11/13/06	<20	330	98	120	<0.1	1.4	7.28	1051	15.41	1.6
LFPOC13	2/7/07	<10	330	88	120	0.24	1.7	6.27	1021	13.51	1.3
LFPOC13	4/20/07	<50	320	78	130	<0.1 (J)	3.0	7.84	1056	12.49	1.3
LFPOC13	7/23/07							7.47	1104	13.46	
LFPOC13	7/24/07	<50	320	96	110	<0.1	1.4				2.4
LFPOC13	9/27/07							7.42	1189	16.0	
LFPOC13	10/31/07	<20	330	110	130	<0.1	1.9	7.86	1242	15.59	2.5
LFPOC13	1/31/08	<50	330	100	120	<0.1	1.7	7.51	874	12.66	1.7
LZ-13	11/13/06	<20	330	63	75	<0.1	1.3	7.29	885	10.44	1.6
LZ-13	2/8/07	<50	330	67	77	<0.1	0.73	7.42	875	4.99	1.4
LZ-13	4/19/07	<50	350	98	190	<0.1 (J)	0.95 (J)	8.67	1250	9.00	2.1
LZ-13	7/23/07	<50	310	92	130	<0.1	<b>15</b>	7.38	1234	15.63	1
LZ-13	10/30/07	<50	320	92	160	<0.1	<b>13</b>	7.43	1282	14.05	4
LZ-13	1/30/08	<50	330	78	130	<0.1	6.8	7.48	1031	5.7	2.6
<b>Surface Water</b>											
SW-1	11/21/06	<20	290	41	52	<0.1	7.6	8.36	794	14.46	2.3
SW-1	2/8/07	<20	170	<b>260</b>	60	<0.1	4.1	7.75	1113	7.40	5.7
SW-1 (Dup)	2/8/07	<20	160	<b>270</b>	56	<0.1	3.9	7.75	1113	7.4	5.4
SW-1	4/20/07	<20	260	92	100	<0.1 (J)	5.3	8.11	997	11.51	2.5
SW-1 (Dup)	4/20/07	<20	260	94	110	<0.1 (J)	5.4	8.11	997	11.51	2.6
SW-1	7/24/07	<20	260	86	94	<0.1	7.3	8.13	1010	17.49	3.3

Notes: CDPHE - Colorado Department of Public Health and Environment    su - standard units    Deg C - Degrees Centigrade    u-S - microSiemens/cm  
mg/L - milligrams per Liter    (Dup) - Duplicate sample    < - below the Reporting Limit    (B) - Detected in Method Blank    (J) - Result is an estimated value.    (R) - Result is a rejected value.

**TABLE 3**  
**LABORATORY ANALYTICAL RESULTS - ANIONS AND TOTAL ORGANIC CARBON, AND FIELD PARAMETERS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	ANIONS						FIELD PARAMETERS			Total Organic Carbon (mg/L)
		Carbonate as CaCO3 (mg/L)	Bicarbonate as CaCO3 (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Nitrite as N (mg/L)	Nitrate as N (mg/L)	pH, Field (su)	Conductivity, Field (u-S)	Temperature, Field (Deg C)	
SW-1 (Dup)	7/24/07	23	260	85	93	<0.1	7.3	8.13	1010	17.49	3.3
SW-1	10/31/07	<20	280	94	94	<0.1	8.5	8.27	1115	15.29	3.2
SW-2	11/21/06	<20	270	<b>250</b>	<b>490</b>	<0.2	3.7	8.40	946	10.91	5.2
SW-2 (Dup)	11/21/06	<20	270	<b>250</b>	<b>490</b>	<0.2	3.7	8.40	946	10.91	5.2
SW-2	2/8/07	<20	120	<b>370</b>	100	<0.2	1.7	7.86	1430	4.39	6.3
SW-2	4/20/07	<20	210	130	190	<0.1 (J)	3.0	8.31	1155	12.27	6.4
SW-2	7/24/07	<20	190	110	170	<0.1	1.8	7.95	1075	23.52	8.3
SW-2	10/31/07	<20	240	100	190	<0.1	3.5	8.01	1194	11.5	6.6
SW-3	11/21/06	<10	260	<b>250</b>	<b>490</b>	<0.2	3.6	8.46	932	10.55	5.3
SW-3	2/8/07	<20	120	<b>360</b>	99	<0.2	1.7	7.93	1423	3.98	6.5
SW-3	4/20/07	<20	230	130	180	<0.1 (J)	3.0	8.23	1158	11.28	6
SW-3	7/24/07	<20	180	110	170	<0.1	1.7	7.98	1070	23.06	8.3
SW-3	10/31/07	<20	250	100	190	<0.1	3.5	8	1201	10.97	5.3
SW-3 (Dup)	10/31/07	<20	250	100	190	<0.1	3.5				5.3
<b>CDPHE Standards (March 2005):</b>		--	--	--	--	<b>1.0</b>	<b>10</b>	--	--	--	--
<b>CDPHE Secondary Drinking Water Standards (March 2005):</b>		--	--	<b>250</b>	<b>250</b>	--	--	--	--	--	--

Notes: CDPHE - Colorado Department of Public Health and Environment  
mg/L - milligrams per Liter

(Dup) - Duplicate sample

su - standard units  
< - below the Reporting Limit

Deg C - Degrees Centigrade  
(B) - Detected in Method Blank

u-S - microSiemens/cm  
(J) - Result is an estimated value.

(R) - Result is a rejected value.

**TABLE 4**  
**LABORATORY ANALYTICAL RESULTS**  
**GROSS ALPHA AND GROSS BETA**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Gross Alpha (pCi/L)	Gross Beta (pCi/L)
<b>Upgradient</b>				
BG-5	11/13/06	724R9	<b>40.3 +/- 6.8</b>	26.2 +/- 4.6
BG-5	2/7/07	724R9	<b>32.2 +/- 5.7</b>	18.1 +/- 3.6
BG-5	4/19/07	724R9	<b>54.7 +/- 9.4</b>	39.3 +/- 6.8
BG-5	7/23/07	724R9	<b>36.1 +/- 6.3</b>	18.9 +/- 3.9
BG-5	10/30/07	724R10	<b>32.3 +/- 5.8</b>	13.9 +/- 3.2
BG-5 (Dup)	10/30/07	724R10	<b>49.9 +/- 8.6</b>	20.4 +/- 3.9
BG-5	1/31/08	724R10	<b>54.3 +/- 9.2</b>	22.6 +/- 4.1
BG-6	11/13/06	724R9	11.8 +/- 2.9	5.6 +/- 2
BG-6	2/7/07	724R9	11.2 +/- 2.8	4.4 +/- 1.7
BG-6 (Dup)	2/7/07	724R9	11.2 +/- 2.8	5.5 +/- 1.9
BG-6	4/20/07	724R9	9.6 +/- 1.9	6.3 +/- 1.4
BG-6	7/23/07	724R9	12.9 +/- 2.7	4.1 +/- 1.9
BG-6	10/30/07	724R10	9.9 +/- 2.5	3.4 +/- 1.9 (U)
BG-6	1/30/08	724R10	9.7 +/- 1.9	5.2 +/- 1.3
LFPOC09	11/13/06	724R9	<b>35.3 +/- 6.5</b>	12.0 +/- 2.8
LFPOC09	2/8/07	724R9	<b>37.1 +/- 6.7</b>	14.9 +/- 3.1
LFPOC09	4/19/07	724R9	<b>41.7 +/- 7.3 (J)</b>	18.4 +/- 3.5
LFPOC09	7/23/07	724R9	<b>47.9 +/- 8.2</b>	14.1 +/- 3.1
LFPOC09	10/31/07	724R10	<b>36.7 +/- 6.5</b>	12.2 +/- 2.6
LFPOC09	1/30/08	724R10	<b>37.7 +/- 6.4</b>	10.9 +/- 2.3
<b>Downgradient</b>				
LFPOC07	11/13/06	724R9	<b>23.0 +/- 4.3</b>	9.2 +/- 2.1
LFPOC07	2/8/07	724R9	<b>21.0 +/- 4.1</b>	7.5 +/- 2.1
LFPOC07	4/19/07	724R9	<b>23.7 +/- 4.4</b>	10.8 +/- 2.3
LFPOC07	7/23/07	724R9	<b>27.8 +/- 4.9</b>	9.8 +/- 2.5
LFPOC07	12/19/07	724R10	<b>23.9 +/- 4.2</b>	9.3 +/- 2.1
LFPOC07	1/30/08	724R10	<b>20 +/- 3.6</b>	4.8 +/- 1.4
LFPOC08	11/13/06	724R9	<b>53.6 +/- 9.3</b>	21.0 +/- 4.1
LFPOC08	2/7/07	724R9	<b>49.5 +/- 8.6</b>	15.3 +/- 3.2
LFPOC08	4/19/07	724R9	<b>68 +/- 11</b>	26.2 +/- 4.8
LFPOC08	7/23/07	724R9	<b>60.8 +/- 10</b>	23.2 +/- 4.5
LFPOC08	10/30/07	724R10	<b>48.8 +/- 8.4</b>	16.3 +/- 3.3
LFPOC08	1/30/08	724R10	<b>64 +/- 11</b>	14.9 +/- 3
LFPOC10	11/13/06	724R9	<b>47.3 +/- 8.3</b>	14.3 +/- 3.1
LFPOC10	2/7/07	724R9	<b>52 +/- 9</b>	22.9 +/- 4.3

Notes: Results are displayed as the Result +/- 2 s TPU (2 standard deviations - Total Propagated Uncertainty, equivalent to 95% Confidence interval). Results are shown in bold if the result exceeds the standard.  
 CDPHE - Colorado Department of Public Health and Environment  
 pCi/L - picoCuries per Liter (Dup) - Duplicate sample  
 (B) - Detected in Method Blank (J) - Result is an estimated value. (R) - Result is a rejected value.

**TABLE 4**  
**LABORATORY ANALYTICAL RESULTS**  
**GROSS ALPHA AND GROSS BETA**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Gross Alpha (pCi/L)	Gross Beta (pCi/L)
LFPOC10	4/19/07	724R9	<b>60.2 +/- 10</b>	28.3 +/- 5
LFPOC10	7/23/07	724R9	<b>80 +/- 13</b>	21.2 +/- 4.1
LFPOC10	10/30/07	724R10	<b>67 +/- 11</b>	18.3 +/- 3.6
LFPOC10	1/30/08	724R10	<b>58.2 +/- 9.7</b>	13.2 +/- 2.7
LFPOC10 (Dup)	1/30/08	724R10	<b>57.6 +/- 9.6</b>	12.3 +/- 2.7
LFPOC11	11/13/06	724R9	<b>42.1 +/- 7.2</b>	25.0 +/- 4.4
LFPOC11	2/7/07	724R9	<b>51.5 +/- 8.8</b>	19.2 +/- 3.6
LFPOC11	4/19/07	724R9	<b>44.3 +/- 7.9</b>	21.6 +/- 4.1
LFPOC11	7/23/07	724R9	<b>56.2 +/- 9.5</b>	20.1 +/- 4
LFPOC11	10/30/07	724R10	<b>48.7 +/- 8.3</b>	18.5 +/- 3.7
LFPOC11	1/30/08	724R10	<b>53.2 +/- 9.2</b>	11.9 +/- 2.9
LFPOC12	11/13/06	724R9	13.4 +/- 2.7	8.4 +/- 2.1
LFPOC12	2/8/07	724R9	9.3 +/- 2.1	7.3 +/- 2.0
LFPOC12	4/19/07	724R9	11.8 +/- 2.7	6.4 +/- 2
LFPOC12 (Dup)	4/19/07	724R9	11.4 +/- 2.5	6.7 +/- 2
LFPOC12	7/23/07	724R9	12.9 +/- 2.7	6 +/- 2.4
LFPOC12 (Dup)	7/23/07	724R9	13.3 +/- 2.8	5.8 +/- 2.5
LFPOC12	10/30/07	724R10	11.9 +/- 2.6	5.8 +/- 2.3
LFPOC12	1/30/08	724R10	13.7 +/- 2.7	4.8 +/- 1.9
LFPOC13	11/13/06	724R9	<b>66 +/- 11</b>	40.5 +/- 6.9
LFPOC13	2/7/07	724R9	<b>77 +/- 13</b>	22.5 +/- 4.2
LFPOC13	4/20/07	724R9	<b>51.9 +/- 9</b>	30.9 +/- 5.4
LFPOC13	9/27/07	724R10	<b>70 +/- 12</b>	36 +/- 6.3
LFPOC13	10/31/07	724R10	<b>90 +/- 15</b>	17.2 +/- 3.5
LFPOC13	1/31/08	724R10	<b>65 +/- 11</b>	15.8 +/- 3
LZ-13	11/13/06	724R9	<b>17.6 +/- 3.4</b>	9.0 +/- 2.1
LZ-13	2/8/07	724R9	<b>20.2 +/- 3.9</b>	7.6 +/- 2
LZ-13	4/19/07	724R9	<b>35.2 +/- 6.3</b>	13.5 +/- 2.8
LZ-13	7/23/07	724R9	<b>25.1 +/- 4.5</b>	10.6 +/- 2.7
LZ-13	10/30/07	724R10	<b>23.7 +/- 4.5</b>	6.7 +/- 2
LZ-13	1/30/08	724R10	<b>26.2 +/- 4.6</b>	6.4 +/- 1.7
<b>Surface Water</b>				
SW-1	11/21/06	724R9	7.4 +/- 2.1	4.3 +/- 2
SW-1	2/8/07	724R9	5.2 +/- 1.5	8.5 +/- 2.2
SW-1 (Dup)	2/8/07	724R9	4.0 +/- 1.3	5.9 +/- 2.3
SW-1	4/20/07	724R9	8.6 +/- 1.9	7.0 +/- 1.9

Notes: Results are displayed as the Result +/- 2 s TPU (2 standard deviations - Total Propagated Uncertainty, equivalent to 95% Confidence interval). Results are shown in bold if the result exceeds the standard.  
 CDPHE - Colorado Department of Public Health and Environment  
 pCi/L - picoCuries per Liter (Dup) - Duplicate sample  
 (B) - Detected in Method Blank (J) - Result is an estimated value. (R) - Result is a rejected value.

**TABLE 4**  
**LABORATORY ANALYTICAL RESULTS**  
**GROSS ALPHA AND GROSS BETA**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Sampling Location / Well ID	Sample Date	Analytical Method	Gross Alpha (pCi/L)	Gross Beta (pCi/L)
SW-1 (Dup)	4/20/07	724R9	8.8 +/- 2	6.1 +/- 1.8
SW-1	7/24/07	724R9	5.3 +/- 1.9	7.9 +/- 2.5
SW-1 (Dup)	7/24/07	724R9	7.1 +/- 1.6	5 +/- 1.7
SW-1	10/31/07	724R10	5.3 +/- 1.5	5.1 +/- 1.7
SW-2	11/21/06	724R9	<b>15.3 +/- 3</b>	6.2 +/- 1.9
SW-2 (Dup)	11/21/06	724R9	11.1 +/- 2.4	6.7 +/- 1.9
SW-2	2/8/07	724R9	6.9 +/- 1.8 (J)	9.8 +/- 2.4
SW-2	4/20/07	724R9	12.6 +/- 2.7	8.0 +/- 2.1
SW-2	7/24/07	724R9	8.3 +/- 2.1	8.1 +/- 2.5
SW-2	10/31/07	724R10	9.3 +/- 2.2	6.4 +/- 1.9
SW-3	11/21/06	724R9	<b>16.4 +/- 3.2</b>	7.8 +/- 2.3
SW-3	2/8/07	724R9	6.3 +/- 1.6	10.7 +/- 2.5
SW-3	4/20/07	724R9	10.1 +/- 2.3	8.2 +/- 2
SW-3	7/24/07	724R9	7.7 +/- 1.9	7.2 +/- 2.3
SW-3	10/31/07	724R10	14.4 +/- 2.9	6.2 +/- 1.9
SW-3 (Dup)	10/31/07	724R10	10.8 +/- 2.4	5.4 +/- 1.9
<b>CDPHE Standards (March 2005):</b>			<b>15</b>	<b>--</b>

Notes: Results are displayed as the Result +/- 2 s TPU (2 standard deviations - Total Propagated Uncertainty, equivalent to 95% Confidence interval). Results are shown in bold if the result exceeds the standard.  
 CDPHE - Colorado Department of Public Health and Environment  
 pCi/L - picoCuries per Liter (Dup) - Duplicate sample  
 (B) - Detected in Method Blank (J) - Result is an estimated value. (R) - Result is a rejected value.

**TABLE 5**  
**SOIL VAPOR RESULTS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

<b>Vapor Point ID</b>	<b>Date</b>	<b>Field Measured CH<sub>4</sub> %</b>	<b>Analytical Results CH<sub>4</sub> ppm (%)</b>	<b>PID Readings</b>
GP-01	11/20/2006	0	0	0
	1/10/2007	0	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0
	GP-02	11/20/2006	0	0
1/10/2007		0	0	0
2/9/2007		0	0	0
3/9/2007		0	0	0
4/21/2007		0	0	0
5/25/2007		0	0	0
6/26/2007		0	0	0
7/23/2007		0	0	0
8/26/2007		0	0	0
9/24/2007		0	0	0
10/23/2007		0	0	0
1/28/2008		0	0	0
GP-03		11/20/2006	0	0
	1/10/2007	0	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0
	GP-04	11/20/2006	0	0
1/10/2007		0	0	0
2/9/2007		0	0	0
3/9/2007		0	0	0
4/21/2007		0	0	0
5/25/2007		0	0	0
6/26/2007		0	0	0
7/23/2007		0	0	0
8/26/2007		0	0	0
9/24/2007		0	0	0
10/23/2007		0	0	0
1/28/2008		0	0	0
GP-05		11/20/2006	0	0
	1/10/2007	0	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0

**TABLE 5**  
**SOIL VAPOR RESULTS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Vapor Point ID	Date	Field Measured CH <sub>4</sub> %	Analytical Results CH <sub>4</sub> ppm (%)	PID Readings
GP-06	11/20/2006	0	0	0
	1/10/2007	0	0	0
	2/9/2007	0.05	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0
	GP-07	11/20/2006	0	0
1/10/2007		0	0	0
2/9/2007		0	0	0
3/9/2007		0	0	0
4/21/2007		0	0	0
5/25/2007		0	0	0
6/26/2007		0	0	0
7/23/2007		0	0	0
8/26/2007		0	0	0
9/24/2007		0	0	0
10/23/2007		0	0	0
1/28/2008		0	0	0
GP-08		11/20/2006	0	0
	1/10/2007	0	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0
	GP-09	11/20/2006	0	0
1/10/2007		0	0	0
2/9/2007		0	0	0
3/9/2007		0	0	0
4/21/2007		0	0	0
5/25/2007		0	0	0
6/26/2007		0	0	0
7/23/2007		0	0	0
8/26/2007		0	0	0
9/24/2007		0	0	0
10/23/2007		0	0	0
1/28/2008		0	0	0
GP-10		11/20/2006	0	0
	1/10/2007	0	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0

**TABLE 5**  
**SOIL VAPOR RESULTS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

<b>Vapor Point ID</b>	<b>Date</b>	<b>Field Measured CH<sub>4</sub> %</b>	<b>Analytical Results CH<sub>4</sub> ppm (%)</b>	<b>PID Readings</b>
GP-11	11/20/2006	0	0	0
	1/10/2007	0	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0
	GP-12	11/20/2006	0	0
1/10/2007		0	0	0
2/9/2007		0	0	0
3/9/2007		0	0	0
4/21/2007		0	0	0
5/25/2007		0	0	0
6/26/2007		0	0	0
7/23/2007		0	0	0
8/26/2007		0	0	0
9/24/2007		0	0	0
10/23/2007		0	0	0
1/28/2008		0	0	0
GP-13		11/20/2006	0	0
	1/10/2007	0	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0
	GP-14	11/20/2006	0	0
1/10/2007		0	0	0
2/9/2007		0	0	0
3/9/2007		0	0	0
4/21/2007		0	0	0
5/25/2007		0	0	0
6/26/2007		0	0	0
7/23/2007		0	0	0
8/26/2007		0	0	0
9/24/2007		0	0	0
10/23/2007		0	0	0
1/28/2008		0	0	0
GP-15		11/20/2006	0	0
	1/10/2007	0	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0

**TABLE 5**  
**SOIL VAPOR RESULTS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Vapor Point ID	Date	Field Measured CH <sub>4</sub> %	Analytical Results CH <sub>4</sub> ppm (%)	PID Readings
GP-16	11/20/2006	0	0	0
	1/10/2007	0	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0
	GP-17	11/20/2006	0	0
1/10/2007		0	0	0
2/9/2007		0	0	0
3/9/2007		0	0	0
4/21/2007		0	0	0
5/25/2007		0	0	0
6/26/2007		0	0	0
7/23/2007		0	0	0
8/26/2007		0	0	0
9/24/2007		0	0	0
10/23/2007		0	0	0
1/28/2008		0	0	0
GP-18		11/20/2006	0	0
	1/10/2007	0	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0
	GP-19	11/20/2006	0	0
1/10/2007		0	0	0
2/9/2007		NS	NS	0
3/9/2007		NS	NS	0
4/21/2007		NS	NS	0
5/25/2007		NS	NS	0
6/26/2007		NS	NS	0
7/23/2007		NS	NS	0
8/26/2007		0	0	0
9/24/2007		NS	NS	0
10/23/2007		NS	NS	0
1/28/2008		NS	NS	0
GP-20		11/21/2006	0	0
	1/10/2007	0	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0

**TABLE 5**  
**SOIL VAPOR RESULTS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Vapor Point ID	Date	Field Measured CH <sub>4</sub> %	Analytical Results CH <sub>4</sub> ppm (%)	PID Readings
GP-21	11/21/2006	0	0	0
	1/10/2007	0.05	0	0
	2/9/2007	0.05	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0
	GP-22	11/21/2006	0	0
1/10/2007		0.35	0	0
2/9/2007		0.7	0	0
3/9/2007		0.95	0	0
4/21/2007		0.6	0	0
5/25/2007		1.2 <sup>A</sup>	<b>13,000 (1.3 %)</b>	0
6/26/2007		2	<b>45800 (4.58%)</b>	0
7/23/2007		0.45	8700 (0.87%)	0
8/26/2007		0	0	0
9/24/2007		0	0	0
10/23/2007		0	0	0
1/28/2008		0	0	0
GP-23		11/21/2006	0	0
	1/10/2007	0	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0
	GP-24	11/21/2006	0.1 <sup>B</sup>	<0.0005%
1/10/2007		0.05	0	0
2/9/2007		0	0	0
3/9/2007		0	0	0
4/21/2007		0	0	0
5/25/2007		0.05	0	0
6/26/2007		0	0	0
7/23/2007		0	0	0
8/26/2007		0	0	0
9/24/2007		0	0	0
10/23/2007		0	0	0
1/28/2008		0	0	0
GP-25		11/21/2006	0	0
	1/10/2007	0.1	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0

**TABLE 5**  
**SOIL VAPOR RESULTS**  
**LOWRY OU2 LANDFILL SITE**  
**FORMER LOWRY AIR FORCE BASE**  
**DENVER, COLORADO**

Vapor Point ID	Date	Field Measured CH <sub>4</sub> %	Analytical Results CH <sub>4</sub> ppm (%)	PID Readings
GP-26	11/21/2006	0	0	0
	1/10/2007	0	0	0
	2/9/2007	0	0	0
	3/9/2007	0	0	0
	4/21/2007	0	0	0
	5/25/2007	0.5	0	0
	6/26/2007	0	0	0
	7/23/2007	0	0	0
	8/26/2007	0	0	0
	9/24/2007	0	0	0
	10/23/2007	0	0	0
	1/28/2008	0	0	0
	GP-27	11/21/2006	0	0
1/10/2007		0	0	0
2/9/2007		0	0	0
3/9/2007		0	0	0
4/21/2007		0	0	0
5/25/2007		0	0	0
6/26/2007		0	0	0
7/23/2007		0	0	0
8/26/2007		0	0	0
9/24/2007		0	0	0
10/23/2007		0	0	0
1/28/2008		0	0	0

Notes:

% - percent by volume

A - Value exceeded 1.0% CH<sub>4</sub>. Laboratory analytical results are reported in ppm and (%) and are discussed in the text and Attachment 5 of 5/25/2007 results

B - Laboratory analytical result conducted 11/21/06, less than five parts per million by volume (ppm) or less than 0.0005% CH<sub>4</sub>

CH<sub>4</sub> - methane

NS - GP-19 not sampled due to water in sample lines

ppm - parts per million

Monitoring results for December 2006 were not obtained due to heavy snowfall that prevented access to the site.

PID - Photoionization Detector

TABLE 6  
STATISTICAL EVALUATION OF ANALYTICAL RESULTS  
LOWRY OU2 LANDFILL SITE  
FORMER LOWRY AIR FORCE BASE  
DENVER, COLORADO

Upgradient, all samples								Upgradient Statistics							Downgradient - 4th Qtr 2007 and 1st Qtr 2008				
Parameter	Units	Num Samp	Num ND	% ND	>50% ND	>15% ND	<=15% ND	Statistical Test	Distribution	Max Conc	Mean	Std Dev	UPL	MRL	Num Samp	Num ND	% ND	Max Conc	99% one-sided test result
<b>Total Metals</b>																			
Antimony, Total	mg/L	49	41	84%	X			Non Para UPL	Unknown	0.026			0.026	0.02	15	15	100%	ND	FALSE
Arsenic, Total	mg/L	49	29	59%	X			Non Para UPL	Unknown	0.21			0.21	0.01	15	15	100%	ND	FALSE
Barium, Total	mg/L	47	12	26%		X		Shapiro-Wilks, Cohen's	LogNormal	2.6	0.43		16.4	0.1	15	15	100%	ND	FALSE
Beryllium, Total	mg/L	49	36	73%	X			Non Para UPL	Unknown	0.01			0.01	0.005	15	15	100%	ND	FALSE
Cadmium, Total	mg/L	49	45	92%	X			Non Para UPL	Unknown	0.01			0.01	0.005	15	15	100%	ND	FALSE
Calcium, Total	mg/L	47	0	0%			X	Shapiro-Wilks, 1/2 MRL	LogNormal	230	107.7		492.7	1	15	0	0%	130	FALSE
Chromium, Total	mg/L	49	22	45%		X		Non Para UPL	Unknown	0.2	0.43		0.2	0.01	15	15	100%	ND	FALSE
Cobalt, Total	mg/L	47	33	70%	X			Non Para UPL	Unknown	0.086			0.086	0.01	15	15	100%	ND	FALSE
Copper, Total	mg/L	49	26	53%	X			Non Para UPL	Unknown	0.16			0.16	0.01	15	15	100%	ND	FALSE
Lead, Total	mg/L	49	22	45%		X		Non Para UPL	Unknown	0.35	0.05		0.35	0.003	15	15	100%	ND	FALSE
Magnesium, Total	mg/L	47	0	0%			X	Non Para UPL	Unknown	94	31.5		94	1	15	0	0%	29	FALSE
Nickel, Total	mg/L	49	36	73%	X			Non Para UPL	Unknown	0.12			0.12	0.02	15	15	100%	ND	FALSE
Potassium, Total	mg/L	47	6	13%			X	Non Para UPL	Unknown	31	6.7		31	1	15	0	0%	3.6	FALSE
Selenium, Total	mg/L	49	36	73%	X			Non Para UPL	Unknown	0.066			0.066	0.005	15	14	93%	0.006	FALSE
Silver, Total	mg/L	49	48	98%	X			Non Para UPL	Unknown	0.0051			0.0051	0.01	15	15	100%	ND	FALSE
Sodium, Total	mg/L	47	0	0%			X	Shapiro-Wilks, 1/2 MRL	LogNormal	130	83.8		164.0	1	15	0	0%	160	FALSE
Thallium, Total	mg/L	49	49	100%	X			Non Para UPL	Unknown	ND			0.013	0.01	15	14	93%	0.013	TRUE
Vanadium, Total	mg/L	47	25	53%	X			Non Para UPL	Unknown	0.31			0.31	0.01	15	15	100%	ND	FALSE
Zinc, Total	mg/L	49	17	35%		X		Non Para UPL	Unknown	0.48	0.13		0.48	0.02	15	15	100%	ND	FALSE
<b>Radionuclides</b>																			
Gross alpha	pCi/L	18	0	0%			X	Shapiro-Wilks, 1/2 MRL	Normal	54.7	30.6	15.7	88.2		15	0	0%	90	TRUE
Gross beta	pCi/L	18	1	6%			X	Shapiro-Wilks, 1/2 MRL	LogNormal	39.3	13.9		148.4		15	0	0%	18.5	FALSE
<b>Volatile Organic Compounds</b>																			
1,1,1,2-tetrachloroethane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
1,1,1-Trichloroethane	ug/L	50	50	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
1,1,2,2-tetrachloroethane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
1,1,2-Trichloroethane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
1,1-Dichloroethane	ug/L	50	50	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
1,1-Dichloroethene	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			2.6	2	15	15	100%	ND	FALSE
1,2,3-Trichloropropane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
1,2-Dibromo-3-chloropropane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
1,2-Dibromoethane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
1,2-Dichlorobenzene	ug/L	34	34	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
1,2-Dichloroethane	ug/L	50	47	94%	X			Non Para UPL	Unknown	0.33 (J)			1	1	15	15	100%	ND	FALSE
1,2-Dichloropropane	ug/L	50	50	100%	X			99% UPL is 1.3xMRL	Unknown	ND			13	10	15	15	100%	ND	FALSE
1,4-Dichlorobenzene	ug/L	34	34	100%	X			99% UPL is 1.3xMRL	Unknown	ND			13	10	15	15	100%	ND	FALSE
2-Butanone	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			13	10	15	15	100%	ND	FALSE
2-Hexanone	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			13	10	15	15	100%	ND	FALSE
4-methyl-2-pentanone	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Acetone	ug/L	43	43	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Benzene	ug/L	50	48	96%	X			Non Para UPL	Unknown	15			15	1	15	15	100%	ND	FALSE
Bromochloromethane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Bromodichloromethane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE

TABLE 6  
 STATISTICAL EVALUATION OF ANALYTICAL RESULTS  
 LOWRY OU2 LANDFILL SITE  
 FORMER LOWRY AIR FORCE BASE  
 DENVER, COLORADO

Upgradient, all samples								Upgradient Statistics							Downgradient - 4th Qtr 2007 and 1st Qtr 2008				
Parameter	Units	Num Samp	Num ND	% ND	>50% ND	>15% ND	<=15% ND	Statistical Test	Distribution	Max Conc	Mean	Std Dev	UPL	MRL	Num Samp	Num ND	% ND	Max Conc	99% one-sided test result
Bromoform	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Bromomethane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Carbon Disulfide	ug/L	48	47	98%	X			Non Para UPL	Unknown	5.7			5.7	1	15	15	100%	ND	FALSE
Carbon tetrachloride	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Chlorobenzene	ug/L	50	50	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Chloroethane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Chloroform	ug/L	49	48	98%	X			Non Para UPL	Unknown	1.2			1.2	1	15	15	100%	ND	FALSE
Chloromethane	ug/L	50	50	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
cis-1,2-dichloroethene	ug/L	48	48	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
cis-1,3-dichloropropene	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Dibromochloromethane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Dibromomethane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Ethylbenzene	ug/L	50	50	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Iodomethane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Methylene chloride	ug/L	44	37	84%	X			Non Para UPL	Unknown	5.9			5.9	1	15	15	100%	ND	FALSE
Styrene	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Tetrachloroethene	ug/L	50	50	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Toluene	ug/L	50	50	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Total xylenes	ug/L	47	47	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	7	7	100%	ND	FALSE
trans-1,2-dichloroethene	ug/L	50	50	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
trans-1,3-dichloropropene	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Trichloroethene	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Trichlorofluoromethane	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
Vinyl acetate	ug/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.95	1.5	15	15	100%	ND	FALSE
Vinyl chloride	ug/L	50	50	100%	X			99% UPL is 1.3xMRL	Unknown	ND			1.3	1	15	15	100%	ND	FALSE
<b>Field and General Water Quality Parameters</b>																			
Bicarbonate as CaCO3	mg/L	18	0	0%			X	Shapiro-Wilks, 1/2 MRL	Normal	400	305.6	64.3	541.4	31	15	0	0%	490	FALSE
Carbonate as CaCO3	mg/L	18	18	100%	X			99% UPL is 1.3xMRL	Unknown	ND			40.3	31	15	15	100%	ND	FALSE
Chloride	mg/L	22	0	0%			X	Non Para UPL	Unknown	220	101.7		220	2.3	15	0	0%	120	FALSE
Cond, field	u-S	18	0	0%			X	Shapiro-Wilks, 1/2 MRL	LogNormal	1980	1014.2		3294	NA	14	0	0%	1454	FALSE
Nitrate as N	mg/L	29	6	21%		X		Shapiro-Wilks, Cohen's	Normal	7.3	2.85	3.30	14.2	0.23	15	9	60%	13	FALSE
Nitrite as N	mg/L	29	28	97%	X			Non Para UPL	Unknown	0.52			0.52	0.12	15	15	100%	ND	FALSE
pH, field	su	18	0	0%			X	Between 6.0-9.0	NA	7.05-7.83	7.5	0.3	6.0-9.0	NA	14	0	0%	7.86	NA
Sulfate	mg/L	19	0	0%			X	Non Para UPL	Unknown	120	86.8		120	1.8	15	0	0%	170	TRUE
Total organic carbon	mg/L	18	2	11%			X	Non Para UPL	Unknown	42	4.1		42	1.1	15	0	0%	4	FALSE

Type: m - metals r - radionuclides voc - volatile organic compounds wq - water quality parameter

Units: mg/L - milligrams per Liter ug/L - micrograms per Liter su - standard units u-S - microSiemens/cm DegC - Degrees Centigrade

Num Samp: Number of samples Num ND: Number of samples with non-detects % ND: Num ND/Num Samp, expressed as a percentage.

>50%ND / >15%ND / <=15% ND: X indicates that % ND falls into the indicated range.

Statistical test: Selected test UPL - Upper Prediction Limit MRL - Method Reporting Limit

Max Conc - maximum reported concentration. Range of reported values is given for pH.

Mean - arithmetic average of non-transformed data from upgradient samples. Mean was not calculated for parameters with >50% NDs in upgradient samples.

Std Dev - standard deviation of non-transformed data from upgradient samples. Standard deviation is shown only for normally distributed upgradient data.

**ATTACHMENT 1**  
**MONITORING WELL DEVELOPMENT / PURGE FORMS**























**ATTACHMENT 2**  
**SOIL VAPOR MONITORING FORMS**



# GAS MONITORING FORM

FIELD SAMPLER(S): M. Garland \_\_\_\_\_

(Print Name)

SITE AND INSPECTION DATE: 1/28/08 \_\_\_\_\_

METERS USED: \_\_\_\_\_

METERS USED(cont'd): \_\_\_\_\_


SERIAL NUMBER(S): \_\_\_\_\_

WIND DIRECTION AND APPROXIMATE SPEED: Calm \_\_\_\_\_

PROBE OR VENT NUMBER	DATE	TIME	METHANE (%)	LEL <sup>1</sup> (%)	PID <sup>1</sup> (PPM)	OBSERVATIONS
GP01	1/28/08		0	0	0	
GP02	↓		0	0	0	
GP03			0	0	0	
GP04			0	0	0	
GP05			0	0	0	
GP06			0	0	0	
GP07			0	0	0	
GP08			0	0	0	Tube split, Fixed
GP09			0	0	0	
GP10			0	0	0	Tube split, Fixed
GP11			0	0	0	
GP12			0	0	0	
GP13			0	0	0	
GP14			0	0	0	
GP15			0	0	0	
GP16			0	0	0	
GP17			0	0	0	
GP18			0	0	0	
GP19			0	0	0	H <sub>2</sub> O in line
GP20			0	0	0	
GP21			0	0	0	

Notes:

<sup>1</sup> LEL and PID measurements are only taken from landfill gas vents (where applicable).

COMPLETED BY: Chris Puzelli \_\_\_\_\_ 1/28/08 \_\_\_\_\_  \_\_\_\_\_

(Print Name)

(Date)

(Date)

# GAS MONITORING FORM

FIELD SAMPLER(S): M. Gasland

(Print Name)

SITE AND INSPECTION DATE: 1/20/08

METERS USED: \_\_\_\_\_

METERS USED(cont'd): \_\_\_\_\_

SERIAL NUMBER(S): \_\_\_\_\_

WIND DIRECTION AND APPROXIMATE SPEED: calm

PROBE OR VENT NUMBER	DATE	TIME	METHANE (%)	LEL <sup>1</sup> (%)	PID <sup>1</sup> (PPM)	OBSERVATIONS
GP22	1/20/08 ↓		0	0	0	
GP23			0	0	0	
GP24			0	0	0	
GP25			0	0	0	
GP26			0	0	0	
GP27			0	0	0	

Notes:  
<sup>1</sup> LEL and PID measurements are only taken from landfill gas vents (where applicable).

COMPLETED BY: Chris Pavesi [Signature] 1/20/08  
 (Print Name) (Signature) (Date)

**ATTACHMENT 3**

**OCTOBER 2007 GROUNDWATER ANALYTICAL RESULTS**



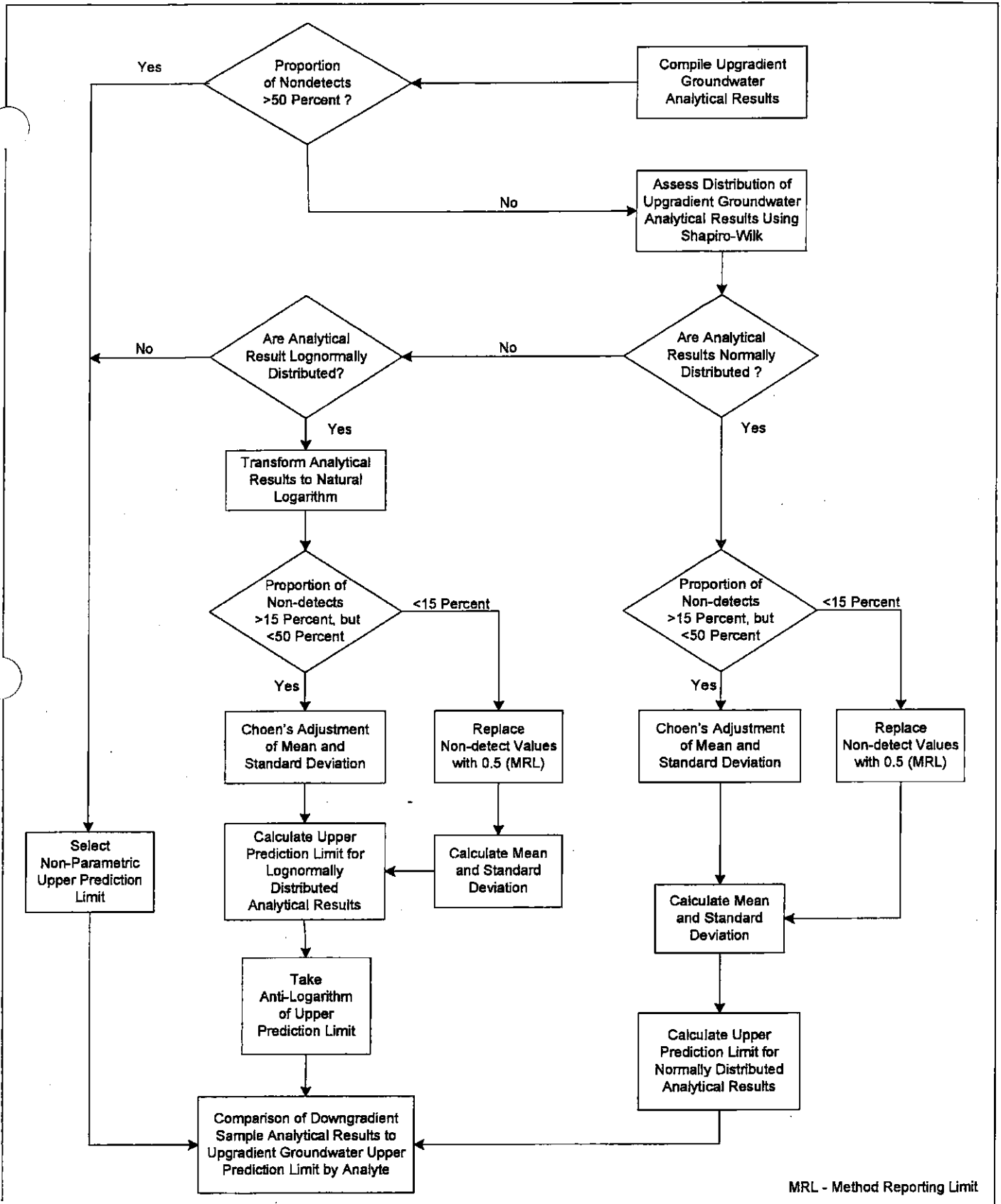
**ATTACHMENT 4**

**JANUARY 2008 GROUNDWATER ANALYTICAL RESULTS**



**ATTACHMENT 5**  
**DECISION LOGIC DIAGRAM**





**Flow Chart Prediction Limit  
Statistical Evaluation of Analytical  
Results**

**FIGURE 3**

Lowry Air Force Base  
Denver, Colorado

JOB NUMBER  
4664030001 7

DATE  
08/03