

**2013 ANNUAL REPORT – FINAL REPORT**

**Landfill Leak Detection Systems  
Coldwater Road Landfill  
Flint, Michigan  
MID 005 356 860**

**RACER TRUST  
Detroit, Michigan**

February 2014

**Landfill Leak Detection System  
Coldwater Road Landfill  
Flint, Michigan  
MID 005 356 860**

**Prepared for RACER Trust  
Detroit, Michigan**



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**SCOTT L. CORMIER, P.E.  
VICE PRESIDENT  
O'BRIEN & GERE ENGINEERS, INC.**



February 26, 2014

**Mr. Richard Conforti, P.E.**

Environmental Engineer  
Michigan Department of Environmental Quality  
Office of Waste Management and Radiological Protection  
PO Box 30473  
Lansing, MI 48909-7973

RE: Landfill Leak Detection System 2013 Annual Report  
Coldwater Road Landfill, Flint, Michigan  
MID 005 356 860  
FILE: 15388 /50137/rep

Dear Mr. Conforti:

On behalf of Revitalizing Auto Communities Environmental Response Trust (RACER), O'Brien & Gere is presenting the results of the 2013 annual leak detection system (LDS) sampling event conducted in November 2013 for the Coldwater Road Landfill site (Figure 1). Samples from six leak detection vaults (A through F) and six leachate collection sumps (A through F) were collected on November 4, 2013 for laboratory analysis.

The samples were analyzed for total organic carbon (TOC, Method 415.1), total suspended solids (TSS, Method 160.2), specific conductivity (Method 120.1), dissolved chromium (Cr), dissolved copper (Cu), dissolved nickel (Ni), and dissolved zinc (Zn, Method 200.8). The event also included field measurements for pH, specific conductivity and temperature.

The analytical results are summarized in three attached tables: Landfill Leak Detection Vaults – Historical Analytical Results, Inorganics and Metals (Table 1), Landfill Leachate Sumps – Historical Analytical Results, Inorganics and Metals (Table 2), and Leachate Sump Depth to Water (Table 3). A Site Location Map (Figure 1) and Landfill Site Layout (Figure 2) are also attached. The Analytical Laboratory Report and the Chain of Custody are included as (Appendix A).

The samples for the leak detection vaults and leachate sumps were collected on November 4, 2013 using a peristaltic pump and tubing for each vault and sump. Duplicate samples were collected from Vault D and Sump D. Samples were placed directly into laboratory prepared containers, logged onto a chain of custody form and placed on ice for transport to Merit Laboratories, Inc., in East Lansing, Michigan.

The laboratory analysis for TOC, TSS, dissolved metals, and the field parameters continue to show historically consistent concentrations for the vaults and sumps (Tables 1 and 2). A review of the analytical data presented in the attached tables indicates analytical results similar to previous sampling events, a summary of the data is provided below:

**VAULTS:**

- Chromium concentrations were not detected above the method detection limits
- Copper concentrations were not detected above the method detection limits; except in Vault D (4 µg/L), and Vault E (4 µg/L) where copper concentrations were detected at the method detection limit of 4 µg/L

- Nickel concentrations decreased slightly compared to previous sample results; except in Vault E where the nickel (12 µg/L) concentration increased slightly, but were within the range of historic concentrations
- Zinc concentrations not detected above the method detection limits or decreased; except in Vault B (14 µg/L) and Vault E (9 µg/L) where zinc concentrations increased slightly, but were within the range of historic concentrations
- TOC concentrations were comparable to previous sample results
- TSS concentrations were comparable to previous sample results or decreased
- pH concentrations were comparable to previous sample results or increased slightly within the range of historic concentrations
- Specific conductivity values were comparable to previous sample results; except in Vault B, Vault D and Vault E where specific conductivity increased slightly, but were within the range of historic concentrations.

**SUMPS:**

- Chromium concentrations increased slightly compared to previous sample results; except in Sump A and Sump B where chromium concentrations decreased
- Copper concentrations decreased slightly compared to previous sample results; except in Sump C and Sump D where copper concentrations increased
- Nickel concentrations decreased, except in Sump C where the nickel concentration increased, but was comparable to previous sampling results
- Zinc concentrations were comparable to previous samples results or increased slightly
- TOC concentrations increased, but were comparable to previous sample results
- TSS concentrations were comparable to previous sample results or decreased
- pH concentrations were comparable to previous sample results or decreased slightly; except in Sump E where pH increased
- Specific conductivity values increased, but were comparable to previous sample results, except in Sump E where specific conductivity decreased.

The duplicate samples collected during this sample event from Vault D and Sump D. The duplicate samples collected from Vault D and Sump D exhibited values consistent with the original results.

There were no exceedances of the Shewart control limits (SCL) during this sampling event. There was a positive (increasing) trend for specific conductivity in Vault D, a negative (decreasing) trend for copper in Vault D, and a negative trend for nickel in Vault A. The positive trend for specific conductivity in Vault D was not confirmed by the concentrations of other metals or pH, which were either not detected or showed decreasing trends. The positive and negative trends do not suggest there was a release from the landfill and will continue to be monitored during future sampling events. No other trends or spikes were observed during this monitoring event. The Shewart control charts are included as Appendix B.

The next semiannual sampling event will be completed in June 2014. If you have any questions, please feel free to contact either of us at (248) 477-5701.

Very truly yours,

**O'BRIEN & GERE ENGINEERS, INC.**



Scott L. Cormier, PE  
Vice President

Very truly yours,

**O'BRIEN & GERE ENGINEERS, INC.**



Clifford S. Yantz  
Scientist-3

**ENCLOSURES:**

- Table 1 – Vaults Historical Analytical Results
- Table 2 – Sumps Historical Analytical Results
- Table 3 – Sumps Depth to Water
- Figure 1 – Site Location Map
- Figure 2 – Site Layout
- Appendix A – Analytical Laboratory Reports
- Appendix B – Leak Detection Vault Control Charts

cc: David Favero – RACER Trust  
Kevin Schneider – O'Brien & Gere

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

On Behalf of RACER Trust



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Scott L. Cormier, P.E.  
Vice President – O'Brien & Gere Engineers, Inc.

Agent for RACER Trust

February 26, 2014

Date

cc: file

*TABLES*

**Table 1**  
**RACER Trust - Coldwater Road Landfill Facility**  
**Landfill Leak Detection Vaults - Historical Analytical Results**  
**Inorganics and Metals**

| Vault     | Sample Date | Indicator Parameters                             |            |      |      |      | Dissolved Metals (µg/L) |           |         |       |
|-----------|-------------|--|------------|------|------|------|-------------------------|-----------|---------|-------|
|           |             | TOC (mg/L)                                       | TSS (mg/L) | pH   | SpC  | T    | Cr                      | Cu        | Ni      | Zn    |
|           |             | MDEQ Residential Drinking Water Criteria & RBSLs |            |      |      |      | 100 (A)                 | 1,000 (E) | 100 (A) | 2,400 |
| Vault A   | 23-Mar-95   | 4.6  | <1         | 7.5  | 690  | --   | <20                     | <20       | <40     | 180   |
|           | 20-Jun-95   | 8.9  | 2.0        | 6.8  | 1900 | --   | 24                      | 21        | <30     | <20   |
|           | 30-Aug-95   | 8.2  | 2.0        | 6.9  | 2000 | --   | <20                     | <20       | <40     | <20   |
|           | 28-Nov-95   | 9.1  | <1         | 7.0  | 1900 | --   | 23                      | 31        | 43      | 24    |
|           | 27-Mar-96   | 140.0  | <10        | 7.2  | 2000 | --   | <20                     | <20       | 46      | <20   |
|           | 18-Jun-96   | 12.0   | <10        | 6.9  | 2000 | --   | <20                     | <20       | <20     | <20   |
|           | 20-Aug-96   | 32.0   | <5         | 7.1  | 1900 | --   | <20                     | <20       | <20     | 30    |
|           | 11-Nov-96   | 18.0   | 5.0        | 7.1  | 2000 | --   | <20                     | <20       | 30      | 60    |
|           | 19-Feb-97   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 9-May-97    | 13.0   | 17.0       | 6.7  | 1940 | 9.7  | <10                     | <10       | 71      | 90    |
|           | 12-Aug-97   | 6.0  | 4.0        | 6.0  | 1810 | 12.8 | <10                     | <10       | 88      | 60    |
|           | 15-Nov-97   | 8.0  | 12.0       | 6.5  | 2000 | 12.0 | <10                     | 10        | 125     | 100   |
|           | 9-Feb-98    | 6.0  | 8.0        | 6.4  | 1960 | 11.5 | <10                     | <10       | 73      | 60    |
|           | 14-May-98   | 12.0   | 15.0       | 6.9  | 1760 | 17.4 | <10                     | 20        | 13      | 200   |
|           | 14-Aug-98   | 5.0  | 6.0        | 6.7  | --   | --   | <10                     | <10       | 15      | 160   |
|           | 13-Nov-98   | 5.0  | 12.0       | 6.5  | 1990 | 16.5 | <10                     | <10       | 20      | 220   |
|           | 19-Mar-99   | 5.7  | 8.0        | 6.8  | 1334 | 13.6 | <10                     | 10        | 14      | 60    |
|           | 6-May-99    | 5.6  | 16.0       | 6.9  | 3250 | 26.2 | <10                     | <10       | 15      | 20    |
|           | 23-Jul-99   | 5.7  | 3.0        | 6.3  | 1470 | 18.9 | <5                      | 9         | 13      | 19    |
|           | 22-Oct-99   | 5.0  | 3.0        | 5.9  | 1750 | 12.1 | <10                     | <10       | 16      | 30    |
|           | 14-Mar-00   | 5.6  | <1         | 7.6  | 1410 | 10.7 | <10                     | <10       | 15      | 20    |
|           | 20-Jun-00   | 7.0  | 3.0        | 6.9  | 1410 | 18.3 | <10                     | <10       | 12      | 20    |
|           | 13-Sep-00   | 5.9  | 5.0        | 7.5  | 1650 | 15.1 | <5                      | <10       | 14      | 20    |
|           | 10-Nov-00   | 6.4  | 2.0        | 7.2  | 1470 | 11.8 | <10                     | 100       | 10      | 150   |
|           | 12-Mar-01   | 6.0  | 1.0        | 7.4  | 1530 | 12.8 | <10                     | <10       | 7       | 10    |
|           | 24-May-01   | 9.4  | 10.0       | 7.6  | 1380 | 11.9 | <10                     | <10       | 10      | 20    |
|           | 31-Aug-01   | 5.3  | 10.6       | 7.5  | 1450 | 12.5 | <5                      | <10       | 14      | 9     |
|           | 16-Nov-01   | 5.1  | 3.0        | 6.8  | 1300 | 12.4 | <10                     | <10       | 15      | 50    |
|           | 8-Mar-02    | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 31-May-02   | 2.4  | 54.0       | 7.2  | 1470 | 13.8 | <10                     | <10       | <5      | 40    |
|           | 5-Sep-02    | 4.7  | 6.0        | 6.6  | --   | --   | <5                      | <5        | 14      | 140   |
|           | 12-Dec-02   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 18-Mar-03   | 6.7  | 8.0        | 6.8  | 1290 | 12   | <5                      | <5        | 9       | 99    |
|           | 4-Jun-03    | 2.0  | 11.0       | 6.8  | 1370 | 11.3 | <5                      | <5        | 10      | <5    |
|           | 5-Oct-03    | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 8-Dec-03    | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 27-Feb-04   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 30-Jun-04   | 4.5  | 55.0       | 7.0  | 1318 | 12.5 | <5                      | <5        | 8       | <5    |
|           | 19-Nov-04   | 3.4  | 2.0        | 6.9  | 1120 | 11.4 | 6                       | <5        | 15      | 14    |
|           | Duplicate   | 19-Nov-04  | 4.4        | 4.0  | --   | --   | 6                       | <5        | 18      | 16    |
|           | 15-Jun-05   | 6.0  | 8.0        | 6.0  | 1640 | 13.4 | <5                      | 13        | 21      |       |
|           | 17-Jan-06   | 5.9  | 12785      | 10.0 | 1630 | 8.4  | <5                      | 13        | 8       |       |
| Re-sample | 14-Feb-06   | --   | --         | 7.9  | 1800 | 8.5  | --                      | 14        | --      |       |
|           | 29-Jun-06   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      |       |
|           | 28-Nov-06   | 4.7  | 438        | 7.7  | 1940 | 13.2 | <5                      | <4        | 13      | 6     |
|           | 6-Jun-07    | 4.9  | 11         | 6.8  | 1990 | 11.7 | 13                      | 4         | 20      | 8     |
|           | 12-Nov-07   | 5.9  | 70         | 6.8  | 2030 | 12.4 | 4                       | 5         | 21      | 11    |
|           | 24-Jun-08   | 5.0  | 371        | 6.9  | 2060 | 13.3 | <5                      | <1        | 25      | 5     |
|           | 17-Nov-08   | 5.8  | 23         | 6.1  | 2060 | 9.2  | <5                      | <1        | 22      | <5    |
|           | 23-Jun-09   | 5.5  | 88         | 7.0  | 2050 | 13.6 | <5                      | 11        | 27      | 36    |
|           | 17-Nov-09   | 6  | 8          | 7.1  | 2090 | 10.3 | <5                      | <4        | 22      | 7     |
|           | 14-Jun-10   | 6  | 10         | 7.1  | 2070 | 13.1 | 8                       | <4        | 16      | 6     |
|           | 20-Jun-11   | 6.7  | 9          | 7.3  | 2010 | 12.2 | 30                      | <4        | 27      | 39    |
| Re-sample | 14-Jul-11   | --   | --         | --   | --   | <5   | --                      | --        | --      | --    |
|           | 14-Nov-11   | 7.0  | 316        | 6.9  | 2080 | 11.5 | <5                      | <4        | 20      | <5    |
|           | 25-Jun-12   | 6.0  | 6          | 5.8  | 1870 | 11.9 | <5                      | 4         | 25      | <5    |
| Duplicate | 25-Jun-12   | 6.0  | 6          | 5.8  | 1872 | 11.9 | <5                      | 6         | 25      | 10    |
|           | 5-Dec-12    | 5.8  | 2          | 6.8  | 1820 | 10.6 | <5                      | <4        | 24      | 10    |
| Duplicate | 5-Dec-12    | 5.8  | 3          | 6.8  | 1814 | 10.6 | <5                      | <4        | 24      | 8     |
|           | 6-Jun-13    | 6.1  | 4          | 6.7  | 1882 | 11.0 | <5                      | <4        | 22      | <5    |
|           | 4-Nov-13    | 5.0  | <1         | 6.7  | 1630 | 11.2 | <5                      | <4        | 18      | <5    |

See notes on page 6.

**Table 1**  
**RACER Trust - Coldwater Road Landfill Facility**  
**Landfill Leak Detection Vaults - Historical Analytical Results**  
**Inorganics and Metals**

| Vault  | Sample Date     | Indicator Parameters |            |            |             |             | Dissolved Metals (µg/L) |              |          |           |    |
|--|-----------------|----------------------|------------|------------|-------------|-------------|-------------------------|--------------|----------|-----------|----|
|  |                 | TOC (mg/L)           | TSS (mg/L) | pH         | SpC         | T           | Cr                      | Cu           | Ni       | Zn        |    |
| MDEQ Residential Drinking Water Criteria & RBSLs |                 |                      |            |            |             | 100 (A)     | 1,000 (E)               | 100 (A)      | 2,400    |           |    |
| Vault B  | 23-Mar-95       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS       | NS        |    |
|  | 20-Jun-95       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS       | NS        |    |
|  | 30-Aug-95       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS       | NS        |    |
|  | 28-Nov-95       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS       | NS        |    |
|  | 27-Mar-96       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS       | NS        |    |
|  | 18-Jun-96       | 11.0                 | <10        | 6.9        | 1900        | --          | <20                     | <20          | <20      | <20       |    |
|  | 20-Aug-96       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS       | NS        |    |
|  | 11-Nov-96       | 17.0                 | 66.0       | 7.0        | 1600        | --          | <20                     | <20          | 20       | 40        |    |
|  | 19-Feb-97       | 7.0                  | 4          | 7.1        | 1590        | 8.9         | <10                     | <10          | 43       | 20        |    |
|  | 7-May-97        | 7.0                  | 4          | 6.5        | 1930        | 13.8        | <10                     | <10          | 45       | 20        |    |
|  | 12-Aug-97       | 5.0                  | 3.0        | 6.5        | 663         | 26.0        | <10                     | <10          | 26       | 60        |    |
|  | 15-Nov-97       | 6.0                  | 4.0        | 6.8        | 1400        | 11.0        | <10                     | <10          | 96       | 50        |    |
|  | 9-Feb-98        | 7.0                  | 8.0        | 6.6        | 1560        | 12.6        | <10                     | <10          | 57       | 20        |    |
|  | 14-May-98       | 6.0                  | 3.0        | 6.9        | 1490        | 11.2        | <10                     | <10          | 14       | 30        |    |
|  | 14-Aug-98       | 4.0                  | 7.0        | 6.6        | --          | --          | <10                     | <10          | 10       | 14        |    |
|  | 13-Nov-98       | 6.0                  | 18.0       | 6.3        | 1940        | 20.6        | <10                     | 10           | 17       | 80        |    |
|  | 19-Mar-99       | 4.2                  | 6.0        | 6.5        | 817         | 14.2        | <10                     | <10          | 5        | <10       |    |
|  | 6-May-99        | 5.6                  | 4.0        | 7.0        | 1330        | 26.2        | <10                     | 10           | 6        | 20        |    |
|  | 23-Jul-99       | 5.8                  | 3.0        | 6.5        | 1070        | 16.2        | <5                      | 13           | 10       | 18        |    |
|  | 22-Oct-99       | 5.0                  | 5.0        | 6.2        | 1440        | 11.0        | <10                     | <10          | 16       | 20        |    |
|  | 14-Mar-00       | 6.6                  | <1         | 8.0        | 900         | 11.0        | <10                     | <10          | 8        | 20        |    |
|  | 20-Jun-00       | 7.1                  | 7.0        | 6.8        | 1120        | 17.3        | <10                     | 30           | 9        | 30        |    |
|  | 13-Sep-00       | 5.4                  | <1         | 7.4        | 1560        | 15.6        | <5                      | 10           | 8        | 20        |    |
|  | 10-Nov-00       | 6.8                  | 1.0        | 7.1        | 1280        | 11.6        | <5                      | 40           | 14       | 90        |    |
|  | 12-Mar-01       | 5.2                  | 5.0        | 7.4        | 1460        | 12.3        | <10                     | <10          | 7        | 20        |    |
|  | 24-May-01       | 8.5                  | 10.0       | 7.6        | 1280        | 13.0        | <10                     | 20           | 12       | 40        |    |
|  | 31-Aug-01       | 3.9                  | <1.3       | 7.8        | 1370        | 12.9        | <5                      | <10          | 11       | 20        |    |
|  | 16-Nov-01       | 5.7                  | 2.0        | 7.1        | 1230        | 13.1        | <10                     | 10           | 8        | 60        |    |
|  | 8-Mar-02        | 5.4                  | 2.0        | 7.0        | 2400        | 8.5         | <10                     | 10           | <5       | 70        |    |
|  | 31-May-02       | 5.1                  | 3.0        | 7.2        | 1070        | 14.2        | <10                     | <10          | <5       | 20        |    |
|  | 5-Sep-02        | 4.8                  | 4.0        | 6.7        | --          | --          | <5                      | <5           | 8        | 84        |    |
|  | 12-Dec-02       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS       | NS        |    |
|  | 18-Mar-03       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS       | NS        |    |
|  | 4-Jun-03        | 5.5                  | 3.0        | 7.0        | 1530        | 10.1        | <5                      | <5           | 7        | <5        |    |
|  | 5-Oct-03        | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS       | NS        |    |
|  | 8-Dec-03        | 4.7                  | 2.0        | 7.1        | 1490        | 11.5        | <5                      | 6            | 5        | 35        |    |
|  | 8-Dec-03        | 4.7                  | 7.0        | --         | --          | --          | <5                      | 6            | 5        | 35        |    |
|  | 27-Feb-04       | 4.0                  | 12.0       | 7.4        | 1380        | 12.3        | <5                      | 5            | <5       | 16        |    |
|  | 30-Jun-04       | 4.1                  | 396.0      | 7.0        | 1210        | 11.8        | <5                      | 12           | 7        | <5        |    |
|  | 19-Nov-04       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS       | NS        |    |
|  | 15-Jun-05       | 6.0                  | 6.0        | 6.1        | 1560        | 12.8        | <5                      | <5           | 14       | 20        |    |
|  | 1-Dec-05        | 4.7                  | <1         | 6.9        | 1310        | 9.1         | <5                      | <5           | 8        | 50        |    |
|  | Re-sample       | 14-Feb-06            | --         | --         | 7.7         | 1520        | 6.1                     | --           | <4       | --        | -- |
|  | Duplicate       | 29-Jun-06            | 2.6        | 1.0        | 7.0         | 1050        | 13.9                    | <5           | <4       | 5         | 8  |
|  | Duplicate       | 28-Nov-06            | 5.5        | 4.0        | 7.5         | 1380        | 13.0                    | <5           | <4       | 8         | 11 |
| 28-Nov-06  |                 | 4.7                  | --         | 7.2        | 1340        | 13.0        | 5                       | 4            | 7        | 11        |    |
| Duplicate  | 6-Jun-07        | 4.7                  | 2.0        | 6.3        | 1670        | 12.1        | 9                       | 6            | 13       | 16        |    |
|  | 12-Nov-07       | 3.8                  | 1.0        | 6.9        | 1690        | 12.6        | 2                       | 5            | 16       | 14        |    |
| Duplicate  | 24-Jun-08       | 3.2                  | 6.0        | 7.0        | 1880        | 14.0        | <5                      | 2            | 8        | 9         |    |
|  | 17-Nov-08       | 2.4                  | <1         | 6.9        | 1818        | 9.6         | <5                      | 2            | 8        | 15        |    |
| 23-Jun-09  | 3.6             | 4.0                  | 7.1        | 1780       | 13.3        | <5          | 1                       | 6            | 17       |           |    |
| Duplicate  | 17-Nov-09       | 3                    | 0          | 7.0        | 1970        | 10.9        | <5                      | <4           | 9        | 17        |    |
|  | 14-Jun-10       | 3                    | 2          | 6.9        | 1810        | 12.1        | 8                       | <4           | 5        | 20        |    |
| Duplicate  | 8-Nov-10        | 4                    | 3          | 6.9        | 1911        | 12.2        | 21                      | <4           | 11       | 17        |    |
|  | 1-Dec-10        | --                   | --         | 6.9        | --          | 12.2        | 6                       | --           | --       | --        |    |
| Re-sample  | 20-Jun-11       | 3.4                  | 1          | 7.0        | 1496        | 12.2        | 28                      | <4           | 11       | 16        |    |
| Re-sample  | 14-Jul-11       | --                   | --         | --         | --          | --          | <5                      | --           | --       | --        |    |
| Duplicate  | 14-Nov-11       | 3.0                  | 1          | 6.9        | 1948        | 12.0        | <5                      | <4           | 7        | 9         |    |
|  | 25-Jun-12       | 3.0                  | 4          | 6.2        | 1781        | 12.5        | <5                      | <4           | <5       | 8         |    |
| Duplicate  | 5-Dec-12        | 3.2                  | 5          | 6.9        | 1936        | 10.2        | <5                      | 6            | 9        | 15        |    |
|  | 6-Jun-13        | 3.2                  | <1         | 6.7        | 1455        | 10.8        | <5                      | <4           | 6        | 7         |    |
|  | <b>4-Nov-13</b> | <b>3.0</b>           | <b>1</b>   | <b>6.7</b> | <b>1750</b> | <b>11.8</b> | <b>&lt;5</b>            | <b>&lt;4</b> | <b>5</b> | <b>14</b> |    |

See notes on page 6.

**Table 1**  
**RACER Trust - Coldwater Road Landfill Facility**  
**Landfill Leak Detection Vaults - Historical Analytical Results**  
**Inorganics and Metals**

| Vault     | Sample Date | Indicator Parameters                             |            |      |      |      | Dissolved Metals (µg/L) |           |         |       |
|-----------|-------------|--|------------|------|------|------|-------------------------|-----------|---------|-------|
|           |             | TOC (mg/L)                                       | TSS (mg/L) | pH   | SpC  | T    | Cr                      | Cu        | Ni      | Zn    |
|           |             | MDEQ Residential Drinking Water Criteria & RBSLs |            |      |      |      | 100 (A)                 | 1,000 (E) | 100 (A) | 2,400 |
| Vault C   | 23-Mar-95   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 20-Jun-95   | 4.4  | <1         | 7.4  | 530  | --   | 25                      | 25        | <30     | 60    |
|           | 30-Aug-95   | 3.7  | <1         | 7.4  | 340  | --   | <20                     | <20       | <40     | 74    |
|           | 28-Nov-95   | 7.6  | <1         | 7.0  | 2200 | --   | 29                      | 37        | 67      | 36    |
|           | 27-Mar-96   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 18-Jun-96   | 7.7  | <10        | 6.9  | 2000 | --   | <20                     | <20       | <20     | <20   |
|           | 20-Aug-96   | 8.3  | <5         | 6.9  | 1900 | --   | <20                     | <20       | <20     | 40    |
|           | 11-Nov-96   | 16.0   | 9.0        | 7.0  | 2100 | --   | <20                     | <20       | <20     | 80    |
|           | 19-Feb-97   | 7.0  | 1.0        | 7.6  | 1610 | 9.0  | <10                     | <10       | 45      | 30    |
|           | 7-May-97    | 6.0  | 10.0       | 6.6  | 1730 | 12.5 | <10                     | 100       | 66      | 20    |
|           | 8-Aug-97    | 4.0  | 13.0       | 6.3  | 1610 | 24.1 | <10                     | <10       | 79      | 20    |
|           | 15-Nov-97   | 6.0  | 4.0        | 6.7  | 2000 | 12.0 | <10                     | <10       | 122     | 50    |
|           | 9-Feb-98    | 8.0  | 4.0        | 6.5  | 1720 | 12.2 | <10                     | <10       | 64      | 50    |
|           | 14-May-98   | 6.0  | 3.0        | 6.9  | 1600 | 12.1 | <10                     | <10       | 23      | 40    |
|           | 14-Aug-98   | 6.0  | 5.0        | 6.8  | --   | --   | <10                     | <10       | 23      | 40    |
|           | 13-Nov-98   | 6.0  | 12.0       | 6.3  | 1760 | 21.4 | <10                     | <10       | 21      | 30    |
|           | 13-Nov-98   | 6.0  | 10.0       | --   | --   | --   | <10                     | <10       | 21      | 30    |
|           | 19-Mar-99   | 6.3  | 2.0        | 7.0  | 1300 | 15.6 | <10                     | <10       | 19      | 20    |
|           | 6-May-99    | 6.1  | 8.0        | 6.9  | 1600 | 26.6 | <10                     | 10        | 20      | 20    |
|           | 23-Jul-99   | 6.5  | 0.0        | 6.7  | 1370 | 17.3 | <5                      | 12        | 20      | 20    |
|           | 22-Oct-99   | 6.4  | 5.0        | 6.6  | 1160 | 11.0 | <10                     | <10       | 18      | 10    |
|           | 14-Mar-00   | 6.5  | 1.0        | 7.8  | 1350 | 12.6 | <10                     | <10       | 17      | 10    |
|           | 20-Jun-00   | 6.0  | 4.0        | 6.9  | 1280 | 18.3 | <10                     | 140       | 19      | 170   |
|           | 13-Sep-00   | 6.1  | <1         | 7.6  | 1430 | 14.9 | <5                      | <10       | 16      | 20    |
|           | 10-Nov-00   | 10.6   | 4.0        | 6.8  | 1210 | 12.1 | <10                     | <10       | 17      | 40    |
|           | 12-Mar-01   | 6.3  | 4.0        | 7.7  | 1380 | 12.1 | <10                     | <10       | 8       | <10   |
|           | 24-May-01   | 9.2  | 8.0        | 7.5  | 1410 | 13.3 | <10                     | <10       | 17      | 30    |
|           | 31-Aug-01   | 5.4  | 4.0        | 7.4  | 1530 | 13.1 | <5                      | <10       | 16      | 20    |
|           | 16-Nov-01   | 6.0  | 2.0        | 6.8  | 1170 | 13.2 | <10                     | <10       | 15      | 60    |
|           | 8-Mar-02    | 4.0  | 1.0        | 7.1  | 1680 | 11.3 | <10                     | 10        | <5      | 20    |
|           | 31-May-02   | 5.1  | 7.0        | 7.2  | 1280 | 14.2 | <10                     | <10       | 14      | 40    |
|           | 5-Sep-02    | 5.0  | 7.0        | 6.7  | --   | --   | <5                      | <5        | 14      | 39    |
|           | 12-Dec-02   | 4.2  | 7.0        | 6.9  | 1330 | 12.1 | <5                      | <5        | 12      | 53    |
|           | 18-Mar-03   | 5.7  | 4.0        | 6.8  | 1260 | 10.7 | <5                      | <5        | 10      | 37    |
|           | 4-Jun-03    | 4.4  | 6.0        | 6.9  | 1150 | 11.0 | <5                      | <5        | 8       | <5    |
|           | 5-Oct-03    | 4.4  | 4.0        | 7.0  | 1230 | 13.6 | <5                      | <5        | 14      | 28    |
|           | 8-Dec-03    | 3.8  | 6.0        | 7.1  | 1520 | 11.6 | <5                      | 11        | 14      | 63    |
|           | 27-Feb-04   | 4.6  | 1.0        | 7.4  | 1410 | 12.1 | <5                      | <5        | 12      | 36    |
|           | 30-Jun-04   | 3.7  | 14.0       | 7.0  | 1008 | 12.2 | <5                      | <5        | 12      | 8     |
|           | 19-Nov-04   | 4.3  | 4.0        | 6.9  | 1090 | 11.7 | <5                      | <5        | 20      | 6     |
|           | 15-Jun-05   | 5.0  | 6.0        | 6.3  | 1460 | 12.5 | <5                      | <5        | 15      | 39    |
|           | 1-Dec-05    | 5.9  | 2.0        | 6.9  | 1620 | 11.1 | <5                      | <5        | 18      | 15    |
| 29-Jun-06 | 2.6         | 5.0  | 6.9        | 2260 | 15.2 | 5    | <4                      | 10        | 11      |       |
| 28-Nov-06 | 11.6        | 44.0   | 7.0        | 1430 | 13.4 | <5   | 5                       | 15        | <5      |       |
| 6-Jun-07  | 4.9         | 6.0  | 6.5        | 1510 | 12.2 | 9    | 5                       | 11        | 6       |       |
| 12-Nov-07 | 4.3         | 1.0  | 6.9        | 1490 | 13.2 | 2    | 5                       | 16        | 12      |       |
| 24-Jun-08 | 4.2         | 49.0   | 6.9        | 1620 | 13.4 | <5   | <1                      | 9         | <5      |       |
| 17-Nov-08 | 4.4         | 6.0  | 6.8        | 1600 | 9.4  | <5   | <1                      | 10        | 11      |       |
| 23-Jun-09 | 4.6         | 9.0  | 7.2        | 1660 | 13.7 | <5   | <1                      | 8         | 6       |       |
| 17-Nov-09 | 5           | 15   | 7.1        | 1650 | 11.5 | <5   | <4                      | 9         | 6       |       |
| Duplicate | 17-Nov-09   | 5  | 20         | 7.1  | 1650 | 11.5 | <5                      | <4        | 9       | 6     |
| 14-Jun-10 | 5           | 4  | 7.0        | 1710 | 12.4 | 7    | <4                      | 7         | 7       |       |
| 8-Nov-10  | 6           | 7  | 7.2        | 1670 | 12.7 | 16   | <4                      | 11        | <5      |       |
| 20-Jun-11 | 5.4         | 5  | 7.3        | 1686 | 12.9 | 25   | <4                      | 15        | 22      |       |
| Duplicate | 20-Jun-11   | 5.9  | 5          | 7.3  | 1688 | 12.9 | 24                      | <4        | 14      | 21    |
| Re-sample | 14-Jul-11   | --   | --         | --   | --   | <5   | --                      | --        | --      | --    |
| 14-Nov-11 | 5.0         | 5  | 7.0        | 1699 | 12.4 | <5   | <4                      | 10        | <5      |       |
| 25-Jun-12 | 5.0         | 7  | 6.8        | 1748 | 13.0 | <5   | <4                      | 6         | <5      |       |
| 5-Dec-12  | 5.4         | 1  | 6.9        | 1713 | 11.1 | <5   | 11                      | 16        | 9       |       |
| 6-Jun-13  | 5.4         | 22   | 6.7        | 1744 | 12.2 | <5   | <4                      | 10        | 6       |       |
| 4-Nov-13  | 5.3         | 1  | 6.8        | 1703 | 11.8 | <5   | <4                      | 8         | <5      |       |

See notes on page 6.

**Table 1**  
**RACER Trust - Coldwater Road Landfill Facility**  
**Landfill Leak Detection Vaults - Historical Analytical Results**  
**Inorganics and Metals**

| Vault     | Sample Date | Indicator Parameters                             |            |      |      |      | Dissolved Metals (µg/L) |           |         |       |
|-----------|-------------|--|------------|------|------|------|-------------------------|-----------|---------|-------|
|           |             | TOC (mg/L)                                       | TSS (mg/L) | pH   | SpC  | T    | Cr                      | Cu        | Ni      | Zn    |
|           |             | MDEQ Residential Drinking Water Criteria & RBSLs |            |      |      |      | 100 (A)                 | 1,000 (E) | 100 (A) | 2,400 |
| Vault D   | 23-Mar-95   | 8.9  | 83.0       | 7.3  | 2200 |      | 13                      | <20       | 44      | <20   |
|           | 20-Jun-95   | NS   | NS         | NS   | NS   |      | NS                      | NS        | NS      | NS    |
|           | 30-Aug-95   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 28-Nov-95   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 27-Mar-96   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 18-Jun-96   | 11.0   | 150.0      | 6.9  | 1800 | --   | <20                     | <20       | <20     | 20    |
|           | 20-Aug-96   | 40.0   | <5         | 7.2  | 1600 | --   | <20                     | <20       | <20     | 40    |
|           | 11-Nov-96   | 23.0   | 9.0        | 7.0  | 1700 | --   | <20                     | <20       | 40      | 70    |
|           | 19-Feb-97   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 9-May-97    | 23.0   | 76.0       | 6.7  | 1580 | 8.8  | <10                     | <10       | 58      | 70    |
|           | 8-Aug-97    | 11.0   | 44.0       | 6.5  | 1540 | 28.5 | <10                     | <10       | 79      | 20    |
|           | 15-Nov-97   | 12.0   | 6.0        | 6.6  | 1800 | 11.0 | <10                     | <10       | 114     | 30    |
|           | 9-Feb-98    | 12.0   | 52.0       | 6.5  | 1655 | 12.5 | <10                     | <10       | 66      | 40    |
|           | 14-May-98   | 10.0   | 40.0       | 7.0  | 1700 | 16.3 | <10                     | 30        | 23      | 50    |
|           | 14-Aug-98   | 11.0   | 57.0       | 6.6  | --   | --   | <10                     | <10       | 23      | 40    |
|           | 13-Nov-98   | 11.0   | 22.0       | 6.7  | 1790 | 15.2 | <10                     | <10       | 20      | 30    |
|           | 19-Mar-99   | 6.3  | 2.0        | 7.0  | 1302 | 14.8 | <10                     | 30        | 20      | 40    |
|           | 6-May-99    | 12.4   | 28.0       | 6.9  | 1510 | 25.2 | <10                     | 30        | 15      | 30    |
|           | 23-Jul-99   | 11.0   | 40.0       | 7.0  | 1231 | 21.0 | <5                      | 9         | 21      | 19    |
|           | 22-Oct-99   | 10.6   | 13.0       | 6.8  | 1384 | 10.3 | <10                     | <10       | 23      | 20    |
|           | 14-Mar-00   | 10.7   | 57.0       | 7.8  | 1460 | 13.0 | <10                     | <10       | 15      | 20    |
|           | 20-Jun-00   | 10.1   | 23.0       | 6.8  | 1410 | 18.7 | <10                     | 60        | 21      | 70    |
|           | 13-Sep-00   | 10.7   | 7.0        | 7.6  | 1370 | 16.1 | <5                      | <10       | 21      | 20    |
|           | 10-Nov-00   | 7.0  | 10.0       | 7.2  | 1630 | 12.2 | <10                     | <10       | 23      | 20    |
|           | 12-Mar-01   | 5.6  | 33.0       | 7.8  | 1710 | 12.9 | <10                     | <10       | 11      | 10    |
|           | 24-May-01   | 12.0   | 16.0       | 7.5  | 1760 | 13.1 | <10                     | 10        | 18      | 30    |
|           | 31-Aug-01   | 9.8  | 8.0        | 7.7  | 1420 | 12.8 | 5                       | <10       | 24      | 20    |
|           | 16-Nov-01   | 7.4  | 20.0       | 7.6  | 1270 | 12.9 | <10                     | 10        | 17      | 50    |
|           | 8-Mar-02    | 8.4  | 3.0        | 7.2  | 1430 | 10.9 | <10                     | 10        | <5      | 10    |
|           | 31-May-02   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 5-Sep-02    | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 12-Dec-02   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 18-Mar-03   | 8.9  | 15.0       | 6.8  | 1380 | 11.6 | <5                      | 5.0       | 10.0    | 19    |
|           | 4-Jun-03    | 9.6  | 5.0        | 6.9  | 1430 | 11.0 | <5                      | <5        | 8       | <5    |
|           | 5-Oct-03    | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 8-Dec-03    | 6.1  | 4.0        | 6.9  | 1330 | 11.0 | 8                       | 17        | 14      | 63    |
|           | 27-Feb-04   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 30-Jun-04   | 6.5  | 5.0        | 7.0  | 1050 | 12.1 | <5                      | <5        | 30      | 9     |
|           | 19-Nov-04   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 15-Jun-05   | 6.0  | 6.0        | 5.9  | 1540 | 12.9 | <5                      | <5        | 25      | 17    |
| 17-Jan-06 | 6.2         | 8.0  | 7.3        | 1600 | 7.9  | 6    | 14                      | 37        | <5      |       |
| Re-sample | 14-Feb-06   | --   | --         | 8.0  | 1520 | 9.2  | --                      | 5         | --      | --    |
|           | 29-Jun-06   | 5.9  | 51.0       | 7.0  | 1570 | 13.9 | 6                       | <4        | 26      | 14    |
|           | 28-Nov-06   | 7.2  | 13.0       | 7.2  | 1590 | 13.1 | <5                      | <4        | 17      | 7     |
|           | 6-Jun-07    | 6.9  | 7.0        | 7.3  | 1530 | 14.2 | 9                       | 5         | 34      | 8     |
| Duplicate | 12-Nov-07   | 7.3  | 5.0        | 6.9  | 1580 | 12.3 | 3                       | 5         | 23      | 12    |
|           | 12-Nov-07   | 6.0  | 7.0        | 6.9  | 1570 | 12.3 | 3                       | 5         | 23      | 9     |
|           | 24-Jun-08   | 4.1  | 4.0        | 6.9  | 1570 | 15.4 | <5                      | <1        | 35      | <5    |
|           | 17-Nov-08   | 5.6  | 10.0       | 7.4  | 1580 | 8.0  | <5                      | 1         | 17      | 6     |
|           | 23-Jun-09   | 7.0  | 20.0       | 7.2  | 1570 | 13.7 | <5                      | <1        | 34      | 5     |
|           | 17-Nov-09   | 6.0  | 7          | 7.3  | 1610 | 11.5 | <5                      | <4        | 16      | 7     |
| Duplicate | 14-Jun-10   | 7.0  | 35         | 7.1  | 1550 | 11.9 | 8                       | <4        | 32      | 11    |
|           | 14-Jun-10   | 7.0  | 1          | 7.1  | 1550 | 11.9 | 7                       | <4        | 33      | 11    |
|           | 8-Nov-10    | 9.0  | 31         | 7.4  | 1555 | 13.4 | 19                      | <4        | 18      | <5    |
|           | 14-Jul-11   | --   | --         | 7.2  | --   | 18.0 | <5                      | <4        | 40      | <5    |
|           | 14-Nov-11   | 9.0  | 5          | 7.0  | 1513 | 11.8 | <5                      | <4        | 25      | <5    |
|           | 25-Jun-12   | 5.0  | 3          | 5.7  | 1367 | 14.5 | <5                      | 16        | 29      | 15    |
|           | 5-Dec-12    | 7.3  | 3          | 7.1  | 1471 | 10.4 | <5                      | 11        | 33      | 22    |
|           | 6-Jun-13    | 7.5  | 3          | 6.8  | 1534 | 11.5 | <5                      | 5         | 18      | 75    |
| Duplicate | 4-Nov-13    | 7.2  | <1         | 7.0  | 1565 | 11.8 | <5                      | 4         | 13      | 7     |
|           | 4-Nov-13    | 7.6  | <1         | 7.0  | 1562 | 11.8 | <5                      | <4        | 13      | 9     |

See notes on page 6.

**Table 1**  
**RACER Trust - Coldwater Road Landfill Facility**  
**Landfill Leak Detection Vaults - Historical Analytical Results**  
**Inorganics and Metals**

| Vault     | Sample Date | Indicator Parameters                             |            |      |      |      | Dissolved Metals (µg/L) |           |         |       |
|-----------|-------------|--|------------|------|------|------|-------------------------|-----------|---------|-------|
|           |             | TOC (mg/L)                                       | TSS (mg/L) | pH   | SpC  | T    | Cr                      | Cu        | Ni      | Zn    |
|           |             | MDEQ Residential Drinking Water Criteria & RBSLs |            |      |      |      | 100 (A)                 | 1,000 (E) | 100 (A) | 2,400 |
| Vault E   | 23-Mar-95   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 20-Jun-95   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 30-Aug-95   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 28-Nov-95   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 27-Mar-96   | 110.0  | <10        | 7.2  | 2000 | --   | <20                     | <20       | 46      | <20   |
|           | 18-Jun-96   | 9.0  | 76.0       | 7.0  | 2400 | --   | <20                     | <20       | <20     | <20   |
|           | 10/04/96    | 5.9  | 19.0       | 6.9  | 2000 | --   | <20                     | <20       | <20     | 20    |
|           | 11-Nov-96   | 12.0   | 11.0       | 7.0  | 1800 | --   | <20                     | <20       | <20     | 30    |
|           | 19-Feb-97   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 7-May-97    | 7.0  | 2.0        | 6.3  | 2120 | 15.6 | <10                     | <10       | 35      | 30    |
|           | 12-Aug-97   | 5.0  | 27.0       | 6.7  | 1840 | 14.9 | <10                     | <10       | 64      | 40    |
|           | 15-Nov-97   | 5.0  | 12.0       | 6.5  | 2100 | 11.0 | <10                     | <10       | 116     | 40    |
|           | 9-Feb-98    | 6.0  | 4.0        | 6.6  | 1950 | 12.6 | <10                     | <10       | 54      | 50    |
|           | 14-May-98   | 6.0  | 32.0       | 7.1  | 1850 | 13.5 | <10                     | <10       | 7       | 60    |
|           | 14-Aug-98   | 4.0  | 8.0        | 6.7  | --   | --   | <10                     | <10       | 8       | 40    |
|           | 30-Nov-98   | 3.0  | 14.0       | --   | --   | --   | 10                      | <10       | 46      | 60    |
|           | 19-Mar-99   | 4.8  | 20.0       | 6.5  | 1302 | 14.3 | <10                     | 20        | 6       | 30    |
|           | 6-May-99    | 8.2  | 14.0       | 6.9  | 1720 | 27.4 | <10                     | <10       | 5       | 20    |
|           | 23-Jul-99   | 4.6  | 9.0        | 6.5  | 1468 | 21.8 | <5                      | 11        | 6       | 19    |
|           | 22-Oct-99   | 3.5  | 6.0        | 6.3  | 1382 | 11.0 | <10                     | <10       | 6       | 20    |
|           | 14-Mar-00   | 5.6  | 48.0       | 8.0  | 1500 | 13.9 | <10                     | <10       | 5       | 10    |
|           | 20-Jun-00   | 6.3  | 22.0       | 6.9  | 1430 | 19.6 | <10                     | 30        | <5      | 30    |
|           | 13-Sep-00   | 4.1  | 5.0        | 7.7  | 1360 | 15.7 | <5                      | <10       | 5       | 20    |
|           | 10-Nov-00   | 4.3  | 4.0        | 7.5  | 1290 | 11.8 | <10                     | 40        | 5       | 60    |
|           | 12-Mar-01   | 5.4  | 9.0        | 7.3  | --   | 12.7 | <10                     | <10       | 5       | 10    |
|           | 24-May-01   | 8.6  | 10.0       | 7.5  | 1900 | 13.6 | <10                     | 10        | 6       | 40    |
|           | 31-Aug-01   | 5.7  | 5.3        | 7.6  | 1810 | 13.2 | <5                      | 10        | 6       | 70    |
|           | 16-Nov-01   | 3.6  | <1.0       | 7.5  | 1630 | 12.8 | <10                     | 10        | 6       | 60    |
|           | 8-Mar-02    | 6.0  | <1.0       | 7.0  | 1570 | 9.8  | <10                     | 10        | 6       | 90    |
|           | 31-May-02   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 5-Sep-02    | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 12-Dec-02   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 18-Mar-03   | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 4-Jun-03    | 5.1  | 6.0        | 6.9  | 1470 | 11.0 | <5                      | 6.0       | <5      | 50    |
|           | 5-Oct-03    | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 8-Dec-03    | NS   | NS         | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 27-Feb-04   | 5.4  | 4.0        | 7.6  | 1190 | 12.1 | <5                      | 6         | 7       | 43    |
|           | 30-Jun-04   | 4.9  | 390        | 6.9  | 1337 | 12.7 | <5                      | <5        | 6       | 43    |
|           | 19-Nov-04   | 4.3  | 3          | 7.1  | 1230 | 11.4 | <5                      | 7         | 22      | 11    |
|           | 15-Jun-05   | 7.0  | 3          | 6.8  | 1790 | 12.6 | <5                      | <5        | 12      | 31    |
| 1-Dec-05  | 3.7         | <1   | 7.1        | 1630 | 10.9 | <5   | 66                      | <5        | 73      |       |
| 29-Jun-06 | 5.8         | 8.0  | 6.9        | 1790 | 14.0 | 5    | 4                       | 6         | 13      |       |
| 28-Nov-06 | 6.3         | 134.0  | 7.5        | 1680 | 13.1 | 5    | 5                       | <5        | 10      |       |
| 6-Jun-07  | 4.6         | 3.0  | 6.5        | 1820 | 12.7 | 9    | 7                       | <5        | 9       |       |
| Duplicate | 6-Jun-07    | 4.8  | 3.0        | --   | 1820 | --   | 10                      | 5         | <5      | 8     |
| 12-Nov-07 | 3.9         | 4.0  | 6.8        | 1740 | 12.0 | 2    | 4                       | 11        | 13      |       |
| 24-Jun-08 | 6.0         | 2.0  | 6.8        | 1860 | 13.9 | <5   | 2                       | <5        | 6       |       |
| 17-Nov-08 | 4.1         | 1.0  | 7.4        | 1630 | 10.3 | <5   | 2                       | <5        | 19      |       |
| 23-Jun-09 | 3.2         | 10.0   | 6.8        | 1950 | 14.0 | <5   | 2                       | <5        | 15      |       |
| Duplicate | 23-Jun-09   | 3.0  | 17.0       | 6.8  | 1960 | 14.0 | <5                      | 2         | <5      | 14    |
| 17-Nov-09 | 5.0         | 9  | 6.9        | 1780 | 11.2 | <5   | <4                      | <5        | 14      |       |
| 14-Jun-10 | 4.0         | 21   | 6.9        | 1910 | 12.5 | 9    | <4                      | <5        | 13      |       |
| 8-Nov-10  | 5.0         | <1   | 7.0        | 1714 | 12.4 | 24   | <4                      | <5        | 7       |       |
| Duplicate | 8-Nov-10    | 5.0  | 3          | 7.0  | 1715 | 12.4 | 20                      | <4        | <5      | 7     |
| 20-Jun-11 | 3.4         | 5  | 6.9        | 1711 | 13.0 | 29   | <4                      | 10        | 15      |       |
| Re-sample | 14-Jul-11   | --   | --         | --   | --   | <5   | --                      | --        | --      |       |
| 14-Nov-11 | 4.0         | 9  | 6.9        | 1637 | 11.7 | <5   | <4                      | <5        | <5      |       |
| Duplicate | 14-Nov-11   | 3.0  | 5          | 6.9  | 1635 | 11.7 | <5                      | <4        | <5      | <5    |
| 25-Jun-12 | 3.0         | 3  | 6.0        | 1792 | 12.9 | <5   | <4                      | <5        | 7       |       |
| 5-Dec-12  | 3.4         | 0  | 6.8        | 1776 | 10.4 | <5   | <4                      | 6         | 11      |       |
| 6-Jun-13  | 3.3         | 8  | 6.5        | 1397 | 10.6 | <5   | 6                       | <5        | <5      |       |
| 4-Nov-13  | 3.0         | 2  | 6.7        | 1741 | 12.0 | <5   | 4                       | 12        | 9       |       |

See notes on page 6.

**Table 1**  
**RACER Trust - Coldwater Road Landfill Facility**  
**Landfill Leak Detection Vaults - Historical Analytical Results**  
**Inorganics and Metals**

| Vault  | Sample Date     | Indicator Parameters |            |            |             |             | Dissolved Metals (µg/L) |              |              |              |
|--|-----------------|----------------------|------------|------------|-------------|-------------|-------------------------|--------------|--------------|--------------|
|  |                 | TOC (mg/L)           | TSS (mg/L) | pH         | SpC         | T           | Cr                      | Cu           | Ni           | Zn           |
| MDEQ Residential Drinking Water Criteria & RBSLs |                 |                      |            |            |             | 100 (A)     | 1,000 (E)               | 100 (A)      | 2,400        |              |
| Vault F  | 23-Mar-95       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS           | NS           |
|  | 20-Jun-95       | 8.2                  | <1         | 6.8        | 1400        | --          | <20                     | <20          | <30          | 190          |
|  | 30-Aug-95       | 6.1                  | <1         | 6.8        | 1100        | NS          | <20                     | <20          | <40          | 220          |
|  | 28-Nov-95       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS           | NS           |
|  | 27-Mar-96       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS           | NS           |
|  | 18-Jun-96       | 6.2                  | 77.0       | 6.8        | 1600        | --          | <20                     | <20          | <20          | <20          |
|  | 20-Aug-96       | 4.8                  | 1500.0     | 7.1        | 1500        | --          | <20                     | 20           | <20          | 50           |
|  | 11-Nov-96       | 14.0                 | 7100.0     | 7.0        | 1600        | --          | <20                     | <20          | <20          | 30           |
|  | 19-Feb-97       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS           | NS           |
|  | 9-May-97        | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS           | NS           |
|  | 8-Aug-97        | 3.0                  | 21.0       | 6.1        | 1530        | 20.6        | <10                     | <10          | 64           | 20           |
|  | 15-Nov-97       | 7.0                  | 56.0       | 6.7        | 1800        | 13.0        | <10                     | <10          | 93           | 130          |
|  | 9-Feb-98        | 5.0                  | 30.0       | 6.5        | 1750        | 13.5        | <10                     | <10          | 49           | 160          |
|  | 14-May-98       | 5.0                  | 16.0       | 7.1        | 1400        | 25.4        | <10                     | 20           | 7            | 130          |
|  | 14-Aug-98       | 3.0                  | 25.0       | 6.6        | --          | --          | <10                     | <10          | 7            | 40           |
|  | 30-Nov-98       | 4.0                  | 38.0       | --         | --          | --          | 10                      | <10          | 47           | 30           |
|  | 19-Mar-99       | 4.2                  | 52.0       | 6.8        | 982         | 14.4        | <10                     | 20           | 9            | 20           |
|  | 6-May-99        | 4.6                  | 50.0       | 7.0        | 1460        | 28.0        | <10                     | 10           | 5            | 30           |
|  | 23-Jul-99       | 3.7                  | 95.0       | 6.3        | 1262        | 21.2        | 6                       | 17           | 6            | 26           |
|  | 22-Oct-99       | 3.7                  | 12.0       | 6.3        | 1116        | 12.3        | <10                     | <10          | 6            | 20           |
|  | 14-Mar-00       | 5.4                  | 81.0       | 8.0        | 1250        | 14.9        | <10                     | <10          | 6            | 30           |
|  | 20-Jun-00       | 4.4                  | 66.0       | 7.1        | 1310        | 20.1        | <10                     | 40           | <5           | 80           |
|  | 13-Sep-00       | 3.0                  | 11.0       | 7.4        | 1440        | 15.6        | <5                      | <10          | 6            | 20           |
|  | 10-Nov-00       | 3.9                  | 41.0       | 6.8        | 1040        | 11.6        | <10                     | 60           | 5            | 100          |
|  | 12-Mar-01       | 5.5                  | 24.0       | 7.1        | 1110        | 12.3        | <10                     | <10          | 5            | 10           |
|  | 24-May-01       | 7.4                  | 16.0       | 7.4        | 1470        | 12.8        | <10                     | 60           | 5            | 100          |
|  | 31-Aug-01       | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS           | NS           |
|  | 16-Nov-01       | 4.2                  | 68.0       | 7.3        | 1110        | 12.9        | <10                     | 40           | <5           | 100          |
|  | 8-Mar-02        | 4.4                  | 11.0       | 6.9        | 1290        | 10.4        | <10                     | 10           | <5           | 60           |
|  | 31-May-02       | 2.4                  | 45.0       | 7.2        | 1200        | 14.3        | <10                     | <10          | 6            | 20           |
|  | 5-Sep-02        | NS                   | NS         | NS         | NS          | NS          | NS                      | NS           | NS           | NS           |
|  | 27-Feb-04       | 3.9                  | 7.0        | 7.1        | 1920        | 12.2        | <5                      | 5            | <5           | 30           |
|  | 30-Jun-04       | 3.5                  | 1.0        | 6.9        | 1300        | 12.0        | <5                      | 5            | <5           | 10           |
| 30-Jun-04  | 3.5             | 1.0                  | 6.9        | 1300       | 12.0        | <5          | 5                       | <5           | 10           |              |
| 19-Nov-04  | 3.2             | 4.0                  | 7.1        | 1160       | 11.0        | <5          | <5                      | 15           | 8            |              |
| 15-Jun-05  | 4.0             | 8.0                  | 5.5        | 1780       | 12.3        | <5          | <5                      | 9            | 17           |              |
| 1-Dec-05   | 3.7             | 3.0                  | 6.9        | 1640       | 10.7        | <5          | 83                      | <5           | 62           |              |
| Duplicate  | 7-Dec-05        | 4.7                  | 5.0        | --         | 1540        | --          | <5                      | 31           | 19           | <10          |
| Re-sample  | 14-Feb-06       | --                   | --         | 7.9        | 1710        | 7.2         | --                      | <4           | --           | --           |
|  | 29-Jun-06       | 2.9                  | 90.0       | 6.7        | 1710        | 15.3        | 7                       | <4           | <5           | 9            |
|  | 28-Nov-06       | 4.4                  | 3.0        | 7.0        | 1610        | 13.9        | 5                       | <4           | <5           | 10           |
|  | 6-Jun-07        | 3.9                  | 2.0        | 6.4        | 1640        | 15.5        | 10                      | 3            | <5           | 8            |
|  | 12-Nov-07       | 2.2                  | 53.0       | 6.8        | 1600        | 12.2        | 2                       | 3            | 9            | 11           |
| Duplicate  | 24-Jun-08       | 2.3                  | 5.0        | 6.9        | 1510        | 14.5        | <5                      | <1           | <5           | <5           |
|  | 24-Jun-08       | 2.8                  | 3.0        | 6.9        | 1500        | 14.5        | <5                      | <1           | <5           | <5           |
|  | 17-Nov-08       | 1.8                  | 9.0        | 7.2        | 1510        | 9.5         | <5                      | <1           | <5           | 15           |
|  | 23-Jun-09       | 2.9                  | 29.0       | 7.1        | 1530        | 13.1        | <5                      | <1           | <5           | 10           |
|  | 17-Nov-09       | 3                    | 16         | 7.0        | 1550        | 11.0        | <5                      | <4           | <5           | 11           |
|  | 14-Jun-10       | 3                    | 14         | 7.0        | 1540        | 12.1        | 6                       | <4           | <5           | 17           |
|  | 8-Nov-10        | 3                    | 2          | 7.0        | 1590        | 12.3        | 16                      | <4           | <5           | 14           |
|  | 20-Jun-11       | 2.5                  | 47         | 7.0        | 1642        | 14.6        | 23                      | <4           | 9            | 20           |
| Re-sample  | 14-Jul-11       | --                   | --         | --         | --          | --          | <5                      | --           | --           | --           |
|  | 14-Nov-11       | 2.0                  | 29         | 6.9        | 1651        | 11.4        | <5                      | <4           | <5           | <5           |
|  | 25-Jun-12       | --                   | --         | --         | --          | --          | --                      | --           | --           | --           |
|  | 5-Dec-12        | 2.8                  | 7          | 6.7        | 1729        | 9.9         | <5                      | <4           | 6            | 12           |
|  | 6-Jun-13        | 2.7                  | 2          | 6.8        | 1761        | 10.8        | <5                      | <4           | 6            | 6            |
| Duplicate  | 6-Jun-13        | 2.9                  | <1         | 6.8        | 1759        | 10.8        | <5                      | <4           | <5           | 6            |
|  | <b>4-Nov-13</b> | <b>2.6</b>           | <b>1</b>   | <b>6.8</b> | <b>1736</b> | <b>11.6</b> | <b>&lt;5</b>            | <b>&lt;4</b> | <b>&lt;5</b> | <b>&lt;5</b> |

Notes: "<" - Not detected above specified detection limit.

"NS" - Not sampled - no liquid.

"SpC" - Specific conductivity in micro siemens (uS).

"T" - Temperature in degrees celsius.

"--" - Physical parameter not measured (insturment failure or duplicate sample).

Exceeds MDEQ Residential Drinking Water Criteria

"A" - Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 PA 399, MCL 325.1005.

"E" - Criterion is the aesthetic drinking water value, as required by Section 20120a(5)

of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA)

**Table 2**  
**RACER Trust - Coldwater Road Landfill Facility**  
**Landfill Leachate Sumps - Historical Analytical Results**  
**Inorganics and Metals**

| Sump   | Sample Date     | Indicator Parameters |              |            |             |             | Dissolved Metals (µg/L) |            |           |          |
|--|-----------------|----------------------|--------------|------------|-------------|-------------|-------------------------|------------|-----------|----------|
|  |                 | TOC (mg/L)           | TSS (mg/L)   | pH         | SpC         | T           | Cr                      | Cu         | Ni        | Zn       |
| MDEQ Residential Drinking Water Criteria & RBSLs |                 |                      |              |            |             |             | 100 (A)                 | 1,000 (E)  | 100 (A)   | 2,400    |
| Sump A   | 23-Mar-95       | 400.0                | 22           | 11.2       | 4500        | --          | 260                     | 8900       | 1200      | 70       |
|  | 30-Aug-95       | 290.0                | 9800         | 11.3       | 4000        | --          | 250                     | 7400       | 830       | <20      |
|  | 18-Jun-96       | 170.0                | 200          | 9.5        | 2800        | --          | 50                      | 4300       | 640       | <20      |
|  | 11-Nov-96       | 350.0                | 3000         | 10.0       | 4400        | --          | 150                     | 8800       | 1300      | 30       |
|  | 7-May-97        | 85.0                 | 62           | 7.9        | 2200        | 8.9         | 20                      | 2450       | 422       | 10       |
|  | 5-Nov-97        | 110.0                | 14           | 8.5        | 2800        | 11.0        | <1                      | 1050       | 376       | 20       |
|  | 5-May-98        | 125.0                | 2            | 7.9        | 2280        | 9.1         | 40                      | 1380       | 383       | 10       |
|  | 6-Nov-98        | 136.0                | 984          | 7.5        | 2750        | 11.7        | 40                      | 2950       | 519       | <10      |
|  | 26-Apr-99       | 110.0                | 253          | 9.5        | 1334        | 12.6        | 40                      | 2380       | 375       | <10      |
|  | 22-Oct-99       | 44.7                 | 8            | 6.6        | 1750        | 12.1        | 20                      | 960        | 155       | 30       |
|  | 20-Jun-00       | 53.4                 | 16           | 8.2        | 1980        | 13.1        | 40                      | 1160       | 187       | 20       |
|  | 10-Nov-00       | 66.7                 | 31           | 7.7        | 2130        | 11.1        | 30                      | 1050       | 174       | 20       |
|  | 24-May-01       | 70.0                 | 16           | 8.6        | 2470        | 10.2        | 40                      | 1030       | 163       | 20       |
|  | 16-Nov-01       | 69.6                 | 300          | 7.9        | 2130        | 12.3        | 40                      | 990        | 160       | 20       |
|  | 31-May-02       | 51.7                 | 48           | 7.2        | 2340        | 15.3        | 80                      | 880        | 127       | 20       |
|  | 12-Dec-03       | 55.2                 | 25           | 7.4        | 1840        | 11.2        | 37                      | 770        | 121       | 7        |
|  | 3-Jun-03        | 75.5                 | 90           | --         | --          | --          | 41                      | 1180       | 156       | 22       |
|  | 8-Dec-03        | 67.0                 | 115          | 8.8        | 2210        | 11.6        | 74                      | 969        | 138       | 31       |
|  | 30-Jun-04       | 62.0                 | 6            | 8.4        | 2501        | 12.6        | 104                     | 1450       | 161       | 7        |
|  | 19-Nov-04       | 36.9                 | 2.7          | 8.2        | 2070        | 11.4        | 31                      | 492        | 70        | 20       |
|  | 15-Jun-05       | 89.0                 | 18.0         | 9.0        | 3320        | 14.7        | 215                     | 1930       | 200       | <5       |
|  | 17-Jan-06       | 83.7                 | 980.0        | 8.4        | 3970        | 6.9         | 70                      | 1350       | 155       | 14       |
|  | 29-Jun-06       | 65.4                 | 36.0         | 8.5        | 3640        | 11.7        | 192                     | 1070       | 109       | 7        |
|  | 28-Nov-06       | 78.2                 | 258          | 8.2        | 3660        | 12.9        | 132                     | 1240       | 126       | 6        |
|  | 6-Jun-07        | 64.4                 | 7            | 6.9        | 3350        | 10.0        | 95                      | 1280       | 131       | 17       |
|  | 12-Nov-07       | 71.7                 | 3            | 7.2        | 3970        | 11.8        | 41                      | 1460       | 150       | 22       |
|  | 24-Jun-08       | 46.6                 | 2            | 7.9        | 3210        | 12.4        | 123                     | 1240       | 118       | 8        |
|  | 17-Nov-08       | 48.5                 | 4            | 7.3        | 3670        | 10.6        | 65                      | 1190       | 114       | 12       |
|  | 23-Jun-09       | 61.0                 | 3            | 7.5        | 2900        | 12.8        | 222                     | 1400       | 126       | <5       |
|  | 17-Nov-09       | 69                   | 40           | 8.4        | 3570        | 9.6         | 71                      | 1040       | 100       | 14       |
|  | 14-Jun-10       | 120                  | 4            | 9.1        | 2880        | 11.9        | 305                     | 1380       | 124       | <5       |
|  | 8-Nov-10        | 71                   | 10           | 8.3        | 3560        | 10.9        | 113                     | 1110       | 1030      | 23       |
|  | 20-Jun-11       | 52.4                 | 3            | 9.2        | 2380        | 11.1        | 330                     | 965        | 91        | <5       |
| 14-Nov-11  | 62.0            | 1                    | 8.1          | 3420       | 11.4        | 116         | 1000                    | 94         | 6         |          |
| 25-Jun-12  | 53.0            | 3                    | 7.4          | 3070       | 12.0        | 180         | 863                     | 83         | 32        |          |
| Duplicate  | 25-Jun-12       | 52.0                 | 3            | 7.4        | 3070        | 12.0        | 183                     | 882        | 86        | 5        |
|  | 5-Dec-12        | 63.5                 | 4            | 7.9        | 3640        | 9.2         | 115                     | 1050       | 97        | 10       |
| Duplicate  | 5-Dec-12        | 63.5                 | 4            | 7.9        | 3630        | 9.2         | 104                     | 990        | 88        | 10       |
|  | 6-Jun-13        | 50.2                 | 5            | 9.1        | 2210        | 11.2        | 323                     | 936        | 87        | <5       |
|  | <b>4-Nov-13</b> | <b>58.9</b>          | <b>&lt;1</b> | <b>8.0</b> | <b>3100</b> | <b>10.9</b> | <b>129</b>              | <b>819</b> | <b>73</b> | <b>8</b> |

See notes on page 6.

**Table 2**  
**RACER Trust - Coldwater Road Landfill Facility**  
**Landfill Leachate Sumps - Historical Analytical Results**  
**Inorganics and Metals**

| Sump      | Sample Date     | Indicator Parameters |            |            |             |             | Dissolved Metals (µg/L) |            |           |           |
|-----------|-----------------|----------------------|------------|------------|-------------|-------------|-------------------------|------------|-----------|-----------|
|           |                 | TOC (mg/L)           | TSS (mg/L) | pH         | SpC         | T           | Cr                      | Cu         | Ni        | Zn        |
| Sump B    | 23-Mar-95       | 800.0                | 310        | 12.1       | 7100        | --          | 220                     | 14000      | 1700      | 91        |
|           | 30-Aug-95       | 590.0                | 7400       | 11.5       | 4600        | --          | 220                     | 9300       | 1100      | <20       |
|           | 18-Jun-96       | 36.0                 | <10        | 8.6        | 720         | --          | 100                     | 760        | 100       | <20       |
|           | 11-Nov-96       | 340.0                | 19         | 10.0       | 3100        | --          | 180                     | 6100       | 850       | 30        |
|           | 7-May-97        | 184.0                | 963        | 8.5        | 2340        | 8.1         | 150                     | 3910       | 607       | 10        |
|           | 5-Nov-97        | 53.0                 | 20         | 7.2        | 1600        | 10.0        | 50                      | 1050       | 204       | 10        |
|           | 5-May-98        | 241.0                | 24         | 9.6        | 3010        | 9.2         | 280                     | 5600       | 644       | 10        |
|           | 6-Nov-98        | 177.0                | 438        | 7.8        | 2950        | 12.1        | 100                     | 2690       | 558       | <10       |
|           | 26-Apr-99       | 75.0                 | 10600      | 10.2       | 835         | 8.9         | 30                      | 500        | 238       | <10       |
|           | 22-Oct-99       | 126.0                | 1604       | 8.1        | 1410        | 11.9        | 30                      | 750        | 387       | <10       |
|           | 20-Jun-00       | 49.2                 | 4          | 9.1        | 1880        | 12.6        | 160                     | 1180       | 160       | <10       |
|           | 10-Nov-00       | 78.2                 | 80         | 8.6        | 1460        | 11.5        | 70                      | 1170       | 205       | <10       |
|           | 24-May-01       | 101.0                | 502        | 9.1        | 2800        | 10.4        | 120                     | 1490       | 225       | <10       |
|           | 16-Nov-01       | 189.0                | 13         | 9.5        | 3310        | 12.4        | 290                     | 3050       | 426       | <10       |
|           | 31-May-02       | 65.7                 | 434        | 7.2        | 2530        | 14.7        | 160                     | 1070       | 154       | <10       |
|           | 12-Dec-03       | 118.0                | 15         | 8.9        | 2150        | 11.4        | 215                     | 1790       | 260       | 27        |
|           | 3-Jun-03        | 113.0                | 44         | --         | --          | --          | 118                     | 1510       | 216       | <5        |
|           | 8-Dec-03        | 87.8                 | 22         | 7.1        | 1990        | 11.5        | 170                     | 1380       | 199       | 45        |
|           | 30-Jun-04       | 110                  | 14         | 8.1        | 1598        | 12.5        | 508                     | 1880       | 225       | 7         |
|           | 19-Nov-04       | 66.2                 | 2          | 8.2        | 2690        | 11.5        | 148                     | 1100       | 163       | 13        |
|           | 15-Jun-05       | 84.0                 | 8          | 8.8        | 3200        | 14.1        | 324                     | 1050       | 160       | 19        |
|           | 5-Dec-05        | 35.7                 | 6          | 7.1        | 2290        | 10.5        | 81                      | 374        | 56        | 22        |
|           | 29-Jun-06       | 26.6                 | 6          | 7.7        | 1650        | 10.9        | 156                     | 358        | 48        | 23        |
| 28-Nov-06 | 47.5            | 6                    | 8.2        | 2300       | 12.5        | 142         | 526                     | 72         | 25        |           |
| Duplicate | 28-Nov-06       | 59.8                 | --         | 8.2        | 2370        | 12.5        | 142                     | 522        | 72        | 15        |
|           | 6-Jun-07        | 32.2                 | 2          | 6.6        | 1950        | 9.8         | 18                      | 275        | 46        | 18        |
|           | 12-Nov-07       | 22.6                 | 1          | 7.9        | 2060        | 12.2        | 28                      | 226        | 32        | 24        |
|           | 24-Jun-08       | 45.9                 | 6          | 8.2        | 2430        | 11.9        | 659                     | 877        | 99        | 16        |
| Duplicate | 17-Nov-08       | 41.5                 | 19         | 6.5        | 2560        | 10.6        | 401                     | 767        | 91        | 20        |
|           | 17-Nov-08       | 39.8                 | 38         | 6.5        | 2550        | 10.6        | 399                     | 763        | 91        | 23        |
|           | 23-Jun-09       | 52.3                 | 1          | 7.4        | 2250        | 13.2        | 685                     | 696        | 82        | 17        |
|           | 17-Nov-09       | 52                   | 2          | 8.1        | 2610        | 10.6        | 269                     | 579        | 73        | 39        |
|           | 14-Jun-10       | 90                   | 3          | 7.9        | 2720        | 12.4        | 908                     | 1050       | 118       | 21        |
|           | 8-Nov-10        | 78                   | 1          | 8.1        | 3450        | 12.1        | 163                     | 669        | 76        | 8         |
|           | 20-Jun-11       | 75.5                 | 5          | 8.1        | 2520        | 11.9        | 1070                    | 867        | 97        | 7         |
|           | 14-Nov-11       | 83.0                 | 3          | 8.1        | 3390        | 11.6        | 628                     | 914        | 111       | 8         |
|           | 25-Jun-12       | 82.0                 | 5          | 7.5        | 3240        | 12.4        | 657                     | 1000       | 124       | 13        |
|           | 5-Dec-12        | 89.0                 | 3          | 8.2        | 3830        | 9.5         | 352                     | 904        | 111       | 17        |
|           | 6-Jun-13        | 77.4                 | 3          | 9.0        | 2150        | 10.2        | 1490                    | 1060       | 104       | <5        |
|           | <b>4-Nov-13</b> | <b>79.0</b>          | <b>2</b>   | <b>8.0</b> | <b>3590</b> | <b>10.8</b> | <b>516</b>              | <b>749</b> | <b>87</b> | <b>11</b> |

See notes on page 6.

**Table 2**  
**RACER Trust - Coldwater Road Landfill Facility**  
**Landfill Leachate Sumps - Historical Analytical Results**  
**Inorganics and Metals**

| Sump      | Sample Date     | Indicator Parameters |            |            |             |             | Dissolved Metals (µg/L) |             |            |          |
|-----------|-----------------|----------------------|------------|------------|-------------|-------------|-------------------------|-------------|------------|----------|
|           |                 | TOC (mg/L)           | TSS (mg/L) | pH         | SpC         | T           | Cr                      | Cu          | Ni         | Zn       |
| Sump C    | 23-Mar-95       | 750.0                | 18         | 11.8       | 6000        | --          | 21                      | 18000       | 2400       | 36       |
|           | 30-Aug-95       | 660.0                | 30000      | 10.9       | 4900        | --          | 21                      | 15000       | 2100       | 26       |
|           | 18-Jun-96       | 280.0                | 1200       | 9.1        | 2700        | --          | <20                     | 5100        | 820        | <20      |
|           | 11-Nov-96       | 730.0                | 93         | 10.0       | 5200        | --          | <20                     | 15000       | 2500       | 50       |
|           | 7-May-97        | 433.0                | 1200       | 8.6        | 4210        | 10.0        | 10                      | 10200       | 2070       | 40       |
|           | 5-Nov-97        | 289.0                | 83         | 8.3        | 3400        | 10.0        | <10                     | 3150        | 1320       | 20       |
|           | 5-May-98        | 235.0                | 24         | 9.8        | 3520        | 9.8         | 60                      | 5640        | 891        | 10       |
|           | 6-Nov-98        | 418.0                | 164        | 7.9        | 4590        | 11.9        | <10                     | 4660        | 145        | <10      |
|           | 26-Apr-99       | 278.0                | 24         | 9.5        | 2520        | 8.6         | <10                     | 1730        | 1148       | <10      |
|           | 22-Oct-99       | 351.0                | 1604       | 8.2        | 1210        | 12.1        | <10                     | 1330        | 1050       | <10      |
|           | 20-Jun-00       | 156.0                | 12         | 8.5        | 2270        | 11.9        | <10                     | 3370        | 802        | <10      |
|           | 10-Nov-00       | 250.0                | 30         | 8.4        | 1920        | 11.4        | <10                     | 620         | 998        | <10      |
|           | 24-May-01       | 200.0                | 120        | 9.0        | 3660        | 10.3        | <10                     | 4950        | 1110       | 20       |
|           | 16-Nov-01       | 269.0                | 191        | 8.5        | 3930        | 12.1        | 10                      | 5470        | 1800       | 10       |
|           | 31-May-02       | 113.0                | 24         | 7.2        | 2530        | 14.4        | <10                     | 2510        | 612        | 10       |
| Duplicate | 12-Dec-03       | 198.0                | 18         | 8.1        | 4100        | 11.2        | 12                      | 3020        | 1060       | 15       |
|           | 3-Jun-03        | 178.0                | 34         | --         | --          | --          | 15                      | 4790        | 1030       | 8        |
|           | 8-Dec-03        | 85.2                 | 742        | 8.0        | 2140        | 11.9        | 9                       | 607         | 708        | 62       |
|           | 30-Jun-04       | 96.0                 | 10         | 8.5        | 2708        | 12.0        | 46                      | 2470        | 539        | 5        |
|           | 19-Nov-04       | 126                  | 16         | 8.4        | 3200        | 11.6        | 32                      | 3190        | 874        | 13       |
|           | 15-Jun-05       | 95                   | 10         | 7.2        | 2950        | 14.3        | 21                      | 2350        | 505        | 16       |
|           | 5-Dec-05        | 56.7                 | 12         | 7.9        | 2830        | 10.9        | 30                      | 1570        | 363        | 12       |
|           | 7-Dec-05        | 62.0                 | 2          | --         | 2860        | --          | 28                      | 1700        | 364        | <10      |
|           | 29-Jun-06       | 145.7                | 20         | 8.5        | 3810        | 11.4        | 25                      | 3030        | 847        | 8        |
|           | 28-Nov-06       | 60.3                 | 6          | 8.0        | 2340        | 12.9        | 43                      | 1380        | 353        | <5       |
|           | 6-Jun-07        | 3.9                  | 1          | 7.0        | 2650        | 11.0        | 44                      | 1570        | 365        | <5       |
|           | 12-Nov-07       | 83.7                 | 1          | 8.2        | 3660        | 12.2        | 44                      | 2080        | 543        | 8        |
|           | 24-Jun-08       | 65.4                 | 5          | 7.9        | 3530        | 13.0        | 8                       | 1820        | 456        | 22       |
|           | 17-Nov-08       | 120.0                | 10         | 8.2        | 4510        | 10.6        | 30                      | 2940        | 939        | 22       |
|           | 23-Jun-09       | 139.0                | 9          | 8.2        | 4240        | 12.7        | 25                      | 3600        | 800        | 7        |
| Duplicate | 17-Nov-09       | 90                   | 4          | 7.9        | 3940        | 11.1        | 22                      | 2280        | 447        | 12       |
|           | 17-Nov-09       | 98                   | 7          | 7.9        | 3950        | 11.1        | 21                      | 2260        | 438        | 12       |
|           | 14-Jun-10       | 120                  | 14         | 8.1        | 4580        | 11.9        | 32                      | 3200        | 714        | 18       |
| Duplicate | 8-Nov-10        | 130                  | 4          | 7.8        | 4910        | 12.1        | 55                      | 3170        | 555        | 10       |
|           | 20-Jun-11       | 112                  | 5          | 9.2        | 4560        | 12.1        | 133                     | 2670        | 639        | <5       |
|           | 20-Jun-11       | 112                  | 7          | 9.2        | 4570        | 12.1        | 129                     | 2580        | 623        | <5       |
|           | 14-Nov-11       | 134                  | 8          | 8.3        | 5320        | 11.9        | 28                      | 3830        | 761        | 6        |
|           | 25-Jun-12       | 114                  | 8          | 8.1        | 5380        | 12.2        | 29                      | 3820        | 611        | 16       |
| 5-Dec-12  | 121.7           | 6                    | 8.3        | 5430       | 10.4        | 24          | 4130                    | 580         | 8          |          |
| 6-Jun-13  | 111.0           | 5                    | 7.8        | 4950       | 10.9        | 25          | 3390                    | 504         | 7          |          |
|           | <b>4-Nov-13</b> | <b>132.0</b>         | <b>1</b>   | <b>8.2</b> | <b>5150</b> | <b>11.3</b> | <b>38</b>               | <b>3410</b> | <b>539</b> | <b>7</b> |

See notes on page 6.

**Table 2**  
**RACER Trust - Coldwater Road Landfill Facility**  
**Landfill Leachate Sumps - Historical Analytical Results**  
**Inorganics and Metals**

| Sump          | Sample Date     | Indicator Parameters |            |             |             |             | Dissolved Metals (µg/L) |             |             |              |
|---------------|-----------------|----------------------|------------|-------------|-------------|-------------|-------------------------|-------------|-------------|--------------|
|               |                 | TOC (mg/L)           | TSS (mg/L) | pH          | SpC         | T           | Cr                      | Cu          | Ni          | Zn           |
| <b>Sump D</b> | 23-Mar-95       | 650.0                | 45         | 12.3        | 8400        | --          | 360                     | 7800        | 1600        | <20          |
|               | 30-Aug-95       | 550.0                | 69000      | 12.0        | 6400        | --          | 260                     | 6100        | 1400        | <20          |
|               | 18-Jun-96       | 300.0                | 230        | 11.0        | 3300        | --          | 100                     | 3100        | 850         | <20          |
|               | 11-Nov-96       | 660.0                | 3500       | 12.0        | 5700        | --          | 220                     | 7200        | 1800        | 30           |
|               | 7-May-97        | 331.0                | 432        | 9.1         | 4020        | 10.2        | 30                      | 4110        | 1330        | <10          |
|               | 5-Nov-97        | 208.0                | 546        | 8.8         | 3400        | 10.2        | 20                      | 3000        | 1020        | 20           |
|               | 5-May-98        | 251.0                | <1         | 10.6        | 4200        | 9.7         | 110                     | 3810        | 1120        | 10           |
|               | 6-Nov-98        | 193.0                | 8280       | 7.9         | 3940        | 11.4        | 10                      | 2530        | 101         | <10          |
|               | 26-Apr-99       | 177.0                | 29600      | 10.5        | 1237        | 8.0         | 10                      | 770         | 1013        | <10          |
|               | 22-Oct-99       | 199.0                | 10748      | 8.9         | 910         | 10.9        | <10                     | 70          | 735         | <10          |
|               | 20-Jun-00       | 112.0                | 16         | 8.8         | 1190        | 11.6        | <10                     | 430         | 656         | <10          |
|               | 10-Nov-00       | 159.0                | 100        | 9.1         | 2360        | 11.5        | 20                      | 760         | 831         | <10          |
|               | 24-May-01       | 196.0                | 124        | 10.8        | 3900        | 10.9        | 10                      | 1000        | 1270        | <10          |
|               | 16-Nov-01       | 64.2                 | 268        | 8.9         | 1690        | 12.0        | <10                     | 100         | 414         | <10          |
|               | 31-May-02       | 72.3                 | 137        | 7.2         | 2020        | 14.3        | <10                     | 210         | 445         | <10          |
|               | 12-Dec-03       | 130.0                | 4          | 8.8         | 1430        | 11.5        | 11                      | 926         | 798         | <5           |
|               | 3-Jun-03        | 80.8                 | 6          | --          | --          | --          | 7                       | 878         | 540         | <5           |
|               | 8-Dec-03        | 48.8                 | 392        | 8.2         | 2470        | 10.9        | 7                       | 651         | 423         | 18           |
|               | 30-Jun-04       | 160.0                | 34         | 10.2        | 3601        | --          | 25                      | 1670        | 1320        | <5           |
|               | 19-Nov-04       | 157                  | 14         | 10.4        | 4320        | 11.4        | 34                      | 1550        | 1680        | 8            |
| 15-Jun-05     | 79              | 8                    | 11.1       | 3160        | 12.2        | 14          | 737                     | 822         | <5          |              |
| Duplicate     | 15-Jun-05       | 76.0                 | 26.0       | --          | --          | --          | 12                      | 724         | 812         | <5           |
|               | 5-Dec-05        | 123.0                | 6.0        | 8.2         | 5320        | 10.9        | 35                      | 1420        | 1340        | <5           |
|               | 29-Jun-06       | 87.6                 | 14.0       | 10.0        | 4120        | 12.4        | 16                      | 714         | 995         | 5            |
|               | 28-Nov-06       | 128.9                | 2          | 10.1        | 5180        | 12.9        | 23                      | 651         | 1300        | <5           |
|               | 6-Jun-07        | 157.0                | 11         | 9.3         | 5980        | 11.0        | 62                      | 955         | 1770        | <5           |
|               | 12-Nov-07       | 115.0                | 78         | 10.2        | 5550        | 11.7        | 34                      | 1680        | 1480        | 8            |
| Duplicate     | 12-Nov-07       | 109.0                | 28         | 10.2        | 5550        | 11.7        | 31                      | 1540        | 1400        | 3            |
|               | 24-Jun-08       | 99.5                 | 7          | 9.9         | 6170        | 11.8        | 20                      | 990         | 1640        | 7            |
|               | 17-Nov-08       | 295.0                | 2          | 11.1        | 6220        | 10.8        | 62                      | 2460        | 2090        | 5            |
|               | 23-Jun-09       | 308.0                | 7          | 10.9        | 6210        | 14.8        | 88                      | 2170        | 1990        | <5           |
|               | 17-Nov-09       | 130                  | 10         | 9.8         | 4870        | 11.6        | 37                      | 2240        | 1180        | <5           |
|               | 14-Jun-10       | 15                   | 12         | 10.0        | 4880        | 12.0        | 62                      | 1160        | 1340        | 5            |
| Duplicate     | 14-Jun-10       | 150                  | 12         | 10.0        | 4860        | 12.0        | 62                      | 1180        | 1340        | 6            |
|               | 8-Nov-10        | 170                  | 2          | 10.1        | 5830        | 12.6        | 119                     | 1220        | 1520        | <5           |
|               | 20-Jun-11       | 99.5                 | 9          | 11.7        | 3470        | 12.0        | 97                      | 645         | 413         | <5           |
|               | 14-Nov-11       | 332.0                | 4          | 10.5        | 6440        | 11.6        | 92                      | 3350        | 2200        | <5           |
|               | 25-Jun-12       | 282.0                | 10         | 10.1        | 6220        | 12.4        | 126                     | 1730        | 2190        | <5           |
|               | 5-Dec-12        | 181.7                | 8          | 10.0        | 6070        | 8.8         | 81                      | 1360        | 1610        | 5            |
|               | 6-Jun-13        | 227.0                | 4          | 10.5        | 5570        | 10.7        | 66                      | 1710        | 1440        | 5            |
|               | <b>4-Nov-13</b> | <b>204.0</b>         | <b>3</b>   | <b>10.1</b> | <b>5740</b> | <b>11.4</b> | <b>78</b>               | <b>2190</b> | <b>1400</b> | <b>6</b>     |
| Duplicate     | <b>4-Nov-13</b> | <b>208.0</b>         | <b>2</b>   | <b>10.1</b> | <b>5760</b> | <b>11.4</b> | <b>75</b>               | <b>2140</b> | <b>1370</b> | <b>&lt;5</b> |

See notes on page 6.

**Table 2**  
**RACER Trust - Coldwater Road Landfill Facility**  
**Landfill Leachate Sumps - Historical Analytical Results**  
**Inorganics and Metals**

| Sump      | Sample Date     | Indicator Parameters |              |            |             |             | Dissolved Metals (µg/L) |           |           |              |
|-----------|-----------------|----------------------|--------------|------------|-------------|-------------|-------------------------|-----------|-----------|--------------|
|           |                 | TOC (mg/L)           | TSS (mg/L)   | pH         | SpC         | T           | Cr                      | Cu        | Ni        | Zn           |
| Sump E    | 23-Mar-95       | 250.0                | 1400         | 11.7       | 4000        | --          | 79                      | 1500      | 850       | <20          |
|           | 30-Aug-95       | 120.0                | 37000        | 9.7        | 2100        | --          | 25                      | 980       | 270       | <20          |
|           | 18-Jun-96       | 9.6                  | 2000         | 7.6        | 1800        | --          | <20                     | <20       | <20       | 40           |
|           | 11-Nov-96       | 23.0                 | 2200         | 8.2        | 1800        | --          | <20                     | 20        | 50        | <20          |
|           | 7-May-97        | 6.0                  | 188          | 6.8        | 1560        | 9.7         | <10                     | <10       | 30        | 90           |
|           | 11/05/97        | 10.0                 | 3370         | 7.0        | 1600        | 10.0        | <10                     | 10        | 72        | 30           |
|           | 5-May-98        | 10.0                 | 13300        | 7.0        | 1750        | 10.1        | <10                     | 20        | 23        | 40           |
|           | 6-Nov-98        | 5.0                  | 2500         | 5.6        | 1500        | 11.9        | <10                     | 60        | 11        | 40           |
|           | 26-Apr-99       | 8.6                  | 7720         | 7.7        | 1428        | 8.2         | <10                     | 30        | 22        | <10          |
|           | 22-Oct-99       | 4.7                  | 3485         | 6.8        | 1115        | 10.8        | <10                     | 50        | 10        | 30           |
|           | 20-Jun-00       | 7.0                  | 2            | 6.8        | 1410        | 12.4        | <10                     | 20        | <10       | 20           |
|           | 10-Nov-00       | 3.2                  | <1           | 7.3        | 1550        | 11.4        | <10                     | 30        | 7         | 20           |
|           | 24-Feb-01       | 9.0                  | 292          | 8.0        | 1660        | 10.6        | <10                     | 20        | 7         | 20           |
|           | 16-Nov-01       | 4.4                  | 350          | 7.3        | 1240        | 12.2        | <10                     | 10        | 23        | 30           |
|           | 31-May-02       | 10.1                 | 9            | 7.2        | 1470        | 14.6        | <10                     | 90        | 62        | 30           |
|           | 12-Dec-03       | 4.5                  | 310          | 7.7        | 1490        | 11.1        | <5                      | 21        | 12        | <5           |
|           | 3-Jun-03        | 9.0                  | 1884         | --         | --          | --          | <5                      | 20        | 11        | 7            |
|           | 8-Dec-03        | 22.4                 | 331          | 7.3        | 1320        | 11.4        | 63                      | 132       | 53        | 34           |
|           | 30-Jun-04       | 5.8                  | 5            | 7.8        | 1061        | --          | <5                      | 8         | 13        | 33           |
|           | 19-Nov-04       | 6.2                  | 2            | 7.6        | 1380        | 11.8        | 19                      | 14        | 16        | 16           |
| 15-Jun-05 | 230.0           | 10                   | --           | 19920      | 16.6        | 285         | 1220                    | 337       | 5         |              |
| 5-Dec-05  | 257.0           | 396                  | 7.3          | 9460       | 10.7        | 142         | 514                     | 232       | <5        |              |
| 29-Jun-06 | 11.4            | 4                    | 8.2          | 1690       | 11.6        | 18          | 48                      | 34        | 6         |              |
| 28-Nov-06 | 45.6            | <1                   | 8.1          | 2220       | 12.9        | 29          | 728                     | 180       | <5        |              |
| 6-Jun-07  | 6.9             | 3                    | 6.4          | 1630       | 11.6        | 12          | 13                      | 10        | 23        |              |
| Duplicate | 6-Jun-07        | 6.7                  | 4            | --         | 1630        | --          | 11                      | 15        | 10        | 20           |
|           | 12-Nov-07       | 5.6                  | 3            | 7.3        | 1570        | 12.0        | 5                       | 11        | 14        | 19           |
|           | 24-Jun-08       | 3.8                  | 3            | 7.4        | 1600        | 11.5        | <5                      | 6         | 6         | 9            |
|           | 17-Nov-08       | 4.9                  | 1            | 7.3        | 1660        | 11.3        | 24                      | 10        | 7         | 13           |
|           | 23-Jun-09       | 4.7                  | <1           | 6.9        | 1600        | 11.6        | <5                      | 6         | 6         | 14           |
| Duplicate | 23-Jun-09       | 3.5                  | 1            | 6.9        | 1580        | 11.6        | <5                      | 6         | 5         | 15           |
|           | 17-Nov-09       | 5                    | 1            | 7.4        | 1520        | 11.2        | <5                      | 4         | 20        | 24           |
|           | 14-Jun-10       | 6                    | 4            | 7.6        | 1530        | 12.7        | 17                      | 8         | <5        | 17           |
|           | 8-Nov-10        | 6                    | 2            | 7.4        | 1647        | 12.5        | 18                      | 10        | 9         | 101          |
| Duplicate | 8-Nov-10        | 6                    | 3            | 7.4        | 1647        | 12.5        | 16                      | 10        | 9         | 108          |
|           | 20-Jun-11       | 7.6                  | <1           | 8.8        | 1760        | 12.2        | 7                       | 20        | 15        | 12           |
|           | 14-Nov-11       | 15.0                 | <1           | 7.8        | 1856        | 11.7        | 5                       | 67        | 25        | 10           |
| Duplicate | 14-Nov-11       | 15.0                 | 2            | 7.8        | 1864        | 11.7        | <5                      | 69        | 24        | 10           |
|           | 25-Jun-12       | 12.0                 | 4            | 7.6        | 2150        | 13.1        | 7                       | 40        | 14        | 5            |
|           | 5-Dec-12        | 26.5                 | 3            | 8.0        | 2670        | 10.0        | 9                       | 124       | 51        | 11           |
|           | 6-Jun-13        | 17.2                 | <1           | 6.7        | 2190        | 9.8         | 5                       | 60        | 32        | 6            |
|           | <b>4-Nov-13</b> | <b>14.3</b>          | <b>&lt;1</b> | <b>7.9</b> | <b>2020</b> | <b>11.5</b> | <b>10</b>               | <b>45</b> | <b>21</b> | <b>&lt;5</b> |

See notes on page 6.

**Table 2**  
**RACER Trust - Coldwater Road Landfill Facility**  
**Landfill Leachate Sumps - Historical Analytical Results**  
**Inorganics and Metals**

| Sump      | Sample Date      | Indicator Parameters |            |            |             |             | Dissolved Metals (µg/L) |            |              |           |
|-----------|------------------|----------------------|------------|------------|-------------|-------------|-------------------------|------------|--------------|-----------|
|           |                  | TOC (mg/L)           | TSS (mg/L) | pH         | SpC         | T           | Cr                      | Cu         | Ni           | Zn        |
| Sump F    | 23-Mar-95        | 300.0                | 100        | 11.8       | 4100        | --          | 61                      | 3200       | 2200         | <20       |
|           | 30-Aug-95        | 100.0                | 250        | 7.5        | 1600        | --          | <20                     | 300        | 85           | <20       |
|           | 18-Jun-96        | 5.4                  | 19         | 7.4        | 1400        | --          | <20                     | <20        | <20          | 40        |
|           | 11-Nov-96        | 7.1                  | 260        | 7.7        | 1200        | --          | <20                     | <20        | 30           | 50        |
|           | 7-May-97         | 5.0                  | 138        | 6.5        | 1190        | 9.6         | <20                     | <20        | 18           | 80        |
|           | 5-Nov-97         | 5.0                  | 14         | 7.1        | 1300        | 11.0        | <10                     | <10        | 49           | 40        |
|           | 5-May-98         | 6.0                  | 635        | 7.1        | 1250        | 10.5        | <10                     | <10        | 6            | 30        |
|           | 6-Nov-98         | 4.0                  | 14         | 6.1        | 1340        | 12.3        | <10                     | 70         | 7            | 50        |
|           | 26-Apr-99        | 5.3                  | 38         | 8.1        | 682         | 8.2         | <10                     | 40         | 27           | 10        |
|           | 22-Oct-99        | 3.4                  | 11         | 6.6        | 1053        | 11.3        | <10                     | 30         | 6            | 20        |
|           | 20-Jun-00        | 4.1                  | 2          | 7.7        | 1170        | 11.4        | <10                     | <10        | <5           | <10       |
|           | 10-Nov-00        | 2.9                  | 8          | 7.3        | 1340        | 11.1        | <10                     | <10        | 30           | 30        |
|           | 24-May-01        | 6.6                  | 40         | 8.5        | 1310        | 10.6        | <10                     | 20         | <10          | 20        |
|           | 16-Nov-01        | 4.2                  | 323        | 7.3        | 1070        | 12.1        | <10                     | 10         | 8            | 20        |
|           | 31-May-02        | 5.2                  | 150        | 7.2        | 1250        | 14.8        | <10                     | 20         | <5           | 160       |
|           | 12-Dec-03        | 3.4                  | 7          | 7.7        | 1180        | 11.3        | <5                      | <5         | <5           | <5        |
|           | 3-Jun-03         | 5.9                  | 336        | --         | --          | --          | <5                      | 12         | <5           | 21        |
|           | 8-Dec-03         | 6.0                  | 35         | 7.0        | 1210        | 11.3        | <5                      | 14         | 15           | 33        |
|           | 30-Jun-04        | 4.7                  | 2          | 7.7        | 949         | 11.1        | <5                      | 27         | 13           | 20        |
|           | 19-Nov-04        | 6.7                  | 3          | 7.9        | 1260        | 11.2        | 12                      | 8          | 14           | 11        |
|           | 15-Jun-05        | 13.0                 | 8          | 6.4        | 1630        | 16.7        | <5                      | 9          | 13           | 55        |
|           | 17-Jan-06        | 33.9                 | 3263       | 7.5        | 2390        | 6.6         | 107                     | 475        | 124          | 12        |
|           | 29-Jun-06        | 7.0                  | 2          | 7.6        | 1280        | 11.6        | 16                      | 38         | 11           | 29        |
|           | 28-Nov-06        | 4.9                  | <1         | 8.0        | 1250        | 12.9        | 5                       | 18         | 9            | 8         |
|           | 6-Jun-07         | 22.1                 | 8          | 6.8        | 1710        | 11.7        | 11                      | 74         | 22           | 10        |
|           | 12-Nov-07        | 3.8                  | 1          | 7.7        | 1350        | 11.9        | 3                       | 16         | 13           | 30        |
|           | 24-Jun-08        | 4.0                  | 2          | 8.0        | 1160        | 12.3        | 12                      | 15         | 6            | 102       |
| Duplicate | 24-Jun-08        | 3.9                  | 1          | 8.0        | 1160        | 12.3        | 11                      | 14         | 6            | 8         |
|           | 17-Nov-08        | 13.6                 | 2          | 7.6        | 1740        | 10.9        | 29                      | 87         | 81           | 11        |
|           | 23-Jun-09        | 14.4                 | <1         | 7.8        | 1500        | 12.2        | 43                      | 100        | 30           | 9         |
|           | 17-Nov-09        | 10                   | 0          | 8.0        | 1570        | 10.9        | 25                      | 46         | 19           | 23        |
|           | 14-Jun-10        | 5                    | 4          | 7.8        | 1010        | 11.7        | 9                       | 15         | <5           | 12        |
|           | 8-Nov-10         | 9                    | <1         | 8.2        | 1260        | 12.1        | 17                      | 19         | 8            | 6         |
|           | 20-Jun-11        | 9                    | <1         | 7.9        | 1360        | 12.8        | 16                      | 25         | 11           | 13        |
|           | 14-Nov-11        | 38                   | 2          | 8.1        | 3170        | 11.5        | 56                      | 204        | 105          | 10        |
|           | 25-Jun-12        | 40                   | 4          | 7.7        | 3290        | 14.1        | 48                      | 335        | 108          | 17        |
|           | 5-Dec-12         | 44.3                 | 5          | 8.4        | 3530        | 10.0        | 13                      | 264        | 104          | 13        |
|           | 6-Jun-13         | 41.9                 | 2          | 8.0        | 3580        | 10.0        | 16                      | 250        | 86           | 24        |
| Duplicate | 6-Jun-13         | 41.4                 | 1          | 8.0        | 3580        | 10.0        | 15                      | 238        | 85           | 28        |
|           | <b>4-Nov-13</b>  | <b>37.6</b>          | <b>1</b>   | <b>8.2</b> | <b>3770</b> | <b>11.2</b> | <b>23</b>               | <b>124</b> | <b>55</b>    | <b>37</b> |
| Equipment | 24-Jun-08        | <1                   | 1          | --         | 4           | --          | <5                      | <1         | <5           | <5        |
| Blank     | <b>17-Nov-08</b> | <b>1</b>             | <b>2</b>   | <b>--</b>  | <b>4</b>    | <b>--</b>   | <b>&lt;5</b>            | <b>5</b>   | <b>&lt;5</b> | <b>23</b> |

Notes: "<" - Not detected above specified detection limit.  
"NS" - Not sampled - no liquid.  
"SpC" - Specific conductivity in micro siemens (uS).  
"T" - Temperature in degrees celsius.  
"--" - Physical parameter not measured (instrumnt failure or duplicate sample).

**Table 3**  
**RACER Trust - Coldwater Road Landfill Facility**  
**Leachate Sump Depth to Water**

November 4, 2013

| Sump | DTW   |
|------|-------|
| A    | 20.29 |
| B    | 14.54 |
| C    | 15.57 |
| D    | 20.59 |
| E    | 19.85 |
| F    | 21.46 |

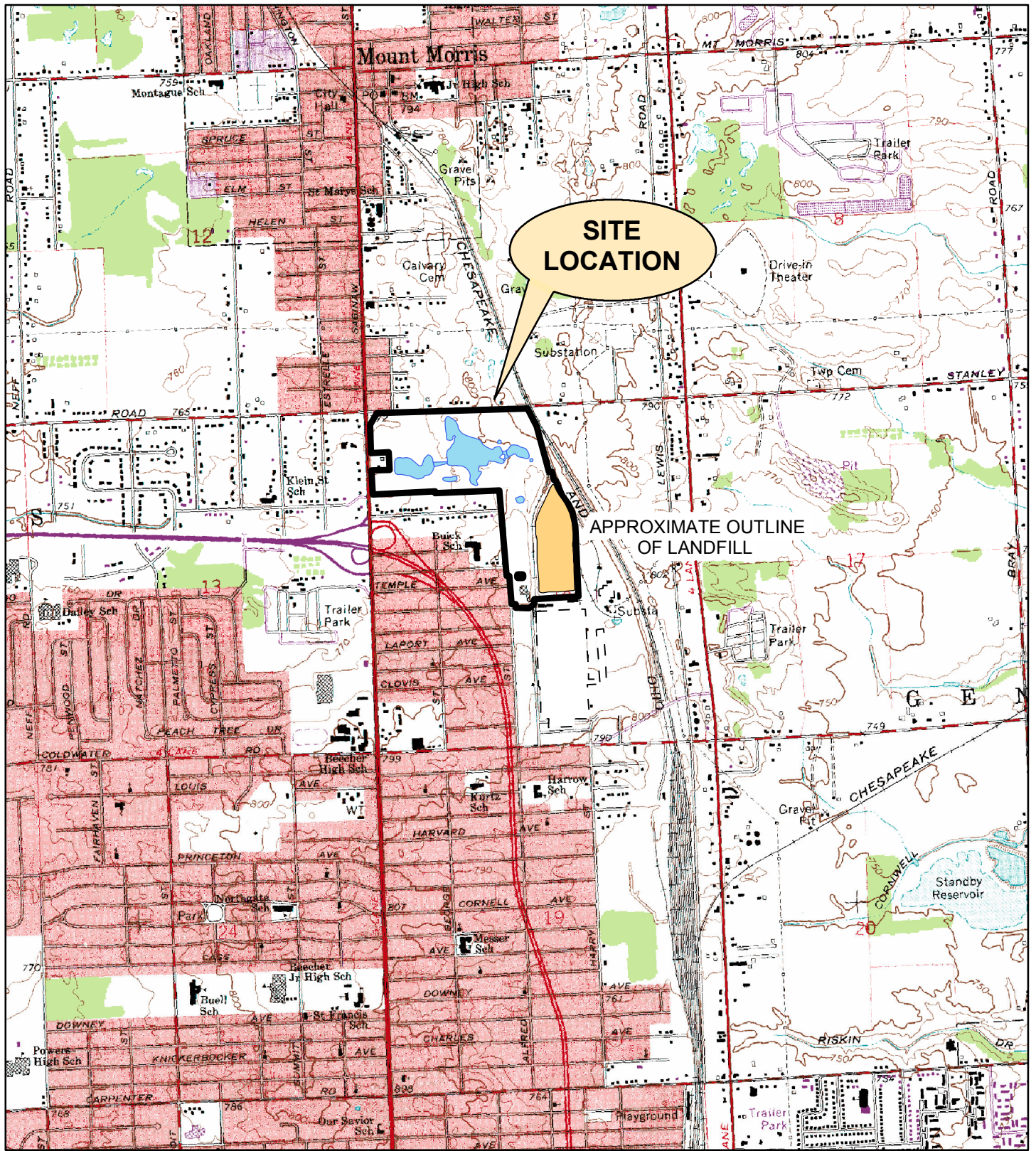
Notes:

DTW= Depth to Water, measured in feet below top of casing

*FIGURES*

Document Path: I:\Racer-Trust\15388\50137\Coldwater-Landfill\Reports\LD\Annual 11-13\Figures\001 - Site\_Location (2013-12).mxd

PLOT DATE: 12/30/2013 KBS



RACER TRUST  
 COLDWATER ROAD LANDFILL FACILITY  
 FLINT, MICHIGAN

**SITE LOCATION MAP**

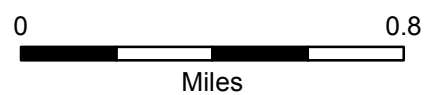




FIGURE 2



**LEGEND**

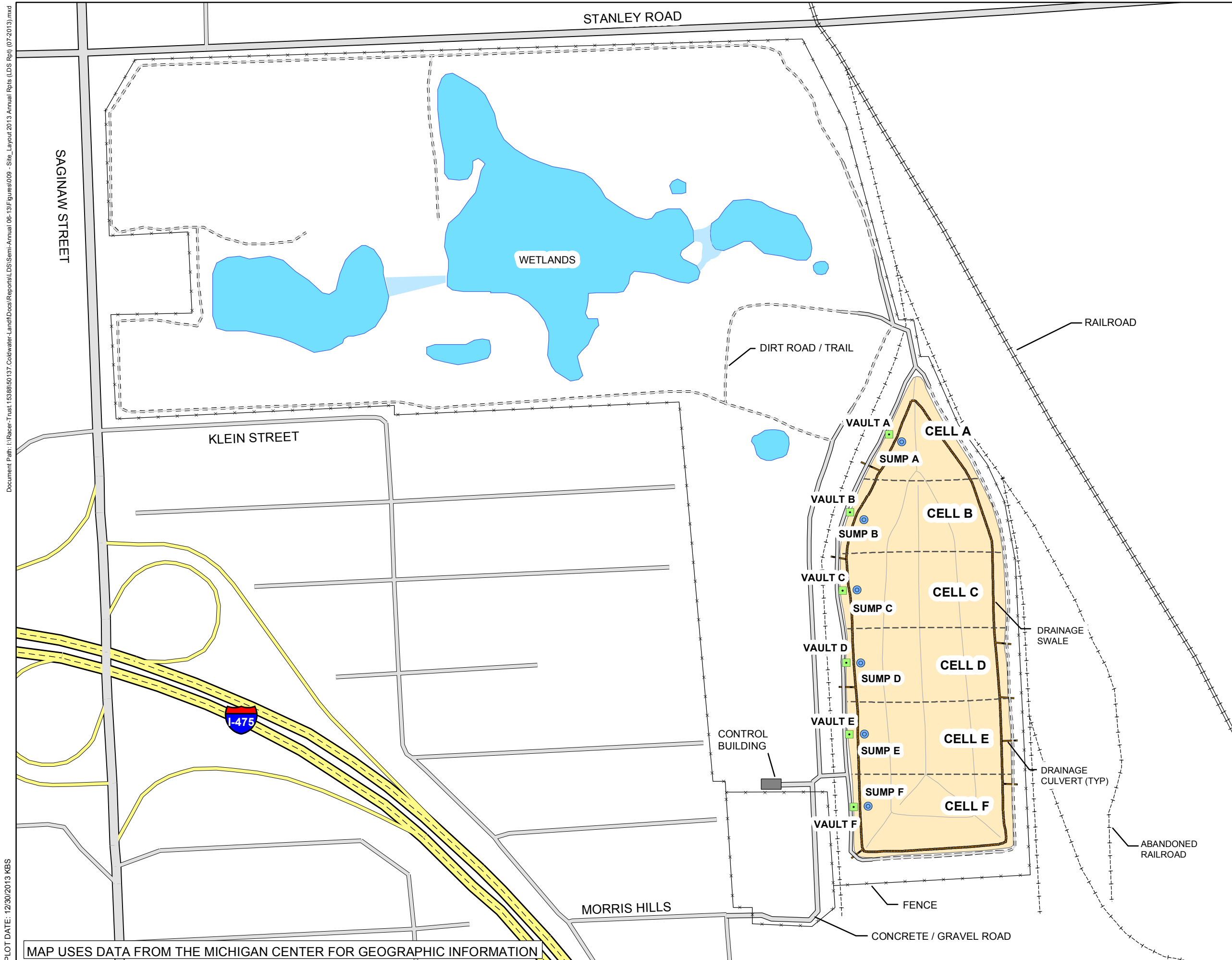
-  LEACHATE COLLECTION SUMP
-  ACCESS PORT FOR LEAK DETECTION VAULT

RACER TRUST  
COLDWATER ROAD  
LANDFILL FACILITY  
FLINT, MICHIGAN

**SITE LAYOUT**



DECEMBER 2013  
15388/50137-002



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PLOT DATE: 12/30/2013 KBS

MAP USES DATA FROM THE MICHIGAN CENTER FOR GEOGRAPHIC INFORMATION

***APPENDIX A***  
***Analytical Laboratory***  
***Reports***



# Analytical Laboratory Report

Report ID: S58826.01(01)  
Generated on 11/19/2013

## Report to

---

Attention: Clifford Yantz  
O'Brien & Gere Engineers, Inc.  
37000 Grand River Ave.  
Suite 260  
Farmington, MI 48335

Phone: 248-477-5701 FAX:  
Email: Clifford.Yantz@obg.com

## Report produced by

---

Merit Laboratories, Inc.  
2680 East Lansing Drive  
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

## Contacts for report questions:

Kevin George (kgeorge@meritlabs.com)  
Barbara Ball (bball@meritlabs.com)

## Report Summary

---

Lab Sample ID(s): S58826.01-S58826.14  
Project: RACER Coldwater Rd Annual Sampling #50137  
Collected Date: 11/04/2013  
Submitted Date/Time: 11/05/2013 14:00  
Sampled by: Kevin Schneider  
P.O. #: 11311200

## Report Notes

---

Results relate only to items tested as received by the laboratory.  
Methods may be modified for improved performance.  
Results reported on a dry weight basis where applicable.  
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).  
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.  
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc..

## Laboratory Certifications:

Michigan DNRE (#9956), DOD/ISO 17025 (#69699), WBENC (#2005110032), Ohio EPA (#CL0002)  
IN Drinking Water (#C-MI-07), NELAC NY (#11814), NCDENR (#680), NC Drinking Water (#26702)  
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak  
Laboratory Director



# Analytical Laboratory Report

## Sample Summary (14 samples)

| Sample ID | Sample Tag | Matrix     | Collected Date/Time |
|-----------|------------|------------|---------------------|
| S58826.01 | Sump - A   | Wastewater | 11/04/2013 09:50    |
| S58826.02 | Vault - A  | Wastewater | 11/04/2013 10:15    |
| S58826.03 | Sump - B   | Wastewater | 11/04/2013 10:40    |
| S58826.04 | Vault - B  | Wastewater | 11/04/2013 10:55    |
| S58826.05 | Sump - C   | Wastewater | 11/04/2013 11:25    |
| S58826.06 | Vault - C  | Wastewater | 11/04/2013 11:40    |
| S58826.07 | Sump - D   | Wastewater | 11/04/2013 12:25    |
| S58826.08 | Vault - D  | Wastewater | 11/04/2013 12:45    |
| S58826.09 | Sump - E   | Wastewater | 11/04/2013 13:10    |
| S58826.10 | Vault - E  | Wastewater | 11/04/2013 13:30    |
| S58826.11 | Sump - F   | Wastewater | 11/04/2013 14:15    |
| S58826.12 | Vault - F  | Wastewater | 11/04/2013 14:30    |
| S58826.13 | DUP-1      | Wastewater | 11/04/2013 00:01    |
| S58826.14 | DUP-2      | Wastewater | 11/04/2013 00:01    |



# Analytical Laboratory Report

Lab Sample ID: S58826.01  
 Sample Tag: Sump - A  
 Collected Date/Time: 11/04/2013 09:50  
 Matrix: Wastewater  
 COC Reference: 77547

## Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis                  | Results      | Units    | RL    | Method   | Run Date/Time  | Analyst | CAS #     | Flags |
|---------------------------|--------------|----------|-------|----------|----------------|---------|-----------|-------|
| <b>Extraction / Prep.</b> |              |          |       |          |                |         |           |       |
| Metal Digestion           | Completed    |          |       | SW3015A  | 11/18/13 08:30 | JRH     |           |       |
| <b>Inorganics</b>         |              |          |       |          |                |         |           |       |
| Conductivity              | 3,100        | umhos/cm |       | E120.1   | 11/08/13 16:24 | JKB     |           |       |
| TOC                       | 58.9         | mg/L     | 1     | SM 5310C | 11/07/13 17:12 | JKB     |           |       |
| Total Suspended Solids    | Not detected | mg/L     | 1     | SM2540D  | 11/06/13 11:50 | ASB     |           |       |
| <b>Metals</b>             |              |          |       |          |                |         |           |       |
| Chromium, Dissolved       | 0.129        | mg/L     | 0.005 | E200.8   | 11/18/13 14:21 | JRH     | 7440-47-3 |       |
| Copper, Dissolved         | 0.819        | mg/L     | 0.004 | E200.8   | 11/18/13 14:21 | JRH     | 7440-50-8 |       |
| Nickel, Dissolved         | 0.073        | mg/L     | 0.005 | E200.8   | 11/18/13 14:21 | JRH     | 7440-02-0 |       |
| Zinc, Dissolved           | 0.008        | mg/L     | 0.005 | E200.8   | 11/18/13 14:21 | JRH     | 7440-66-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S58826.02  
 Sample Tag: Vault - A  
 Collected Date/Time: 11/04/2013 10:15  
 Matrix: Wastewater  
 COC Reference: 77547

## Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis                  | Results      | Units    | RL    | Method   | Run Date/Time  | Analyst | CAS #     | Flags |
|---------------------------|--------------|----------|-------|----------|----------------|---------|-----------|-------|
| <b>Extraction / Prep.</b> |              |          |       |          |                |         |           |       |
| Metal Digestion           | Completed    |          |       | SW3015A  | 11/18/13 08:30 | JRH     |           |       |
| <b>Inorganics</b>         |              |          |       |          |                |         |           |       |
| Conductivity              | 1,630        | umhos/cm |       | E120.1   | 11/08/13 16:26 | JKB     |           |       |
| TOC                       | 5.0          | mg/L     | 1     | SM 5310C | 11/07/13 17:32 | JKB     |           |       |
| Total Suspended Solids    | Not detected | mg/L     | 1     | SM2540D  | 11/06/13 11:50 | ASB     |           |       |
| <b>Metals</b>             |              |          |       |          |                |         |           |       |
| Chromium, Dissolved       | Not detected | mg/L     | 0.005 | E200.8   | 11/18/13 14:24 | JRH     | 7440-47-3 |       |
| Copper, Dissolved         | Not detected | mg/L     | 0.004 | E200.8   | 11/18/13 14:24 | JRH     | 7440-50-8 |       |
| Nickel, Dissolved         | 0.018        | mg/L     | 0.005 | E200.8   | 11/18/13 14:24 | JRH     | 7440-02-0 |       |
| Zinc, Dissolved           | Not detected | mg/L     | 0.005 | E200.8   | 11/18/13 14:24 | JRH     | 7440-66-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S58826.03  
 Sample Tag: Sump - B  
 Collected Date/Time: 11/04/2013 10:40  
 Matrix: Wastewater  
 COC Reference: 77547

Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis                  | Results   | Units    | RL    | Method   | Run Date/Time  | Analyst | CAS #     | Flags |
|---------------------------|-----------|----------|-------|----------|----------------|---------|-----------|-------|
| <b>Extraction / Prep.</b> |           |          |       |          |                |         |           |       |
| Metal Digestion           | Completed |          |       | SW3015A  | 11/18/13 08:30 | JRH     |           |       |
| <b>Inorganics</b>         |           |          |       |          |                |         |           |       |
| Conductivity              | 3,590     | umhos/cm |       | E120.1   | 11/08/13 16:28 | JKB     |           |       |
| TOC                       | 79.0      | mg/L     | 1     | SM 5310C | 11/07/13 17:53 | JKB     |           |       |
| Total Suspended Solids    | 2         | mg/L     | 1     | SM2540D  | 11/06/13 16:00 | ASB     |           |       |
| <b>Metals</b>             |           |          |       |          |                |         |           |       |
| Chromium, Dissolved       | 0.516     | mg/L     | 0.005 | E200.8   | 11/18/13 14:26 | JRH     | 7440-47-3 |       |
| Copper, Dissolved         | 0.749     | mg/L     | 0.004 | E200.8   | 11/18/13 14:26 | JRH     | 7440-50-8 |       |
| Nickel, Dissolved         | 0.087     | mg/L     | 0.005 | E200.8   | 11/18/13 14:26 | JRH     | 7440-02-0 |       |
| Zinc, Dissolved           | 0.011     | mg/L     | 0.005 | E200.8   | 11/18/13 14:26 | JRH     | 7440-66-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S58826.04  
 Sample Tag: Vault - B  
 Collected Date/Time: 11/04/2013 10:55  
 Matrix: Wastewater  
 COC Reference: 77547

Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis | Results | Units | RL | Method | Run Date/Time | Analyst | CAS # | Flags |
|----------|---------|-------|----|--------|---------------|---------|-------|-------|
|----------|---------|-------|----|--------|---------------|---------|-------|-------|

**Extraction / Prep.**

|                 |           |  |  |         |                |     |  |  |
|-----------------|-----------|--|--|---------|----------------|-----|--|--|
| Metal Digestion | Completed |  |  | SW3015A | 11/18/13 08:30 | JRH |  |  |
|-----------------|-----------|--|--|---------|----------------|-----|--|--|

**Inorganics**

|                        |       |          |   |          |                |     |  |  |
|------------------------|-------|----------|---|----------|----------------|-----|--|--|
| Conductivity           | 1,750 | umhos/cm |   | E120.1   | 11/08/13 16:30 | JKB |  |  |
| TOC                    | 3.0   | mg/L     | 1 | SM 5310C | 11/07/13 18:13 | JKB |  |  |
| Total Suspended Solids | 1     | mg/L     | 1 | SM2540D  | 11/06/13 16:00 | ASB |  |  |

**Metals**

|                     |              |      |       |        |                |     |           |  |
|---------------------|--------------|------|-------|--------|----------------|-----|-----------|--|
| Chromium, Dissolved | Not detected | mg/L | 0.005 | E200.8 | 11/18/13 14:29 | JRH | 7440-47-3 |  |
| Copper, Dissolved   | Not detected | mg/L | 0.004 | E200.8 | 11/18/13 14:29 | JRH | 7440-50-8 |  |
| Nickel, Dissolved   | 0.005        | mg/L | 0.005 | E200.8 | 11/18/13 14:29 | JRH | 7440-02-0 |  |
| Zinc, Dissolved     | 0.014        | mg/L | 0.005 | E200.8 | 11/18/13 14:29 | JRH | 7440-66-6 |  |



# Analytical Laboratory Report

Lab Sample ID: S58826.05  
 Sample Tag: Sump - C  
 Collected Date/Time: 11/04/2013 11:25  
 Matrix: Wastewater  
 COC Reference: 77547

Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis                  | Results   | Units    | RL    | Method   | Run Date/Time  | Analyst | CAS #     | Flags |
|---------------------------|-----------|----------|-------|----------|----------------|---------|-----------|-------|
| <b>Extraction / Prep.</b> |           |          |       |          |                |         |           |       |
| Metal Digestion           | Completed |          |       | SW3015A  | 11/18/13 08:30 | JRH     |           |       |
| <b>Inorganics</b>         |           |          |       |          |                |         |           |       |
| Conductivity              | 5,150     | umhos/cm |       | E120.1   | 11/08/13 16:32 | JKB     |           |       |
| TOC                       | 132       | mg/L     | 1     | SM 5310C | 11/07/13 18:33 | JKB     |           |       |
| Total Suspended Solids    | 1         | mg/L     | 1     | SM2540D  | 11/06/13 16:00 | ASB     |           |       |
| <b>Metals</b>             |           |          |       |          |                |         |           |       |
| Chromium, Dissolved       | 0.038     | mg/L     | 0.005 | E200.8   | 11/18/13 14:31 | JRH     | 7440-47-3 |       |
| Copper, Dissolved         | 3.41      | mg/L     | 0.004 | E200.8   | 11/18/13 14:31 | JRH     | 7440-50-8 |       |
| Nickel, Dissolved         | 0.539     | mg/L     | 0.005 | E200.8   | 11/18/13 14:31 | JRH     | 7440-02-0 |       |
| Zinc, Dissolved           | 0.007     | mg/L     | 0.005 | E200.8   | 11/18/13 14:31 | JRH     | 7440-66-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S58826.06  
 Sample Tag: Vault - C  
 Collected Date/Time: 11/04/2013 11:40  
 Matrix: Wastewater  
 COC Reference: 77547

## Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis | Results | Units | RL | Method | Run Date/Time | Analyst | CAS # | Flags |
|----------|---------|-------|----|--------|---------------|---------|-------|-------|
|----------|---------|-------|----|--------|---------------|---------|-------|-------|

### **Extraction / Prep.**

|                 |           |  |  |         |                |     |  |  |
|-----------------|-----------|--|--|---------|----------------|-----|--|--|
| Metal Digestion | Completed |  |  | SW3015A | 11/18/13 08:30 | JRH |  |  |
|-----------------|-----------|--|--|---------|----------------|-----|--|--|

### **Inorganics**

|                        |       |          |   |          |                |     |  |  |
|------------------------|-------|----------|---|----------|----------------|-----|--|--|
| Conductivity           | 1,703 | umhos/cm |   | E120.1   | 11/08/13 16:34 | JKB |  |  |
| TOC                    | 5.3   | mg/L     | 1 | SM 5310C | 11/07/13 18:54 | JKB |  |  |
| Total Suspended Solids | 1     | mg/L     | 1 | SM2540D  | 11/06/13 16:00 | ASB |  |  |

### **Metals**

|                     |              |      |       |        |                |     |           |  |
|---------------------|--------------|------|-------|--------|----------------|-----|-----------|--|
| Chromium, Dissolved | Not detected | mg/L | 0.005 | E200.8 | 11/18/13 14:33 | JRH | 7440-47-3 |  |
| Copper, Dissolved   | Not detected | mg/L | 0.004 | E200.8 | 11/18/13 14:33 | JRH | 7440-50-8 |  |
| Nickel, Dissolved   | 0.008        | mg/L | 0.005 | E200.8 | 11/18/13 14:33 | JRH | 7440-02-0 |  |
| Zinc, Dissolved     | Not detected | mg/L | 0.005 | E200.8 | 11/18/13 14:33 | JRH | 7440-66-6 |  |



# Analytical Laboratory Report

Lab Sample ID: S58826.07  
 Sample Tag: Sump - D  
 Collected Date/Time: 11/04/2013 12:25  
 Matrix: Wastewater  
 COC Reference: 77547

## Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis                  | Results   | Units    | RL    | Method   | Run Date/Time  | Analyst | CAS #     | Flags |
|---------------------------|-----------|----------|-------|----------|----------------|---------|-----------|-------|
| <b>Extraction / Prep.</b> |           |          |       |          |                |         |           |       |
| Metal Digestion           | Completed |          |       | SW3015A  | 11/18/13 08:30 | JRH     |           |       |
| <b>Inorganics</b>         |           |          |       |          |                |         |           |       |
| Conductivity              | 5,740     | umhos/cm |       | E120.1   | 11/08/13 16:36 | JKB     |           |       |
| TOC                       | 204       | mg/L     | 1     | SM 5310C | 11/07/13 19:14 | JKB     |           |       |
| Total Suspended Solids    | 3         | mg/L     | 1     | SM2540D  | 11/06/13 16:00 | ASB     |           |       |
| <b>Metals</b>             |           |          |       |          |                |         |           |       |
| Chromium, Dissolved       | 0.078     | mg/L     | 0.005 | E200.8   | 11/18/13 14:36 | JRH     | 7440-47-3 |       |
| Copper, Dissolved         | 2.19      | mg/L     | 0.004 | E200.8   | 11/18/13 14:36 | JRH     | 7440-50-8 |       |
| Nickel, Dissolved         | 1.40      | mg/L     | 0.005 | E200.8   | 11/18/13 14:36 | JRH     | 7440-02-0 |       |
| Zinc, Dissolved           | 0.006     | mg/L     | 0.005 | E200.8   | 11/18/13 14:36 | JRH     | 7440-66-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S58826.08  
 Sample Tag: Vault - D  
 Collected Date/Time: 11/04/2013 12:45  
 Matrix: Wastewater  
 COC Reference: 77547

Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis                  | Results      | Units    | RL    | Method   | Run Date/Time  | Analyst | CAS #     | Flags |
|---------------------------|--------------|----------|-------|----------|----------------|---------|-----------|-------|
| <b>Extraction / Prep.</b> |              |          |       |          |                |         |           |       |
| Metal Digestion           | Completed    |          |       | SW3015A  | 11/18/13 08:30 | JRH     |           |       |
| <b>Inorganics</b>         |              |          |       |          |                |         |           |       |
| Conductivity              | 1,565        | umhos/cm |       | E120.1   | 11/08/13 16:38 | JKB     |           |       |
| TOC                       | 7.2          | mg/L     | 1     | SM 5310C | 11/07/13 19:34 | JKB     |           |       |
| Total Suspended Solids    | Not detected | mg/L     | 1     | SM2540D  | 11/06/13 16:00 | ASB     |           |       |
| <b>Metals</b>             |              |          |       |          |                |         |           |       |
| Chromium, Dissolved       | Not detected | mg/L     | 0.005 | E200.8   | 11/18/13 14:38 | JRH     | 7440-47-3 |       |
| Copper, Dissolved         | 0.004        | mg/L     | 0.004 | E200.8   | 11/18/13 14:38 | JRH     | 7440-50-8 |       |
| Nickel, Dissolved         | 0.013        | mg/L     | 0.005 | E200.8   | 11/18/13 14:38 | JRH     | 7440-02-0 |       |
| Zinc, Dissolved           | 0.007        | mg/L     | 0.005 | E200.8   | 11/18/13 14:38 | JRH     | 7440-66-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S58826.09  
 Sample Tag: Sump - E  
 Collected Date/Time: 11/04/2013 13:10  
 Matrix: Wastewater  
 COC Reference: 77547

Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis                  | Results      | Units    | RL    | Method   | Run Date/Time  | Analyst | CAS #     | Flags |
|---------------------------|--------------|----------|-------|----------|----------------|---------|-----------|-------|
| <b>Extraction / Prep.</b> |              |          |       |          |                |         |           |       |
| Metal Digestion           | Completed    |          |       | SW3015A  | 11/18/13 08:30 | JRH     |           |       |
| <b>Inorganics</b>         |              |          |       |          |                |         |           |       |
| Conductivity              | 2,020        | umhos/cm |       | E120.1   | 11/08/13 16:40 | JKB     |           |       |
| TOC                       | 14.3         | mg/L     | 1     | SM 5310C | 11/07/13 19:54 | JKB     |           |       |
| Total Suspended Solids    | Not detected | mg/L     | 1     | SM2540D  | 11/06/13 16:00 | ASB     |           |       |
| <b>Metals</b>             |              |          |       |          |                |         |           |       |
| Chromium, Dissolved       | 0.010        | mg/L     | 0.005 | E200.8   | 11/18/13 14:41 | JRH     | 7440-47-3 |       |
| Copper, Dissolved         | 0.045        | mg/L     | 0.004 | E200.8   | 11/18/13 14:41 | JRH     | 7440-50-8 |       |
| Nickel, Dissolved         | 0.021        | mg/L     | 0.005 | E200.8   | 11/18/13 14:41 | JRH     | 7440-02-0 |       |
| Zinc, Dissolved           | Not detected | mg/L     | 0.005 | E200.8   | 11/18/13 14:41 | JRH     | 7440-66-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S58826.10  
 Sample Tag: Vault - E  
 Collected Date/Time: 11/04/2013 13:30  
 Matrix: Wastewater  
 COC Reference: 77547

## Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis | Results | Units | RL | Method | Run Date/Time | Analyst | CAS # | Flags |
|----------|---------|-------|----|--------|---------------|---------|-------|-------|
|----------|---------|-------|----|--------|---------------|---------|-------|-------|

### **Extraction / Prep.**

|                 |           |  |  |         |                |     |  |  |
|-----------------|-----------|--|--|---------|----------------|-----|--|--|
| Metal Digestion | Completed |  |  | SW3015A | 11/18/13 08:30 | JRH |  |  |
|-----------------|-----------|--|--|---------|----------------|-----|--|--|

### **Inorganics**

|                        |       |          |   |          |                |     |  |  |
|------------------------|-------|----------|---|----------|----------------|-----|--|--|
| Conductivity           | 1,741 | umhos/cm |   | E120.1   | 11/08/13 16:42 | JKB |  |  |
| TOC                    | 3.0   | mg/L     | 1 | SM 5310C | 11/07/13 20:14 | JKB |  |  |
| Total Suspended Solids | 2     | mg/L     | 1 | SM2540D  | 11/06/13 16:00 | ASB |  |  |

### **Metals**

|                     |              |      |       |        |                |     |           |  |
|---------------------|--------------|------|-------|--------|----------------|-----|-----------|--|
| Chromium, Dissolved | Not detected | mg/L | 0.005 | E200.8 | 11/18/13 14:43 | JRH | 7440-47-3 |  |
| Copper, Dissolved   | 0.004        | mg/L | 0.004 | E200.8 | 11/18/13 14:43 | JRH | 7440-50-8 |  |
| Nickel, Dissolved   | 0.012        | mg/L | 0.005 | E200.8 | 11/18/13 14:43 | JRH | 7440-02-0 |  |
| Zinc, Dissolved     | 0.009        | mg/L | 0.005 | E200.8 | 11/18/13 14:43 | JRH | 7440-66-6 |  |



# Analytical Laboratory Report

Lab Sample ID: S58826.11  
 Sample Tag: Sump - F  
 Collected Date/Time: 11/04/2013 14:15  
 Matrix: Wastewater  
 COC Reference: 77547

## Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis                  | Results   | Units    | RL    | Method   | Run Date/Time  | Analyst | CAS #     | Flags |
|---------------------------|-----------|----------|-------|----------|----------------|---------|-----------|-------|
| <b>Extraction / Prep.</b> |           |          |       |          |                |         |           |       |
| Metal Digestion           | Completed |          |       | SW3015A  | 11/18/13 08:30 | JRH     |           |       |
| <b>Inorganics</b>         |           |          |       |          |                |         |           |       |
| Conductivity              | 3,770     | umhos/cm |       | E120.1   | 11/08/13 16:44 | JKB     |           |       |
| TOC                       | 37.6      | mg/L     | 1     | SM 5310C | 11/07/13 20:35 | JKB     |           |       |
| Total Suspended Solids    | 1         | mg/L     | 1     | SM2540D  | 11/06/13 16:00 | ASB     |           |       |
| <b>Metals</b>             |           |          |       |          |                |         |           |       |
| Chromium, Dissolved       | 0.023     | mg/L     | 0.005 | E200.8   | 11/18/13 14:55 | JRH     | 7440-47-3 |       |
| Copper, Dissolved         | 0.124     | mg/L     | 0.004 | E200.8   | 11/18/13 14:55 | JRH     | 7440-50-8 |       |
| Nickel, Dissolved         | 0.055     | mg/L     | 0.005 | E200.8   | 11/18/13 14:55 | JRH     | 7440-02-0 |       |
| Zinc, Dissolved           | 0.037     | mg/L     | 0.005 | E200.8   | 11/18/13 14:55 | JRH     | 7440-66-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S58826.12  
 Sample Tag: Vault - F  
 Collected Date/Time: 11/04/2013 14:30  
 Matrix: Wastewater  
 COC Reference: 77547

## Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis | Results | Units | RL | Method | Run Date/Time | Analyst | CAS # | Flags |
|----------|---------|-------|----|--------|---------------|---------|-------|-------|
|----------|---------|-------|----|--------|---------------|---------|-------|-------|

### **Extraction / Prep.**

|                 |           |  |  |         |                |     |  |  |
|-----------------|-----------|--|--|---------|----------------|-----|--|--|
| Metal Digestion | Completed |  |  | SW3015A | 11/18/13 08:30 | JRH |  |  |
|-----------------|-----------|--|--|---------|----------------|-----|--|--|

### **Inorganics**

|                        |       |          |   |          |                |     |  |  |
|------------------------|-------|----------|---|----------|----------------|-----|--|--|
| Conductivity           | 1,736 | umhos/cm |   | E120.1   | 11/08/13 16:46 | JKB |  |  |
| TOC                    | 2.6   | mg/L     | 1 | SM 5310C | 11/07/13 20:55 | JKB |  |  |
| Total Suspended Solids | 1     | mg/L     | 1 | SM2540D  | 11/08/13 18:15 | ASB |  |  |

### **Metals**

|                     |              |      |       |        |                |     |           |  |
|---------------------|--------------|------|-------|--------|----------------|-----|-----------|--|
| Chromium, Dissolved | Not detected | mg/L | 0.005 | E200.8 | 11/18/13 14:58 | JRH | 7440-47-3 |  |
| Copper, Dissolved   | Not detected | mg/L | 0.004 | E200.8 | 11/18/13 14:58 | JRH | 7440-50-8 |  |
| Nickel, Dissolved   | Not detected | mg/L | 0.005 | E200.8 | 11/18/13 14:58 | JRH | 7440-02-0 |  |
| Zinc, Dissolved     | Not detected | mg/L | 0.005 | E200.8 | 11/18/13 14:58 | JRH | 7440-66-6 |  |



# Analytical Laboratory Report

Lab Sample ID: S58826.13  
 Sample Tag: DUP-1  
 Collected Date/Time: 11/04/2013 00:01  
 Matrix: Wastewater  
 COC Reference: 77543

## Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis                  | Results      | Units    | RL    | Method   | Run Date/Time  | Analyst | CAS #     | Flags |
|---------------------------|--------------|----------|-------|----------|----------------|---------|-----------|-------|
| <b>Extraction / Prep.</b> |              |          |       |          |                |         |           |       |
| Metal Digestion           | Completed    |          |       | SW3015A  | 11/18/13 08:30 | JRH     |           |       |
| <b>Inorganics</b>         |              |          |       |          |                |         |           |       |
| Conductivity              | 5,760        | umhos/cm |       | E120.1   | 11/08/13 16:48 | JKB     |           |       |
| TOC                       | 208          | mg/L     | 1     | SM 5310C | 11/11/13 16:02 | JKB     |           |       |
| Total Suspended Solids    | 2            | mg/L     | 1     | SM2540D  | 11/08/13 18:15 | ASB     |           |       |
| <b>Metals</b>             |              |          |       |          |                |         |           |       |
| Chromium, Dissolved       | 0.075        | mg/L     | 0.005 | E200.8   | 11/18/13 15:00 | JRH     | 7440-47-3 |       |
| Copper, Dissolved         | 2.14         | mg/L     | 0.004 | E200.8   | 11/18/13 15:00 | JRH     | 7440-50-8 |       |
| Nickel, Dissolved         | 1.37         | mg/L     | 0.005 | E200.8   | 11/18/13 15:00 | JRH     | 7440-02-0 |       |
| Zinc, Dissolved           | Not detected | mg/L     | 0.005 | E200.8   | 11/18/13 15:00 | JRH     | 7440-66-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S58826.14  
 Sample Tag: DUP-2  
 Collected Date/Time: 11/04/2013 00:01  
 Matrix: Wastewater  
 COC Reference: 77543

## Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 4.7               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 4.7               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 4.7               | IR            |

| Analysis | Results | Units | RL | Method | Run Date/Time | Analyst | CAS # | Flags |
|----------|---------|-------|----|--------|---------------|---------|-------|-------|
|----------|---------|-------|----|--------|---------------|---------|-------|-------|

### **Extraction / Prep.**

|                 |           |  |  |         |                |     |  |  |
|-----------------|-----------|--|--|---------|----------------|-----|--|--|
| Metal Digestion | Completed |  |  | SW3015A | 11/18/13 08:30 | JRH |  |  |
|-----------------|-----------|--|--|---------|----------------|-----|--|--|

### **Inorganics**

|                        |              |          |   |          |                |     |  |  |
|------------------------|--------------|----------|---|----------|----------------|-----|--|--|
| Conductivity           | 1,562        | umhos/cm |   | E120.1   | 11/08/13 16:50 | JKB |  |  |
| TOC                    | 7.6          | mg/L     | 1 | SM 5310C | 11/07/13 21:36 | JKB |  |  |
| Total Suspended Solids | Not detected | mg/L     | 1 | SM2540D  | 11/08/13 18:15 | ASB |  |  |

### **Metals**

|                     |              |      |       |        |                |     |           |  |
|---------------------|--------------|------|-------|--------|----------------|-----|-----------|--|
| Chromium, Dissolved | Not detected | mg/L | 0.005 | E200.8 | 11/18/13 15:02 | JRH | 7440-47-3 |  |
| Copper, Dissolved   | Not detected | mg/L | 0.004 | E200.8 | 11/18/13 15:02 | JRH | 7440-50-8 |  |
| Nickel, Dissolved   | 0.013        | mg/L | 0.005 | E200.8 | 11/18/13 15:02 | JRH | 7440-02-0 |  |
| Zinc, Dissolved     | 0.009        | mg/L | 0.005 | E200.8 | 11/18/13 15:02 | JRH | 7440-66-6 |  |





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C.O.C. PAGE # 2 OF 2

77543

**REPORT TO**

**CHAIN OF CUSTODY RECORD**

**INVOICE TO**

CONTACT NAME: Cliff Yantz  
 COMPANY: O'Brien & Gere  
 ADDRESS: 37000 Grandriver Ave Ste 260  
 CITY: Farmington Hills STATE: MI ZIP CODE: 48335  
 PHONE NO.: 248-477-5701 FAX NO.: 248-477-5962 P.O. NO.: 11311200  
 E-MAIL ADDRESS: Clifford.Yantz@obg.com QUOTE NO.:

CONTACT NAME:  SAME  
 COMPANY:  
 ADDRESS:  
 CITY: STATE: ZIP CODE:  
 PHONE NO.: E-MAIL ADDRESS:

**ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)**

PROJECT NO./NAME: #50137 RACER Coldwater R/Landfill Annual Sampling SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider  
 TURNAROUND TIME REQUIRED:  1 DAY  2 DAYS  3 DAYS  STANDARD  OTHER  
 DELIVERABLES REQUIRED:  STD  LEVEL II  LEVEL III  LEVEL IV  EDD  OTHER

MATRIX: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
 CODE: SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIFE A=AIR W=WASTE

# Containers & Preservatives

| MERIT LAB NO.<br><small>FOR LAB USE ONLY</small> | YEAR    |      | SAMPLE TAG IDENTIFICATION-DESCRIPTION | MATRIX | # OF BOTTLES | NONE | HCl | HNO <sub>3</sub> | H <sub>2</sub> SO <sub>4</sub> | NaOH | MeOH | OTHER | TOC | Dissolved Metals | Specific Conductivity | TSS | Certifications  | Project Locations  | Special Instructions   |  |  |
|--|---------|------|---------------------------------------|--------|--------------|------|-----|------------------|--------------------------------|------|------|-------|-----|------------------|-----------------------|-----|---|--|------------------------|--|--|
|  | DATE    | TIME |                                       |        |              |      |     |                  |                                |      |      |       |     |                  |                       |     |   |  |                        |  |  |
| 58826.13   | 11/4/13 | -    | DUP-1                                 | WWSW   | 4            | 1    |     | 1                | 0                              |      |      |       | X   | X                | X                     | X   | <input type="checkbox"/> OHIO VAP <input type="checkbox"/> Drinking Water | <input type="checkbox"/> Detroit <input type="checkbox"/> New York | Metals: Cu, Cr, Ni, Zn |  |  |
| .14  | 11/4/13 | -    | DUP-2                                 | WW     | 4            | 1    |     | 1                | 0                              |      |      |       | X   | X                | X                     | X   | <input type="checkbox"/> DoD <input type="checkbox"/> NPDES               |  |                        |  |  |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |     |                  |                       |     |   |  |                        |  |  |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |     |                  |                       |     |   |  |                        |  |  |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |     |                  |                       |     |   |  |                        |  |  |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |     |                  |                       |     |   |  |                        |  |  |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |     |                  |                       |     |   |  |                        |  |  |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |     |                  |                       |     |   |  |                        |  |  |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |     |                  |                       |     |   |  |                        |  |  |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |     |                  |                       |     |   |  |                        |  |  |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |     |                  |                       |     |   |  |                        |  |  |
|  |         |      |                                       |        |              |      |     |                  |                                |      |      |       |     |                  |                       |     |   |  |                        |  |  |

RELINQUISHED BY: [Signature] O'Brien & Gere  Sampler DATE: 11/5/13 TIME: 12:00  
 RECEIVED BY: [Signature] DATE: 11-5-13 TIME: 12:00  
 RELINQUISHED BY: DATE: TIME:  
 RECEIVED BY: DATE: TIME:

RELINQUISHED BY: [Signature] DATE: 11/5/13 TIME: 14:00  
 RECEIVED BY: [Signature] DATE: 11/5/13 TIME: 14:00  
 SEAL NO. SEAL INTACT YES  NO  INITIALS: \_\_\_\_\_ NOTES: TEMP. ON ARRIVAL: 47  
 SEAL NO. SEAL INTACT YES  NO  INITIALS: \_\_\_\_\_

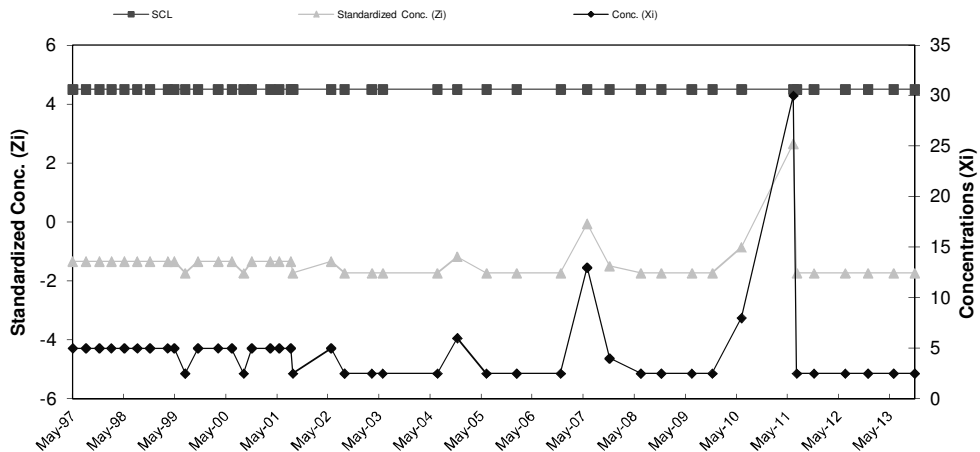
***APPENDIX B***  
***Leak Detection Vault***  
***Control Charts***

**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault A - Chromium**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Mar-95 | 10    | 13.38 | 6.25     |
| 2             | Jun-95 | 24    |       |          |
| 3             | Aug-95 | 10    |       |          |
| 4             | Nov-95 | 23    |       |          |
| 5             | Mar-96 | 10    |       |          |
| 6             | Jun-96 | 10    |       |          |
| 7             | Aug-96 | 10    |       |          |
| 8             | Nov-96 | 10    |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-97 | 4.5 | 5          | -1.34                   | 46 | Nov-11 | 4.5 | 2.5        | -1.74                   |
| 10 | Aug-97 | 4.5 | 5          | -1.34                   | 47 | Jun-12 | 4.5 | 2.5        | -1.74                   |
| 11 | Nov-97 | 4.5 | 5          | -1.34                   | 48 | Dec-12 | 4.5 | 2.5        | -1.74                   |
| 12 | Feb-98 | 4.5 | 5          | -1.34                   | 49 | Jun-13 | 4.5 | 2.5        | -1.74                   |
| 13 | May-98 | 4.5 | 5          | -1.34                   | 50 | Nov-13 | 4.5 | 2.5        | -1.74                   |
| 14 | Aug-98 | 4.5 | 5          | -1.34                   |    |        |     |            |                         |
| 15 | Nov-98 | 4.5 | 5          | -1.34                   |    |        |     |            |                         |
| 16 | Mar-99 | 4.5 | 5          | -1.34                   |    |        |     |            |                         |
| 17 | May-99 | 4.5 | 5          | -1.34                   |    |        |     |            |                         |
| 18 | Jul-99 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 19 | Oct-99 | 4.5 | 5          | -1.34                   |    |        |     |            |                         |
| 20 | Mar-00 | 4.5 | 5          | -1.34                   |    |        |     |            |                         |
| 21 | Jun-00 | 4.5 | 5          | -1.34                   |    |        |     |            |                         |
| 22 | Sep-00 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 23 | Nov-00 | 4.5 | 5          | -1.34                   |    |        |     |            |                         |
| 24 | Mar-01 | 4.5 | 5          | -1.34                   |    |        |     |            |                         |
| 25 | May-01 | 4.5 | 5          | -1.34                   |    |        |     |            |                         |
| 26 | Aug-01 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 27 | Aug-01 | 4.5 | 5          | -1.34                   |    |        |     |            |                         |
| 28 | May-02 | 4.5 | 5          | -1.34                   |    |        |     |            |                         |
| 29 | Sep-02 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 30 | Mar-03 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 31 | Jun-03 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 32 | Jun-04 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 33 | Nov-04 | 4.5 | 6          | -1.18                   |    |        |     |            |                         |
| 34 | Jun-05 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 35 | Jan-06 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 36 | Nov-06 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 37 | Jun-07 | 4.5 | 13         | -0.06                   |    |        |     |            |                         |
| 38 | Nov-07 | 4.5 | 4          | -1.50                   |    |        |     |            |                         |
| 39 | Jun-08 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 40 | Nov-08 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 41 | Jun-09 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 42 | Nov-09 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |
| 43 | Jun-10 | 4.5 | 8          | -0.86                   |    |        |     |            |                         |
| 44 | Jun-11 | 4.5 | 30         | 2.66                    |    |        |     |            |                         |
| 45 | Jul-11 | 4.5 | 2.5        | -1.74                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

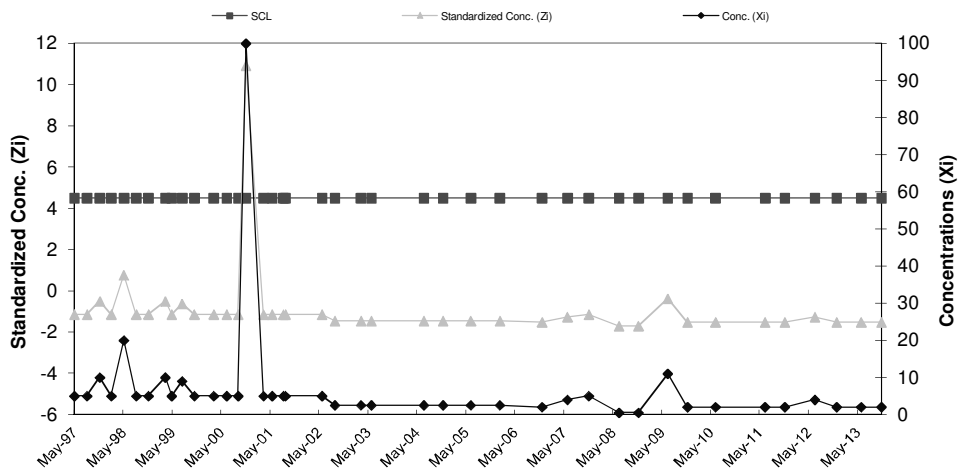


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault A - Copper**

| Baseline Data |        |       |           |             |
|---------------|--------|-------|-----------|-------------|
| Ti            | Date   | Conc. | Mean      | Std. Dev    |
| 1             | Mar-95 | 10    | <b>14</b> | <b>7.87</b> |
| 2             | Jun-95 | 21    |           |             |
| 3             | Aug-95 | 10    |           |             |
| 4             | Nov-95 | 31    |           |             |
| 5             | Mar-96 | 10    |           |             |
| 6             | Jun-96 | 10    |           |             |
| 7             | Aug-96 | 10    |           |             |
| 8             | Nov-96 | 10    |           |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-97 | 4.5 | 5          | -1.14                   | 45 | Nov-11 | 4.5 | 2          | -1.52                   |
| 10 | Aug-97 | 4.5 | 5          | -1.14                   | 46 | Jun-12 | 4.5 | 4          | -1.27                   |
| 11 | Nov-97 | 4.5 | 10         | -0.51                   | 47 | Dec-12 | 4.5 | 2          | -1.52                   |
| 12 | Feb-98 | 4.5 | 5          | -1.14                   | 48 | Jun-13 | 4.5 | 2          | -1.52                   |
| 13 | May-98 | 4.5 | 20         | 0.76                    | 49 | Nov-13 | 4.5 | 2          | -1.52                   |
| 14 | Aug-98 | 4.5 | 5          | -1.14                   |    |        |     |            |                         |
| 15 | Nov-98 | 4.5 | 5          | -1.14                   |    |        |     |            |                         |
| 16 | Mar-99 | 4.5 | 10         | -0.51                   |    |        |     |            |                         |
| 17 | May-99 | 4.5 | 5          | -1.14                   |    |        |     |            |                         |
| 18 | Jul-99 | 4.5 | 9          | -0.64                   |    |        |     |            |                         |
| 19 | Oct-99 | 4.5 | 5          | -1.14                   |    |        |     |            |                         |
| 20 | Mar-00 | 4.5 | 5          | -1.14                   |    |        |     |            |                         |
| 21 | Jun-00 | 4.5 | 5          | -1.14                   |    |        |     |            |                         |
| 22 | Sep-00 | 4.5 | 5          | -1.14                   |    |        |     |            |                         |
| 23 | Nov-00 | 4.5 | 100        | 10.92                   |    |        |     |            |                         |
| 24 | Mar-01 | 4.5 | 5          | -1.14                   |    |        |     |            |                         |
| 25 | May-01 | 4.5 | 5          | -1.14                   |    |        |     |            |                         |
| 26 | Aug-01 | 4.5 | 5          | -1.14                   |    |        |     |            |                         |
| 27 | Aug-01 | 4.5 | 5          | -1.14                   |    |        |     |            |                         |
| 28 | May-02 | 4.5 | 5          | -1.14                   |    |        |     |            |                         |
| 29 | Sep-02 | 4.5 | 2.5        | -1.46                   |    |        |     |            |                         |
| 30 | Mar-03 | 4.5 | 2.5        | -1.46                   |    |        |     |            |                         |
| 31 | Jun-03 | 4.5 | 2.5        | -1.46                   |    |        |     |            |                         |
| 32 | Jun-04 | 4.5 | 2.5        | -1.46                   |    |        |     |            |                         |
| 33 | Nov-04 | 4.5 | 2.5        | -1.46                   |    |        |     |            |                         |
| 34 | Jun-05 | 4.5 | 2.5        | -1.46                   |    |        |     |            |                         |
| 35 | Jan-06 | 4.5 | 2.5        | -1.46                   |    |        |     |            |                         |
| 36 | Nov-06 | 4.5 | 2          | -1.52                   |    |        |     |            |                         |
| 37 | Jun-07 | 4.5 | 4          | -1.27                   |    |        |     |            |                         |
| 38 | Nov-07 | 4.5 | 5          | -1.14                   |    |        |     |            |                         |
| 39 | Jun-08 | 4.5 | 0.5        | -1.71                   |    |        |     |            |                         |
| 40 | Nov-08 | 4.5 | 0.5        | -1.71                   |    |        |     |            |                         |
| 41 | Jun-09 | 4.5 | 11         | -0.38                   |    |        |     |            |                         |
| 42 | Nov-09 | 4.5 | 2          | -1.52                   |    |        |     |            |                         |
| 43 | Jun-10 | 4.5 | 2          | -1.52                   |    |        |     |            |                         |
| 44 | Jun-11 | 4.5 | 2          | -1.52                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

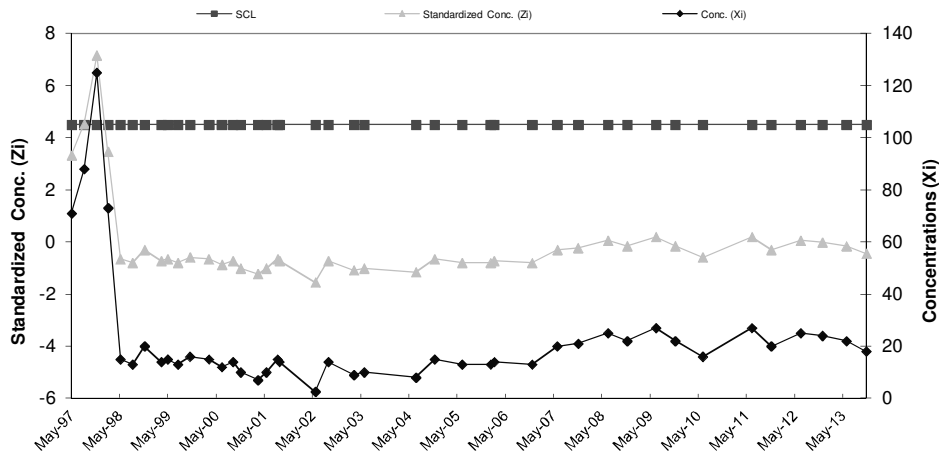


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault A - Nickel**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Mar-95 | 20    | 24.25 | 14.07    |
| 2             | Jun-95 | 15    |       |          |
| 3             | Aug-95 | 20    |       |          |
| 4             | Nov-95 | 43    |       |          |
| 5             | Mar-96 | 46    |       |          |
| 6             | Jun-96 | 10    |       |          |
| 7             | Aug-96 | 10    |       |          |
| 8             | Nov-96 | 30    |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-97 | 4.5 | 71         | 3.32                    | 46 | Nov-11 | 4.5 | 20         | -0.30                   |
| 10 | Aug-97 | 4.5 | 88         | 4.53                    | 47 | Jun-12 | 4.5 | 25         | 0.05                    |
| 11 | Nov-97 | 4.5 | 125        | 7.16                    | 48 | Dec-12 | 4.5 | 24         | -0.02                   |
| 12 | Feb-98 | 4.5 | 73         | 3.47                    | 49 | Jun-13 | 4.5 | 22         | -0.16                   |
| 13 | May-98 | 4.5 | 15         | -0.66                   | 50 | Nov-13 | 4.5 | 18         | -0.44                   |
| 14 | Aug-98 | 4.5 | 13         | -0.80                   |    |        |     |            |                         |
| 15 | Nov-98 | 4.5 | 20         | -0.30                   |    |        |     |            |                         |
| 16 | Mar-99 | 4.5 | 14         | -0.73                   |    |        |     |            |                         |
| 17 | May-99 | 4.5 | 15         | -0.66                   |    |        |     |            |                         |
| 18 | Jul-99 | 4.5 | 13         | -0.80                   |    |        |     |            |                         |
| 19 | Oct-99 | 4.5 | 16         | -0.59                   |    |        |     |            |                         |
| 20 | Mar-00 | 4.5 | 15         | -0.66                   |    |        |     |            |                         |
| 21 | Jun-00 | 4.5 | 12         | -0.87                   |    |        |     |            |                         |
| 22 | Sep-00 | 4.5 | 14         | -0.73                   |    |        |     |            |                         |
| 23 | Nov-00 | 4.5 | 10         | -1.01                   |    |        |     |            |                         |
| 24 | Mar-01 | 4.5 | 7          | -1.23                   |    |        |     |            |                         |
| 25 | May-01 | 4.5 | 10         | -1.01                   |    |        |     |            |                         |
| 26 | Aug-01 | 4.5 | 14         | -0.73                   |    |        |     |            |                         |
| 27 | Aug-01 | 4.5 | 15         | -0.66                   |    |        |     |            |                         |
| 28 | May-02 | 4.5 | 2.5        | -1.55                   |    |        |     |            |                         |
| 29 | Sep-02 | 4.5 | 14         | -0.73                   |    |        |     |            |                         |
| 30 | Mar-03 | 4.5 | 9          | -1.08                   |    |        |     |            |                         |
| 31 | Jun-03 | 4.5 | 10         | -1.01                   |    |        |     |            |                         |
| 32 | Jun-04 | 4.5 | 8          | -1.16                   |    |        |     |            |                         |
| 33 | Nov-04 | 4.5 | 15         | -0.66                   |    |        |     |            |                         |
| 34 | Jun-05 | 4.5 | 13         | -0.80                   |    |        |     |            |                         |
| 35 | Jan-06 | 4.5 | 13         | -0.80                   |    |        |     |            |                         |
| 36 | Feb-06 | 4.5 | 14         | -0.73                   |    |        |     |            |                         |
| 37 | Nov-06 | 4.5 | 13         | -0.80                   |    |        |     |            |                         |
| 38 | Jun-07 | 4.5 | 20         | -0.30                   |    |        |     |            |                         |
| 39 | Nov-07 | 4.5 | 21         | -0.23                   |    |        |     |            |                         |
| 40 | Jun-08 | 4.5 | 25         | 0.05                    |    |        |     |            |                         |
| 41 | Nov-08 | 4.5 | 22         | -0.16                   |    |        |     |            |                         |
| 42 | Jun-09 | 4.5 | 27         | 0.20                    |    |        |     |            |                         |
| 43 | Nov-09 | 4.5 | 22         | -0.16                   |    |        |     |            |                         |
| 44 | Jun-10 | 4.5 | 16         | -0.59                   |    |        |     |            |                         |
| 45 | Jun-11 | 4.5 | 27         | 0.20                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

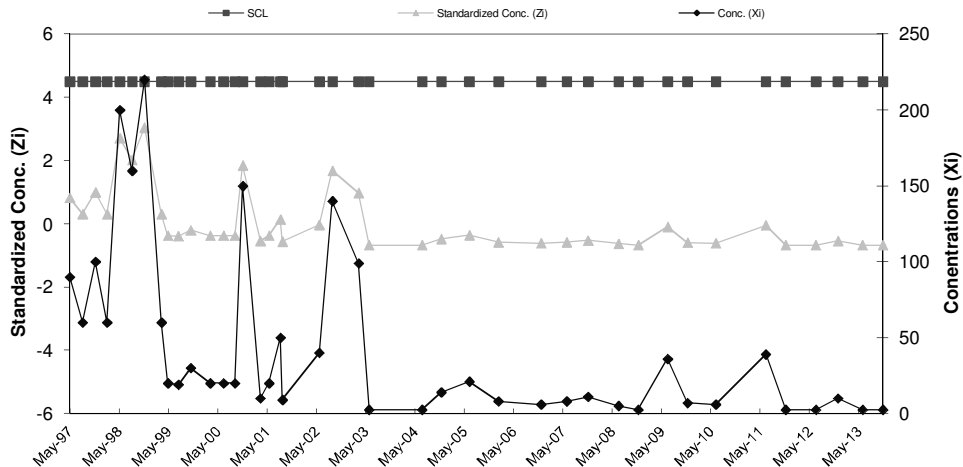


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault A - Zinc**

| Baseline Data |        |       |              |              |
|---------------|--------|-------|--------------|--------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev     |
| 1             | Mar-95 | 180   | <b>41.75</b> | <b>58.47</b> |
| 2             | Jun-95 | 10    |              |              |
| 3             | Aug-95 | 10    |              |              |
| 4             | Nov-95 | 24    |              |              |
| 5             | Mar-96 | 10    |              |              |
| 6             | Jun-96 | 10    |              |              |
| 7             | Aug-96 | 30    |              |              |
| 8             | Nov-96 | 60    |              |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-97 | 4.5 | 90         | 0.83                    | 45 | Nov-11 | 4.5 | 2.5        | -0.67                   |
| 10 | Aug-97 | 4.5 | 60         | 0.31                    | 46 | Jun-12 | 4.5 | 2.5        | -0.67                   |
| 11 | Nov-97 | 4.5 | 100        | 1.00                    | 47 | Dec-12 | 4.5 | 10         | -0.54                   |
| 12 | Feb-98 | 4.5 | 60         | 0.31                    | 48 | Jun-13 | 4.5 | 2.5        | -0.67                   |
| 13 | May-98 | 4.5 | 200        | 2.71                    | 49 | Nov-13 | 4.5 | 2.5        | -0.67                   |
| 14 | Aug-98 | 4.5 | 160        | 2.02                    |    |        |     |            |                         |
| 15 | Nov-98 | 4.5 | 220        | 3.05                    |    |        |     |            |                         |
| 16 | Mar-99 | 4.5 | 60         | 0.31                    |    |        |     |            |                         |
| 17 | May-99 | 4.5 | 20         | -0.37                   |    |        |     |            |                         |
| 18 | Jul-99 | 4.5 | 19         | -0.39                   |    |        |     |            |                         |
| 19 | Oct-99 | 4.5 | 30         | -0.20                   |    |        |     |            |                         |
| 20 | Mar-00 | 4.5 | 20         | -0.37                   |    |        |     |            |                         |
| 21 | Jun-00 | 4.5 | 20         | -0.37                   |    |        |     |            |                         |
| 22 | Sep-00 | 4.5 | 20         | -0.37                   |    |        |     |            |                         |
| 23 | Nov-00 | 4.5 | 150        | 1.85                    |    |        |     |            |                         |
| 24 | Mar-01 | 4.5 | 10         | -0.54                   |    |        |     |            |                         |
| 25 | May-01 | 4.5 | 20         | -0.37                   |    |        |     |            |                         |
| 26 | Aug-01 | 4.5 | 9          | -0.56                   |    |        |     |            |                         |
| 27 | Aug-01 | 4.5 | 50         | 0.14                    |    |        |     |            |                         |
| 28 | May-02 | 4.5 | 40         | -0.03                   |    |        |     |            |                         |
| 29 | Sep-02 | 4.5 | 140        | 1.68                    |    |        |     |            |                         |
| 30 | Mar-03 | 4.5 | 99         | 0.98                    |    |        |     |            |                         |
| 31 | Jun-03 | 4.5 | 2.5        | -0.67                   |    |        |     |            |                         |
| 32 | Jun-04 | 4.5 | 2.5        | -0.67                   |    |        |     |            |                         |
| 33 | Nov-04 | 4.5 | 14         | -0.47                   |    |        |     |            |                         |
| 34 | Jun-05 | 4.5 | 21         | -0.35                   |    |        |     |            |                         |
| 35 | Jan-06 | 4.5 | 8          | -0.58                   |    |        |     |            |                         |
| 36 | Nov-06 | 4.5 | 6          | -0.61                   |    |        |     |            |                         |
| 37 | Jun-07 | 4.5 | 8          | -0.58                   |    |        |     |            |                         |
| 38 | Nov-07 | 4.5 | 11         | -0.53                   |    |        |     |            |                         |
| 39 | Jun-08 | 4.5 | 5          | -0.63                   |    |        |     |            |                         |
| 40 | Nov-08 | 4.5 | 2.5        | -0.67                   |    |        |     |            |                         |
| 41 | Jun-09 | 4.5 | 36         | -0.10                   |    |        |     |            |                         |
| 42 | Nov-09 | 4.5 | 7          | -0.59                   |    |        |     |            |                         |
| 43 | Jun-10 | 4.5 | 6          | -0.61                   |    |        |     |            |                         |
| 44 | Jun-11 | 4.5 | 39         | -0.05                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

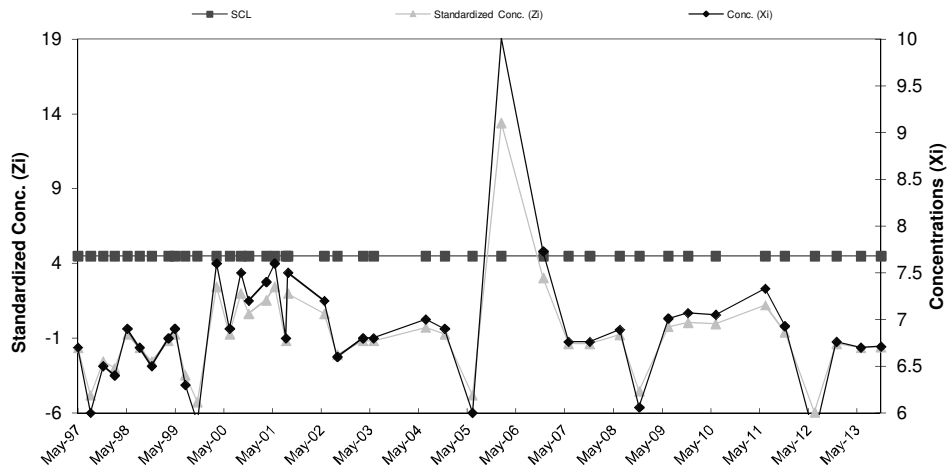


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault A - pH**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Mar-95 | 7.5   | 7.06 | 0.22     |
| 2             | Jun-95 | 6.8   |      |          |
| 3             | Aug-95 | 6.9   |      |          |
| 4             | Nov-95 | 7     |      |          |
| 5             | Mar-96 | 7.2   |      |          |
| 6             | Jun-96 | 6.9   |      |          |
| 7             | Aug-96 | 7.1   |      |          |
| 8             | Nov-96 | 7.1   |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-97 | 4.5 | 6.7        | -1.65                   | 45 | Nov-11 | 4.5 | 6.9        | -0.60                   |
| 10 | Aug-97 | 4.5 | 6          | -4.83                   | 46 | Jun-12 | 4.5 | 5.75       | -5.97                   |
| 11 | Nov-97 | 4.5 | 6.5        | -2.56                   | 47 | Dec-12 | 4.5 | 6.76       | -1.38                   |
| 12 | Feb-98 | 4.5 | 6.4        | -3.01                   | 48 | Jun-13 | 4.5 | 6.7        | -1.65                   |
| 13 | May-98 | 4.5 | 6.9        | -0.74                   | 49 | Nov-13 | 4.5 | 6.71       | -1.60                   |
| 14 | Aug-98 | 4.5 | 6.7        | -1.65                   |    |        |     |            |                         |
| 15 | Nov-98 | 4.5 | 6.5        | -2.56                   |    |        |     |            |                         |
| 16 | Mar-99 | 4.5 | 6.8        | -1.19                   |    |        |     |            |                         |
| 17 | May-99 | 4.5 | 6.9        | -0.74                   |    |        |     |            |                         |
| 18 | Jul-99 | 4.5 | 6.3        | -3.47                   |    |        |     |            |                         |
| 19 | Oct-99 | 4.5 | 5.9        | -5.28                   |    |        |     |            |                         |
| 20 | Mar-00 | 4.5 | 7.6        | 2.44                    |    |        |     |            |                         |
| 21 | Jun-00 | 4.5 | 6.9        | -0.74                   |    |        |     |            |                         |
| 22 | Sep-00 | 4.5 | 7.5        | 1.99                    |    |        |     |            |                         |
| 23 | Nov-00 | 4.5 | 7.2        | 0.63                    |    |        |     |            |                         |
| 24 | Mar-01 | 4.5 | 7.4        | 1.53                    |    |        |     |            |                         |
| 25 | May-01 | 4.5 | 7.6        | 2.44                    |    |        |     |            |                         |
| 26 | Aug-01 | 4.5 | 7.5        | 1.99                    |    |        |     |            |                         |
| 27 | Aug-01 | 4.5 | 6.8        | -1.19                   |    |        |     |            |                         |
| 28 | May-02 | 4.5 | 7.2        | 0.63                    |    |        |     |            |                         |
| 29 | Sep-02 | 4.5 | 6.6        | -2.10                   |    |        |     |            |                         |
| 30 | Mar-03 | 4.5 | 6.8        | -1.19                   |    |        |     |            |                         |
| 31 | Jun-03 | 4.5 | 6.8        | -1.19                   |    |        |     |            |                         |
| 32 | Jun-04 | 4.5 | 7          | -0.28                   |    |        |     |            |                         |
| 33 | Nov-04 | 4.5 | 6.9        | -0.74                   |    |        |     |            |                         |
| 34 | Jun-05 | 4.5 | 6          | -4.83                   |    |        |     |            |                         |
| 35 | Jan-06 | 4.5 | 10.0       | 13.40                   |    |        |     |            |                         |
| 36 | Nov-06 | 4.5 | 7.7        | 3.03                    |    |        |     |            |                         |
| 37 | Jun-07 | 4.5 | 6.8        | -1.38                   |    |        |     |            |                         |
| 38 | Nov-07 | 4.5 | 6.8        | -1.38                   |    |        |     |            |                         |
| 39 | Jun-08 | 4.5 | 6.9        | -0.78                   |    |        |     |            |                         |
| 40 | Nov-08 | 4.5 | 6.1        | -4.56                   |    |        |     |            |                         |
| 41 | Jun-09 | 4.5 | 7.0        | -0.24                   |    |        |     |            |                         |
| 42 | Nov-09 | 4.5 | 7.1        | 0.03                    |    |        |     |            |                         |
| 43 | Jun-10 | 4.5 | 7.1        | -0.06                   |    |        |     |            |                         |
| 44 | Jun-11 | 4.5 | 7.3        | 1.22                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

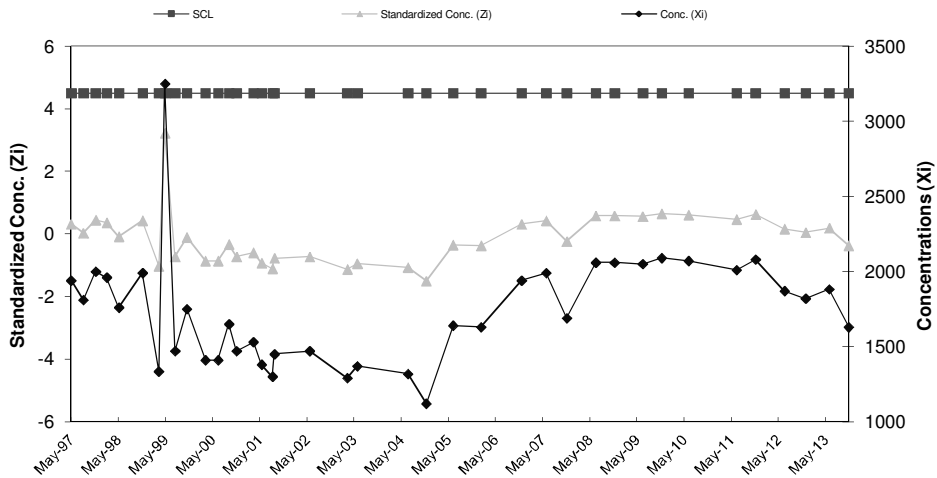


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault A - SpC**

| Baseline Data |        |       |          |          |
|---------------|--------|-------|----------|----------|
| Ti            | Date   | Conc. | Mean     | Std. Dev |
| 1             | Mar-95 | 690   | 1,798.75 | 450.73   |
| 2             | Jun-95 | 1900  |          |          |
| 3             | Aug-95 | 2000  |          |          |
| 4             | Nov-95 | 1900  |          |          |
| 5             | Mar-96 | 2000  |          |          |
| 6             | Jun-96 | 2000  |          |          |
| 7             | Aug-96 | 1900  |          |          |
| 8             | Nov-96 | 2000  |          |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-97 | 4.5 | 1940       | 0.31                    | 43 | Nov-11 | 4.5 | 2080       | 0.62                    |
| 10 | Aug-97 | 4.5 | 1810       | 0.02                    | 44 | Jun-12 | 4.5 | 1870       | 0.16                    |
| 11 | Nov-97 | 4.5 | 2000       | 0.45                    | 45 | Dec-12 | 4.5 | 1820       | 0.05                    |
| 12 | Feb-98 | 4.5 | 1960       | 0.36                    | 46 | Jun-13 | 4.5 | 1882       | 0.18                    |
| 13 | May-98 | 4.5 | 1760       | -0.09                   | 47 | Nov-13 | 4.5 | 1630       | -0.37                   |
| 14 | Nov-98 | 4.5 | 1990       | 0.42                    |    |        |     |            |                         |
| 15 | Mar-99 | 4.5 | 1334       | -1.03                   |    |        |     |            |                         |
| 16 | May-99 | 4.5 | 3250       | 3.22                    |    |        |     |            |                         |
| 17 | Jul-99 | 4.5 | 1470       | -0.73                   |    |        |     |            |                         |
| 18 | Oct-99 | 4.5 | 1750       | -0.11                   |    |        |     |            |                         |
| 19 | Mar-00 | 4.5 | 1410       | -0.86                   |    |        |     |            |                         |
| 20 | Jun-00 | 4.5 | 1410       | -0.86                   |    |        |     |            |                         |
| 21 | Sep-00 | 4.5 | 1650       | -0.33                   |    |        |     |            |                         |
| 22 | Nov-00 | 4.5 | 1470       | -0.73                   |    |        |     |            |                         |
| 23 | Mar-01 | 4.5 | 1530       | -0.60                   |    |        |     |            |                         |
| 24 | May-01 | 4.5 | 1380       | -0.93                   |    |        |     |            |                         |
| 25 | Aug-01 | 4.5 | 1450       | -0.77                   |    |        |     |            |                         |
| 26 | Aug-01 | 4.5 | 1300       | -1.11                   |    |        |     |            |                         |
| 27 | May-02 | 4.5 | 1470       | -0.73                   |    |        |     |            |                         |
| 28 | Mar-03 | 4.5 | 1290       | -1.13                   |    |        |     |            |                         |
| 29 | Jun-03 | 4.5 | 1370       | -0.95                   |    |        |     |            |                         |
| 30 | Jun-04 | 4.5 | 1318       | -1.07                   |    |        |     |            |                         |
| 31 | Nov-04 | 4.5 | 1120       | -1.51                   |    |        |     |            |                         |
| 32 | Jun-05 | 4.5 | 1640       | -0.35                   |    |        |     |            |                         |
| 33 | Jan-06 | 4.5 | 1630       | -0.37                   |    |        |     |            |                         |
| 34 | Nov-06 | 4.5 | 1940       | 0.31                    |    |        |     |            |                         |
| 35 | Jun-07 | 4.5 | 1990       | 0.42                    |    |        |     |            |                         |
| 36 | Nov-07 | 4.5 | 1690       | -0.24                   |    |        |     |            |                         |
| 37 | Jun-08 | 4.5 | 2060       | 0.58                    |    |        |     |            |                         |
| 38 | Nov-08 | 4.5 | 2060       | 0.58                    |    |        |     |            |                         |
| 39 | Jun-09 | 4.5 | 2050       | 0.56                    |    |        |     |            |                         |
| 40 | Nov-09 | 4.5 | 2090       | 0.65                    |    |        |     |            |                         |
| 41 | Jun-10 | 4.5 | 2070       | 0.60                    |    |        |     |            |                         |
| 42 | Jun-11 | 4.5 | 2010       | 0.47                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

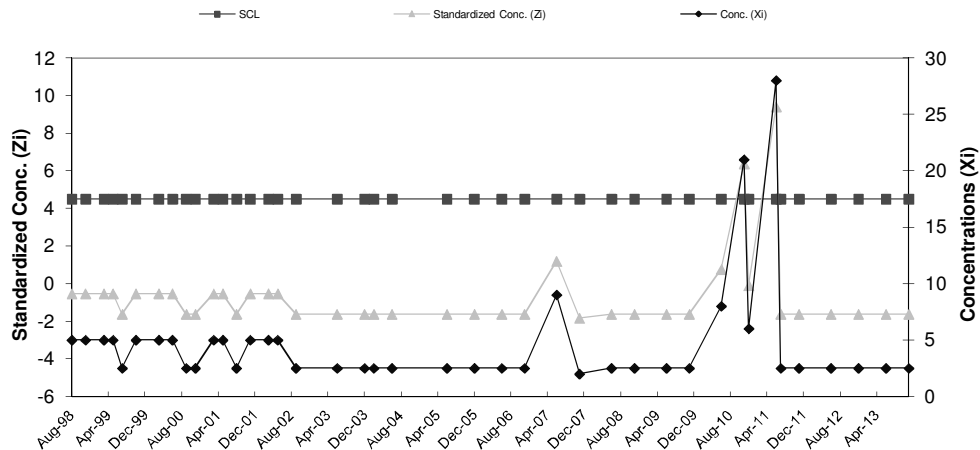


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault B - Chromium**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-96 | 10    | 6.25 | 2.31     |
| 2             | Nov-96 | 10    |      |          |
| 3             | Feb-97 | 5     |      |          |
| 4             | May-97 | 5     |      |          |
| 5             | Aug-97 | 5     |      |          |
| 6             | Nov-97 | 5     |      |          |
| 7             | Feb-98 | 5     |      |          |
| 8             | May-98 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Aug-98 | 4.5 | 5          | -0.54                   | 45 | Nov-11 | 4.5 | 2.5        | -1.62                   |
| 10 | Nov-98 | 4.5 | 5          | -0.54                   | 46 | Jun-12 | 4.5 | 2.5        | -1.62                   |
| 11 | Mar-99 | 4.5 | 5          | -0.54                   | 47 | Dec-12 | 4.5 | 2.5        | -1.62                   |
| 12 | May-99 | 4.5 | 5          | -0.54                   | 48 | Jun-13 | 4.5 | 2.5        | -1.62                   |
| 13 | Jul-99 | 4.5 | 2.5        | -1.62                   | 49 | Nov-13 | 4.5 | 2.5        | -1.62                   |
| 14 | Oct-99 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 15 | Mar-00 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 16 | Jun-00 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 17 | Sep-00 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 18 | Nov-00 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 19 | Mar-01 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 20 | May-01 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 21 | Aug-01 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 22 | Nov-01 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 23 | Mar-02 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 24 | May-02 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 25 | Sep-02 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 27 | Dec-03 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 28 | Feb-04 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 29 | Jun-04 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 30 | Jun-05 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 31 | Dec-05 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 32 | Jun-06 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 33 | Nov-06 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 34 | Jun-07 | 4.5 | 9          | 1.19                    |    |        |     |            |                         |
| 35 | Nov-07 | 4.5 | 2          | -1.84                   |    |        |     |            |                         |
| 36 | Jun-08 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 37 | Nov-08 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 38 | Jun-09 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 39 | Nov-09 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 40 | Jun-10 | 4.5 | 8          | 0.76                    |    |        |     |            |                         |
| 41 | Nov-10 | 4.5 | 21         | 6.37                    |    |        |     |            |                         |
| 42 | Dec-10 | 4.5 | 6          | -0.11                   |    |        |     |            |                         |
| 43 | Jun-11 | 4.5 | 28         | 9.40                    |    |        |     |            |                         |
| 44 | Jul-11 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

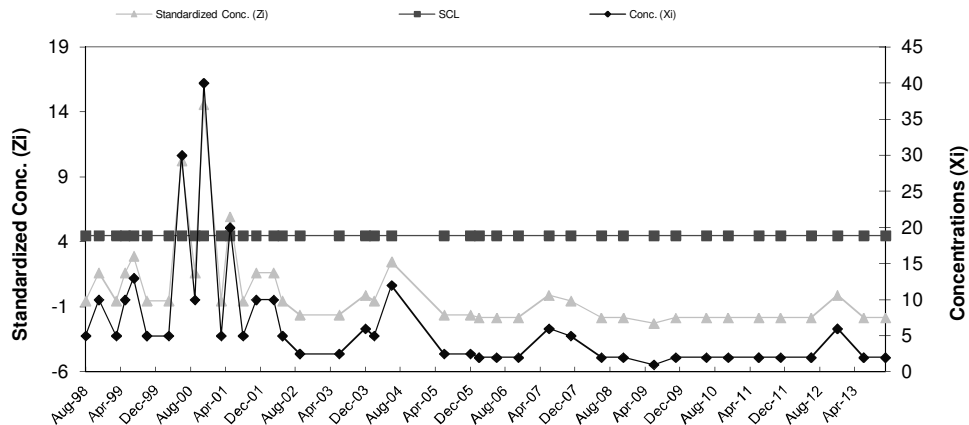


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault B - Copper**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-96 | 10    | 6.25 | 2.31     |
| 2             | Nov-96 | 10    |      |          |
| 3             | Feb-97 | 5     |      |          |
| 4             | May-97 | 5     |      |          |
| 5             | Aug-97 | 5     |      |          |
| 6             | Nov-97 | 5     |      |          |
| 7             | Feb-98 | 5     |      |          |
| 8             | May-98 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Aug-98 | 4.5 | 5          | -0.54                   | 44 | Nov-11 | 4.5 | 2          | -1.84                   |
| 10 | Nov-98 | 4.5 | 10         | 1.62                    | 45 | Jun-12 | 4.5 | 2          | -1.84                   |
| 11 | Mar-99 | 4.5 | 5          | -0.54                   | 46 | Dec-12 | 4.5 | 6          | -0.11                   |
| 12 | May-99 | 4.5 | 10         | 1.62                    | 47 | Jun-13 | 4.5 | 2          | -1.84                   |
| 13 | Jul-99 | 4.5 | 13         | 2.92                    | 48 | Nov-13 | 4.5 | 2          | -1.84                   |
| 14 | Oct-99 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 15 | Mar-00 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 16 | Jun-00 | 4.5 | 30         | 10.26                   |    |        |     |            |                         |
| 17 | Sep-00 | 4.5 | 10         | 1.62                    |    |        |     |            |                         |
| 18 | Nov-00 | 4.5 | 40         | 14.58                   |    |        |     |            |                         |
| 19 | Mar-01 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 20 | May-01 | 4.5 | 20         | 5.94                    |    |        |     |            |                         |
| 21 | Aug-01 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 22 | Nov-01 | 4.5 | 10         | 1.62                    |    |        |     |            |                         |
| 23 | Mar-02 | 4.5 | 10         | 1.62                    |    |        |     |            |                         |
| 24 | May-02 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 25 | Sep-02 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 27 | Dec-03 | 4.5 | 6          | -0.11                   |    |        |     |            |                         |
| 28 | Feb-04 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 29 | Jun-04 | 4.5 | 12         | 2.48                    |    |        |     |            |                         |
| 30 | Jun-05 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 31 | Dec-05 | 4.5 | 2.5        | -1.62                   |    |        |     |            |                         |
| 32 | Feb-06 | 4.5 | 2          | -1.84                   |    |        |     |            |                         |
| 33 | Jun-06 | 4.5 | 2          | -1.84                   |    |        |     |            |                         |
| 34 | Nov-06 | 4.5 | 2          | -1.84                   |    |        |     |            |                         |
| 35 | Jun-07 | 4.5 | 6          | -0.11                   |    |        |     |            |                         |
| 36 | Nov-07 | 4.5 | 5          | -0.54                   |    |        |     |            |                         |
| 37 | Jun-08 | 4.5 | 2          | -1.84                   |    |        |     |            |                         |
| 38 | Nov-08 | 4.5 | 2          | -1.84                   |    |        |     |            |                         |
| 39 | Jun-09 | 4.5 | 1          | -2.27                   |    |        |     |            |                         |
| 40 | Nov-09 | 4.5 | 2          | -1.84                   |    |        |     |            |                         |
| 41 | Jun-10 | 4.5 | 2          | -1.84                   |    |        |     |            |                         |
| 42 | Nov-10 | 4.5 | 2          | -1.84                   |    |        |     |            |                         |
| 43 | Jun-11 | 4.5 | 2          | -1.84                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

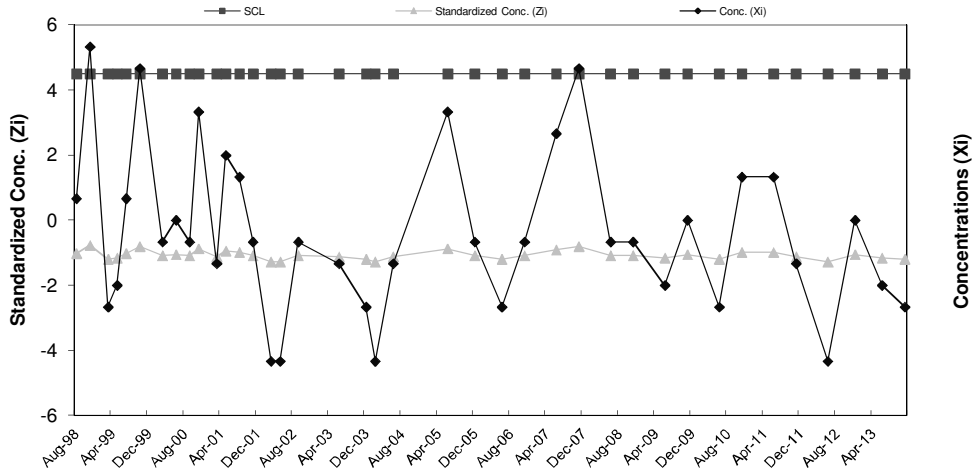


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault B - Nickel**

| Baseline Data |        |       |              |              |
|---------------|--------|-------|--------------|--------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev     |
| 1             | Jun-96 | 10    | <b>38.88</b> | <b>28.34</b> |
| 2             | Nov-96 | 20    |              |              |
| 3             | Feb-97 | 43    |              |              |
| 4             | May-97 | 45    |              |              |
| 5             | Aug-97 | 26    |              |              |
| 6             | Nov-97 | 96    |              |              |
| 7             | Feb-98 | 57    |              |              |
| 8             | May-98 | 14    |              |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Aug-98 | 4.5 | 10         | -1.02                   | 43 | Nov-11 | 4.5 | 7          | -1.12                   |
| 10 | Nov-98 | 4.5 | 17         | -0.77                   | 44 | Jun-12 | 4.5 | 2.5        | -1.28                   |
| 11 | Mar-99 | 4.5 | 5          | -1.20                   | 45 | Dec-12 | 4.5 | 9          | -1.05                   |
| 12 | May-99 | 4.5 | 6          | -1.16                   | 46 | Jun-13 | 4.5 | 6          | -1.16                   |
| 13 | Jul-99 | 4.5 | 10         | -1.02                   | 47 | Nov-13 | 4.5 | 5          | -1.20                   |
| 14 | Oct-99 | 4.5 | 16         | -0.81                   |    |        |     |            |                         |
| 15 | Mar-00 | 4.5 | 8          | -1.09                   |    |        |     |            |                         |
| 16 | Jun-00 | 4.5 | 9          | -1.05                   |    |        |     |            |                         |
| 17 | Sep-00 | 4.5 | 8          | -1.09                   |    |        |     |            |                         |
| 18 | Nov-00 | 4.5 | 14         | -0.88                   |    |        |     |            |                         |
| 19 | Mar-01 | 4.5 | 7          | -1.12                   |    |        |     |            |                         |
| 20 | May-01 | 4.5 | 12         | -0.95                   |    |        |     |            |                         |
| 21 | Aug-01 | 4.5 | 11         | -0.98                   |    |        |     |            |                         |
| 22 | Nov-01 | 4.5 | 8          | -1.09                   |    |        |     |            |                         |
| 23 | Mar-02 | 4.5 | 2.5        | -1.28                   |    |        |     |            |                         |
| 24 | May-02 | 4.5 | 2.5        | -1.28                   |    |        |     |            |                         |
| 25 | Sep-02 | 4.5 | 8          | -1.09                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 7          | -1.12                   |    |        |     |            |                         |
| 27 | Dec-03 | 4.5 | 5          | -1.20                   |    |        |     |            |                         |
| 28 | Feb-04 | 4.5 | 2.5        | -1.28                   |    |        |     |            |                         |
| 29 | Jun-04 | 4.5 | 7          | -1.12                   |    |        |     |            |                         |
| 30 | Jun-05 | 4.5 | 14         | -0.88                   |    |        |     |            |                         |
| 31 | Dec-05 | 4.5 | 8          | -1.09                   |    |        |     |            |                         |
| 32 | Jun-06 | 4.5 | 5          | -1.20                   |    |        |     |            |                         |
| 33 | Nov-06 | 4.5 | 8          | -1.09                   |    |        |     |            |                         |
| 34 | Jun-07 | 4.5 | 13         | -0.91                   |    |        |     |            |                         |
| 35 | Nov-07 | 4.5 | 16         | -0.81                   |    |        |     |            |                         |
| 36 | Jun-08 | 4.5 | 8          | -1.09                   |    |        |     |            |                         |
| 37 | Nov-08 | 4.5 | 8          | -1.09                   |    |        |     |            |                         |
| 38 | Jun-09 | 4.5 | 6          | -1.16                   |    |        |     |            |                         |
| 39 | Nov-09 | 4.5 | 9          | -1.05                   |    |        |     |            |                         |
| 40 | Jun-10 | 4.5 | 5          | -1.20                   |    |        |     |            |                         |
| 41 | Nov-10 | 4.5 | 11         | -0.98                   |    |        |     |            |                         |
| 42 | Jun-11 | 4.5 | 11         | -0.98                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

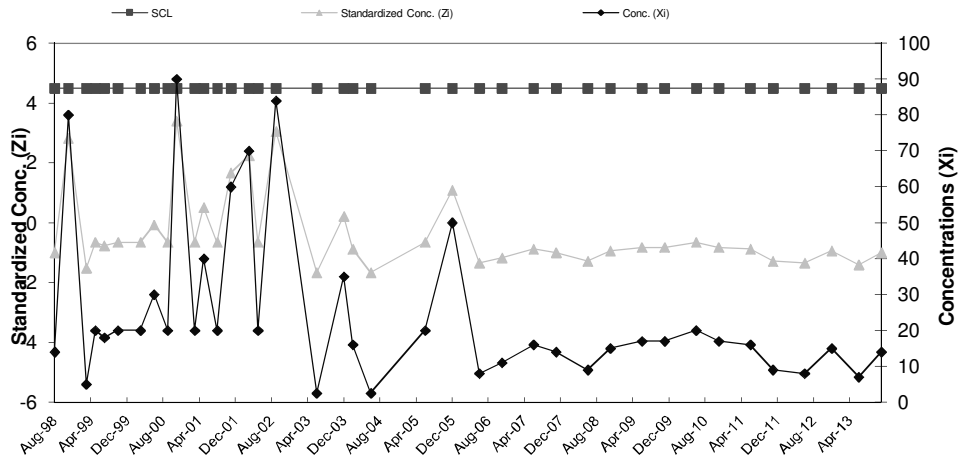


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault B - Zinc**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-96 | 10    | 31.25 | 17.27    |
| 2             | Nov-96 | 40    |       |          |
| 3             | Feb-97 | 20    |       |          |
| 4             | May-97 | 20    |       |          |
| 5             | Aug-97 | 60    |       |          |
| 6             | Nov-97 | 50    |       |          |
| 7             | Feb-98 | 20    |       |          |
| 8             | May-98 | 30    |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Aug-98 | 4.5 | 14         | -1.00                   | 43 | Nov-11 | 4.5 | 9          | -1.29                   |
| 10 | Nov-98 | 4.5 | 80         | 2.82                    | 44 | Jun-12 | 4.5 | 8          | -1.35                   |
| 11 | Mar-99 | 4.5 | 5          | -1.52                   | 45 | Dec-12 | 4.5 | 15         | -0.94                   |
| 12 | May-99 | 4.5 | 20         | -0.65                   | 46 | Jun-13 | 4.5 | 7          | -1.40                   |
| 13 | Jul-99 | 4.5 | 18         | -0.77                   | 47 | Nov-13 | 4.5 | 14         | -1.00                   |
| 14 | Oct-99 | 4.5 | 20         | -0.65                   |    |        |     |            |                         |
| 15 | Mar-00 | 4.5 | 20         | -0.65                   |    |        |     |            |                         |
| 16 | Jun-00 | 4.5 | 30         | -0.07                   |    |        |     |            |                         |
| 17 | Sep-00 | 4.5 | 20         | -0.65                   |    |        |     |            |                         |
| 18 | Nov-00 | 4.5 | 90         | 3.40                    |    |        |     |            |                         |
| 19 | Mar-01 | 4.5 | 20         | -0.65                   |    |        |     |            |                         |
| 20 | May-01 | 4.5 | 40         | 0.51                    |    |        |     |            |                         |
| 21 | Aug-01 | 4.5 | 20         | -0.65                   |    |        |     |            |                         |
| 22 | Nov-01 | 4.5 | 60         | 1.66                    |    |        |     |            |                         |
| 23 | Mar-02 | 4.5 | 70         | 2.24                    |    |        |     |            |                         |
| 24 | May-02 | 4.5 | 20         | -0.65                   |    |        |     |            |                         |
| 25 | Sep-02 | 4.5 | 84         | 3.05                    |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 2.5        | -1.66                   |    |        |     |            |                         |
| 27 | Dec-03 | 4.5 | 35         | 0.22                    |    |        |     |            |                         |
| 28 | Feb-04 | 4.5 | 16         | -0.88                   |    |        |     |            |                         |
| 29 | Jun-04 | 4.5 | 2.5        | -1.66                   |    |        |     |            |                         |
| 30 | Jun-05 | 4.5 | 20         | -0.65                   |    |        |     |            |                         |
| 31 | Dec-05 | 4.5 | 50         | 1.09                    |    |        |     |            |                         |
| 32 | Jun-06 | 4.5 | 8          | -1.35                   |    |        |     |            |                         |
| 33 | Nov-06 | 4.5 | 11         | -1.17                   |    |        |     |            |                         |
| 34 | Jun-07 | 4.5 | 16         | -0.88                   |    |        |     |            |                         |
| 35 | Nov-07 | 4.5 | 14         | -1.00                   |    |        |     |            |                         |
| 36 | Jun-08 | 4.5 | 9          | -1.29                   |    |        |     |            |                         |
| 37 | Nov-08 | 4.5 | 15         | -0.94                   |    |        |     |            |                         |
| 38 | Jun-09 | 4.5 | 17         | -0.83                   |    |        |     |            |                         |
| 39 | Nov-09 | 4.5 | 17         | -0.83                   |    |        |     |            |                         |
| 40 | Jun-10 | 4.5 | 20         | -0.65                   |    |        |     |            |                         |
| 41 | Nov-10 | 4.5 | 17         | -0.83                   |    |        |     |            |                         |
| 42 | Jun-11 | 4.5 | 16         | -0.88                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

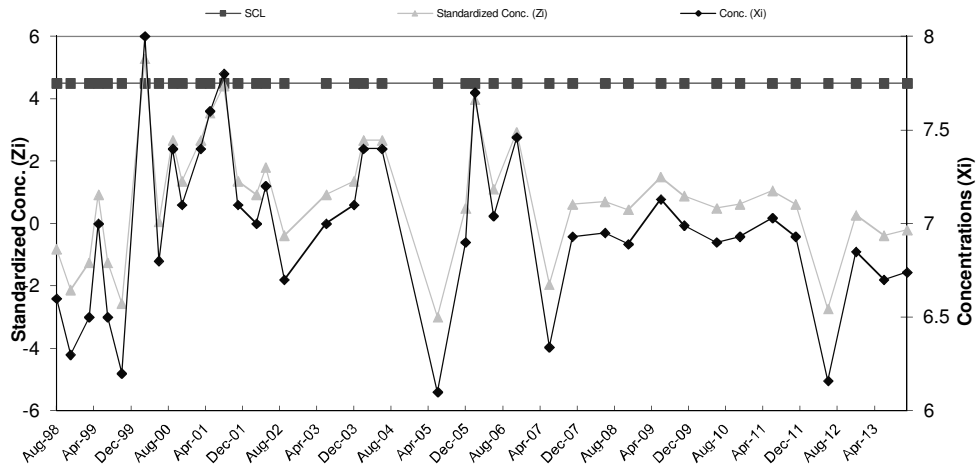


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault B - pH**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Jun-96 | 6.9   | <b>6.79</b> | <b>0.23</b> |
| 2             | Nov-96 | 7     |             |             |
| 3             | Feb-97 | 7.1   |             |             |
| 4             | May-97 | 6.5   |             |             |
| 5             | Aug-97 | 6.5   |             |             |
| 6             | Nov-97 | 6.8   |             |             |
| 7             | Feb-98 | 6.6   |             |             |
| 8             | May-98 | 6.9   |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Aug-98 | 4.5 | 6.6        | -0.82                   | 44 | Nov-11 | 4.5 | 6.9        | 0.62                    |
| 10 | Nov-98 | 4.5 | 6.3        | -2.12                   | 45 | Jun-12 | 4.5 | 6.16       | -2.73                   |
| 11 | Mar-99 | 4.5 | 6.5        | -1.25                   | 46 | Dec-12 | 4.5 | 6.85       | 0.27                    |
| 12 | May-99 | 4.5 | 7          | 0.93                    | 47 | Jun-13 | 4.5 | 6.7        | -0.38                   |
| 13 | Jul-99 | 4.5 | 6.5        | -1.25                   | 48 | Nov-13 | 4.5 | 6.74       | -0.21                   |
| 14 | Oct-99 | 4.5 | 6.2        | -2.56                   |    |        |     |            |                         |
| 15 | Mar-00 | 4.5 | 8          | 5.28                    |    |        |     |            |                         |
| 16 | Jun-00 | 4.5 | 6.8        | 0.05                    |    |        |     |            |                         |
| 17 | Sep-00 | 4.5 | 7.4        | 2.67                    |    |        |     |            |                         |
| 18 | Nov-00 | 4.5 | 7.1        | 1.36                    |    |        |     |            |                         |
| 19 | Mar-01 | 4.5 | 7.4        | 2.67                    |    |        |     |            |                         |
| 20 | May-01 | 4.5 | 7.6        | 3.54                    |    |        |     |            |                         |
| 21 | Aug-01 | 4.5 | 7.8        | 4.41                    |    |        |     |            |                         |
| 22 | Nov-01 | 4.5 | 7.1        | 1.36                    |    |        |     |            |                         |
| 23 | Mar-02 | 4.5 | 7          | 0.93                    |    |        |     |            |                         |
| 24 | May-02 | 4.5 | 7.2        | 1.80                    |    |        |     |            |                         |
| 25 | Sep-02 | 4.5 | 6.7        | -0.38                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 7          | 0.93                    |    |        |     |            |                         |
| 27 | Dec-03 | 4.5 | 7.1        | 1.36                    |    |        |     |            |                         |
| 28 | Feb-04 | 4.5 | 7.4        | 2.67                    |    |        |     |            |                         |
| 29 | Jun-04 | 4.5 | 7.4        | 2.67                    |    |        |     |            |                         |
| 30 | Jun-05 | 4.5 | 6.1        | -3.00                   |    |        |     |            |                         |
| 31 | Dec-05 | 4.5 | 6.9        | 0.49                    |    |        |     |            |                         |
| 32 | Feb-06 | 4.5 | 7.7        | 3.98                    |    |        |     |            |                         |
| 33 | Jun-06 | 4.5 | 7.0        | 1.10                    |    |        |     |            |                         |
| 34 | Nov-06 | 4.5 | 7.5        | 2.93                    |    |        |     |            |                         |
| 35 | Jun-07 | 4.5 | 6.3        | -1.95                   |    |        |     |            |                         |
| 36 | Nov-07 | 4.5 | 6.9        | 0.62                    |    |        |     |            |                         |
| 37 | Jun-08 | 4.5 | 7.0        | 0.71                    |    |        |     |            |                         |
| 38 | Nov-08 | 4.5 | 6.9        | 0.45                    |    |        |     |            |                         |
| 39 | Jun-09 | 4.5 | 7.1        | 1.49                    |    |        |     |            |                         |
| 40 | Nov-09 | 4.5 | 7.0        | 0.88                    |    |        |     |            |                         |
| 41 | Jun-10 | 4.5 | 6.9        | 0.49                    |    |        |     |            |                         |
| 42 | Nov-10 | 4.5 | 6.9        | 0.62                    |    |        |     |            |                         |
| 43 | Jun-11 | 4.5 | 7.0        | 1.06                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

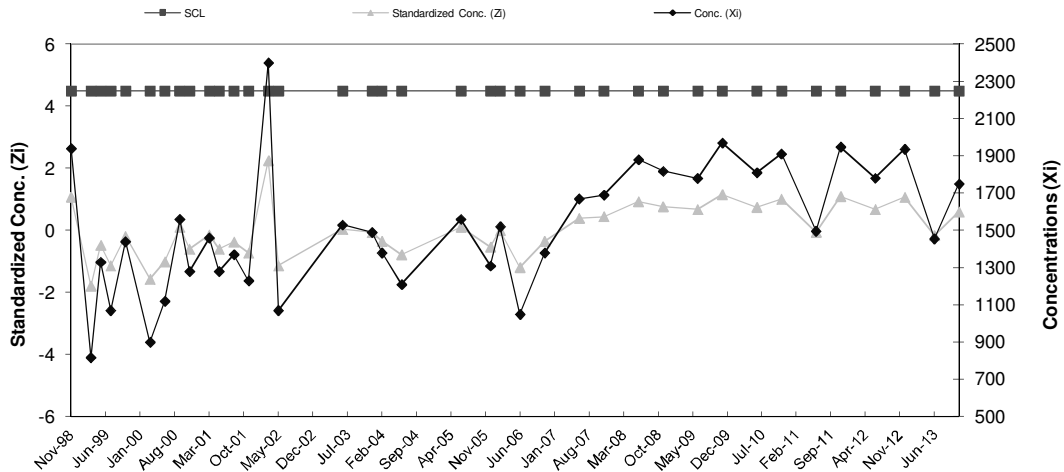


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault B - SpC**

| Baseline Data |        |       |          |          |
|---------------|--------|-------|----------|----------|
| Ti            | Date   | Conc. | Mean     | Std. Dev |
| 1             | Jun-96 | 1900  | 1,516.63 | 391.89   |
| 2             | Nov-96 | 1600  |          |          |
| 3             | Feb-97 | 1590  |          |          |
| 4             | May-97 | 1930  |          |          |
| 5             | Aug-97 | 663   |          |          |
| 6             | Nov-97 | 1400  |          |          |
| 7             | Feb-98 | 1560  |          |          |
| 8             | May-98 | 1490  |          |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Nov-98 | 4.5 | 1940       | 1.08                    | 42 | Nov-11 | 4.5 | 1948       | 1.10                    |
| 10 | Mar-99 | 4.5 | 817        | -1.79                   | 43 | Jun-12 | 4.5 | 1781       | 0.67                    |
| 11 | May-99 | 4.5 | 1330       | -0.48                   | 44 | Dec-12 | 4.5 | 1936       | 1.07                    |
| 12 | Jul-99 | 4.5 | 1070       | -1.14                   | 45 | Jun-13 | 4.5 | 1455       | -0.16                   |
| 13 | Oct-99 | 4.5 | 1440       | -0.20                   | 46 | Nov-13 | 4.5 | 1750       | 0.60                    |
| 14 | Mar-00 | 4.5 | 900        | -1.57                   |    |        |     |            |                         |
| 15 | Jun-00 | 4.5 | 1120       | -1.01                   |    |        |     |            |                         |
| 16 | Sep-00 | 4.5 | 1560       | 0.11                    |    |        |     |            |                         |
| 17 | Nov-00 | 4.5 | 1280       | -0.60                   |    |        |     |            |                         |
| 18 | Mar-01 | 4.5 | 1460       | -0.14                   |    |        |     |            |                         |
| 19 | May-01 | 4.5 | 1280       | -0.60                   |    |        |     |            |                         |
| 20 | Aug-01 | 4.5 | 1370       | -0.37                   |    |        |     |            |                         |
| 21 | Nov-01 | 4.5 | 1230       | -0.73                   |    |        |     |            |                         |
| 22 | Mar-02 | 4.5 | 2400       | 2.25                    |    |        |     |            |                         |
| 23 | May-02 | 4.5 | 1070       | -1.14                   |    |        |     |            |                         |
| 24 | Jun-03 | 4.5 | 1530       | 0.03                    |    |        |     |            |                         |
| 25 | Dec-03 | 4.5 | 1490       | -0.07                   |    |        |     |            |                         |
| 26 | Feb-04 | 4.5 | 1380       | -0.35                   |    |        |     |            |                         |
| 27 | Jun-04 | 4.5 | 1210       | -0.78                   |    |        |     |            |                         |
| 28 | Jun-05 | 4.5 | 1560       | 0.11                    |    |        |     |            |                         |
| 29 | Dec-05 | 4.5 | 1310       | -0.53                   |    |        |     |            |                         |
| 30 | Feb-06 | 4.5 | 1520       | 0.01                    |    |        |     |            |                         |
| 31 | Jun-06 | 4.5 | 1050       | -1.19                   |    |        |     |            |                         |
| 32 | Nov-06 | 4.5 | 1380       | -0.35                   |    |        |     |            |                         |
| 33 | Jun-07 | 4.5 | 1670       | 0.39                    |    |        |     |            |                         |
| 34 | Nov-07 | 4.5 | 1690       | 0.44                    |    |        |     |            |                         |
| 35 | Jun-08 | 4.5 | 1880       | 0.93                    |    |        |     |            |                         |
| 36 | Nov-08 | 4.5 | 1818       | 0.77                    |    |        |     |            |                         |
| 37 | Jun-09 | 4.5 | 1780       | 0.67                    |    |        |     |            |                         |
| 38 | Nov-09 | 4.5 | 1970       | 1.16                    |    |        |     |            |                         |
| 39 | Jun-10 | 4.5 | 1810       | 0.75                    |    |        |     |            |                         |
| 40 | Nov-10 | 4.5 | 1911       | 1.01                    |    |        |     |            |                         |
| 41 | Jun-11 | 4.5 | 1496       | -0.05                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

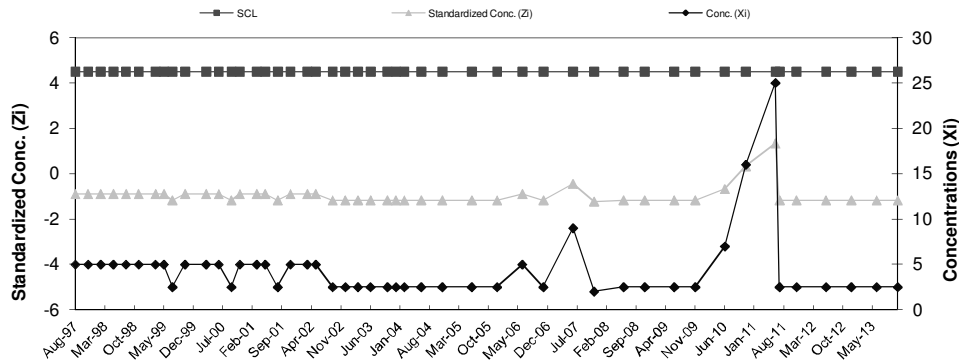


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault C - Chromium**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 25    | 13.00 | 8.98     |
| 2             | Aug-95 | 10    |       |          |
| 3             | Nov-95 | 29    |       |          |
| 4             | Jun-96 | 10    |       |          |
| 5             | Aug-96 | 10    |       |          |
| 6             | Nov-96 | 10    |       |          |
| 7             | Feb-97 | 5     |       |          |
| 8             | May-97 | 5     |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Aug-97 | 4.5 | 5          | -0.89                   | 53 | Nov-11 | 4.5 | 2.5        | -1.17                   |
| 10 | Nov-97 | 4.5 | 5          | -0.89                   | 54 | Jun-12 | 4.5 | 2.5        | -1.17                   |
| 11 | Feb-98 | 4.5 | 5          | -0.89                   | 55 | Dec-12 | 4.5 | 2.5        | -1.17                   |
| 12 | May-98 | 4.5 | 5          | -0.89                   | 56 | Jun-13 | 4.5 | 2.5        | -1.17                   |
| 14 | Aug-98 | 4.5 | 5          | -0.89                   | 57 | Nov-13 | 4.5 | 2.5        | -1.17                   |
| 15 | Nov-98 | 4.5 | 5          | -0.89                   |    |        |     |            |                         |
| 16 | Mar-99 | 4.5 | 5          | -0.89                   |    |        |     |            |                         |
| 17 | May-99 | 4.5 | 5          | -0.89                   |    |        |     |            |                         |
| 18 | Jul-99 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 19 | Oct-99 | 4.5 | 5          | -0.89                   |    |        |     |            |                         |
| 20 | Mar-00 | 4.5 | 5          | -0.89                   |    |        |     |            |                         |
| 21 | Jun-00 | 4.5 | 5          | -0.89                   |    |        |     |            |                         |
| 22 | Sep-00 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 23 | Nov-00 | 4.5 | 5          | -0.89                   |    |        |     |            |                         |
| 24 | Mar-01 | 4.5 | 5          | -0.89                   |    |        |     |            |                         |
| 25 | May-01 | 4.5 | 5          | -0.89                   |    |        |     |            |                         |
| 26 | Aug-01 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 27 | Nov-01 | 4.5 | 5          | -0.89                   |    |        |     |            |                         |
| 28 | Mar-02 | 4.5 | 5          | -0.89                   |    |        |     |            |                         |
| 29 | May-02 | 4.5 | 5          | -0.89                   |    |        |     |            |                         |
| 30 | Sep-02 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 31 | Dec-02 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 32 | Mar-03 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 33 | Jun-03 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 34 | Oct-03 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 35 | Dec-03 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 36 | Feb-04 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 37 | Jun-04 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 38 | Nov-04 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 39 | Jun-05 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 40 | Dec-05 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 41 | Jun-06 | 4.5 | 5          | -0.89                   |    |        |     |            |                         |
| 42 | Nov-06 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 43 | Jun-07 | 4.5 | 9          | -0.45                   |    |        |     |            |                         |
| 44 | Nov-07 | 4.5 | 2          | -1.23                   |    |        |     |            |                         |
| 45 | Jun-08 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 46 | Nov-08 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 47 | Jun-09 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 48 | Nov-09 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |
| 49 | Jun-10 | 4.5 | 7          | -0.67                   |    |        |     |            |                         |
| 50 | Nov-10 | 4.5 | 16         | 0.33                    |    |        |     |            |                         |
| 51 | Jun-11 | 4.5 | 25         | 1.34                    |    |        |     |            |                         |
| 52 | Jul-11 | 4.5 | 2.5        | -1.17                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

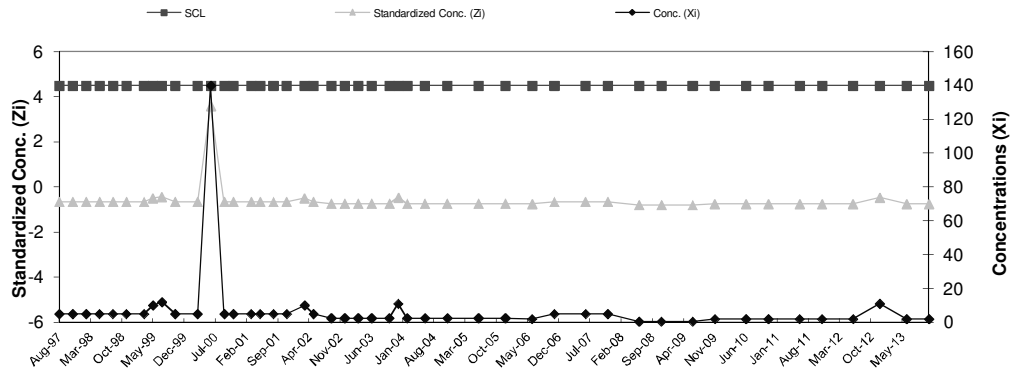


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault C - Copper**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 25    | 25.88 | 31.76    |
| 2             | Aug-95 | 10    |       |          |
| 3             | Nov-95 | 37    |       |          |
| 4             | Jun-96 | 10    |       |          |
| 5             | Aug-96 | 10    |       |          |
| 6             | Nov-96 | 10    |       |          |
| 7             | Feb-97 | 5     |       |          |
| 8             | May-97 | 100   |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Aug-97 | 4.5 | 5          | -0.66                   | 52 | Nov-11 | 4.5 | 2          | -0.75                   |
| 10 | Nov-97 | 4.5 | 5          | -0.66                   | 53 | Jun-12 | 4.5 | 2          | -0.75                   |
| 11 | Feb-98 | 4.5 | 5          | -0.66                   | 54 | Dec-12 | 4.5 | 11         | -0.47                   |
| 12 | May-98 | 4.5 | 5          | -0.66                   | 55 | Jun-13 | 4.5 | 2          | -0.75                   |
| 14 | Aug-98 | 4.5 | 5          | -0.66                   | 56 | Nov-13 | 4.5 | 2          | -0.75                   |
| 15 | Nov-98 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 16 | Mar-99 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 17 | May-99 | 4.5 | 10         | -0.50                   |    |        |     |            |                         |
| 18 | Jul-99 | 4.5 | 12         | -0.44                   |    |        |     |            |                         |
| 19 | Oct-99 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 20 | Mar-00 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 21 | Jun-00 | 4.5 | 140        | 3.59                    |    |        |     |            |                         |
| 22 | Sep-00 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 23 | Nov-00 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 24 | Mar-01 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 25 | May-01 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 26 | Aug-01 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 27 | Nov-01 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 28 | Mar-02 | 4.5 | 10         | -0.50                   |    |        |     |            |                         |
| 29 | May-02 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 30 | Sep-02 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 31 | Dec-02 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 32 | Mar-03 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 33 | Jun-03 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 34 | Oct-03 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 35 | Dec-03 | 4.5 | 11         | -0.47                   |    |        |     |            |                         |
| 36 | Feb-04 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 37 | Jun-04 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 38 | Nov-04 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 39 | Jun-05 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 40 | Dec-05 | 4.5 | 2.5        | -0.74                   |    |        |     |            |                         |
| 41 | Jun-06 | 4.5 | 2          | -0.75                   |    |        |     |            |                         |
| 42 | Nov-06 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 43 | Jun-07 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 44 | Nov-07 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 45 | Jun-08 | 4.5 | 0.5        | -0.80                   |    |        |     |            |                         |
| 46 | Nov-08 | 4.5 | 0.5        | -0.80                   |    |        |     |            |                         |
| 47 | Jun-09 | 4.5 | 0.5        | -0.80                   |    |        |     |            |                         |
| 48 | Nov-09 | 4.5 | 2          | -0.75                   |    |        |     |            |                         |
| 49 | Jun-10 | 4.5 | 2          | -0.75                   |    |        |     |            |                         |
| 50 | Nov-10 | 4.5 | 2          | -0.75                   |    |        |     |            |                         |
| 51 | Jun-11 | 4.5 | 2          | -0.75                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Stewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

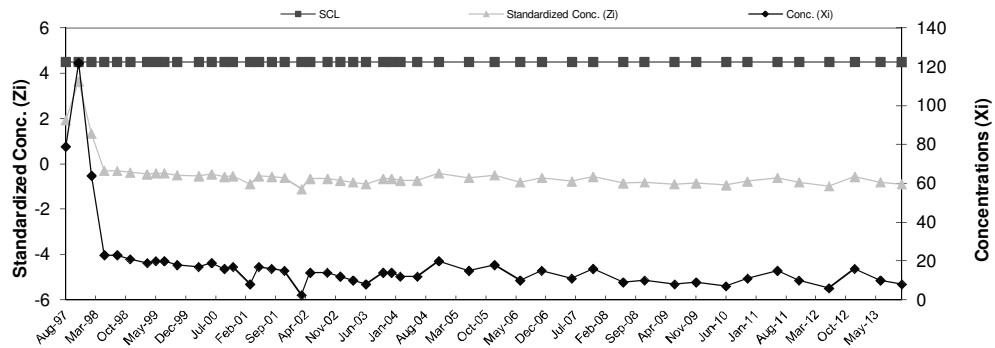


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault C - Nickel**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 15    | 30.38 | 25.11    |
| 2             | Aug-95 | 20    |       |          |
| 3             | Nov-95 | 67    |       |          |
| 4             | Jun-96 | 10    |       |          |
| 5             | Aug-96 | 10    |       |          |
| 6             | Nov-96 | 10    |       |          |
| 7             | Feb-97 | 45    |       |          |
| 8             | May-97 | 66    |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Aug-97 | 4.5 | 79         | 1.94                    | 52 | Nov-11 | 4.5 | 10         | -0.81                   |
| 10 | Nov-97 | 4.5 | 122        | 3.65                    | 53 | Jun-12 | 4.5 | 6          | -0.97                   |
| 11 | Feb-98 | 4.5 | 64         | 1.34                    | 54 | Dec-12 | 4.5 | 16         | -0.57                   |
| 12 | May-98 | 4.5 | 23         | -0.29                   | 55 | Jun-13 | 4.5 | 10         | -0.81                   |
| 14 | Aug-98 | 4.5 | 23         | -0.29                   | 56 | Nov-13 | 4.5 | 8          | -0.89                   |
| 15 | Nov-98 | 4.5 | 21         | -0.37                   |    |        |     |            |                         |
| 16 | Mar-99 | 4.5 | 19         | -0.45                   |    |        |     |            |                         |
| 17 | May-99 | 4.5 | 20         | -0.41                   |    |        |     |            |                         |
| 18 | Jul-99 | 4.5 | 20         | -0.41                   |    |        |     |            |                         |
| 19 | Oct-99 | 4.5 | 18         | -0.49                   |    |        |     |            |                         |
| 20 | Mar-00 | 4.5 | 17         | -0.53                   |    |        |     |            |                         |
| 21 | Jun-00 | 4.5 | 19         | -0.45                   |    |        |     |            |                         |
| 22 | Sep-00 | 4.5 | 16         | -0.57                   |    |        |     |            |                         |
| 23 | Nov-00 | 4.5 | 17         | -0.53                   |    |        |     |            |                         |
| 24 | Mar-01 | 4.5 | 8          | -0.89                   |    |        |     |            |                         |
| 25 | May-01 | 4.5 | 17         | -0.53                   |    |        |     |            |                         |
| 26 | Aug-01 | 4.5 | 16         | -0.57                   |    |        |     |            |                         |
| 27 | Nov-01 | 4.5 | 15         | -0.61                   |    |        |     |            |                         |
| 28 | Mar-02 | 4.5 | 2.5        | -1.11                   |    |        |     |            |                         |
| 29 | May-02 | 4.5 | 14         | -0.65                   |    |        |     |            |                         |
| 30 | Sep-02 | 4.5 | 14         | -0.65                   |    |        |     |            |                         |
| 31 | Dec-02 | 4.5 | 12         | -0.73                   |    |        |     |            |                         |
| 32 | Mar-03 | 4.5 | 10         | -0.81                   |    |        |     |            |                         |
| 33 | Jun-03 | 4.5 | 8          | -0.89                   |    |        |     |            |                         |
| 34 | Oct-03 | 4.5 | 14         | -0.65                   |    |        |     |            |                         |
| 35 | Dec-03 | 4.5 | 14         | -0.65                   |    |        |     |            |                         |
| 36 | Feb-04 | 4.5 | 12         | -0.73                   |    |        |     |            |                         |
| 37 | Jun-04 | 4.5 | 12         | -0.73                   |    |        |     |            |                         |
| 38 | Nov-04 | 4.5 | 20         | -0.41                   |    |        |     |            |                         |
| 39 | Jun-05 | 4.5 | 15         | -0.61                   |    |        |     |            |                         |
| 40 | Dec-05 | 4.5 | 18         | -0.49                   |    |        |     |            |                         |
| 41 | Jun-06 | 4.5 | 10         | -0.81                   |    |        |     |            |                         |
| 42 | Nov-06 | 4.5 | 15         | -0.61                   |    |        |     |            |                         |
| 43 | Jun-07 | 4.5 | 11         | -0.77                   |    |        |     |            |                         |
| 44 | Nov-07 | 4.5 | 16         | -0.57                   |    |        |     |            |                         |
| 45 | Jun-08 | 4.5 | 9          | -0.85                   |    |        |     |            |                         |
| 46 | Nov-08 | 4.5 | 10         | -0.81                   |    |        |     |            |                         |
| 47 | Jun-09 | 4.5 | 8          | -0.89                   |    |        |     |            |                         |
| 48 | Nov-09 | 4.5 | 9          | -0.85                   |    |        |     |            |                         |
| 49 | Jun-10 | 4.5 | 7          | -0.93                   |    |        |     |            |                         |
| 50 | Nov-10 | 4.5 | 11         | -0.77                   |    |        |     |            |                         |
| 51 | Jun-11 | 4.5 | 15         | -0.61                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Stewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

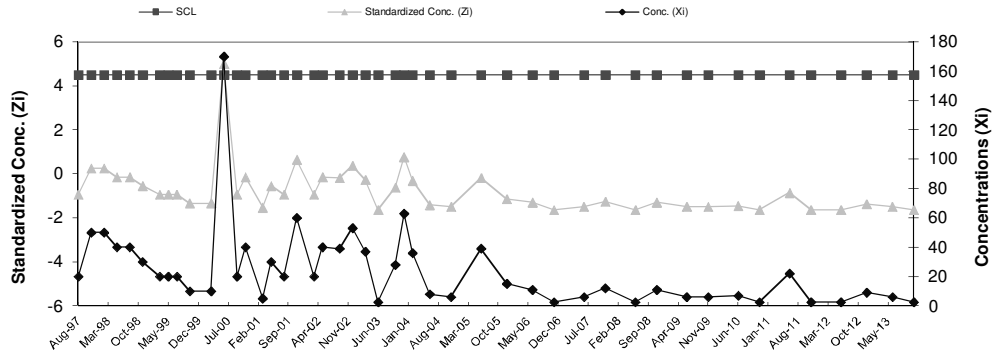


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault C - Zinc**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 60    | 43.75 | 25.24    |
| 2             | Aug-95 | 74    |       |          |
| 3             | Nov-95 | 36    |       |          |
| 4             | Jun-96 | 10    |       |          |
| 5             | Aug-96 | 40    |       |          |
| 6             | Nov-96 | 80    |       |          |
| 7             | Feb-97 | 30    |       |          |
| 8             | May-97 | 20    |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Aug-97 | 4.5 | 20         | -0.94                   | 52 | Nov-11 | 4.5 | 2.5        | -1.63                   |
| 10 | Nov-97 | 4.5 | 50         | 0.25                    | 53 | Jun-12 | 4.5 | 2.5        | -1.63                   |
| 11 | Feb-98 | 4.5 | 50         | 0.25                    | 54 | Dec-12 | 4.5 | 9          | -1.38                   |
| 12 | May-98 | 4.5 | 40         | -0.15                   | 55 | Jun-13 | 4.5 | 6          | -1.50                   |
| 14 | Aug-98 | 4.5 | 40         | -0.15                   | 56 | Nov-13 | 4.5 | 2.5        | -1.63                   |
| 15 | Nov-98 | 4.5 | 30         | -0.54                   |    |        |     |            |                         |
| 16 | Mar-99 | 4.5 | 20         | -0.94                   |    |        |     |            |                         |
| 17 | May-99 | 4.5 | 20         | -0.94                   |    |        |     |            |                         |
| 18 | Jul-99 | 4.5 | 20         | -0.94                   |    |        |     |            |                         |
| 19 | Oct-99 | 4.5 | 10         | -1.34                   |    |        |     |            |                         |
| 20 | Mar-00 | 4.5 | 10         | -1.34                   |    |        |     |            |                         |
| 21 | Jun-00 | 4.5 | 170        | 5.00                    |    |        |     |            |                         |
| 22 | Sep-00 | 4.5 | 20         | -0.94                   |    |        |     |            |                         |
| 23 | Nov-00 | 4.5 | 40         | -0.15                   |    |        |     |            |                         |
| 24 | Mar-01 | 4.5 | 5          | -1.54                   |    |        |     |            |                         |
| 25 | May-01 | 4.5 | 30         | -0.54                   |    |        |     |            |                         |
| 26 | Aug-01 | 4.5 | 20         | -0.94                   |    |        |     |            |                         |
| 27 | Nov-01 | 4.5 | 60         | 0.64                    |    |        |     |            |                         |
| 28 | Mar-02 | 4.5 | 20         | -0.94                   |    |        |     |            |                         |
| 29 | May-02 | 4.5 | 40         | -0.15                   |    |        |     |            |                         |
| 30 | Sep-02 | 4.5 | 39         | -0.19                   |    |        |     |            |                         |
| 31 | Dec-02 | 4.5 | 53         | 0.37                    |    |        |     |            |                         |
| 32 | Mar-03 | 4.5 | 37         | -0.27                   |    |        |     |            |                         |
| 33 | Jun-03 | 4.5 | 2.5        | -1.63                   |    |        |     |            |                         |
| 34 | Oct-03 | 4.5 | 28         | -0.62                   |    |        |     |            |                         |
| 35 | Dec-03 | 4.5 | 63         | 0.76                    |    |        |     |            |                         |
| 36 | Feb-04 | 4.5 | 36         | -0.31                   |    |        |     |            |                         |
| 37 | Jun-04 | 4.5 | 8          | -1.42                   |    |        |     |            |                         |
| 38 | Nov-04 | 4.5 | 6          | -1.50                   |    |        |     |            |                         |
| 39 | Jun-05 | 4.5 | 39         | -0.19                   |    |        |     |            |                         |
| 40 | Dec-05 | 4.5 | 15         | -1.14                   |    |        |     |            |                         |
| 41 | Jun-06 | 4.5 | 11         | -1.30                   |    |        |     |            |                         |
| 42 | Nov-06 | 4.5 | 2.5        | -1.63                   |    |        |     |            |                         |
| 43 | Jun-07 | 4.5 | 6          | -1.50                   |    |        |     |            |                         |
| 44 | Nov-07 | 4.5 | 12         | -1.26                   |    |        |     |            |                         |
| 45 | Jun-08 | 4.5 | 2.5        | -1.63                   |    |        |     |            |                         |
| 46 | Nov-08 | 4.5 | 11         | -1.30                   |    |        |     |            |                         |
| 47 | Jun-09 | 4.5 | 6          | -1.50                   |    |        |     |            |                         |
| 48 | Nov-09 | 4.5 | 6          | -1.50                   |    |        |     |            |                         |
| 49 | Jun-10 | 4.5 | 7          | -1.46                   |    |        |     |            |                         |
| 50 | Nov-10 | 4.5 | 2.5        | -1.63                   |    |        |     |            |                         |
| 51 | Jun-11 | 4.5 | 22         | -0.86                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

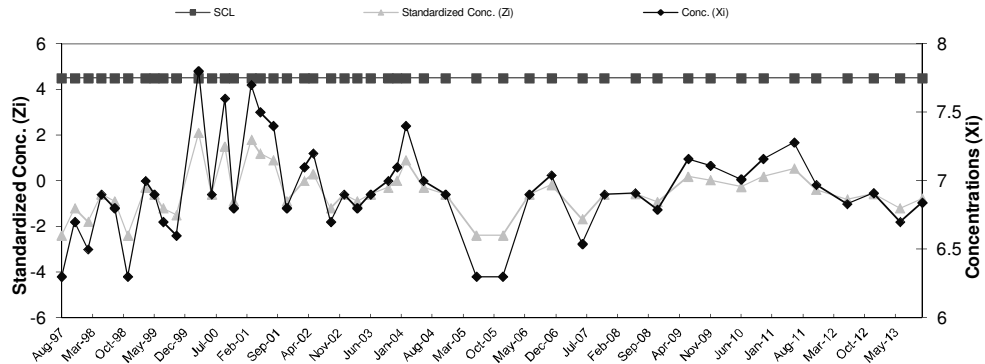


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault C - pH**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 7.4   | 7.10 | 0.33     |
| 2             | Aug-95 | 7.4   |      |          |
| 3             | Nov-95 | 7     |      |          |
| 4             | Jun-96 | 6.9   |      |          |
| 5             | Aug-96 | 6.9   |      |          |
| 6             | Nov-96 | 7     |      |          |
| 7             | Feb-97 | 7.6   |      |          |
| 8             | May-97 | 6.6   |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Aug-97 | 4.5 | 6.3        | -2.40                   | 52 | Nov-11 | 4.5 | 7.0        | -0.39                   |
| 10 | Nov-97 | 4.5 | 6.7        | -1.20                   | 53 | Jun-12 | 4.5 | 6.83       | -0.81                   |
| 11 | Feb-98 | 4.5 | 6.5        | -1.80                   | 54 | Dec-12 | 4.5 | 6.91       | -0.57                   |
| 12 | May-98 | 4.5 | 6.9        | -0.60                   | 55 | Jun-13 | 4.5 | 6.7        | -1.20                   |
| 14 | Aug-98 | 4.5 | 6.8        | -0.90                   | 56 | Nov-13 | 4.5 | 6.84       | -0.78                   |
| 15 | Nov-98 | 4.5 | 6.3        | -2.40                   |    |        |     |            |                         |
| 16 | Mar-99 | 4.5 | 7          | -0.30                   |    |        |     |            |                         |
| 17 | May-99 | 4.5 | 6.9        | -0.60                   |    |        |     |            |                         |
| 18 | Jul-99 | 4.5 | 6.7        | -1.20                   |    |        |     |            |                         |
| 19 | Oct-99 | 4.5 | 6.6        | -1.50                   |    |        |     |            |                         |
| 20 | Mar-00 | 4.5 | 7.8        | 2.10                    |    |        |     |            |                         |
| 21 | Jun-00 | 4.5 | 6.9        | -0.60                   |    |        |     |            |                         |
| 22 | Sep-00 | 4.5 | 7.6        | 1.50                    |    |        |     |            |                         |
| 23 | Nov-00 | 4.5 | 6.8        | -0.90                   |    |        |     |            |                         |
| 24 | Mar-01 | 4.5 | 7.7        | 1.80                    |    |        |     |            |                         |
| 25 | May-01 | 4.5 | 7.5        | 1.20                    |    |        |     |            |                         |
| 26 | Aug-01 | 4.5 | 7.4        | 0.90                    |    |        |     |            |                         |
| 27 | Nov-01 | 4.5 | 6.8        | -0.90                   |    |        |     |            |                         |
| 28 | Mar-02 | 4.5 | 7.1        | 0.00                    |    |        |     |            |                         |
| 29 | May-02 | 4.5 | 7.2        | 0.30                    |    |        |     |            |                         |
| 30 | Sep-02 | 4.5 | 6.7        | -1.20                   |    |        |     |            |                         |
| 31 | Dec-02 | 4.5 | 6.9        | -0.60                   |    |        |     |            |                         |
| 32 | Mar-03 | 4.5 | 6.8        | -0.90                   |    |        |     |            |                         |
| 33 | Jun-03 | 4.5 | 6.9        | -0.60                   |    |        |     |            |                         |
| 34 | Oct-03 | 4.5 | 7          | -0.30                   |    |        |     |            |                         |
| 35 | Dec-03 | 4.5 | 7.1        | 0.00                    |    |        |     |            |                         |
| 36 | Feb-04 | 4.5 | 7.4        | 0.90                    |    |        |     |            |                         |
| 37 | Jun-04 | 4.5 | 7          | -0.30                   |    |        |     |            |                         |
| 38 | Nov-04 | 4.5 | 6.9        | -0.60                   |    |        |     |            |                         |
| 39 | Jun-05 | 4.5 | 6.3        | -2.40                   |    |        |     |            |                         |
| 40 | Dec-05 | 4.5 | 6.3        | -2.40                   |    |        |     |            |                         |
| 41 | Jun-06 | 4.5 | 6.9        | -0.60                   |    |        |     |            |                         |
| 42 | Nov-06 | 4.5 | 7.0        | -0.18                   |    |        |     |            |                         |
| 43 | Jun-07 | 4.5 | 6.5        | -1.68                   |    |        |     |            |                         |
| 44 | Nov-07 | 4.5 | 6.9        | -0.60                   |    |        |     |            |                         |
| 45 | Jun-08 | 4.5 | 6.9        | -0.57                   |    |        |     |            |                         |
| 46 | Nov-08 | 4.5 | 6.8        | -0.93                   |    |        |     |            |                         |
| 47 | Jun-09 | 4.5 | 7.2        | 0.18                    |    |        |     |            |                         |
| 48 | Nov-09 | 4.5 | 7.1        | 0.03                    |    |        |     |            |                         |
| 49 | Jun-10 | 4.5 | 7.0        | -0.27                   |    |        |     |            |                         |
| 50 | Nov-10 | 4.5 | 7.2        | 0.18                    |    |        |     |            |                         |
| 51 | Jun-11 | 4.5 | 7.3        | 0.54                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Stewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

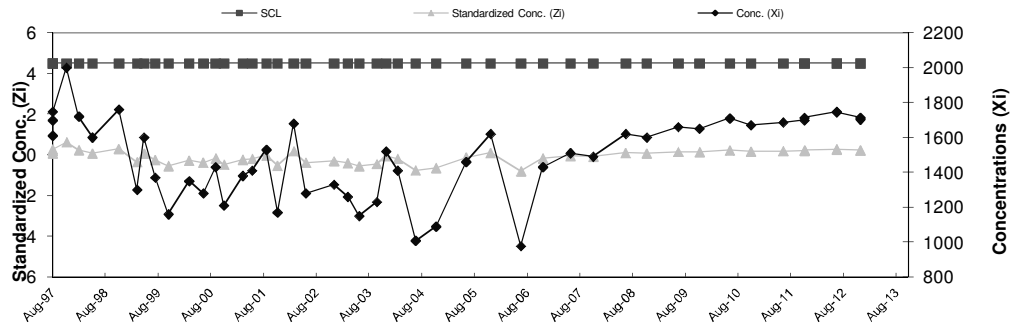


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault C - SpC**

| Baseline Data |        |       |          |          |
|---------------|--------|-------|----------|----------|
| Ti            | Date   | Conc. | Mean     | Std. Dev |
| 1             | Jun-95 | 530   | 1,551.25 | 716.19   |
| 2             | Aug-95 | 340   |          |          |
| 3             | Nov-95 | 2200  |          |          |
| 4             | Jun-96 | 2000  |          |          |
| 5             | Aug-96 | 1900  |          |          |
| 6             | Nov-96 | 2100  |          |          |
| 7             | Feb-97 | 1610  |          |          |
| 8             | May-97 | 1730  |          |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | Aug-97 | 4.5 | 1610       | 0.08                    | 52 | Nov-11 | 4.5 | 1699       | 0.21                    |
| 10 | Nov-97 | 4.5 | 2000       | 0.63                    | 53 | Jun-12 | 4.5 | 1748       | 0.27                    |
| 11 | Feb-98 | 4.5 | 1720       | 0.24                    | 54 | Dec-12 | 4.5 | 1713       | 0.23                    |
| 12 | May-98 | 4.5 | 1600       | 0.07                    | 55 | Jun-13 | 4.5 | 1744       | 0.27                    |
| 14 | Nov-98 | 4.5 | 1760       | 0.29                    | 56 | Nov-13 | 4.5 | 1703       | 0.21                    |
| 15 | Mar-99 | 4.5 | 1300       | -0.35                   |    |        |     |            |                         |
| 16 | May-99 | 4.5 | 1600       | 0.07                    |    |        |     |            |                         |
| 17 | Jul-99 | 4.5 | 1370       | -0.25                   |    |        |     |            |                         |
| 18 | Oct-99 | 4.5 | 1160       | -0.55                   |    |        |     |            |                         |
| 19 | Mar-00 | 4.5 | 1350       | -0.28                   |    |        |     |            |                         |
| 20 | Jun-00 | 4.5 | 1280       | -0.38                   |    |        |     |            |                         |
| 21 | Sep-00 | 4.5 | 1430       | -0.17                   |    |        |     |            |                         |
| 22 | Nov-00 | 4.5 | 1210       | -0.48                   |    |        |     |            |                         |
| 23 | Mar-01 | 4.5 | 1380       | -0.24                   |    |        |     |            |                         |
| 24 | May-01 | 4.5 | 1410       | -0.20                   |    |        |     |            |                         |
| 25 | Aug-01 | 4.5 | 1530       | -0.03                   |    |        |     |            |                         |
| 26 | Nov-01 | 4.5 | 1170       | -0.53                   |    |        |     |            |                         |
| 27 | Mar-02 | 4.5 | 1680       | 0.18                    |    |        |     |            |                         |
| 28 | May-02 | 4.5 | 1280       | -0.38                   |    |        |     |            |                         |
| 29 | Dec-02 | 4.5 | 1330       | -0.31                   |    |        |     |            |                         |
| 30 | Mar-03 | 4.5 | 1260       | -0.41                   |    |        |     |            |                         |
| 31 | Jun-03 | 4.5 | 1150       | -0.56                   |    |        |     |            |                         |
| 32 | Oct-03 | 4.5 | 1230       | -0.45                   |    |        |     |            |                         |
| 33 | Dec-03 | 4.5 | 1520       | -0.04                   |    |        |     |            |                         |
| 34 | Feb-04 | 4.5 | 1410       | -0.20                   |    |        |     |            |                         |
| 35 | Jun-04 | 4.5 | 1008       | -0.76                   |    |        |     |            |                         |
| 36 | Nov-04 | 4.5 | 1090       | -0.64                   |    |        |     |            |                         |
| 37 | Jun-05 | 4.5 | 1460       | -0.13                   |    |        |     |            |                         |
| 38 | Dec-05 | 4.5 | 1620       | 0.10                    |    |        |     |            |                         |
| 39 | Jun-06 | 4.5 | 977        | -0.80                   |    |        |     |            |                         |
| 40 | Nov-06 | 4.5 | 1430       | -0.17                   |    |        |     |            |                         |
| 41 | Jun-07 | 4.5 | 1510       | -0.06                   |    |        |     |            |                         |
| 42 | Nov-07 | 4.5 | 1490       | -0.09                   |    |        |     |            |                         |
| 43 | Jun-08 | 4.5 | 1620       | 0.10                    |    |        |     |            |                         |
| 44 | Nov-08 | 4.5 | 1600       | 0.07                    |    |        |     |            |                         |
| 45 | Jun-09 | 4.5 | 1660       | 0.15                    |    |        |     |            |                         |
| 46 | Nov-09 | 4.5 | 1650       | 0.14                    |    |        |     |            |                         |
| 47 | Jun-10 | 4.5 | 1710       | 0.22                    |    |        |     |            |                         |
| 50 | Nov-10 | 4.5 | 1670       | 0.17                    |    |        |     |            |                         |
| 51 | Jun-11 | 4.5 | 1686       | 0.19                    |    |        |     |            |                         |
| 52 | Nov-11 | 4.5 | 1699       | 0.21                    |    |        |     |            |                         |
| 53 | Jun-12 | 4.5 | 1748       | 0.27                    |    |        |     |            |                         |
| 54 | Dec-12 | 4.5 | 1713       | 0.23                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

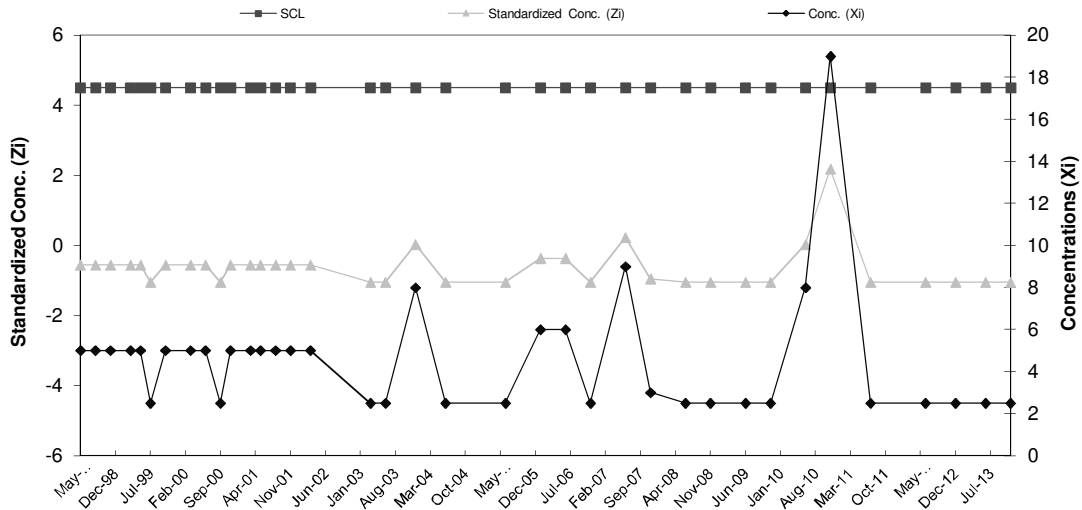


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault D - Chromium**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Mar-95 | 13    | 7.86 | 5.11     |
| 2             | Jun-96 | 10    |      |          |
| 3             | Aug-96 | 10    |      |          |
| 4             | Nov-96 | 10    |      |          |
| 5             | May-97 | 5     |      |          |
| 6             | Aug-97 | 5     |      |          |
| 7             | Nov-97 | 5     |      |          |
| 8             | Feb-98 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -0.56                   | 41 | Jul-11 | 4.5 | 2.5        | -1.05                   |
| 10 | Aug-98 | 4.5 | 5          | -0.56                   | 42 | Jun-12 | 4.5 | 2.5        | -1.05                   |
| 11 | Nov-98 | 4.5 | 5          | -0.56                   | 43 | Dec-12 | 4.5 | 2.5        | -1.05                   |
| 12 | Mar-99 | 4.5 | 5          | -0.56                   | 44 | Jun-13 | 4.5 | 2.5        | -1.05                   |
| 13 | May-99 | 4.5 | 5          | -0.56                   | 45 | Nov-13 | 4.5 | 2.5        | -1.05                   |
| 14 | Jul-99 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 15 | Oct-99 | 4.5 | 5          | -0.56                   |    |        |     |            |                         |
| 16 | Mar-00 | 4.5 | 5          | -0.56                   |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 5          | -0.56                   |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 5          | -0.56                   |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 5          | -0.56                   |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 5          | -0.56                   |    |        |     |            |                         |
| 22 | Aug-01 | 4.5 | 5          | -0.56                   |    |        |     |            |                         |
| 23 | Nov-01 | 4.5 | 5          | -0.56                   |    |        |     |            |                         |
| 24 | Mar-02 | 4.5 | 5          | -0.56                   |    |        |     |            |                         |
| 25 | Mar-03 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 27 | Dec-03 | 4.5 | 8          | 0.03                    |    |        |     |            |                         |
| 28 | Jun-04 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 29 | Jun-05 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 30 | Jan-06 | 4.5 | 6          | -0.36                   |    |        |     |            |                         |
| 31 | Jun-06 | 4.5 | 6          | -0.36                   |    |        |     |            |                         |
| 32 | Nov-06 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 33 | Jun-07 | 4.5 | 9          | 0.22                    |    |        |     |            |                         |
| 34 | Nov-07 | 4.5 | 3          | -0.95                   |    |        |     |            |                         |
| 35 | Jun-08 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 36 | Nov-08 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 37 | Jun-09 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 38 | Nov-09 | 4.5 | 2.5        | -1.05                   |    |        |     |            |                         |
| 39 | Jun-10 | 4.5 | 8          | 0.03                    |    |        |     |            |                         |
| 40 | Nov-10 | 4.5 | 19         | 2.18                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

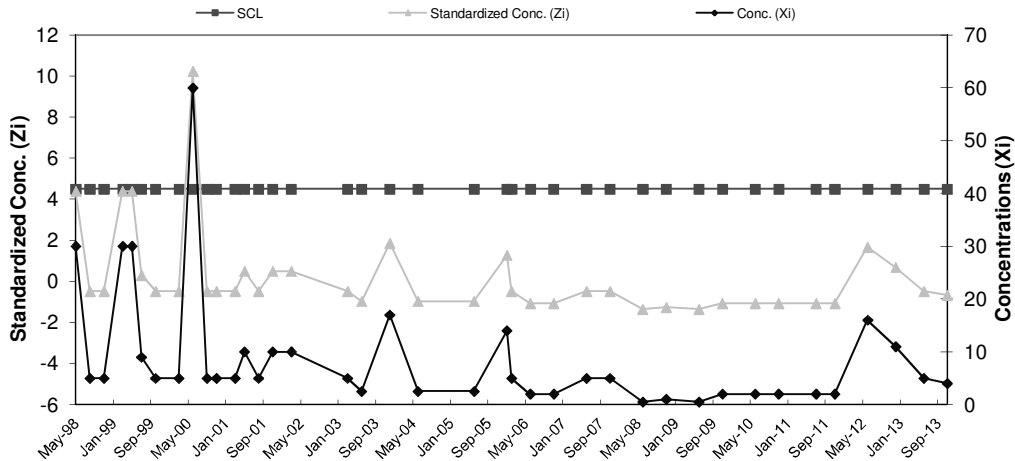


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault D - Copper**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Mar-95 | 10    | 7.48 | 5.13     |
| 2             | Jun-96 | 10    |      |          |
| 3             | Aug-96 | 10    |      |          |
| 4             | Nov-96 | 10    |      |          |
| 5             | May-97 | 5     |      |          |
| 6             | Aug-97 | 5     |      |          |
| 7             | Nov-97 | 5     |      |          |
| 8             | Feb-98 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 30         | 4.39                    | 41 | Nov-10 | 4.5 | 2          | -1.07                   |
| 10 | Aug-98 | 4.5 | 5          | -0.48                   | 42 | Jul-11 | 4.5 | 2          | -1.07                   |
| 11 | Nov-98 | 4.5 | 5          | -0.48                   | 43 | Nov-11 | 4.5 | 2          | -1.07                   |
| 12 | Mar-99 | 4.5 | 30         | 4.39                    | 44 | Jun-12 | 4.5 | 16         | 1.66                    |
| 13 | May-99 | 4.5 | 30         | 4.39                    | 45 | Dec-12 | 4.5 | 11         | 0.69                    |
| 14 | Jul-99 | 4.5 | 9          | 0.30                    | 46 | Jun-13 | 4.5 | 5          | -0.48                   |
| 15 | Oct-99 | 4.5 | 5          | -0.48                   | 47 | Nov-13 | 4.5 | 4          | -0.68                   |
| 16 | Mar-00 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 60         | 10.24                   |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 10         | 0.49                    |    |        |     |            |                         |
| 22 | Aug-01 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 23 | Nov-01 | 4.5 | 10         | 0.49                    |    |        |     |            |                         |
| 24 | Mar-02 | 4.5 | 10         | 0.49                    |    |        |     |            |                         |
| 25 | Mar-03 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 27 | Dec-03 | 4.5 | 17         | 1.86                    |    |        |     |            |                         |
| 28 | Jun-04 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 29 | Jun-05 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 30 | Jan-06 | 4.5 | 14         | 1.27                    |    |        |     |            |                         |
| 31 | Feb-06 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 32 | Jun-06 | 4.5 | 2          | -1.07                   |    |        |     |            |                         |
| 33 | Nov-06 | 4.5 | 2          | -1.07                   |    |        |     |            |                         |
| 34 | Jun-07 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 35 | Nov-07 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 36 | Jun-08 | 4.5 | 0.5        | -1.36                   |    |        |     |            |                         |
| 37 | Nov-08 | 4.5 | 1          | -1.26                   |    |        |     |            |                         |
| 38 | Jun-09 | 4.5 | 0.5        | -1.36                   |    |        |     |            |                         |
| 39 | Nov-09 | 4.5 | 2          | -1.07                   |    |        |     |            |                         |
| 40 | Jun-10 | 4.5 | 2          | -1.07                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

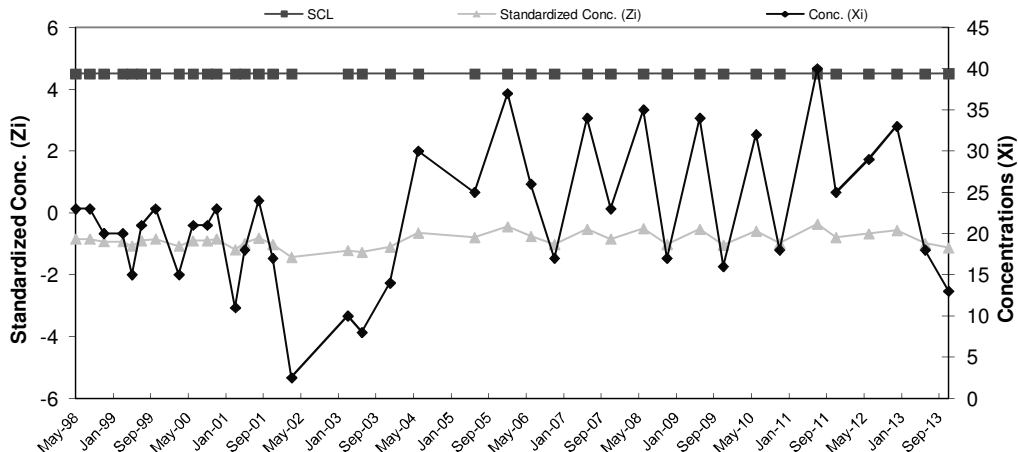


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault D - Nickel**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Mar-95 | 44    | 52.63 | 35.01    |
| 2             | Jun-96 | 10    |       |          |
| 3             | Aug-96 | 10    |       |          |
| 4             | Nov-96 | 40    |       |          |
| 5             | May-97 | 58    |       |          |
| 6             | Aug-97 | 79    |       |          |
| 7             | Nov-97 | 114   |       |          |
| 8             | Feb-98 | 66    |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 23         | -0.85                   | 41 | Jul-11 | 4.5 | 40         | -0.36                   |
| 10 | Aug-98 | 4.5 | 23         | -0.85                   | 42 | Nov-11 | 4.5 | 25         | -0.79                   |
| 11 | Nov-98 | 4.5 | 20         | -0.93                   | 43 | Jun-12 | 4.5 | 29         | -0.67                   |
| 12 | Mar-99 | 4.5 | 20         | -0.93                   | 44 | Dec-12 | 4.5 | 33         | -0.56                   |
| 13 | May-99 | 4.5 | 15         | -1.07                   | 45 | Jun-13 | 4.5 | 18         | -0.99                   |
| 14 | Jul-99 | 4.5 | 21         | -0.90                   | 46 | Nov-13 | 4.5 | 13         | -1.13                   |
| 15 | Oct-99 | 4.5 | 23         | -0.85                   |    |        |     |            |                         |
| 16 | Mar-00 | 4.5 | 15         | -1.07                   |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 21         | -0.90                   |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 21         | -0.90                   |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 23         | -0.85                   |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 11         | -1.19                   |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 18         | -0.99                   |    |        |     |            |                         |
| 22 | Aug-01 | 4.5 | 24         | -0.82                   |    |        |     |            |                         |
| 23 | Nov-01 | 4.5 | 17         | -1.02                   |    |        |     |            |                         |
| 24 | Mar-02 | 4.5 | 2.5        | -1.43                   |    |        |     |            |                         |
| 25 | Mar-03 | 4.5 | 10         | -1.22                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 8          | -1.27                   |    |        |     |            |                         |
| 27 | Dec-03 | 4.5 | 14         | -1.10                   |    |        |     |            |                         |
| 28 | Jun-04 | 4.5 | 30         | -0.65                   |    |        |     |            |                         |
| 29 | Jun-05 | 4.5 | 25         | -0.79                   |    |        |     |            |                         |
| 30 | Jan-06 | 4.5 | 37         | -0.45                   |    |        |     |            |                         |
| 31 | Jun-06 | 4.5 | 26         | -0.76                   |    |        |     |            |                         |
| 32 | Nov-06 | 4.5 | 17         | -1.02                   |    |        |     |            |                         |
| 33 | Jun-07 | 4.5 | 34         | -0.53                   |    |        |     |            |                         |
| 34 | Nov-07 | 4.5 | 23         | -0.85                   |    |        |     |            |                         |
| 35 | Jun-08 | 4.5 | 35         | -0.50                   |    |        |     |            |                         |
| 36 | Nov-08 | 4.5 | 17         | -1.02                   |    |        |     |            |                         |
| 37 | Jun-09 | 4.5 | 34         | -0.53                   |    |        |     |            |                         |
| 38 | Nov-09 | 4.5 | 16         | -1.05                   |    |        |     |            |                         |
| 39 | Jun-10 | 4.5 | 32         | -0.59                   |    |        |     |            |                         |
| 40 | Nov-10 | 4.5 | 18         | -0.99                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

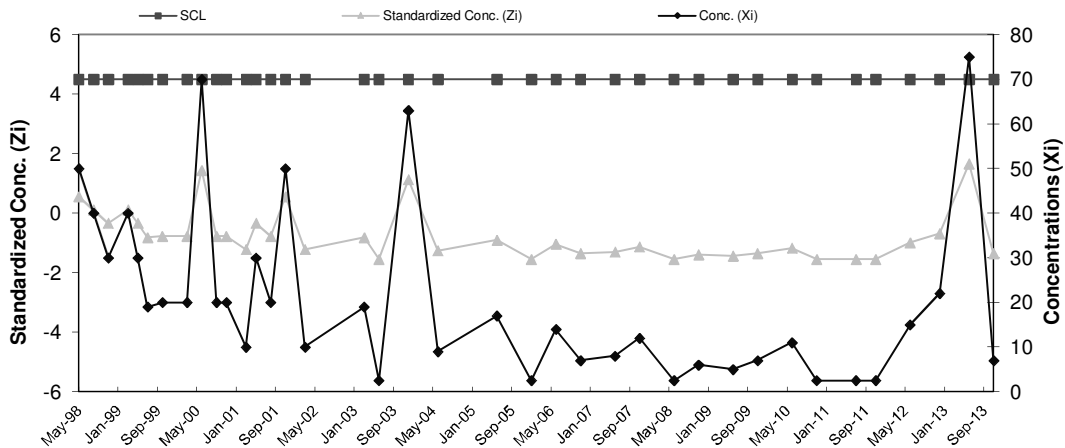


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault D - Zinc**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Mar-95 | 20    | 37.49 | 22.59    |
| 2             | Jun-96 | 10    |       |          |
| 3             | Aug-96 | 40    |       |          |
| 4             | Nov-96 | 70    |       |          |
| 5             | May-97 | 70    |       |          |
| 6             | Aug-97 | 20    |       |          |
| 7             | Nov-97 | 30    |       |          |
| 8             | Feb-98 | 40    |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 50         | 0.55                    | 42 | Nov-11 | 4.5 | 2.5        | -1.55                   |
| 10 | Aug-98 | 4.5 | 40         | 0.11                    | 43 | Jun-12 | 4.5 | 15         | -1.00                   |
| 11 | Nov-98 | 4.5 | 30         | -0.33                   | 44 | Dec-12 | 4.5 | 22         | -0.69                   |
| 12 | Mar-99 | 4.5 | 40         | 0.11                    | 45 | Jun-13 | 4.5 | 75         | 1.66                    |
| 13 | May-99 | 4.5 | 30         | -0.33                   | 46 | Nov-13 | 4.5 | 7          | -1.35                   |
| 14 | Jul-99 | 4.5 | 19         | -0.82                   |    |        |     |            |                         |
| 15 | Oct-99 | 4.5 | 20         | -0.77                   |    |        |     |            |                         |
| 16 | Mar-00 | 4.5 | 20         | -0.77                   |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 70         | 1.44                    |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 20         | -0.77                   |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 20         | -0.77                   |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 10         | -1.22                   |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 30         | -0.33                   |    |        |     |            |                         |
| 22 | Aug-01 | 4.5 | 20         | -0.77                   |    |        |     |            |                         |
| 23 | Nov-01 | 4.5 | 50         | 0.55                    |    |        |     |            |                         |
| 24 | Mar-02 | 4.5 | 10         | -1.22                   |    |        |     |            |                         |
| 25 | Mar-03 | 4.5 | 19         | -0.82                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 2.5        | -1.55                   |    |        |     |            |                         |
| 27 | Dec-03 | 4.5 | 63         | 1.13                    |    |        |     |            |                         |
| 28 | Jun-04 | 4.5 | 9          | -1.26                   |    |        |     |            |                         |
| 29 | Jun-05 | 4.5 | 17         | -0.91                   |    |        |     |            |                         |
| 30 | Jan-06 | 4.5 | 2.5        | -1.55                   |    |        |     |            |                         |
| 31 | Jun-06 | 4.5 | 14         | -1.04                   |    |        |     |            |                         |
| 32 | Nov-06 | 4.5 | 7          | -1.35                   |    |        |     |            |                         |
| 33 | Jun-07 | 4.5 | 8          | -1.31                   |    |        |     |            |                         |
| 34 | Nov-07 | 4.5 | 12         | -1.13                   |    |        |     |            |                         |
| 35 | Jun-08 | 4.5 | 2.5        | -1.55                   |    |        |     |            |                         |
| 36 | Nov-08 | 4.5 | 6          | -1.39                   |    |        |     |            |                         |
| 37 | Jun-09 | 4.5 | 5          | -1.44                   |    |        |     |            |                         |
| 38 | Nov-09 | 4.5 | 7          | -1.35                   |    |        |     |            |                         |
| 39 | Jun-10 | 4.5 | 11         | -1.17                   |    |        |     |            |                         |
| 40 | Nov-10 | 4.5 | 2.5        | -1.55                   |    |        |     |            |                         |
| 41 | Jul-11 | 4.5 | 2.5        | -1.55                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

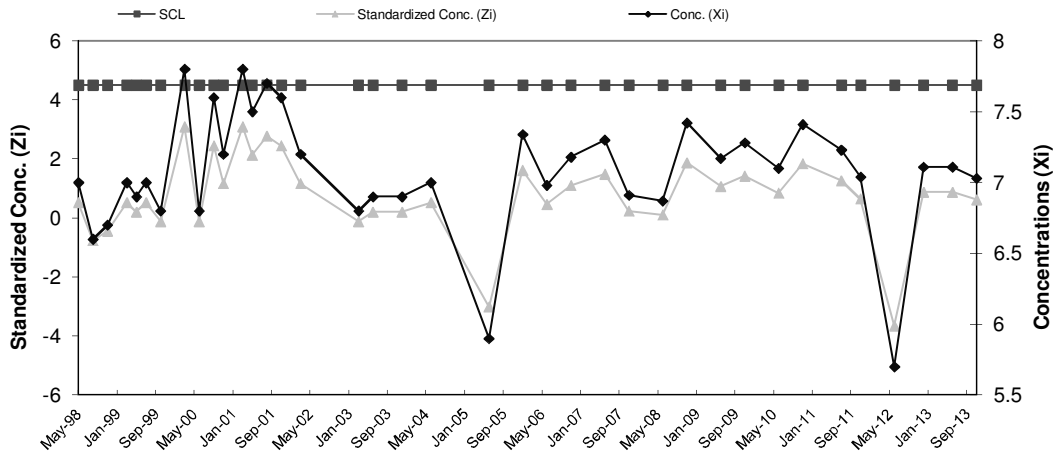


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault D - pH**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Mar-95 | 7.3   | 6.84 | 0.31     |
| 2             | Jun-96 | 6.9   |      |          |
| 3             | Aug-96 | 7.2   |      |          |
| 4             | Nov-96 | 7     |      |          |
| 5             | May-97 | 6.7   |      |          |
| 6             | Aug-97 | 6.5   |      |          |
| 7             | Nov-97 | 6.6   |      |          |
| 8             | Feb-98 | 6.5   |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 7          | 0.52                    | 42 | Nov-11 | 4.5 | 7.0        | 0.65                    |
| 10 | Aug-98 | 4.5 | 6.6        | -0.76                   | 43 | Jun-12 | 4.5 | 5.7        | -3.65                   |
| 11 | Nov-98 | 4.5 | 6.7        | -0.44                   | 44 | Dec-12 | 4.5 | 7.11       | 0.88                    |
| 12 | Mar-99 | 4.5 | 7          | 0.52                    | 45 | Jun-13 | 4.5 | 7.11       | 0.88                    |
| 13 | May-99 | 4.5 | 6.9        | 0.20                    | 46 | Nov-13 | 4.5 | 7.03       | 0.62                    |
| 14 | Jul-99 | 4.5 | 7          | 0.52                    |    |        |     |            |                         |
| 15 | Oct-99 | 4.5 | 6.8        | -0.12                   |    |        |     |            |                         |
| 16 | Mar-00 | 4.5 | 7.8        | 3.09                    |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 6.8        | -0.12                   |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 7.6        | 2.45                    |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 7.2        | 1.16                    |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 7.8        | 3.09                    |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 7.5        | 2.13                    |    |        |     |            |                         |
| 22 | Aug-01 | 4.5 | 7.7        | 2.77                    |    |        |     |            |                         |
| 23 | Nov-01 | 4.5 | 7.6        | 2.45                    |    |        |     |            |                         |
| 24 | Mar-02 | 4.5 | 7.2        | 1.16                    |    |        |     |            |                         |
| 25 | Mar-03 | 4.5 | 6.8        | -0.12                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 6.9        | 0.20                    |    |        |     |            |                         |
| 27 | Dec-03 | 4.5 | 6.9        | 0.20                    |    |        |     |            |                         |
| 28 | Jun-04 | 4.5 | 7          | 0.52                    |    |        |     |            |                         |
| 29 | Jun-05 | 4.5 | 5.9        | -3.01                   |    |        |     |            |                         |
| 30 | Jan-06 | 4.5 | 7.3        | 1.61                    |    |        |     |            |                         |
| 31 | Jun-06 | 4.5 | 7.0        | 0.46                    |    |        |     |            |                         |
| 32 | Nov-06 | 4.5 | 7.2        | 1.10                    |    |        |     |            |                         |
| 33 | Jun-07 | 4.5 | 7.3        | 1.49                    |    |        |     |            |                         |
| 34 | Nov-07 | 4.5 | 6.9        | 0.23                    |    |        |     |            |                         |
| 35 | Jun-08 | 4.5 | 6.9        | 0.10                    |    |        |     |            |                         |
| 36 | Nov-08 | 4.5 | 7.4        | 1.87                    |    |        |     |            |                         |
| 37 | Jun-09 | 4.5 | 7.2        | 1.07                    |    |        |     |            |                         |
| 38 | Nov-09 | 4.5 | 7.3        | 1.42                    |    |        |     |            |                         |
| 39 | Jun-10 | 4.5 | 7.1        | 0.84                    |    |        |     |            |                         |
| 40 | Nov-10 | 4.5 | 7.4        | 1.84                    |    |        |     |            |                         |
| 41 | Jul-11 | 4.5 | 7.2        | 1.26                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

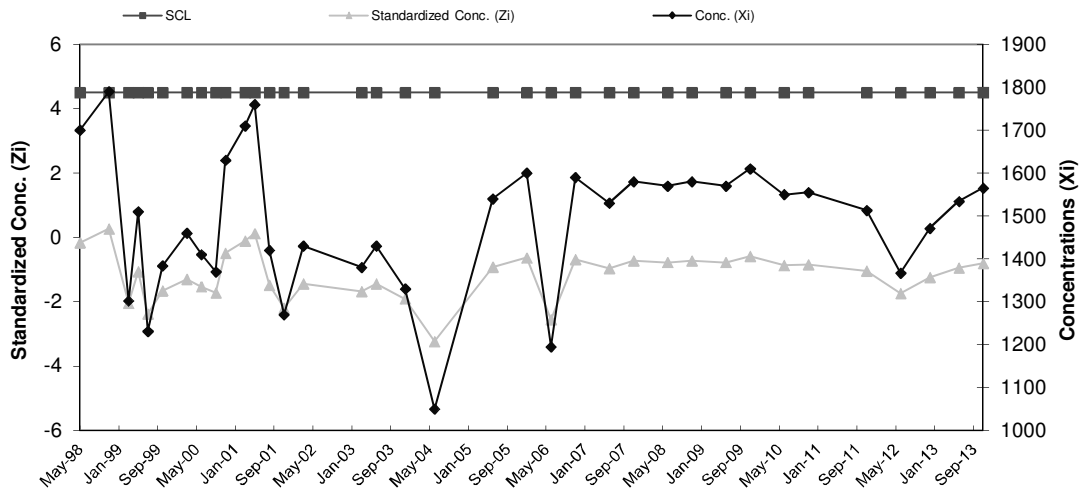


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault D - SpC**

| Baseline Data |        |       |          |          |
|---------------|--------|-------|----------|----------|
| Ti            | Date   | Conc. | Mean     | Std. Dev |
| 1             | Mar-95 | 2200  | 1,734.38 | 211.31   |
| 2             | Jun-96 | 1800  |          |          |
| 3             | Aug-96 | 1600  |          |          |
| 4             | Nov-96 | 1700  |          |          |
| 5             | May-97 | 1580  |          |          |
| 6             | Aug-97 | 1540  |          |          |
| 7             | Nov-97 | 1800  |          |          |
| 8             | Feb-98 | 1655  |          |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 1700       | -0.16                   | 41 | Nov-11 | 4.5 | 1513       | -1.05                   |
| 11 | Nov-98 | 4.5 | 1790       | 0.26                    | 42 | Jun-12 | 4.5 | 1367       | -1.74                   |
| 12 | Mar-99 | 4.5 | 1302       | -2.05                   | 43 | Dec-12 | 4.5 | 1471       | -1.25                   |
| 13 | May-99 | 4.5 | 1510       | -1.06                   | 44 | Jun-13 | 4.5 | 1534       | -0.95                   |
| 14 | Jul-99 | 4.5 | 1231       | -2.38                   | 45 | Nov-13 | 4.5 | 1565       | -0.80                   |
| 15 | Oct-99 | 4.5 | 1384       | -1.66                   |    |        |     |            |                         |
| 16 | Mar-00 | 4.5 | 1460       | -1.30                   |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 1410       | -1.54                   |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 1370       | -1.72                   |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 1630       | -0.49                   |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 1710       | -0.12                   |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 1760       | 0.12                    |    |        |     |            |                         |
| 22 | Aug-01 | 4.5 | 1420       | -1.49                   |    |        |     |            |                         |
| 23 | Nov-01 | 4.5 | 1270       | -2.20                   |    |        |     |            |                         |
| 24 | Mar-02 | 4.5 | 1430       | -1.44                   |    |        |     |            |                         |
| 25 | Mar-03 | 4.5 | 1380       | -1.68                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 1430       | -1.44                   |    |        |     |            |                         |
| 27 | Dec-03 | 4.5 | 1330       | -1.91                   |    |        |     |            |                         |
| 28 | Jun-04 | 4.5 | 1050       | -3.24                   |    |        |     |            |                         |
| 29 | Jun-05 | 4.5 | 1540       | -0.92                   |    |        |     |            |                         |
| 30 | Jan-06 | 4.5 | 1600       | -0.64                   |    |        |     |            |                         |
| 31 | Jun-06 | 4.5 | 1195       | -2.55                   |    |        |     |            |                         |
| 32 | Nov-06 | 4.5 | 1590       | -0.68                   |    |        |     |            |                         |
| 33 | Jun-07 | 4.5 | 1530       | -0.97                   |    |        |     |            |                         |
| 34 | Nov-07 | 4.5 | 1580       | -0.73                   |    |        |     |            |                         |
| 35 | Jun-08 | 4.5 | 1570       | -0.78                   |    |        |     |            |                         |
| 36 | Nov-08 | 4.5 | 1580       | -0.73                   |    |        |     |            |                         |
| 37 | Jun-09 | 4.5 | 1570       | -0.78                   |    |        |     |            |                         |
| 38 | Nov-09 | 4.5 | 1610       | -0.59                   |    |        |     |            |                         |
| 39 | Jun-10 | 4.5 | 1550       | -0.87                   |    |        |     |            |                         |
| 40 | Nov-10 | 4.5 | 1555       | -0.85                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

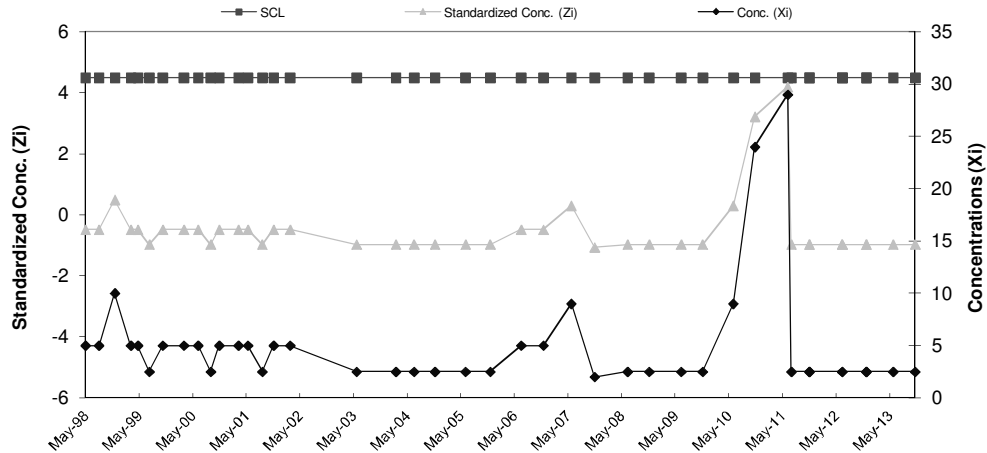


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault E - Chromium**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Mar-96 | 10    | <b>7.48</b> | <b>5.13</b> |
| 2             | Jun-96 | 10    |             |             |
| 3             | Oct-96 | 10    |             |             |
| 4             | Nov-96 | 10    |             |             |
| 5             | May-97 | 5     |             |             |
| 6             | Aug-97 | 5     |             |             |
| 7             | Nov-97 | 5     |             |             |
| 8             | Feb-98 | 5     |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -0.48                   | 43 | Nov-11 | 4.5 | 2.5        | -0.97                   |
| 10 | Aug-98 | 4.5 | 5          | -0.48                   | 44 | Jun-12 | 4.5 | 2.5        | -0.97                   |
| 11 | Nov-98 | 4.5 | 10         | 0.49                    | 45 | Dec-12 | 4.5 | 2.5        | -0.97                   |
| 12 | Mar-99 | 4.5 | 5          | -0.48                   | 46 | Jun-13 | 4.5 | 2.5        | -0.97                   |
| 13 | May-99 | 4.5 | 5          | -0.48                   | 47 | Nov-13 | 4.5 | 2.5        | -0.97                   |
| 14 | Jul-99 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 15 | Oct-99 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 16 | Mar-00 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 22 | Aug-01 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 23 | Nov-01 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 24 | Mar-02 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 25 | Jun-03 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 26 | Feb-04 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 27 | Jun-04 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 28 | Nov-04 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 29 | Jun-05 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 30 | Dec-05 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 31 | Jun-06 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 32 | Nov-06 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 33 | Jun-07 | 4.5 | 9          | 0.30                    |    |        |     |            |                         |
| 34 | Nov-07 | 4.5 | 2          | -1.07                   |    |        |     |            |                         |
| 35 | Jun-08 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 36 | Nov-08 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 37 | Jun-09 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 38 | Nov-09 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 39 | Jun-10 | 4.5 | 9          | 0.30                    |    |        |     |            |                         |
| 40 | Nov-10 | 4.5 | 24         | 3.22                    |    |        |     |            |                         |
| 41 | Jun-11 | 4.5 | 29         | 4.19                    |    |        |     |            |                         |
| 42 | Jul-11 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 43 | Nov-11 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 44 | Jun-12 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 45 | Dec-12 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

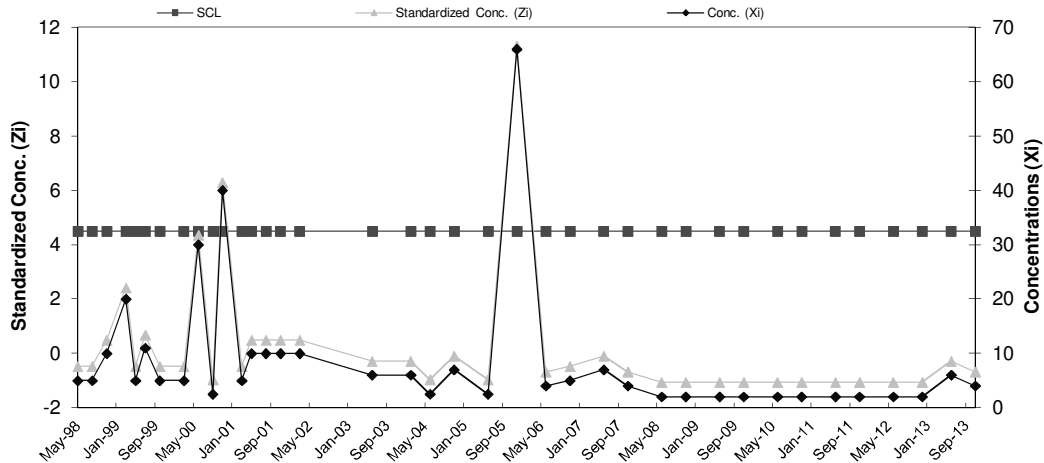


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault E - Copper**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Mar-96 | 10    | 7.50 | 5.17     |
| 2             | Jun-96 | 10    |      |          |
| 3             | Oct-96 | 10    |      |          |
| 4             | Nov-96 | 10    |      |          |
| 5             | May-97 | 5     |      |          |
| 6             | Aug-97 | 5     |      |          |
| 7             | Nov-97 | 5     |      |          |
| 8             | Feb-98 | 5     |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -0.48                   | 42 | Nov-11 | 4.5 | 2          | -1.06                   |
| 10 | Aug-98 | 4.5 | 5          | -0.48                   | 43 | Jun-12 | 4.5 | 2          | -1.06                   |
| 11 | Nov-98 | 4.5 | 10         | 0.48                    | 44 | Dec-12 | 4.5 | 2          | -1.06                   |
| 12 | Mar-99 | 4.5 | 20         | 2.42                    | 45 | Jun-13 | 4.5 | 6          | -0.29                   |
| 13 | May-99 | 4.5 | 5          | -0.48                   | 46 | Nov-13 | 4.5 | 4          | -0.68                   |
| 14 | Jul-99 | 4.5 | 11         | 0.68                    |    |        |     |            |                         |
| 15 | Oct-99 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 16 | Mar-00 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 30         | 4.35                    |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 40         | 6.29                    |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 10         | 0.48                    |    |        |     |            |                         |
| 22 | Aug-01 | 4.5 | 10         | 0.48                    |    |        |     |            |                         |
| 23 | Nov-01 | 4.5 | 10         | 0.48                    |    |        |     |            |                         |
| 24 | Mar-02 | 4.5 | 10         | 0.48                    |    |        |     |            |                         |
| 25 | Jun-03 | 4.5 | 6          | -0.29                   |    |        |     |            |                         |
| 26 | Feb-04 | 4.5 | 6          | -0.29                   |    |        |     |            |                         |
| 27 | Jun-04 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 28 | Nov-04 | 4.5 | 7          | -0.10                   |    |        |     |            |                         |
| 29 | Jun-05 | 4.5 | 2.5        | -0.97                   |    |        |     |            |                         |
| 30 | Dec-05 | 4.5 | 66         | 11.32                   |    |        |     |            |                         |
| 31 | Jun-06 | 4.5 | 4          | -0.68                   |    |        |     |            |                         |
| 32 | Nov-06 | 4.5 | 5          | -0.48                   |    |        |     |            |                         |
| 33 | Jun-07 | 4.5 | 7          | -0.10                   |    |        |     |            |                         |
| 34 | Nov-07 | 4.5 | 4          | -0.68                   |    |        |     |            |                         |
| 35 | Jun-08 | 4.5 | 2          | -1.06                   |    |        |     |            |                         |
| 36 | Nov-08 | 4.5 | 2          | -1.06                   |    |        |     |            |                         |
| 37 | Jun-09 | 4.5 | 2          | -1.06                   |    |        |     |            |                         |
| 38 | Nov-09 | 4.5 | 2          | -1.06                   |    |        |     |            |                         |
| 39 | Jun-10 | 4.5 | 2          | -1.06                   |    |        |     |            |                         |
| 40 | Nov-10 | 4.5 | 2          | -1.06                   |    |        |     |            |                         |
| 41 | Jun-11 | 4.5 | 2          | -1.06                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

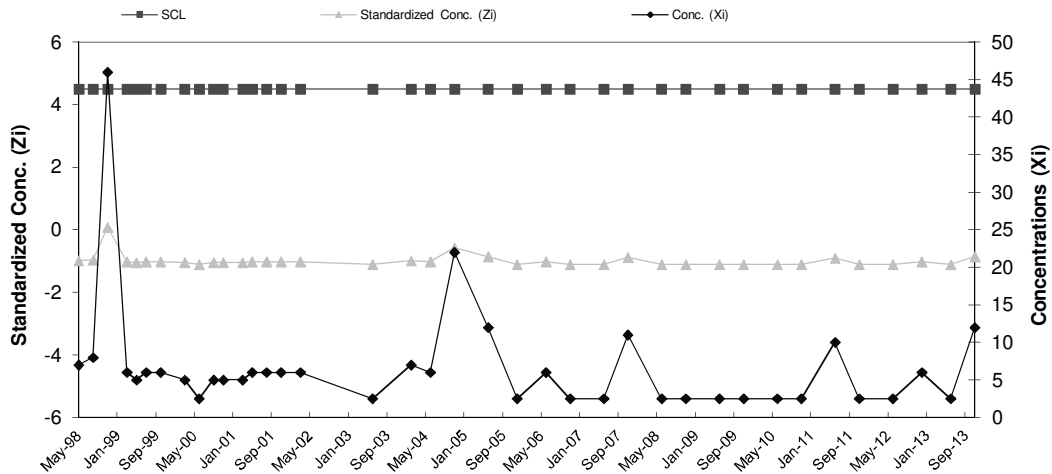


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault E - Nickel**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Mar-96 | 46    | 43.13 | 36.46    |
| 2             | Jun-96 | 10    |       |          |
| 3             | Oct-96 | 10    |       |          |
| 4             | Nov-96 | 10    |       |          |
| 5             | May-97 | 35    |       |          |
| 6             | Aug-97 | 64    |       |          |
| 7             | Nov-97 | 116   |       |          |
| 8             | Feb-98 | 54    |       |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 7          | -0.99                   | 42 | Nov-11 | 4.5 | 2.5        | -1.11                   |
| 10 | Aug-98 | 4.5 | 8          | -0.96                   | 43 | Jun-12 | 4.5 | 2.5        | -1.11                   |
| 11 | Nov-98 | 4.5 | 46         | 0.08                    | 44 | Dec-12 | 4.5 | 6          | -1.02                   |
| 12 | Mar-99 | 4.5 | 6          | -1.02                   | 45 | Jun-13 | 4.5 | 2.5        | -1.11                   |
| 13 | May-99 | 4.5 | 5          | -1.05                   | 46 | Nov-13 | 4.5 | 12         | -0.85                   |
| 14 | Jul-99 | 4.5 | 6          | -1.02                   |    |        |     |            |                         |
| 15 | Oct-99 | 4.5 | 6          | -1.02                   |    |        |     |            |                         |
| 16 | Mar-00 | 4.5 | 5          | -1.05                   |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 2.5        | -1.11                   |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 5          | -1.05                   |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 5          | -1.05                   |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 5          | -1.05                   |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 6          | -1.02                   |    |        |     |            |                         |
| 22 | Aug-01 | 4.5 | 6          | -1.02                   |    |        |     |            |                         |
| 23 | Nov-01 | 4.5 | 6          | -1.02                   |    |        |     |            |                         |
| 24 | Mar-02 | 4.5 | 6          | -1.02                   |    |        |     |            |                         |
| 25 | Jun-03 | 4.5 | 2.5        | -1.11                   |    |        |     |            |                         |
| 26 | Feb-04 | 4.5 | 7          | -0.99                   |    |        |     |            |                         |
| 27 | Jun-04 | 4.5 | 6          | -1.02                   |    |        |     |            |                         |
| 28 | Nov-04 | 4.5 | 22         | -0.58                   |    |        |     |            |                         |
| 29 | Jun-05 | 4.5 | 12         | -0.85                   |    |        |     |            |                         |
| 30 | Dec-05 | 4.5 | 2.5        | -1.11                   |    |        |     |            |                         |
| 31 | Jun-06 | 4.5 | 6          | -1.02                   |    |        |     |            |                         |
| 32 | Nov-06 | 4.5 | 2.5        | -1.11                   |    |        |     |            |                         |
| 33 | Jun-07 | 4.5 | 2.5        | -1.11                   |    |        |     |            |                         |
| 34 | Nov-07 | 4.5 | 11         | -0.88                   |    |        |     |            |                         |
| 35 | Jun-08 | 4.5 | 2.5        | -1.11                   |    |        |     |            |                         |
| 36 | Nov-08 | 4.5 | 2.5        | -1.11                   |    |        |     |            |                         |
| 37 | Jun-09 | 4.5 | 2.5        | -1.11                   |    |        |     |            |                         |
| 38 | Nov-09 | 4.5 | 2.5        | -1.11                   |    |        |     |            |                         |
| 39 | Jun-10 | 4.5 | 2.5        | -1.11                   |    |        |     |            |                         |
| 40 | Nov-10 | 4.5 | 2.5        | -1.11                   |    |        |     |            |                         |
| 41 | Jun-11 | 4.5 | 10         | -0.91                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

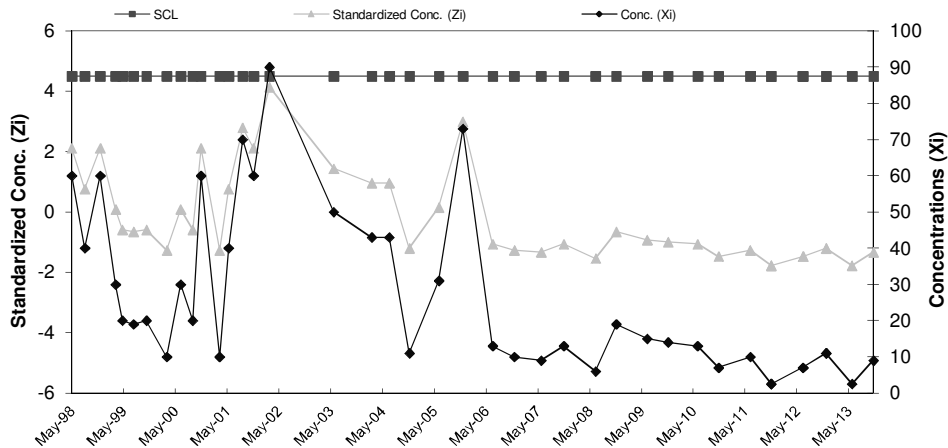


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault E - Zinc**

| Baseline Data |        |       |              |              |
|---------------|--------|-------|--------------|--------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev     |
| 1             | Mar-96 | 10    | <b>28.75</b> | <b>14.79</b> |
| 2             | Jun-96 | 10    |              |              |
| 3             | Oct-96 | 20    |              |              |
| 4             | Nov-96 | 30    |              |              |
| 5             | May-97 | 30    |              |              |
| 6             | Aug-97 | 40    |              |              |
| 7             | Nov-97 | 40    |              |              |
| 8             | Feb-98 | 50    |              |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 60         | 2.11                    | 42 | Nov-11 | 4.5 | 2.5        | -1.77                   |
| 10 | Aug-98 | 4.5 | 40         | 0.76                    | 43 | Jun-12 | 4.5 | 7          | -1.47                   |
| 11 | Nov-98 | 4.5 | 60         | 2.11                    | 44 | Dec-12 | 4.5 | 11         | -1.20                   |
| 12 | Mar-99 | 4.5 | 30         | 0.08                    | 45 | Jun-13 | 4.5 | 2.5        | -1.77                   |
| 13 | May-99 | 4.5 | 20         | -0.59                   | 46 | Nov-13 | 4.5 | 9          | -1.34                   |
| 14 | Jul-99 | 4.5 | 19         | -0.66                   |    |        |     |            |                         |
| 15 | Oct-99 | 4.5 | 20         | -0.59                   |    |        |     |            |                         |
| 16 | Mar-00 | 4.5 | 10         | -1.27                   |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 30         | 0.08                    |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 20         | -0.59                   |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 60         | 2.11                    |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 10         | -1.27                   |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 40         | 0.76                    |    |        |     |            |                         |
| 22 | Aug-01 | 4.5 | 70         | 2.79                    |    |        |     |            |                         |
| 23 | Nov-01 | 4.5 | 60         | 2.11                    |    |        |     |            |                         |
| 24 | Mar-02 | 4.5 | 90         | 4.14                    |    |        |     |            |                         |
| 25 | Jun-03 | 4.5 | 50         | 1.44                    |    |        |     |            |                         |
| 26 | Feb-04 | 4.5 | 43         | 0.96                    |    |        |     |            |                         |
| 27 | Jun-04 | 4.5 | 43         | 0.96                    |    |        |     |            |                         |
| 28 | Nov-04 | 4.5 | 11         | -1.20                   |    |        |     |            |                         |
| 29 | Jun-05 | 4.5 | 31         | 0.15                    |    |        |     |            |                         |
| 30 | Dec-05 | 4.5 | 73         | 2.99                    |    |        |     |            |                         |
| 31 | Jun-06 | 4.5 | 13         | -1.06                   |    |        |     |            |                         |
| 32 | Nov-06 | 4.5 | 10         | -1.27                   |    |        |     |            |                         |
| 33 | Jun-07 | 4.5 | 9          | -1.34                   |    |        |     |            |                         |
| 34 | Nov-07 | 4.5 | 13         | -1.06                   |    |        |     |            |                         |
| 35 | Jun-08 | 4.5 | 6          | -1.54                   |    |        |     |            |                         |
| 36 | Nov-08 | 4.5 | 19         | -0.66                   |    |        |     |            |                         |
| 37 | Jun-09 | 4.5 | 15         | -0.93                   |    |        |     |            |                         |
| 38 | Nov-09 | 4.5 | 14         | -1.00                   |    |        |     |            |                         |
| 39 | Jun-10 | 4.5 | 13         | -1.06                   |    |        |     |            |                         |
| 40 | Nov-10 | 4.5 | 7          | -1.47                   |    |        |     |            |                         |
| 41 | Jun-11 | 4.5 | 10         | -1.27                   |    |        |     |            |                         |
| 42 | Nov-11 | 4.5 | 2.5        | -1.77                   |    |        |     |            |                         |
| 43 | Jun-12 | 4.5 | 7          | -1.47                   |    |        |     |            |                         |
| 44 | Dec-12 | 4.5 | 11         | -1.20                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

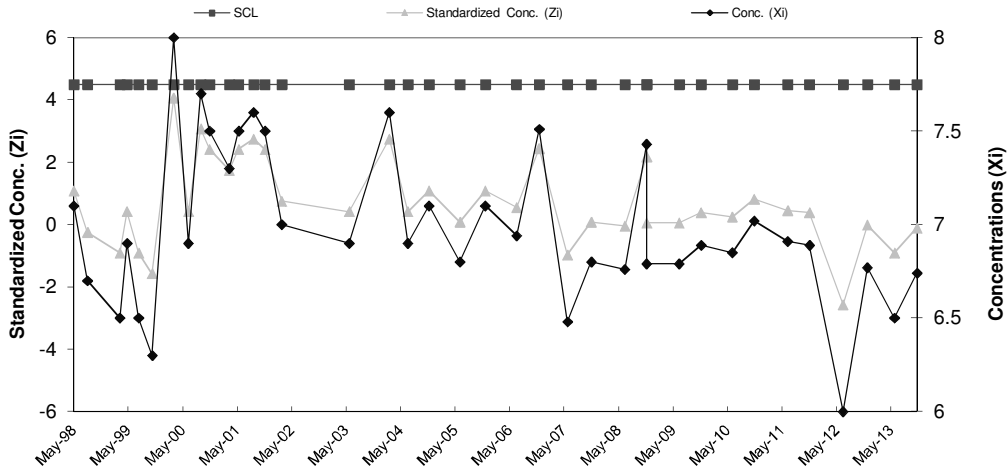


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault E - pH**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Mar-96 | 7.2   | 6.78 | 0.30     |
| 2             | Jun-96 | 7     |      |          |
| 3             | Oct-96 | 6.9   |      |          |
| 4             | Nov-96 | 7     |      |          |
| 5             | May-97 | 6.3   |      |          |
| 6             | Aug-97 | 6.7   |      |          |
| 7             | Nov-97 | 6.5   |      |          |
| 8             | Feb-98 | 6.6   |      |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 7.1        | 1.08                    | 41 | Nov-11 | 4.5 | 6.9        | 0.38                    |
| 10 | Aug-98 | 4.5 | 6.7        | -0.25                   | 42 | Jun-12 | 4.5 | 6          | -2.57                   |
| 11 | Mar-99 | 4.5 | 6.5        | -0.91                   | 43 | Dec-12 | 4.5 | 6.77       | -0.02                   |
| 12 | May-99 | 4.5 | 6.9        | 0.42                    | 44 | Jun-13 | 4.5 | 6.5        | -0.91                   |
| 13 | Jul-99 | 4.5 | 6.5        | -0.91                   | 45 | Nov-13 | 4.5 | 6.74       | -0.12                   |
| 14 | Oct-99 | 4.5 | 6.3        | -1.58                   |    |        |     |            |                         |
| 15 | Mar-00 | 4.5 | 8          | 4.07                    |    |        |     |            |                         |
| 16 | Jun-00 | 4.5 | 6.9        | 0.42                    |    |        |     |            |                         |
| 17 | Sep-00 | 4.5 | 7.7        | 3.07                    |    |        |     |            |                         |
| 18 | Nov-00 | 4.5 | 7.5        | 2.41                    |    |        |     |            |                         |
| 19 | Mar-01 | 4.5 | 7.3        | 1.74                    |    |        |     |            |                         |
| 20 | May-01 | 4.5 | 7.5        | 2.41                    |    |        |     |            |                         |
| 21 | Aug-01 | 4.5 | 7.6        | 2.74                    |    |        |     |            |                         |
| 22 | Nov-01 | 4.5 | 7.5        | 2.41                    |    |        |     |            |                         |
| 23 | Mar-02 | 4.5 | 7          | 0.75                    |    |        |     |            |                         |
| 24 | Jun-03 | 4.5 | 6.9        | 0.42                    |    |        |     |            |                         |
| 25 | Feb-04 | 4.5 | 7.6        | 2.74                    |    |        |     |            |                         |
| 26 | Jun-04 | 4.5 | 6.9        | 0.42                    |    |        |     |            |                         |
| 27 | Nov-04 | 4.5 | 7.1        | 1.08                    |    |        |     |            |                         |
| 28 | Jun-05 | 4.5 | 6.8        | 0.08                    |    |        |     |            |                         |
| 29 | Dec-05 | 4.5 | 7.1        | 1.08                    |    |        |     |            |                         |
| 30 | Jun-06 | 4.5 | 6.9        | 0.55                    |    |        |     |            |                         |
| 31 | Nov-06 | 4.5 | 7.5        | 2.44                    |    |        |     |            |                         |
| 32 | Jun-07 | 4.5 | 6.5        | -0.98                   |    |        |     |            |                         |
| 33 | Nov-07 | 4.5 | 6.8        | 0.08                    |    |        |     |            |                         |
| 34 | Jun-08 | 4.5 | 6.8        | -0.05                   |    |        |     |            |                         |
| 35 | Nov-08 | 4.5 | 7.4        | 2.17                    |    |        |     |            |                         |
| 35 | Nov-08 | 4.5 | 6.8        | 0.05                    |    |        |     |            |                         |
| 36 | Jun-09 | 4.5 | 6.8        | 0.05                    |    |        |     |            |                         |
| 37 | Nov-09 | 4.5 | 6.9        | 0.38                    |    |        |     |            |                         |
| 38 | Jun-10 | 4.5 | 6.9        | 0.25                    |    |        |     |            |                         |
| 39 | Nov-10 | 4.5 | 7.0        | 0.81                    |    |        |     |            |                         |
| 40 | Jun-11 | 4.5 | 6.9        | 0.45                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

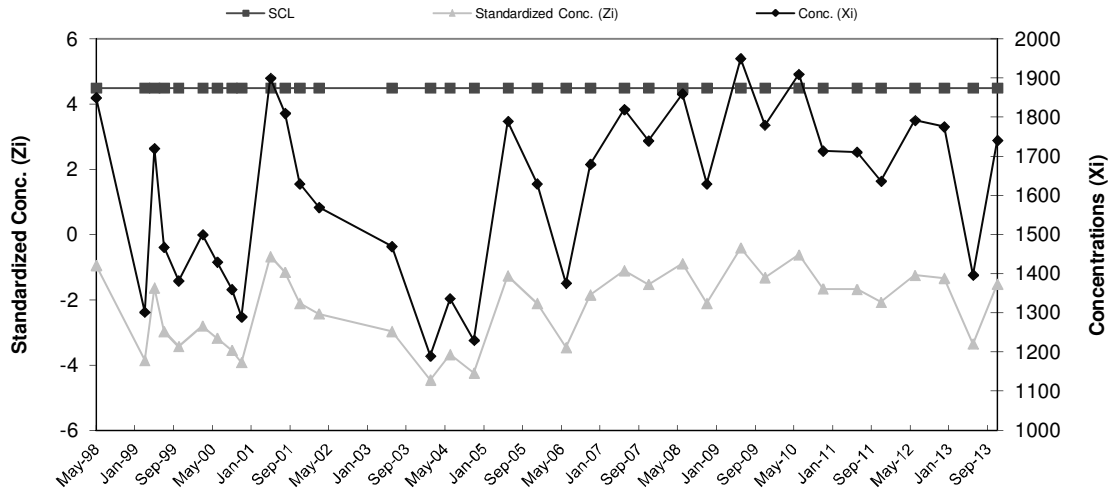


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault E - SpC**

| Baseline Data |        |       |          |          |
|---------------|--------|-------|----------|----------|
| Ti            | Date   | Conc. | Mean     | Std. Dev |
| 1             | Mar-96 | 2000  | 2,026.25 | 187.84   |
| 2             | Jun-96 | 2400  |          |          |
| 3             | Oct-96 | 2000  |          |          |
| 4             | Nov-96 | 1800  |          |          |
| 5             | May-97 | 2120  |          |          |
| 6             | Aug-97 | 1840  |          |          |
| 7             | Nov-97 | 2100  |          |          |
| 8             | Feb-98 | 1950  |          |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 1850       | -0.94                   | 39 | Nov-11 | 4.5 | 1637       | -2.07                   |
| 10 | Mar-99 | 4.5 | 1302       | -3.86                   | 40 | Jun-12 | 4.5 | 1792       | -1.25                   |
| 11 | May-99 | 4.5 | 1720       | -1.63                   | 41 | Dec-12 | 4.5 | 1776       | -1.33                   |
| 12 | Jul-99 | 4.5 | 1468       | -2.97                   | 42 | Jun-13 | 4.5 | 1397       | -3.35                   |
| 13 | Oct-99 | 4.5 | 1382       | -3.43                   | 43 | Nov-13 | 4.5 | 1741       | -1.52                   |
| 14 | Mar-00 | 4.5 | 1500       | -2.80                   |    |        |     |            |                         |
| 15 | Jun-00 | 4.5 | 1430       | -3.17                   |    |        |     |            |                         |
| 16 | Sep-00 | 4.5 | 1360       | -3.55                   |    |        |     |            |                         |
| 17 | Nov-00 | 4.5 | 1290       | -3.92                   |    |        |     |            |                         |
| 18 | May-01 | 4.5 | 1900       | -0.67                   |    |        |     |            |                         |
| 19 | Aug-01 | 4.5 | 1810       | -1.15                   |    |        |     |            |                         |
| 20 | Nov-01 | 4.5 | 1630       | -2.11                   |    |        |     |            |                         |
| 21 | Mar-02 | 4.5 | 1570       | -2.43                   |    |        |     |            |                         |
| 22 | Jun-03 | 4.5 | 1470       | -2.96                   |    |        |     |            |                         |
| 23 | Feb-04 | 4.5 | 1190       | -4.45                   |    |        |     |            |                         |
| 24 | Jun-04 | 4.5 | 1337       | -3.67                   |    |        |     |            |                         |
| 25 | Nov-04 | 4.5 | 1230       | -4.24                   |    |        |     |            |                         |
| 26 | Jun-05 | 4.5 | 1790       | -1.26                   |    |        |     |            |                         |
| 27 | Dec-05 | 4.5 | 1630       | -2.11                   |    |        |     |            |                         |
| 28 | Jun-06 | 4.5 | 1376       | -3.46                   |    |        |     |            |                         |
| 29 | Nov-06 | 4.5 | 1680       | -1.84                   |    |        |     |            |                         |
| 30 | Jun-07 | 4.5 | 1820       | -1.10                   |    |        |     |            |                         |
| 31 | Nov-07 | 4.5 | 1740       | -1.52                   |    |        |     |            |                         |
| 32 | Jun-08 | 4.5 | 1860       | -0.89                   |    |        |     |            |                         |
| 33 | Nov-08 | 4.5 | 1630       | -2.11                   |    |        |     |            |                         |
| 34 | Jun-09 | 4.5 | 1950       | -0.41                   |    |        |     |            |                         |
| 35 | Nov-09 | 4.5 | 1780       | -1.31                   |    |        |     |            |                         |
| 36 | Jun-10 | 4.5 | 1910       | -0.62                   |    |        |     |            |                         |
| 37 | Nov-10 | 4.5 | 1714       | -1.66                   |    |        |     |            |                         |
| 38 | Jun-11 | 4.5 | 1711       | -1.68                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

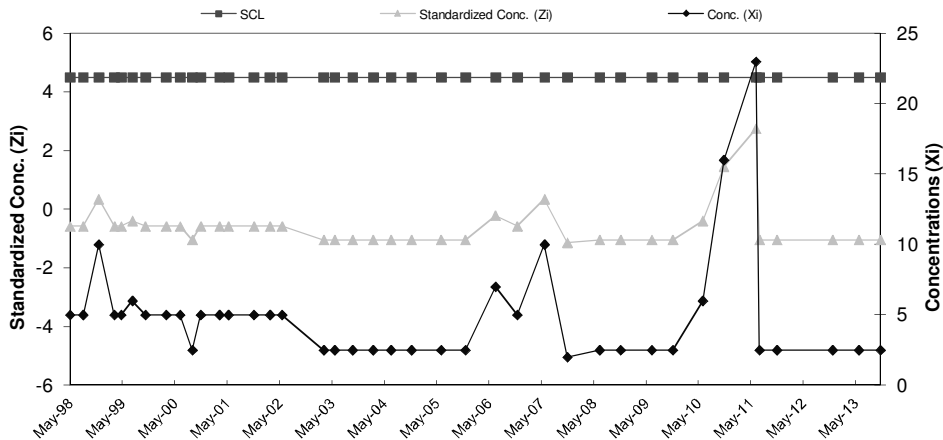


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault F - Chromium**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Jun-95 | 10    | <b>8.13</b> | <b>5.40</b> |
| 2             | Aug-95 | 10    |             |             |
| 3             | Jun-96 | 10    |             |             |
| 4             | Aug-96 | 10    |             |             |
| 5             | Nov-96 | 10    |             |             |
| 6             | Aug-97 | 5     |             |             |
| 7             | Nov-97 | 5     |             |             |
| 8             | Feb-98 | 5     |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 5          | -0.58                   | 44 | Jul-11 | 4.5 | 2.5        | -1.04                   |
| 10 | Aug-98 | 4.5 | 5          | -0.58                   | 45 | Nov-11 | 4.5 | 2.5        | -1.04                   |
| 11 | Nov-98 | 4.5 | 10         | 0.35                    | 46 | Dec-12 | 4.5 | 2.5        | -1.04                   |
| 12 | Mar-99 | 4.5 | 5          | -0.58                   | 47 | Jun-13 | 4.5 | 2.5        | -1.04                   |
| 13 | May-99 | 4.5 | 5          | -0.58                   | 48 | Nov-13 | 4.5 | 2.5        | -1.04                   |
| 14 | Jul-99 | 4.5 | 6          | -0.39                   |    |        |     |            |                         |
| 15 | Oct-99 | 4.5 | 5          | -0.58                   |    |        |     |            |                         |
| 16 | Mar-00 | 4.5 | 5          | -0.58                   |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 5          | -0.58                   |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 5          | -0.58                   |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 5          | -0.58                   |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 5          | -0.58                   |    |        |     |            |                         |
| 22 | Nov-01 | 4.5 | 5          | -0.58                   |    |        |     |            |                         |
| 23 | Mar-02 | 4.5 | 5          | -0.58                   |    |        |     |            |                         |
| 24 | May-02 | 4.5 | 5          | -0.58                   |    |        |     |            |                         |
| 25 | Mar-03 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 27 | Oct-03 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 28 | Feb-04 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 29 | Jun-04 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 30 | Nov-04 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 31 | Jun-05 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 32 | Dec-05 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 33 | Jun-06 | 4.5 | 7          | -0.21                   |    |        |     |            |                         |
| 34 | Nov-06 | 4.5 | 5          | -0.58                   |    |        |     |            |                         |
| 35 | Jun-07 | 4.5 | 10         | 0.35                    |    |        |     |            |                         |
| 36 | Nov-07 | 4.5 | 2          | -1.14                   |    |        |     |            |                         |
| 37 | Jun-08 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 38 | Nov-08 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 39 | Jun-09 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 40 | Nov-09 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 41 | Jun-10 | 4.5 | 6          | -0.39                   |    |        |     |            |                         |
| 42 | Nov-10 | 4.5 | 16         | 1.46                    |    |        |     |            |                         |
| 43 | Jun-11 | 4.5 | 23         | 2.75                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

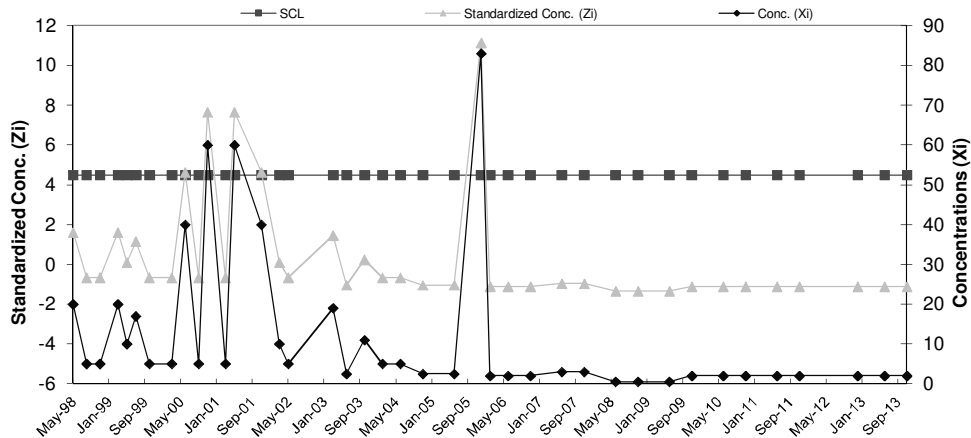


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault F - Copper**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Jun-95 | 10    | <b>9.38</b> | <b>6.61</b> |
| 2             | Aug-95 | 10    |             |             |
| 3             | Jun-96 | 10    |             |             |
| 4             | Aug-96 | 20    |             |             |
| 5             | Nov-96 | 10    |             |             |
| 6             | Aug-97 | 5     |             |             |
| 7             | Nov-97 | 5     |             |             |
| 8             | Feb-98 | 5     |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 20         | 1.61                    | 44 | Jun-11 | 4.5 | 2          | -1.12                   |
| 10 | Aug-98 | 4.5 | 5          | -0.66                   | 45 | Nov-11 | 4.5 | 2          | -1.12                   |
| 11 | Nov-98 | 4.5 | 5          | -0.66                   | 46 | Dec-12 | 4.5 | 2          | -1.12                   |
| 12 | Mar-99 | 4.5 | 20         | 1.61                    | 47 | Jun-13 | 4.5 | 2          | -1.12                   |
| 13 | May-99 | 4.5 | 10         | 0.09                    | 48 | Nov-13 | 4.5 | 2          | -1.12                   |
| 14 | Jul-99 | 4.5 | 17         | 1.15                    |    |        |     |            |                         |
| 15 | Oct-99 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 16 | Mar-00 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 40         | 4.63                    |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 60         | 7.66                    |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 60         | 7.66                    |    |        |     |            |                         |
| 22 | Nov-01 | 4.5 | 40         | 4.63                    |    |        |     |            |                         |
| 23 | Mar-02 | 4.5 | 10         | 0.09                    |    |        |     |            |                         |
| 24 | May-02 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 25 | Mar-03 | 4.5 | 19         | 1.46                    |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 27 | Oct-03 | 4.5 | 11         | 0.25                    |    |        |     |            |                         |
| 28 | Feb-04 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 29 | Jun-04 | 4.5 | 5          | -0.66                   |    |        |     |            |                         |
| 30 | Nov-04 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 31 | Jun-05 | 4.5 | 2.5        | -1.04                   |    |        |     |            |                         |
| 32 | Dec-05 | 4.5 | 83         | 11.14                   |    |        |     |            |                         |
| 33 | Feb-06 | 4.5 | 2          | -1.12                   |    |        |     |            |                         |
| 34 | Jun-06 | 4.5 | 2          | -1.12                   |    |        |     |            |                         |
| 35 | Nov-06 | 4.5 | 2          | -1.12                   |    |        |     |            |                         |
| 36 | Jun-07 | 4.5 | 3          | -0.97                   |    |        |     |            |                         |
| 37 | Nov-07 | 4.5 | 3          | -0.97                   |    |        |     |            |                         |
| 38 | Jun-08 | 4.5 | 0.5        | -1.34                   |    |        |     |            |                         |
| 39 | Nov-08 | 4.5 | 0.5        | -1.34                   |    |        |     |            |                         |
| 40 | Jun-09 | 4.5 | 0.5        | -1.34                   |    |        |     |            |                         |
| 41 | Nov-09 | 4.5 | 2          | -1.12                   |    |        |     |            |                         |
| 42 | Jun-10 | 4.5 | 2          | -1.12                   |    |        |     |            |                         |
| 43 | Nov-10 | 4.5 | 2          | -1.12                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

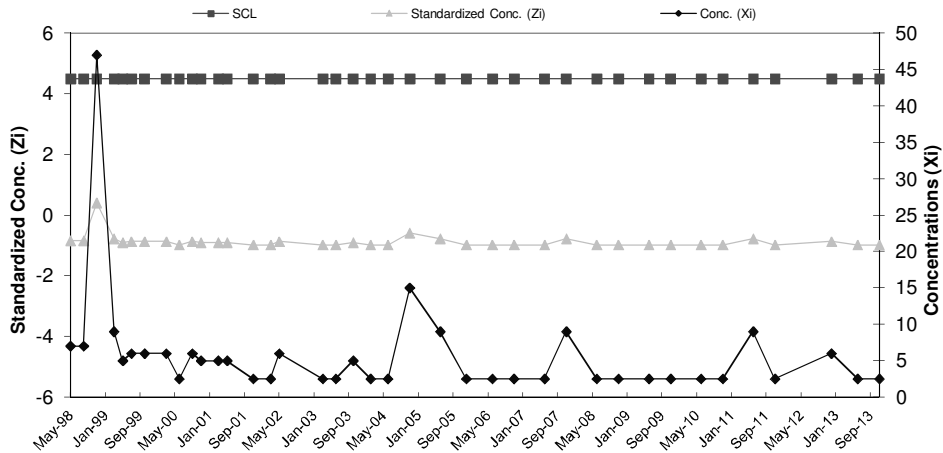


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault F - Nickel**

| Baseline Data |        |       |              |              |
|---------------|--------|-------|--------------|--------------|
| Ti            | Date   | Conc. | Mean         | Std. Dev     |
| 1             | Jun-95 | 15    | <b>33.88</b> | <b>31.96</b> |
| 2             | Aug-95 | 20    |              |              |
| 3             | Jun-96 | 10    |              |              |
| 4             | Aug-96 | 10    |              |              |
| 5             | Nov-96 | 10    |              |              |
| 6             | Aug-97 | 64    |              |              |
| 7             | Nov-97 | 93    |              |              |
| 8             | Feb-98 | 49    |              |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 7          | -0.84                   | 43 | Jun-11 | 4.5 | 9          | -0.78                   |
| 10 | Aug-98 | 4.5 | 7          | -0.84                   | 44 | Nov-11 | 4.5 | 2.5        | -0.98                   |
| 11 | Nov-98 | 4.5 | 47         | 0.41                    | 45 | Dec-12 | 4.5 | 6          | -0.87                   |
| 12 | Mar-99 | 4.5 | 9          | -0.78                   | 46 | Jun-13 | 4.5 | 2.5        | -0.98                   |
| 13 | May-99 | 4.5 | 5          | -0.90                   | 47 | Nov-13 | 4.5 | 2.5        | -0.98                   |
| 14 | Jul-99 | 4.5 | 6          | -0.87                   |    |        |     |            |                         |
| 15 | Oct-99 | 4.5 | 6          | -0.87                   |    |        |     |            |                         |
| 16 | Mar-00 | 4.5 | 6          | -0.87                   |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 6          | -0.87                   |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 5          | -0.90                   |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 5          | -0.90                   |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 5          | -0.90                   |    |        |     |            |                         |
| 22 | Nov-01 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 23 | Mar-02 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 24 | May-02 | 4.5 | 6          | -0.87                   |    |        |     |            |                         |
| 25 | Mar-03 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 27 | Oct-03 | 4.5 | 5          | -0.90                   |    |        |     |            |                         |
| 28 | Feb-04 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 29 | Jun-04 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 30 | Nov-04 | 4.5 | 15         | -0.59                   |    |        |     |            |                         |
| 31 | Jun-05 | 4.5 | 9          | -0.78                   |    |        |     |            |                         |
| 32 | Dec-05 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 33 | Jun-06 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 34 | Nov-06 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 35 | Jun-07 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 36 | Nov-07 | 4.5 | 9          | -0.78                   |    |        |     |            |                         |
| 37 | Jun-08 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 38 | Nov-08 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 39 | Jun-09 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 40 | Nov-09 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 41 | Jun-10 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |
| 42 | Nov-10 | 4.5 | 2.5        | -0.98                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

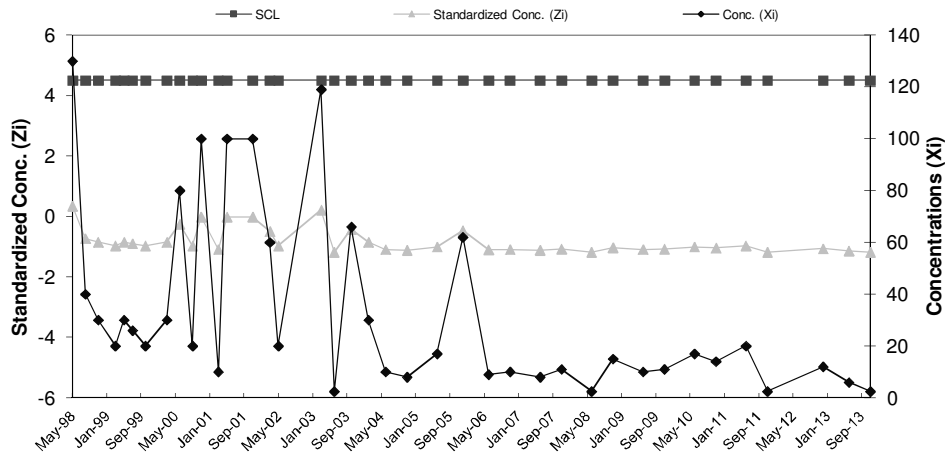


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault F - Zinc**

| Baseline Data |        |       |               |              |
|---------------|--------|-------|---------------|--------------|
| Ti            | Date   | Conc. | Mean          | Std. Dev     |
| 1             | Jun-95 | 190   | <b>101.24</b> | <b>83.60</b> |
| 2             | Aug-95 | 220   |               |              |
| 3             | Jun-96 | 10    |               |              |
| 4             | Aug-96 | 50    |               |              |
| 5             | Nov-96 | 30    |               |              |
| 6             | Aug-97 | 20    |               |              |
| 7             | Nov-97 | 130   |               |              |
| 8             | Feb-98 | 160   |               |              |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 130        | 0.34                    | 43 | Jun-11 | 4.5 | 20         | -0.97                   |
| 10 | Aug-98 | 4.5 | 40         | -0.73                   | 44 | Nov-11 | 4.5 | 2.5        | -1.18                   |
| 11 | Nov-98 | 4.5 | 30         | -0.85                   | 45 | Dec-12 | 4.5 | 12         | -1.07                   |
| 12 | Mar-99 | 4.5 | 20         | -0.97                   | 46 | Jun-13 | 4.5 | 6          | -1.14                   |
| 13 | May-99 | 4.5 | 30         | -0.85                   | 47 | Nov-13 | 4.5 | 2.5        | -1.18                   |
| 14 | Jul-99 | 4.5 | 26         | -0.90                   |    |        |     |            |                         |
| 15 | Oct-99 | 4.5 | 20         | -0.97                   |    |        |     |            |                         |
| 16 | Mar-00 | 4.5 | 30         | -0.85                   |    |        |     |            |                         |
| 17 | Jun-00 | 4.5 | 80         | -0.25                   |    |        |     |            |                         |
| 18 | Sep-00 | 4.5 | 20         | -0.97                   |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 100        | -0.01                   |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 10         | -1.09                   |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 100        | -0.01                   |    |        |     |            |                         |
| 22 | Nov-01 | 4.5 | 100        | -0.01                   |    |        |     |            |                         |
| 23 | Mar-02 | 4.5 | 60         | -0.49                   |    |        |     |            |                         |
| 24 | May-02 | 4.5 | 20         | -0.97                   |    |        |     |            |                         |
| 25 | Mar-03 | 4.5 | 119        | 0.21                    |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 2.5        | -1.18                   |    |        |     |            |                         |
| 27 | Oct-03 | 4.5 | 66         | -0.42                   |    |        |     |            |                         |
| 28 | Feb-04 | 4.5 | 30         | -0.85                   |    |        |     |            |                         |
| 29 | Jun-04 | 4.5 | 10         | -1.09                   |    |        |     |            |                         |
| 30 | Nov-04 | 4.5 | 8          | -1.12                   |    |        |     |            |                         |
| 31 | Jun-05 | 4.5 | 17         | -1.01                   |    |        |     |            |                         |
| 32 | Dec-05 | 4.5 | 62         | -0.47                   |    |        |     |            |                         |
| 33 | Jun-06 | 4.5 | 9          | -1.10                   |    |        |     |            |                         |
| 34 | Nov-06 | 4.5 | 10         | -1.09                   |    |        |     |            |                         |
| 35 | Jun-07 | 4.5 | 8          | -1.12                   |    |        |     |            |                         |
| 36 | Nov-07 | 4.5 | 11         | -1.08                   |    |        |     |            |                         |
| 37 | Jun-08 | 4.5 | 2.5        | -1.18                   |    |        |     |            |                         |
| 38 | Nov-08 | 4.5 | 15         | -1.03                   |    |        |     |            |                         |
| 39 | Jun-09 | 4.5 | 10         | -1.09                   |    |        |     |            |                         |
| 40 | Nov-09 | 4.5 | 11         | -1.08                   |    |        |     |            |                         |
| 41 | Jun-10 | 4.5 | 17         | -1.01                   |    |        |     |            |                         |
| 42 | Nov-10 | 4.5 | 14         | -1.04                   |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

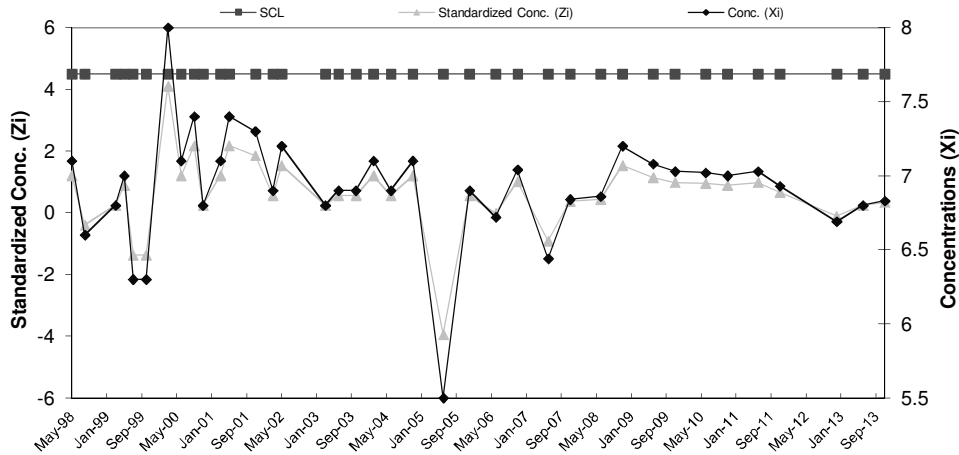


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault F - pH**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Jun-95 | 6.8   | <b>6.73</b> | <b>0.31</b> |
| 2             | Aug-95 | 6.8   |             |             |
| 3             | Jun-96 | 6.8   |             |             |
| 4             | Aug-96 | 7.1   |             |             |
| 5             | Nov-96 | 7     |             |             |
| 6             | Aug-97 | 6.1   |             |             |
| 7             | Nov-97 | 6.7   |             |             |
| 8             | Feb-98 | 6.5   |             |             |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 7.1        | 1.21                    | 42 | Jun-11 | 4.5 | 7.0        | 0.98                    |
| 10 | Aug-98 | 4.5 | 6.6        | -0.40                   | 43 | Nov-11 | 4.5 | 6.93       | 0.66                    |
| 11 | Mar-99 | 4.5 | 6.8        | 0.24                    | 44 | Dec-12 | 4.5 | 6.69       | -0.11                   |
| 12 | May-99 | 4.5 | 7          | 0.89                    | 45 | Jun-13 | 4.5 | 6.8        | 0.24                    |
| 13 | Jul-99 | 4.5 | 6.3        | -1.37                   | 46 | Nov-13 | 4.5 | 6.83       | 0.34                    |
| 14 | Oct-99 | 4.5 | 6.3        | -1.37                   |    |        |     |            |                         |
| 15 | Mar-00 | 4.5 | 8          | 4.11                    |    |        |     |            |                         |
| 16 | Jun-00 | 4.5 | 7.1        | 1.21                    |    |        |     |            |                         |
| 17 | Sep-00 | 4.5 | 7.4        | 2.17                    |    |        |     |            |                         |
| 18 | Nov-00 | 4.5 | 6.8        | 0.24                    |    |        |     |            |                         |
| 19 | Mar-01 | 4.5 | 7.1        | 1.21                    |    |        |     |            |                         |
| 20 | May-01 | 4.5 | 7.4        | 2.17                    |    |        |     |            |                         |
| 21 | Nov-01 | 4.5 | 7.3        | 1.85                    |    |        |     |            |                         |
| 22 | Mar-02 | 4.5 | 6.9        | 0.56                    |    |        |     |            |                         |
| 23 | May-02 | 4.5 | 7.2        | 1.53                    |    |        |     |            |                         |
| 24 | Mar-03 | 4.5 | 6.8        | 0.24                    |    |        |     |            |                         |
| 25 | Jun-03 | 4.5 | 6.9        | 0.56                    |    |        |     |            |                         |
| 26 | Oct-03 | 4.5 | 6.9        | 0.56                    |    |        |     |            |                         |
| 27 | Feb-04 | 4.5 | 7.1        | 1.21                    |    |        |     |            |                         |
| 28 | Jun-04 | 4.5 | 6.9        | 0.56                    |    |        |     |            |                         |
| 29 | Nov-04 | 4.5 | 7.1        | 1.21                    |    |        |     |            |                         |
| 30 | Jun-05 | 4.5 | 5.5        | -3.94                   |    |        |     |            |                         |
| 31 | Dec-05 | 4.5 | 6.9        | 0.56                    |    |        |     |            |                         |
| 32 | Jun-06 | 4.5 | 6.7        | -0.02                   |    |        |     |            |                         |
| 33 | Nov-06 | 4.5 | 7.0        | 1.01                    |    |        |     |            |                         |
| 34 | Jun-07 | 4.5 | 6.4        | -0.92                   |    |        |     |            |                         |
| 35 | Nov-07 | 4.5 | 6.8        | 0.37                    |    |        |     |            |                         |
| 36 | Jun-08 | 4.5 | 6.9        | 0.43                    |    |        |     |            |                         |
| 37 | Nov-08 | 4.5 | 7.2        | 1.53                    |    |        |     |            |                         |
| 38 | Jun-09 | 4.5 | 7.1        | 1.14                    |    |        |     |            |                         |
| 39 | Nov-09 | 4.5 | 7.0        | 0.98                    |    |        |     |            |                         |
| 40 | Jun-10 | 4.5 | 7.0        | 0.95                    |    |        |     |            |                         |
| 41 | Nov-10 | 4.5 | 7.0        | 0.89                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

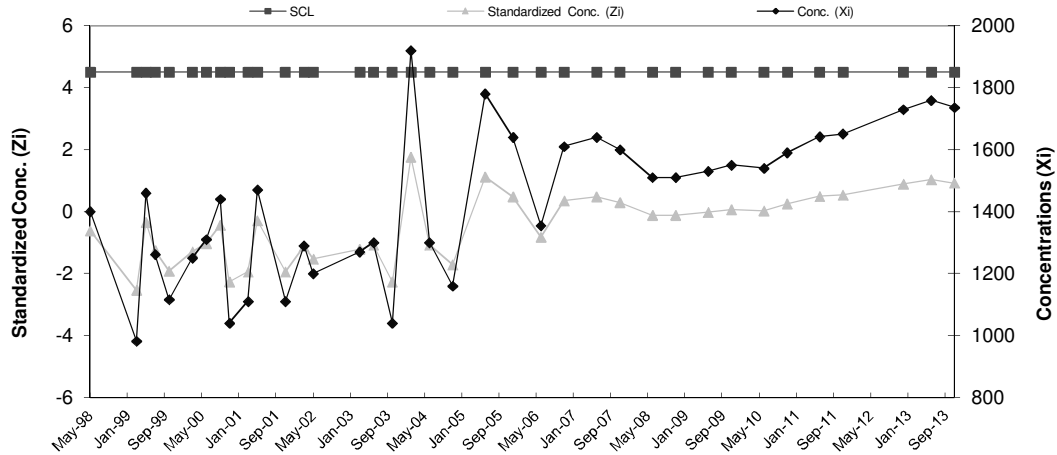


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault F - SpC**

| Baseline Data |        |       |          |          |
|---------------|--------|-------|----------|----------|
| Ti            | Date   | Conc. | Mean     | Std. Dev |
| 1             | Jun-95 | 1400  | 1,535.00 | 218.31   |
| 2             | Aug-95 | 1100  |          |          |
| 3             | Jun-96 | 1600  |          |          |
| 4             | Aug-96 | 1500  |          |          |
| 5             | Nov-96 | 1600  |          |          |
| 6             | Aug-97 | 1530  |          |          |
| 7             | Nov-97 | 1800  |          |          |
| 8             | Feb-98 | 1750  |          |          |

| Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) | Ti | Date   | SCL | Conc. (Xi) | Standardized Conc. (Zi) |
|----|--------|-----|------------|-------------------------|----|--------|-----|------------|-------------------------|
| 9  | May-98 | 4.5 | 1400       | -0.62                   | 41 | Jun-11 | 4.5 | 1642       | 0.49                    |
| 10 | Mar-99 | 4.5 | 982        | -2.53                   | 42 | Nov-11 | 4.5 | 1651       | 0.53                    |
| 11 | May-99 | 4.5 | 1460       | -0.34                   | 43 | Dec-12 | 4.5 | 1729       | 0.89                    |
| 12 | Jul-99 | 4.5 | 1262       | -1.25                   | 44 | Jun-13 | 4.5 | 1759       | 1.03                    |
| 13 | Oct-99 | 4.5 | 1116       | -1.92                   | 45 | Nov-13 | 4.5 | 1736       | 0.92                    |
| 14 | Mar-00 | 4.5 | 1250       | -1.31                   |    |        |     |            |                         |
| 15 | Jun-00 | 4.5 | 1310       | -1.03                   |    |        |     |            |                         |
| 16 | Sep-00 | 4.5 | 1440       | -0.44                   |    |        |     |            |                         |
| 17 | Nov-00 | 4.5 | 1040       | -2.27                   |    |        |     |            |                         |
| 18 | Mar-01 | 4.5 | 1110       | -1.95                   |    |        |     |            |                         |
| 19 | May-01 | 4.5 | 1470       | -0.30                   |    |        |     |            |                         |
| 20 | Nov-01 | 4.5 | 1110       | -1.95                   |    |        |     |            |                         |
| 21 | Mar-02 | 4.5 | 1290       | -1.12                   |    |        |     |            |                         |
| 22 | May-02 | 4.5 | 1200       | -1.53                   |    |        |     |            |                         |
| 23 | Mar-03 | 4.5 | 1270       | -1.21                   |    |        |     |            |                         |
| 24 | Jun-03 | 4.5 | 1300       | -1.08                   |    |        |     |            |                         |
| 25 | Oct-03 | 4.5 | 1040       | -2.27                   |    |        |     |            |                         |
| 26 | Feb-04 | 4.5 | 1920       | 1.76                    |    |        |     |            |                         |
| 27 | Jun-04 | 4.5 | 1300       | -1.08                   |    |        |     |            |                         |
| 28 | Nov-04 | 4.5 | 1160       | -1.72                   |    |        |     |            |                         |
| 29 | Jun-05 | 4.5 | 1780       | 1.12                    |    |        |     |            |                         |
| 30 | Dec-05 | 4.5 | 1640       | 0.48                    |    |        |     |            |                         |
| 31 | Jun-06 | 4.5 | 1355       | -0.82                   |    |        |     |            |                         |
| 32 | Nov-06 | 4.5 | 1610       | 0.34                    |    |        |     |            |                         |
| 33 | Jun-07 | 4.5 | 1640       | 0.48                    |    |        |     |            |                         |
| 34 | Nov-07 | 4.5 | 1600       | 0.30                    |    |        |     |            |                         |
| 35 | Jun-08 | 4.5 | 1510       | -0.11                   |    |        |     |            |                         |
| 36 | Nov-08 | 4.5 | 1510       | -0.11                   |    |        |     |            |                         |
| 37 | Jun-09 | 4.5 | 1530       | -0.02                   |    |        |     |            |                         |
| 38 | Nov-09 | 4.5 | 1550       | 0.07                    |    |        |     |            |                         |
| 39 | Jun-10 | 4.5 | 1540       | 0.02                    |    |        |     |            |                         |
| 40 | Nov-10 | 4.5 | 1590       | 0.25                    |    |        |     |            |                         |

h = Decision Value for CUSUM, SCL = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean



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