

**OBG**

**2015 ANNUAL REPORT – FINAL REPORT**

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

**RACER TRUST  
Detroit, Michigan**

February 2016

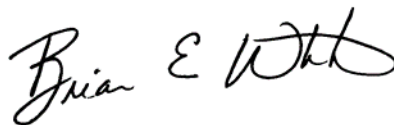


FEBRUARY 2016 | CLIENT # 15388 | PROJECT # 60794

**Landfill Leak Detection System  
Coldwater Road Landfill  
MID 005 356 860**

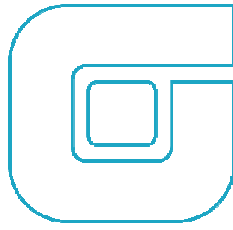
**Flint, Michigan**

Prepared for: RACER Trust  
Detroit, Michigan



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BRIAN E. WHITE, PE  
SENIOR VICE PRESIDENT  
O'BRIEN & GERE ENGINEERS, INC.



February 26, 2016

**Mr. Richard Conforti, P.E.**  
Environmental Engineer  
Michigan Department of Environmental Quality  
Office of Waste Management and Radiological Protection  
P.O. Box 30473  
Lansing, Michigan 48909-7973

RE: Landfill Leak Detection System 2015 Annual Report  
Coldwater Road Landfill, Flint, Michigan  
MID 005 356 860  
FILE: 15388 /60794/rep

Dear **Mr. Conforti**

On behalf of Revitalizing Auto Communities Environmental Response Trust (RACER), O'Brien & Gere is pleased to present the results of the 2015 annual leak detection system (LDS) sampling event conducted in November 2015 for the Coldwater Road Landfill site (Figure 1).

During this event samples were collected from the six leak detection vaults (A through F). Samples from the six leachate sumps (A through F) were not collected during this event, per the revised Post-Closure Care Plan approved on November 7, 2014. The leachate sumps are collected on an annual basis during the late spring/early summer sampling events, typically conducted in the month of June.

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 the attached table: Landfill Leak Detection Vaults – Historical Analytical Results, Inorganics and Metals (Table 1). 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 were collected on November 17, 2015 using a peristaltic pump and tubing for each vault. A duplicate sample was collected from Vault F. 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 historical consistent concentrations for the vaults (Tables 1). A review of the analytical data presented in the attached table 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 limit of 5 µg/L
- Copper concentrations were not detected above the method detection limit of 5 µg/L
- Nickel concentrations ranged from 5 µg/L in Vault E to 20 µg/L in Vault A and decreased slightly compared to the previous sample results; which ranged from 7 µg/L in Vault E and Vault F to 23 µg/L in Vault D
- Zinc concentrations ranged from below the method detection limit of <5 µg/L in Vault C and Vault E to 10 µg/L in Vault B and Vault D and decreased slightly compared to the previous sample results; which ranged from 7 µg/L in Vault E to 17 µg/L in Vault D
- TOC concentrations ranged from 2.1 mg/L in Vault F to 5.7 mg/L in Vault D and were comparable to the previous sample results; which ranged from 2.3 mg/L in Vault F to 6.9 mg/L in Vault D
- TSS concentrations ranged from below the method detection limit of <1 mg/L in Vault F (duplicate) to 3 mg/L in Vault B and Vault D and were comparable to the previous sample results; which ranged from below the method detection limit of <1 mg/L in Vault B to 6 mg/L in Vault C
- pH concentrations ranged from 6.64 in Vault A to 6.95 in Vault F and were comparable to the previous sample results; which ranged from 6.64 in Vault A to 7.08 in Vault F
- Specific conductivity ranged from 1,423 µs/cm in Vault A to 1,729 µs/cm in Vault D and were comparable to the previous sample results; which ranged from 1,460 µs/cm in Vault E to 1,788 µs/cm in Vault C.

Sumps were not sampled during this event.

The duplicate sample collected during this sample event from Vault F exhibited values consistent with the original results.

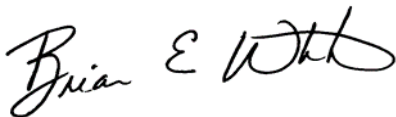
There were no exceedances of the Shewart control limits (SCL) during this sampling event. There was a negative (decreasing) trend for specific conductivity in Vault A, and a negative (decreasing) trend for pH in Vault D. The trends were calculated using regression analysis over the last four sampling events per the Post Closure Care Plan, January 2014.

The negative trends for specific conductivity in Vault A and pH in Vault D were not confirmed by the concentrations of metals, which were either not detected or stable. Also, the specific conductivity in Vault A and pH in Vault D were within the range of historical results. The negative trends do not suggest there was a release from the landfill and they will continue to be evaluated 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 2016. 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.**



Brian E. White, PE  
Senior Vice President

Very truly yours,

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



Clifford S. Yantz  
Scientist-3

  
**ENCLOSURES:**

Table 1 – Vaults Historical Analytical Results

Figure 1 – Site Location Map

Figure 2 – Site Layout

Appendix A – Analytical Laboratory Reports

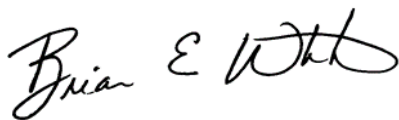
Appendix B – Leak Detection Vault Control Charts

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



Brian E. White, P.E.  
Senior Vice President – O'Brien & Gere Engineers, Inc.

Agent for RACER Trust

Date: February 26, 2016

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cc: file



## TABLES

| <p><b>TABLE 1</b><br/> <b>RACER Trust - Coldwater Road Landfill Facility</b><br/> <b>Landfill Leak Detection Vaults - Historical Analytical Results</b><br/> <b>Inorganics and Metals</b></p> |             |               |               |       |      |                         |         |           |         |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|---------------|-------|------|-------------------------|---------|-----------|---------|-------|
| Indicator Parameters                                                                                                                                                                          |             |               |               |       |      | Dissolved Metals (µg/L) |         |           |         |       |
| Vault                                                                                                                                                                                         | Sample Date | TOC<br>(mg/L) | TSS<br>(mg/L) | pH    | SpC  | Temp                    | 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            | 7.50  | 690  | --                      | <20     | <20       | <40     | 180   |
|                                                                                                                                                                                               | 20-Jun-95   | 8.9           | 2.0           | 6.80  | 1900 | --                      | 24      | 21        | <30     | <20   |
|                                                                                                                                                                                               | 30-Aug-95   | 8.2           | 2.0           | 6.90  | 2000 | --                      | <20     | <20       | <40     | <20   |
|                                                                                                                                                                                               | 28-Nov-95   | 9.1           | <1            | 7.00  | 1900 | --                      | 23      | 31        | 43      | 24    |
|                                                                                                                                                                                               | 27-Mar-96   | 140.0         | <10           | 7.20  | 2000 | --                      | <20     | <20       | 46      | <20   |
|                                                                                                                                                                                               | 18-Jun-96   | 12.0          | <10           | 6.90  | 2000 | --                      | <20     | <20       | <20     | <20   |
|                                                                                                                                                                                               | 20-Aug-96   | 32.0          | <5            | 7.10  | 1900 | --                      | <20     | <20       | <20     | 30    |
|                                                                                                                                                                                               | 11-Nov-96   | 18.0          | 5.0           | 7.10  | 2000 | --                      | <20     | <20       | 30      | 60    |
|                                                                                                                                                                                               | 19-Feb-97   | NS            | NS            | NS    | NS   | NS                      | NS      | NS        | NS      | NS    |
|                                                                                                                                                                                               | 9-May-97    | 13.0          | 17.0          | 6.67  | 1940 | 9.7                     | <10     | <10       | 71      | 90    |
|                                                                                                                                                                                               | 12-Aug-97   | 6.0           | 4.0           | 5.98  | 1810 | 12.8                    | <10     | <10       | 88      | 60    |
|                                                                                                                                                                                               | 15-Nov-97   | 8.0           | 12.0          | 6.50  | 2000 | 12.0                    | <10     | 10        | 125     | 100   |
|                                                                                                                                                                                               | 9-Feb-98    | 6.0           | 8.0           | 6.40  | 1960 | 11.5                    | <10     | <10       | 73      | 60    |
|                                                                                                                                                                                               | 14-May-98   | 12.0          | 15.0          | 6.90  | 1760 | 17.4                    | <10     | 20        | 13      | 200   |
|                                                                                                                                                                                               | 14-Aug-98   | 5.0           | 6.0           | 6.70  | --   | --                      | <10     | <10       | 15      | 160   |
|                                                                                                                                                                                               | 13-Nov-98   | 5.0           | 12.0          | 6.50  | 1990 | 16.5                    | <10     | <10       | 20      | 220   |
|                                                                                                                                                                                               | 19-Mar-99   | 5.7           | 8.0           | 6.80  | 1334 | 13.6                    | <10     | 10        | 14      | 60    |
|                                                                                                                                                                                               | 6-May-99    | 5.6           | 16.0          | 6.85  | 3250 | 26.2                    | <10     | <10       | 15      | 20    |
|                                                                                                                                                                                               | 23-Jul-99   | 5.7           | 3.0           | 6.30  | 1470 | 18.9                    | <5      | 9         | 13      | 19    |
|                                                                                                                                                                                               | 22-Oct-99   | 5.0           | 3.0           | 5.86  | 1750 | 12.1                    | <10     | <10       | 16      | 30    |
|                                                                                                                                                                                               | 14-Mar-00   | 5.6           | <1            | 7.60  | 1410 | 10.7                    | <10     | <10       | 15      | 20    |
|                                                                                                                                                                                               | 20-Jun-00   | 7.0           | 3.0           | 6.90  | 1410 | 18.3                    | <10     | <10       | 12      | 20    |
|                                                                                                                                                                                               | 13-Sep-00   | 5.9           | 5.0           | 7.50  | 1650 | 15.1                    | <5      | <10       | 14      | 20    |
|                                                                                                                                                                                               | 10-Nov-00   | 6.4           | 2.0           | 7.20  | 1470 | 11.8                    | <10     | 100       | 10      | 150   |
|                                                                                                                                                                                               | 12-Mar-01   | 6.0           | 1.0           | 7.43  | 1530 | 12.8                    | <10     | <10       | 7       | 10    |
|                                                                                                                                                                                               | 24-May-01   | 9.4           | 10.0          | 7.56  | 1380 | 11.9                    | <10     | <10       | 10      | 20    |
|                                                                                                                                                                                               | 31-Aug-01   | 5.3           | 10.6          | 7.49  | 1450 | 12.5                    | <5      | <10       | 14      | 9     |
|                                                                                                                                                                                               | 16-Nov-01   | 5.1           | 3.0           | 6.77  | 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          | 7.23  | 1470 | 13.8                    | <10     | <10       | <5      | 40    |
|                                                                                                                                                                                               | 5-Sep-02    | 4.7           | 6.0           | 6.60  | --   | --                      | <5      | <5        | 14      | 140   |
|                                                                                                                                                                                               | 12-Dec-02   | NS            | NS            | NS    | NS   | NS                      | NS      | NS        | NS      | NS    |
|                                                                                                                                                                                               | 18-Mar-03   | 6.7           | 8.0           | 6.81  | 1290 | 12                      | <5      | <5        | 9       | 99    |
|                                                                                                                                                                                               | 4-Jun-03    | 2.0           | 11.0          | 6.78  | 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          | 6.99  | 1318 | 12.5                    | <5      | <5        | 8       | <5    |
|                                                                                                                                                                                               | 19-Nov-04   | 3.4           | 2.0           | 6.85  | 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           | 6.00  | 1640 | 13.4                    | <5      | <5        | 13      | 21    |
|                                                                                                                                                                                               | 17-Jan-06   | 5.9           | 12785         | 10.01 | 1630 | 8.4                     | <5      | <5        | 13      | 8     |
|                                                                                                                                                                                               | Re-sample   | 14-Feb-06     | --            | 7.88  | 1800 | 8.5                     | --      | --        | 14      | --    |
|                                                                                                                                                                                               | 29-Jun-06   | NS            | NS            | NS    | NS   | NS                      | NS      | NS        | NS      | NS    |
|                                                                                                                                                                                               | 28-Nov-06   | 4.7           | 438           | 7.73  | 1940 | 13.2                    | <5      | <4        | 13      | 6     |
|                                                                                                                                                                                               | 6-Jun-07    | 4.9           | 11            | 6.76  | 1990 | 11.7                    | 13      | 4         | 20      | 8     |
|                                                                                                                                                                                               | 12-Nov-07   | 5.9           | 70            | 6.76  | 2030 | 12.4                    | 4       | 5         | 21      | 11    |
|                                                                                                                                                                                               | 24-Jun-08   | 5.0           | 371           | 6.89  | 2060 | 13.3                    | <5      | <1        | 25      | 5     |
|                                                                                                                                                                                               | 17-Nov-08   | 5.8           | 23            | 6.06  | 2060 | 9.2                     | <5      | <1        | 22      | <5    |
|                                                                                                                                                                                               | 23-Jun-09   | 5.5           | 88            | 7.01  | 2050 | 13.6                    | <5      | 11        | 27      | 36    |
|                                                                                                                                                                                               | 17-Nov-09   | 6             | 8             | 7.07  | 2090 | 10.3                    | <5      | <4        | 22      | 7     |
|                                                                                                                                                                                               | 14-Jun-10   | 6             | 10            | 7.05  | 2070 | 13.1                    | 8       | <4        | 16      | 6     |
|                                                                                                                                                                                               | 20-Jun-11   | 6.7           | 9             | 7.33  | 2010 | 12.2                    | 30      | <4        | 27      | 39    |
|                                                                                                                                                                                               | Re-sample   | 14-Jul-11     | --            | --    | --   | --                      | <5      | --        | --      | --    |
|                                                                                                                                                                                               | 14-Nov-11   | 7.0           | 316           | 6.93  | 2080 | 11.5                    | <5      | <4        | 20      | <5    |
|                                                                                                                                                                                               | 25-Jun-12   | 6.0           | 6             | 5.75  | 1870 | 11.9                    | <5      | 4         | 25      | <5    |
|                                                                                                                                                                                               | Duplicate   | 25-Jun-12     | 6.0           | 5.75  | 1872 | 11.9                    | <5      | 6         | 25      | 10    |
|                                                                                                                                                                                               | 5-Dec-12    | 5.8           | 2             | 6.76  | 1820 | 10.6                    | <5      | <4        | 24      | 10    |
|                                                                                                                                                                                               | Duplicate   | 5-Dec-12      | 5.8           | 3     | 6.76 | 1814                    | 10.6    | <5        | 24      | 8     |
|                                                                                                                                                                                               | 6-Jun-13    | 6.1           | 4             | 6.71  | 1882 | 11.0                    | <5      | <4        | 22      | <5    |
|                                                                                                                                                                                               | 4-Nov-13    | 5.0           | <1            | 6.71  | 1630 | 11.2                    | <5      | <4        | 18      | <5    |
|                                                                                                                                                                                               | 23-Jun-14   | 5.0           | 3             | 6.82  | 1579 | 13.2                    | <5      | <4        | 18      | <5    |
|                                                                                                                                                                                               | 18-Nov-14   | 4.1           | 2             | 6.27  | 1525 | 6.6                     | <5      | <4        | 25      | 20    |
|                                                                                                                                                                                               | 25-Jun-15   | 4.5           | 2             | 6.64  | 1507 | 11.2                    | <5      | 6         | 21      | 10    |
|                                                                                                                                                                                               | 17-Nov-15   | 3.6           | 1             | 6.64  | 1423 | 11.7                    | <5      | <5        | 20      | 5     |

See notes on page 6.



| TABLE 1                                                        |             |               |               |      |      |                         |           |         |       |     |
|----------------------------------------------------------------|-------------|---------------|---------------|------|------|-------------------------|-----------|---------|-------|-----|
| RACER Trust - Coldwater Road Landfill Facility                 |             |               |               |      |      |                         |           |         |       |     |
| Landfill Leak Detection Vaults - Historical Analytical Results |             |               |               |      |      |                         |           |         |       |     |
| Inorganics and Metals                                          |             |               |               |      |      |                         |           |         |       |     |
| Indicator Parameters                                           |             |               |               |      |      | Dissolved Metals (µg/L) |           |         |       |     |
| Vault                                                          | Sample Date | TOC<br>(mg/L) | TSS<br>(mg/L) | pH   | SpC  | Temp                    | 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           | 6.90 | 1900 | --                      | <20       | <20     | <20   | <20 |
|                                                                | 20-Aug-96   | NS            | NS            | NS   | NS   | NS                      | NS        | NS      | NS    | NS  |
|                                                                | 11-Nov-96   | 17.0          | 66.0          | 7.00 | 1600 | --                      | <20       | <20     | 20    | 40  |
|                                                                | 19-Feb-97   | 7.0           | 4             | 7.10 | 1590 | 8.9                     | <10       | <10     | 43    | 20  |
|                                                                | 7-May-97    | 7.0           | 4             | 6.50 | 1930 | 13.8                    | <10       | <10     | 45    | 20  |
|                                                                | 12-Aug-97   | 5.0           | 3.0           | 6.45 | 663  | 26.0                    | <10       | <10     | 26    | 60  |
|                                                                | 15-Nov-97   | 6.0           | 4.0           | 6.80 | 1400 | 11.0                    | <10       | <10     | 96    | 50  |
|                                                                | 9-Feb-98    | 7.0           | 8.0           | 6.60 | 1560 | 12.6                    | <10       | <10     | 57    | 20  |
|                                                                | 14-May-98   | 6.0           | 3.0           | 6.90 | 1490 | 11.2                    | <10       | <10     | 14    | 30  |
|                                                                | 14-Aug-98   | 4.0           | 7.0           | 6.60 | --   | --                      | <10       | <10     | 10    | 14  |
|                                                                | 13-Nov-98   | 6.0           | 18.0          | 6.30 | 1940 | 20.6                    | <10       | 10      | 17    | 80  |
|                                                                | 19-Mar-99   | 4.2           | 6.0           | 6.50 | 817  | 14.2                    | <10       | <10     | 5     | <10 |
|                                                                | 6-May-99    | 5.6           | 4.0           | 7.00 | 1330 | 26.2                    | <10       | 10      | 6     | 20  |
|                                                                | 23-Jul-99   | 5.8           | 3.0           | 6.50 | 1070 | 16.2                    | <5        | 13      | 10    | 18  |
|                                                                | 22-Oct-99   | 5.0           | 5.0           | 6.23 | 1440 | 11.0                    | <10       | <10     | 16    | 20  |
|                                                                | 14-Mar-00   | 6.6           | <1            | 8.00 | 900  | 11.0                    | <10       | <10     | 8     | 20  |
|                                                                | 20-Jun-00   | 7.1           | 7.0           | 6.80 | 1120 | 17.3                    | <10       | 30      | 9     | 30  |
|                                                                | 13-Sep-00   | 5.4           | <1            | 7.40 | 1560 | 15.6                    | <5        | 10      | 8     | 20  |
|                                                                | 10-Nov-00   | 6.8           | 1.0           | 7.10 | 1280 | 11.6                    | <5        | 40      | 14    | 90  |
|                                                                | 12-Mar-01   | 5.2           | 5.0           | 7.36 | 1460 | 12.3                    | <10       | <10     | 7     | 20  |
|                                                                | 24-May-01   | 8.5           | 10.0          | 7.58 | 1280 | 13.0                    | <10       | 20      | 12    | 40  |
|                                                                | 31-Aug-01   | 3.9           | <1.3          | 7.78 | 1370 | 12.9                    | <5        | <10     | 11    | 20  |
|                                                                | 16-Nov-01   | 5.7           | 2.0           | 7.12 | 1230 | 13.1                    | <10       | 10      | 8     | 60  |
|                                                                | 8-Mar-02    | 5.4           | 2.0           | 6.99 | 2400 | 8.5                     | <10       | 10      | <5    | 70  |
|                                                                | 31-May-02   | 5.1           | 3.0           | 7.23 | 1070 | 14.2                    | <10       | <10     | <5    | 20  |
|                                                                | 5-Sep-02    | 4.8           | 4.0           | 6.70 | --   | --                      | <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           | 6.98          | 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           | 7.12          | 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          | 7.42          | 1380 | 12.3 | <5                      | 5         | <5      | 16    |     |
| 30-Jun-04                                                      | 4.1         | 396.0         | 6.98          | 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           | 6.07          | 1560 | 12.8 | <5                      | <5        | 14      | 20    |     |
| 1-Dec-05                                                       | 4.7         | <1            | 6.87          | 1310 | 9.1  | <5                      | <5        | 8       | 50    |     |
| Re-sample                                                      | 14-Feb-06   | --            | --            | 7.70 | 1520 | 6.1                     | --        | <4      | --    | --  |
| Duplicate                                                      | 29-Jun-06   | 2.6           | 1.0           | 7.04 | 1050 | 13.9                    | <5        | <4      | 5     | 8   |
| 28-Nov-06                                                      | 5.5         | 4.0           | 7.46          | 1380 | 13.0 | <5                      | <4        | 8       | 11    |     |
| Duplicate                                                      | 28-Nov-06   | 4.7           | --            | 7.17 | 1340 | 13.0                    | 5         | 4       | 7     | 11  |
| 6-Jun-07                                                       | 4.7         | 2.0           | 6.34          | 1670 | 12.1 | 9                       | 6         | 13      | 16    |     |
| 12-Nov-07                                                      | 3.8         | 1.0           | 6.93          | 1690 | 12.6 | 2                       | 5         | 16      | 14    |     |
| 24-Jun-08                                                      | 3.2         | 6.0           | 6.95          | 1880 | 14.0 | <5                      | 2         | 8       | 9     |     |
| 17-Nov-08                                                      | 2.4         | <1            | 6.89          | 1818 | 9.6  | <5                      | 2         | 8       | 15    |     |
| Duplicate                                                      | 17-Nov-08   | 1.7           | 2.0           | 6.89 | 1820 | 9.6                     | <5        | 1       | 8     | 15  |
| 23-Jun-09                                                      | 3.6         | 4.0           | 7.13          | 1780 | 13.3 | <5                      | 1         | 6       | 17    |     |
| 17-Nov-09                                                      | 3           | 0             | 6.99          | 1970 | 10.9 | <5                      | <4        | 9       | 17    |     |
| 14-Jun-10                                                      | 3           | 2             | 6.90          | 1810 | 12.1 | 8                       | <4        | 5       | 20    |     |
| 8-Nov-10                                                       | 4           | 3             | 6.93          | 1911 | 12.2 | 21                      | <4        | 11      | 17    |     |
| Re-sample                                                      | 1-Dec-10    | --            | --            | 6.93 | --   | 12.2                    | 6         | --      | --    | --  |
| 20-Jun-11                                                      | 3.4         | 1             | 7.03          | 1496 | 12.2 | 28                      | <4        | 11      | 16    |     |
| Re-sample                                                      | 14-Jul-11   | --            | --            | --   | --   | <5                      | --        | --      | --    | --  |
| 14-Nov-11                                                      | 3.0         | 1             | 6.93          | 1948 | 12.0 | <5                      | <4        | 7       | 9     |     |
| 25-Jun-12                                                      | 3.0         | 4             | 6.16          | 1781 | 12.5 | <5                      | <4        | <5      | 8     |     |
| 5-Dec-12                                                       | 3.2         | 5             | 6.85          | 1936 | 10.2 | <5                      | 6         | 9       | 15    |     |
| 6-Jun-13                                                       | 3.2         | <1            | 6.66          | 1455 | 10.8 | <5                      | <4        | 6       | 7     |     |
| 4-Nov-13                                                       | 3.0         | 1             | 6.74          | 1750 | 11.8 | <5                      | <4        | 5       | 14    |     |
| 23-Jun-14                                                      | 3.2         | 1             | 6.87          | 1369 | 12.3 | <5                      | <4        | <5      | 7     |     |
| 18-Nov-14                                                      | 2.7         | 3             | 7.05          | 1656 | 7.1  | <5                      | <4        | 13      | 10    |     |
| 25-Jun-15                                                      | 3.0         | <1            | 7.07          | 1513 | 13.4 | <5                      | 5         | 11      | 12    |     |
| 17-Nov-15                                                      | 2.6         | 3             | 6.76          | 1635 | 11.7 | <5                      | <5        | 9       | 10    |     |

See notes on page 6.



| <b>TABLE 1</b><br><b>RACER Trust - Coldwater Road Landfill Facility</b><br><b>Landfill Leak Detection Vaults - Historical Analytical Results</b><br><b>Inorganics and Metals</b> |             |               |               |      |      |      |                         |           |         |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|---------------|------|------|------|-------------------------|-----------|---------|-------|
| Indicator Parameters                                                                                                                                                             |             |               |               |      |      |      | Dissolved Metals (µg/L) |           |         |       |
| Vault                                                                                                                                                                            | Sample Date | TOC<br>(mg/L) | TSS<br>(mg/L) | pH   | SpC  | Temp | 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            | 7.40 | 530  | --   | 25                      | 25        | <30     | 60    |
|                                                                                                                                                                                  | 30-Aug-95   | 3.7           | <1            | 7.40 | 340  | --   | <20                     | <20       | <40     | 74    |
|                                                                                                                                                                                  | 28-Nov-95   | 7.6           | <1            | 7.00 | 2200 | --   | 29                      | 37        | 67      | 36    |
|                                                                                                                                                                                  | 27-Mar-96   | NS            | NS            | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|                                                                                                                                                                                  | 18-Jun-96   | 7.7           | <10           | 6.90 | 2000 | --   | <20                     | <20       | <20     | <20   |
|                                                                                                                                                                                  | 20-Aug-96   | 8.3           | <5            | 6.90 | 1900 | --   | <20                     | <20       | <20     | 40    |
|                                                                                                                                                                                  | 11-Nov-96   | 16.0          | 9.0           | 7.00 | 2100 | --   | <20                     | <20       | <20     | 80    |
|                                                                                                                                                                                  | 19-Feb-97   | 7.0           | 1.0           | 7.60 | 1610 | 9.0  | <10                     | <10       | 45      | 30    |
|                                                                                                                                                                                  | 7-May-97    | 6.0           | 10.0          | 6.57 | 1730 | 12.5 | <10                     | 100       | 66      | 20    |
|                                                                                                                                                                                  | 8-Aug-97    | 4.0           | 13.0          | 6.34 | 1610 | 24.1 | <10                     | <10       | 79      | 20    |
|                                                                                                                                                                                  | 15-Nov-97   | 6.0           | 4.0           | 6.70 | 2000 | 12.0 | <10                     | <10       | 122     | 50    |
|                                                                                                                                                                                  | 9-Feb-98    | 8.0           | 4.0           | 6.50 | 1720 | 12.2 | <10                     | <10       | 64      | 50    |
|                                                                                                                                                                                  | 14-May-98   | 6.0           | 3.0           | 6.90 | 1600 | 12.1 | <10                     | <10       | 23      | 40    |
|                                                                                                                                                                                  | 14-Aug-98   | 6.0           | 5.0           | 6.80 | --   | --   | <10                     | <10       | 23      | 40    |
|                                                                                                                                                                                  | 13-Nov-98   | 6.0           | 12.0          | 6.30 | 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           | 7.00 | 1300 | 15.6 | <10                     | <10       | 19      | 20    |
|                                                                                                                                                                                  | 6-May-99    | 6.1           | 8.0           | 6.90 | 1600 | 26.6 | <10                     | 10        | 20      | 20    |
|                                                                                                                                                                                  | 23-Jul-99   | 6.5           | 0.0           | 6.70 | 1370 | 17.3 | <5                      | 12        | 20      | 20    |
|                                                                                                                                                                                  | 22-Oct-99   | 6.4           | 5.0           | 6.57 | 1160 | 11.0 | <10                     | <10       | 18      | 10    |
|                                                                                                                                                                                  | 14-Mar-00   | 6.5           | 1.0           | 7.80 | 1350 | 12.6 | <10                     | <10       | 17      | 10    |
|                                                                                                                                                                                  | 20-Jun-00   | 6.0           | 4.0           | 6.90 | 1280 | 18.3 | <10                     | 140       | 19      | 170   |
|                                                                                                                                                                                  | 13-Sep-00   | 6.1           | <1            | 7.60 | 1430 | 14.9 | <5                      | <10       | 16      | 20    |
|                                                                                                                                                                                  | 10-Nov-00   | 10.6          | 4.0           | 6.80 | 1210 | 12.1 | <10                     | <10       | 17      | 40    |
|                                                                                                                                                                                  | 12-Mar-01   | 6.3           | 4.0           | 7.69 | 1380 | 12.1 | <10                     | <10       | 8       | <10   |
|                                                                                                                                                                                  | 24-May-01   | 9.2           | 8.0           | 7.54 | 1410 | 13.3 | <10                     | <10       | 17      | 30    |
|                                                                                                                                                                                  | 31-Aug-01   | 5.4           | 4.0           | 7.44 | 1530 | 13.1 | <5                      | <10       | 16      | 20    |
|                                                                                                                                                                                  | 16-Nov-01   | 6.0           | 2.0           | 6.79 | 1170 | 13.2 | <10                     | <10       | 15      | 60    |
|                                                                                                                                                                                  | 8-Mar-02    | 4.0           | 1.0           | 7.09 | 1680 | 11.3 | <10                     | 10        | <5      | 20    |
|                                                                                                                                                                                  | 31-May-02   | 5.1           | 7.0           | 7.17 | 1280 | 14.2 | <10                     | <10       | 14      | 40    |
|                                                                                                                                                                                  | 5-Sep-02    | 5.0           | 7.0           | 6.69 | --   | --   | <5                      | <5        | 14      | 39    |
|                                                                                                                                                                                  | 12-Dec-02   | 4.2           | 7.0           | 6.90 | 1330 | 12.1 | <5                      | <5        | 12      | 53    |
|                                                                                                                                                                                  | 18-Mar-03   | 5.7           | 4.0           | 6.80 | 1260 | 10.7 | <5                      | <5        | 10      | 37    |
|                                                                                                                                                                                  | 4-Jun-03    | 4.4           | 6.0           | 6.92 | 1150 | 11.0 | <5                      | <5        | 8       | <5    |
|                                                                                                                                                                                  | 5-Oct-03    | 4.4           | 4.0           | 6.99 | 1230 | 13.6 | <5                      | <5        | 14      | 28    |
|                                                                                                                                                                                  | 8-Dec-03    | 3.8           | 6.0           | 7.14 | 1520 | 11.6 | <5                      | 11        | 14      | 63    |
|                                                                                                                                                                                  | 27-Feb-04   | 4.6           | 1.0           | 7.39 | 1410 | 12.1 | <5                      | <5        | 12      | 36    |
|                                                                                                                                                                                  | 30-Jun-04   | 3.7           | 14.0          | 6.96 | 1008 | 12.2 | <5                      | <5        | 12      | 8     |
|                                                                                                                                                                                  | 19-Nov-04   | 4.3           | 4.0           | 6.90 | 1090 | 11.7 | <5                      | <5        | 20      | 6     |
|                                                                                                                                                                                  | 15-Jun-05   | 5.0           | 6.0           | 6.26 | 1460 | 12.5 | <5                      | <5        | 15      | 39    |
|                                                                                                                                                                                  | 1-Dec-05    | 5.9           | 2.0           | 6.92 | 1620 | 11.1 | <5                      | <5        | 18      | 15    |
|                                                                                                                                                                                  | 29-Jun-06   | 2.6           | 5.0           | 6.90 | 2260 | 15.2 | 5                       | <4        | 10      | 11    |
|                                                                                                                                                                                  | 28-Nov-06   | 11.6          | 44.0          | 7.04 | 1430 | 13.4 | <5                      | 5         | 15      | <5    |
|                                                                                                                                                                                  | 6-Jun-07    | 4.9           | 6.0           | 6.54 | 1510 | 12.2 | 9                       | 5         | 11      | 6     |
|                                                                                                                                                                                  | 12-Nov-07   | 4.3           | 1.0           | 6.90 | 1490 | 13.2 | 2                       | 5         | 16      | 12    |
|                                                                                                                                                                                  | 24-Jun-08   | 4.2           | 49.0          | 6.91 | 1620 | 13.4 | <5                      | <1        | 9       | <5    |
|                                                                                                                                                                                  | 17-Nov-08   | 4.4           | 6.0           | 6.79 | 1600 | 9.4  | <5                      | <1        | 10      | 11    |
|                                                                                                                                                                                  | 23-Jun-09   | 4.6           | 9.0           | 7.16 | 1660 | 13.7 | <5                      | <1        | 8       | 6     |
|                                                                                                                                                                                  | 17-Nov-09   | 5             | 15            | 7.11 | 1650 | 11.5 | <5                      | <4        | 9       | 6     |
|                                                                                                                                                                                  | 17-Nov-09   | 5             | 20            | 7.11 | 1650 | 11.5 | <5                      | <4        | 9       | 6     |
|                                                                                                                                                                                  | 14-Jun-10   | 5             | 4             | 7.01 | 1710 | 12.4 | 7                       | <4        | 7       | 7     |
|                                                                                                                                                                                  | 8-Nov-10    | 6             | 7             | 7.16 | 1670 | 12.7 | 16                      | <4        | 11      | <5    |
|                                                                                                                                                                                  | 20-Jun-11   | 5.4           | 5             | 7.28 | 1686 | 12.9 | 25                      | <4        | 15      | 22    |
|                                                                                                                                                                                  | 20-Jun-11   | 5.9           | 5             | 7.28 | 1688 | 12.9 | 24                      | <4        | 14      | 21    |
|                                                                                                                                                                                  | 14-Jul-11   | --            | --            | --   | --   | --   | <5                      | --        | --      | --    |
|                                                                                                                                                                                  | 14-Nov-11   | 5.0           | 5             | 6.97 | 1699 | 12.4 | <5                      | <4        | 10      | <5    |
|                                                                                                                                                                                  | 25-Jun-12   | 5.0           | 7             | 6.83 | 1748 | 13.0 | <5                      | <4        | 6       | <5    |
|                                                                                                                                                                                  | 5-Dec-12    | 5.4           | 1             | 6.91 | 1713 | 11.1 | <5                      | 11        | 16      | 9     |
|                                                                                                                                                                                  | 6-Jun-13    | 5.4           | 22            | 6.66 | 1744 | 12.2 | <5                      | <4        | 10      | 6     |
|                                                                                                                                                                                  | 4-Nov-13    | 5.3           | 1             | 6.84 | 1703 | 11.8 | <5                      | <4        | 8       | <5    |
|                                                                                                                                                                                  | 23-Jun-14   | 5.7           | 4             | 7.01 | 1759 | 12.3 | <5                      | 5         | 10      | <5    |
|                                                                                                                                                                                  | 18-Nov-14   | 4.6           | 4             | 7.09 | 1724 | 7.4  | <5                      | <4        | 18      | 5     |
|                                                                                                                                                                                  | 25-Jun-15   | 5.1           | 6             | 6.87 | 1788 | 12.4 | <5                      | 6         | 14      | 8     |
|                                                                                                                                                                                  | 17-Nov-15   | 4.4           | 0             | 6.84 | 1706 | 12.1 | <5                      | <5        | 17      | <5    |

See notes on page 6.



| <b>TABLE 1</b><br><b>RACER Trust - Coldwater Road Landfill Facility</b><br><b>Landfill Leak Detection Vaults - Historical Analytical Results</b><br><b>Inorganics and Metals</b> |             |               |               |      |      |                         |         |           |         |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|---------------|------|------|-------------------------|---------|-----------|---------|-------|
| Indicator Parameters                                                                                                                                                             |             |               |               |      |      | Dissolved Metals (µg/L) |         |           |         |       |
| Vault                                                                                                                                                                            | Sample Date | TOC<br>(mg/L) | TSS<br>(mg/L) | pH   | SpC  | Temp                    | 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          | 7.30 | 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         | 6.90 | 1800 | --                      | <20     | <20       | <20     | 20    |
|                                                                                                                                                                                  | 20-Aug-96   | 40.0          | <5            | 7.20 | 1600 | --                      | <20     | <20       | <20     | 40    |
|                                                                                                                                                                                  | 11-Nov-96   | 23.0          | 9.0           | 7.00 | 1700 | --                      | <20     | <20       | 40      | 70    |
|                                                                                                                                                                                  | 19-Feb-97   | NS            | NS            | NS   | NS   | NS                      | NS      | NS        | NS      | NS    |
|                                                                                                                                                                                  | 9-May-97    | 23.0          | 76.0          | 6.69 | 1580 | 8.8                     | <10     | <10       | 58      | 70    |
|                                                                                                                                                                                  | 8-Aug-97    | 11.0          | 44.0          | 6.48 | 1540 | 28.5                    | <10     | <10       | 79      | 20    |
|                                                                                                                                                                                  | 15-Nov-97   | 12.0          | 6.0           | 6.60 | 1800 | 11.0                    | <10     | <10       | 114     | 30    |
|                                                                                                                                                                                  | 9-Feb-98    | 12.0          | 52.0          | 6.50 | 1655 | 12.5                    | <10     | <10       | 66      | 40    |
|                                                                                                                                                                                  | 14-May-98   | 10.0          | 40.0          | 7.00 | 1700 | 16.3                    | <10     | 30        | 23      | 50    |
|                                                                                                                                                                                  | 14-Aug-98   | 11.0          | 57.0          | 6.60 | --   | --                      | <10     | <10       | 23      | 40    |
|                                                                                                                                                                                  | 13-Nov-98   | 11.0          | 22.0          | 6.70 | 1790 | 15.2                    | <10     | <10       | 20      | 30    |
|                                                                                                                                                                                  | 19-Mar-99   | 6.3           | 2.0           | 7.00 | 1302 | 14.8                    | <10     | 30        | 20      | 40    |
|                                                                                                                                                                                  | 6-May-99    | 12.4          | 28.0          | 6.90 | 1510 | 25.2                    | <10     | 30        | 15      | 30    |
|                                                                                                                                                                                  | 23-Jul-99   | 11.0          | 40.0          | 7.00 | 1231 | 21.0                    | <5      | 9         | 21      | 19    |
|                                                                                                                                                                                  | 22-Oct-99   | 10.6          | 13.0          | 6.76 | 1384 | 10.3                    | <10     | <10       | 23      | 20    |
|                                                                                                                                                                                  | 14-Mar-00   | 10.7          | 57.0          | 7.80 | 1460 | 13.0                    | <10     | <10       | 15      | 20    |
|                                                                                                                                                                                  | 20-Jun-00   | 10.1          | 23.0          | 6.80 | 1410 | 18.7                    | <10     | 60        | 21      | 70    |
|                                                                                                                                                                                  | 13-Sep-00   | 10.7          | 7.0           | 7.60 | 1370 | 16.1                    | <5      | <10       | 21      | 20    |
|                                                                                                                                                                                  | 10-Nov-00   | 7.0           | 10.0          | 7.20 | 1630 | 12.2                    | <10     | <10       | 23      | 20    |
|                                                                                                                                                                                  | 12-Mar-01   | 5.6           | 33.0          | 7.84 | 1710 | 12.9                    | <10     | <10       | 11      | 10    |
|                                                                                                                                                                                  | 24-May-01   | 12.0          | 16.0          | 7.48 | 1760 | 13.1                    | <10     | 10        | 18      | 30    |
|                                                                                                                                                                                  | 31-Aug-01   | 9.8           | 8.0           | 7.66 | 1420 | 12.8                    | 5       | <10       | 24      | 20    |
|                                                                                                                                                                                  | 16-Nov-01   | 7.4           | 20.0          | 7.58 | 1270 | 12.9                    | <10     | 10        | 17      | 50    |
|                                                                                                                                                                                  | 8-Mar-02    | 8.4           | 3.0           | 7.18 | 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          | 6.77 | 1380 | 11.6                    | <5      | 5.0       | 10.0    | 19    |
|                                                                                                                                                                                  | 4-Jun-03    | 9.6           | 5.0           | 6.91 | 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           | 6.92 | 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           | 6.96 | 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           | 5.90 | 1540 | 12.9                    | <5      | <5        | 25      | 17    |
| Re-sample                                                                                                                                                                        | 17-Jan-06   | 6.2           | 8.0           | 7.34 | 1600 | 7.9                     | 6       | 14        | 37      | <5    |
|                                                                                                                                                                                  | 14-Feb-06   | --            | --            | 7.96 | 1520 | 9.2                     | --      | 5         | --      | --    |
|                                                                                                                                                                                  | 29-Jun-06   | 5.9           | 51.0          | 6.98 | 1570 | 13.9                    | 6       | <4        | 26      | 14    |
|                                                                                                                                                                                  | 28-Nov-06   | 7.2           | 13.0          | 7.18 | 1590 | 13.1                    | <5      | <4        | 17      | 7     |
| Duplicate                                                                                                                                                                        | 6-Jun-07    | 6.9           | 7.0           | 7.30 | 1530 | 14.2                    | 9       | 5         | 34      | 8     |
|                                                                                                                                                                                  | 12-Nov-07   | 7.3           | 5.0           | 6.91 | 1580 | 12.3                    | 3       | 5         | 23      | 12    |
|                                                                                                                                                                                  | 12-Nov-07   | 6.0           | 7.0           | 6.91 | 1570 | 12.3                    | 3       | 5         | 23      | 9     |
|                                                                                                                                                                                  | 24-Jun-08   | 4.1           | 4.0           | 6.87 | 1570 | 15.4                    | <5      | <1        | 35      | <5    |
| Duplicate                                                                                                                                                                        | 17-Nov-08   | 5.6           | 10.0          | 7.42 | 1580 | 8.0                     | <5      | 1         | 17      | 6     |
|                                                                                                                                                                                  | 23-Jun-09   | 7.0           | 20.0          | 7.17 | 1570 | 13.7                    | <5      | <1        | 34      | 5     |
|                                                                                                                                                                                  | 17-Nov-09   | 6.0           | 7             | 7.28 | 1610 | 11.5                    | <5      | <4        | 16      | 7     |
|                                                                                                                                                                                  | 14-Jun-10   | 7.0           | 35            | 7.10 | 1550 | 11.9                    | 8       | <4        | 32      | 11    |
| Duplicate                                                                                                                                                                        | 14-Jun-10   | 7.0           | 1             | 7.10 | 1550 | 11.9                    | 7       | <4        | 33      | 11    |
|                                                                                                                                                                                  | 8-Nov-10    | 9.0           | 31            | 7.41 | 1555 | 13.4                    | 19      | <4        | 18      | <5    |
|                                                                                                                                                                                  | 14-Jul-11   | --            | --            | 7.23 | --   | 18.0                    | <5      | <4        | 40      | <5    |
|                                                                                                                                                                                  | 14-Nov-11   | 9.0           | 5             | 7.04 | 1513 | 11.8                    | <5      | <4        | 25      | <5    |
| Duplicate                                                                                                                                                                        | 25-Jun-12   | 5.0           | 3             | 5.70 | 1367 | 14.5                    | <5      | 16        | 29      | 15    |
|                                                                                                                                                                                  | 5-Dec-12    | 7.3           | 3             | 7.11 | 1471 | 10.4                    | <5      | 11        | 33      | 22    |
|                                                                                                                                                                                  | 6-Jun-13    | 7.5           | 3             | 6.76 | 1534 | 11.5                    | <5      | 5         | 18      | 75    |
|                                                                                                                                                                                  | 4-Nov-13    | 7.2           | <1            | 7.03 | 1565 | 11.8                    | <5      | 4         | 13      | 7     |
| Duplicate                                                                                                                                                                        | 4-Nov-13    | 7.6           | <1            | 7.03 | 1562 | 11.8                    | <5      | <4        | 13      | 9     |
|                                                                                                                                                                                  | 23-Jun-14   | 8.0           | 7             | 7.10 | 1592 | 12.2                    | <5      | 4         | 15      | 9     |
|                                                                                                                                                                                  | 23-Jun-14   | 7.9           | 2             | 7.10 | 1591 | 12.2                    | <5      | <4        | 16      | 8     |
|                                                                                                                                                                                  | 18-Nov-14   | 6.2           | 2             | 7.02 | 1635 | 7.6                     | <5      | 10        | 20      | 11    |
| Duplicate                                                                                                                                                                        | 18-Nov-14   | 6.0           | <1            | 7.02 | 1640 | 7.6                     | <5      | 5         | 21      | 12    |
|                                                                                                                                                                                  | 25-Jun-15   | 6.9           | 3             | 6.93 | 1643 | 11.8                    | <5      | 8         | 23      | 17    |
|                                                                                                                                                                                  | 17-Nov-15   | 5.7           | 3             | 6.84 | 1729 | 12.2                    | <5      | <5        | 17      | 10    |

See notes on page 6.



| <p><b>TABLE 1</b><br/> <b>RACER Trust - Coldwater Road Landfill Facility</b><br/> <b>Landfill Leak Detection Vaults - Historical Analytical Results</b><br/> <b>Inorganics and Metals</b></p> |             |               |               |      |      |                         |           |         |       |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|---------------|------|------|-------------------------|-----------|---------|-------|-----|
| Indicator Parameters                                                                                                                                                                          |             |               |               |      |      | Dissolved Metals (µg/L) |           |         |       |     |
| Vault                                                                                                                                                                                         | Sample Date | TOC<br>(mg/L) | TSS<br>(mg/L) | pH   | SpC  | Temp                    | 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           | 7.20 | 2000 | --                      | <20       | <20     | 46    | <20 |
|                                                                                                                                                                                               | 18-Jun-96   | 9.0           | 76.0          | 7.00 | 2400 | --                      | <20       | <20     | <20   | <20 |
|                                                                                                                                                                                               | 10/04/96    | 5.9           | 19.0          | 6.90 | 2000 | --                      | <20       | <20     | <20   | 20  |
|                                                                                                                                                                                               | 11-Nov-96   | 12.0          | 11.0          | 7.00 | 1800 | --                      | <20       | <20     | <20   | 30  |
|                                                                                                                                                                                               | 19-Feb-97   | NS            | NS            | NS   | NS   | NS                      | NS        | NS      | NS    | NS  |
|                                                                                                                                                                                               | 7-May-97    | 7.0           | 2.0           | 6.33 | 2120 | 15.6                    | <10       | <10     | 35    | 30  |
|                                                                                                                                                                                               | 12-Aug-97   | 5.0           | 27.0          | 6.70 | 1840 | 14.9                    | <10       | <10     | 64    | 40  |
|                                                                                                                                                                                               | 15-Nov-97   | 5.0           | 12.0          | 6.50 | 2100 | 11.0                    | <10       | <10     | 116   | 40  |
|                                                                                                                                                                                               | 9-Feb-98    | 6.0           | 4.0           | 6.60 | 1950 | 12.6                    | <10       | <10     | 54    | 50  |
|                                                                                                                                                                                               | 14-May-98   | 6.0           | 32.0          | 7.10 | 1850 | 13.5                    | <10       | <10     | 7     | 60  |
|                                                                                                                                                                                               | 14-Aug-98   | 4.0           | 8.0           | 6.70 | --   | --                      | <10       | <10     | 8     | 40  |
|                                                                                                                                                                                               | 30-Nov-98   | 3.0           | 14.0          | --   | --   | --                      | 10        | <10     | 46    | 60  |
|                                                                                                                                                                                               | 19-Mar-99   | 4.8           | 20.0          | 6.50 | 1302 | 14.3                    | <10       | 20      | 6     | 30  |
|                                                                                                                                                                                               | 6-May-99    | 8.2           | 14.0          | 6.90 | 1720 | 27.4                    | <10       | <10     | 5     | 20  |
|                                                                                                                                                                                               | 23-Jul-99   | 4.6           | 9.0           | 6.50 | 1468 | 21.8                    | <5        | 11      | 6     | 19  |
|                                                                                                                                                                                               | 22-Oct-99   | 3.5           | 6.0           | 6.33 | 1382 | 11.0                    | <10       | <10     | 6     | 20  |
|                                                                                                                                                                                               | 14-Mar-00   | 5.6           | 48.0          | 8.00 | 1500 | 13.9                    | <10       | <10     | 5     | 10  |
|                                                                                                                                                                                               | 20-Jun-00   | 6.3           | 22.0          | 6.90 | 1430 | 19.6                    | <10       | 30      | <5    | 30  |
|                                                                                                                                                                                               | 13-Sep-00   | 4.1           | 5.0           | 7.70 | 1360 | 15.7                    | <5        | <10     | 5     | 20  |
|                                                                                                                                                                                               | 10-Nov-00   | 4.3           | 4.0           | 7.50 | 1290 | 11.8                    | <10       | 40      | 5     | 60  |
|                                                                                                                                                                                               | 12-Mar-01   | 5.4           | 9.0           | 7.33 | --   | 12.7                    | <10       | <10     | 5     | 10  |
|                                                                                                                                                                                               | 24-May-01   | 8.6           | 10.0          | 7.52 | 1900 | 13.6                    | <10       | 10      | 6     | 40  |
|                                                                                                                                                                                               | 31-Aug-01   | 5.7           | 5.3           | 7.58 | 1810 | 13.2                    | <5        | 10      | 6     | 70  |
|                                                                                                                                                                                               | 16-Nov-01   | 3.6           | <1.0          | 7.46 | 1630 | 12.8                    | <10       | 10      | 6     | 60  |
|                                                                                                                                                                                               | 8-Mar-02    | 6.0           | <1.0          | 7.01 | 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           | 6.92 | 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           | 7.61 | 1190 | 12.1                    | <5        | 6       | 7     | 43  |
|                                                                                                                                                                                               | 30-Jun-04   | 4.9           | 390           | 6.91 | 1337 | 12.7                    | <5        | <5      | 6     | 43  |
|                                                                                                                                                                                               | 19-Nov-04   | 4.3           | 3             | 7.06 | 1230 | 11.4                    | <5        | 7       | 22    | 11  |
|                                                                                                                                                                                               | 15-Jun-05   | 7.0           | 3             | 6.77 | 1790 | 12.6                    | <5        | <5      | 12    | 31  |
|                                                                                                                                                                                               | 1-Dec-05    | 3.7           | <1            | 7.10 | 1630 | 10.9                    | <5        | 66      | <5    | 73  |
|                                                                                                                                                                                               | 29-Jun-06   | 5.8           | 8.0           | 6.94 | 1790 | 14.0                    | 5         | 4       | 6     | 13  |
|                                                                                                                                                                                               | 28-Nov-06   | 6.3           | 134.0         | 7.51 | 1680 | 13.1                    | 5         | 5       | <5    | 10  |
| Duplicate                                                                                                                                                                                     | 6-Jun-07    | 4.6           | 3.0           | 6.48 | 1820 | 12.7                    | 9         | 7       | <5    | 9   |
|                                                                                                                                                                                               | 6-Jun-07    | 4.8           | 3.0           | --   | 1820 | --                      | 10        | 5       | <5    | 8   |
|                                                                                                                                                                                               | 12-Nov-07   | 3.9           | 4.0           | 6.80 | 1740 | 12.0                    | 2         | 4       | 11    | 13  |
|                                                                                                                                                                                               | 24-Jun-08   | 6.0           | 2.0           | 6.76 | 1860 | 13.9                    | <5        | 2       | <5    | 6   |
| Duplicate                                                                                                                                                                                     | 17-Nov-08   | 4.1           | 1.0           | 7.43 | 1630 | 10.3                    | <5        | 2       | <5    | 19  |
|                                                                                                                                                                                               | 23-Jun-09   | 3.2           | 10.0          | 6.79 | 1950 | 14.0                    | <5        | 2       | <5    | 15  |
|                                                                                                                                                                                               | 23-Jun-09   | 3.0           | 17.0          | 6.79 | 1960 | 14.0                    | <5        | 2       | <5    | 14  |
|                                                                                                                                                                                               | 17-Nov-09   | 5.0           | 9             | 6.89 | 1780 | 11.2                    | <5        | <4      | <5    | 14  |
| Duplicate                                                                                                                                                                                     | 14-Jun-10   | 4.0           | 21            | 6.85 | 1910 | 12.5                    | 9         | <4      | <5    | 13  |
|                                                                                                                                                                                               | 8-Nov-10    | 5.0           | <1            | 7.02 | 1714 | 12.4                    | 24        | <4      | <5    | 7   |
|                                                                                                                                                                                               | 8-Nov-10    | 5.0           | 3             | 7.02 | 1715 | 12.4                    | 20        | <4      | <5    | 7   |
|                                                                                                                                                                                               | 20-Jun-11   | 3.4           | 5             | 6.91 | 1711 | 13.0                    | 29        | <4      | 10    | 15  |
| Re-sample                                                                                                                                                                                     | 14-Jul-11   | --            | --            | --   | --   | --                      | <5        | --      | --    | --  |
| Duplicate                                                                                                                                                                                     | 14-Nov-11   | 4.0           | 9             | 6.89 | 1637 | 11.7                    | <5        | <4      | <5    | <5  |
|                                                                                                                                                                                               | 14-Nov-11   | 3.0           | 5             | 6.89 | 1635 | 11.7                    | <5        | <4      | <5    | <5  |
|                                                                                                                                                                                               | 25-Jun-12   | 3.0           | 3             | 6.00 | 1792 | 12.9                    | <5        | <4      | <5    | 7   |
|                                                                                                                                                                                               | 5-Dec-12    | 3.4           | 0             | 6.77 | 1776 | 10.4                    | <5        | <4      | 6     | 11  |
| Duplicate                                                                                                                                                                                     | 6-Jun-13    | 3.3           | 8             | 6.54 | 1397 | 10.6                    | <5        | 6       | <5    | <5  |
|                                                                                                                                                                                               | 4-Nov-13    | 3.0           | 2             | 6.74 | 1741 | 12.0                    | <5        | 4       | 12    | 9   |
|                                                                                                                                                                                               | 23-Jun-14   | 3.3           | <1            | 6.88 | 1677 | 11.7                    | <5        | <4      | <5    | <5  |
|                                                                                                                                                                                               | 18-Nov-14   | 3.0           | 2             | 7.08 | 1747 | 7.5                     | <5        | <4      | 10    | 6   |
|                                                                                                                                                                                               | 25-Jun-15   | 2.9           | 4             | 6.88 | 1456 | 12.6                    | <5        | <5      | 7     | 8   |
|                                                                                                                                                                                               | 25-Jun-15   | 2.9           | 3             | 6.88 | 1460 | 12.6                    | <5        | <5      | 7     | 7   |
|                                                                                                                                                                                               | 17-Nov-15   | 2.7           | 2             | 6.80 | 1435 | 12.9                    | <5        | <5      | 5     | <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<br>(mg/L)                                    | TSS<br>(mg/L) | pH   | SpC  | Temp | 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            | 6.80 | 1400 | --   | <20                     | <20       | <30     | 190   |
|           | 30-Aug-95   | 6.1                                              | <1            | 6.80 | 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          | 6.80 | 1600 | --   | <20                     | <20       | <20     | <20   |
|           | 20-Aug-96   | 4.8                                              | 1500.0        | 7.10 | 1500 | --   | <20                     | 20        | <20     | 50    |
|           | 11-Nov-96   | 14.0                                             | 7100.0        | 7.00 | 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          | 6.14 | 1530 | 20.6 | <10                     | <10       | 64      | 20    |
|           | 15-Nov-97   | 7.0                                              | 56.0          | 6.70 | 1800 | 13.0 | <10                     | <10       | 93      | 130   |
|           | 9-Feb-98    | 5.0                                              | 30.0          | 6.50 | 1750 | 13.5 | <10                     | <10       | 49      | 160   |
|           | 14-May-98   | 5.0                                              | 16.0          | 7.07 | 1400 | 25.4 | <10                     | 20        | 7       | 130   |
|           | 14-Aug-98   | 3.0                                              | 25.0          | 6.60 | --   | --   | <10                     | <10       | 7       | 40    |
|           | 30-Nov-98   | 4.0                                              | 38.0          | --   | --   | --   | 10                      | <10       | 47      | 30    |
|           | 19-Mar-99   | 4.2                                              | 52.0          | 6.80 | 982  | 14.4 | <10                     | 20        | 9       | 20    |
|           | 6-May-99    | 4.6                                              | 50.0          | 7.00 | 1460 | 28.0 | <10                     | 10        | 5       | 30    |
|           | 23-Jul-99   | 3.7                                              | 95.0          | 6.30 | 1262 | 21.2 | 6                       | 17        | 6       | 26    |
|           | 22-Oct-99   | 3.7                                              | 12.0          | 6.29 | 1116 | 12.3 | <10                     | <10       | 6       | 20    |
|           | 14-Mar-00   | 5.4                                              | 81.0          | 8.00 | 1250 | 14.9 | <10                     | <10       | 6       | 30    |
|           | 20-Jun-00   | 4.4                                              | 66.0          | 7.10 | 1310 | 20.1 | <10                     | 40        | <5      | 80    |
|           | 13-Sep-00   | 3.0                                              | 11.0          | 7.40 | 1440 | 15.6 | <5                      | <10       | 6       | 20    |
|           | 10-Nov-00   | 3.9                                              | 41.0          | 6.80 | 1040 | 11.6 | <10                     | 60        | 5       | 100   |
|           | 12-Mar-01   | 5.5                                              | 24.0          | 7.12 | 1110 | 12.3 | <10                     | <10       | 5       | 10    |
|           | 24-May-01   | 7.4                                              | 16.0          | 7.44 | 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          | 7.26 | 1110 | 12.9 | <10                     | 40        | <5      | 100   |
|           | 8-Mar-02    | 4.4                                              | 11.0          | 6.92 | 1290 | 10.4 | <10                     | 10        | <5      | 60    |
|           | 31-May-02   | 2.4                                              | 45.0          | 7.17 | 1200 | 14.3 | <10                     | <10       | 6       | 20    |
|           | 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   | 3.7                                              | 7.0           | 6.78 | 1270 | 12.4 | <5                      | 19        | <5      | 119   |
|           | 4-Jun-03    | 2.5                                              | 4.0           | 6.92 | 1300 | 10.9 | <5                      | <5        | <5      | <5    |
|           | 5-Oct-03    | 3.9                                              | 5.0           | 6.88 | 1040 | 13.5 | <5                      | 11        | 5       | 66    |
|           | 8-Dec-03    | NS                                               | NS            | NS   | NS   | NS   | NS                      | NS        | NS      | NS    |
|           | 27-Feb-04   | 3.9                                              | 7.0           | 7.11 | 1920 | 12.2 | <5                      | 5         | <5      | 30    |
|           | 30-Jun-04   | 3.5                                              | 1.0           | 6.89 | 1300 | 12.0 | <5                      | 5         | <5      | 10    |
|           | 30-Jun-04   | 3.5                                              | 1.0           | 6.89 | 1300 | 12.0 | <5                      | 5         | <5      | 10    |
|           | 19-Nov-04   | 3.2                                              | 4.0           | 7.07 | 1160 | 11.0 | <5                      | <5        | 15      | 8     |
|           | 15-Jun-05   | 4.0                                              | 8.0           | 5.47 | 1780 | 12.3 | <5                      | <5        | 9       | 17    |
| Duplicate | 1-Dec-05    | 3.7                                              | 3.0           | 6.92 | 1640 | 10.7 | <5                      | 83        | <5      | 62    |
|           | 7-Dec-05    | 4.7                                              | 5.0           | --   | 1540 | --   | <5                      | 31        | 19      | <10   |
|           | 14-Feb-06   | --                                               | --            | 7.90 | 1710 | 7.2  | --                      | <4        | --      | --    |
| Re-sample | 29-Jun-06   | 2.9                                              | 90.0          | 6.72 | 1710 | 15.3 | 7                       | <4        | <5      | 9     |
|           | 28-Nov-06   | 4.4                                              | 3.0           | 7.04 | 1610 | 13.9 | 5                       | <4        | <5      | 10    |
|           | 6-Jun-07    | 3.9                                              | 2.0           | 6.44 | 1640 | 15.5 | 10                      | 3         | <5      | 8     |
| Duplicate | 12-Nov-07   | 2.2                                              | 53.0          | 6.84 | 1600 | 12.2 | 2                       | 3         | 9       | 11    |
|           | 24-Jun-08   | 2.3                                              | 5.0           | 6.86 | 1510 | 14.5 | <5                      | <1        | <5      | <5    |
|           | 24-Jun-08   | 2.8                                              | 3.0           | 6.86 | 1500 | 14.5 | <5                      | <1        | <5      | <5    |
| Duplicate | 17-Nov-08   | 1.8                                              | 9.0           | 7.20 | 1510 | 9.5  | <5                      | <1        | <5      | 15    |
|           | 23-Jun-09   | 2.9                                              | 29.0          | 7.08 | 1530 | 13.1 | <5                      | <1        | <5      | 10    |
|           | 17-Nov-09   | 3                                                | 16            | 7.03 | 1550 | 11.0 | <5                      | <4        | <5      | 11    |
| Re-sample | 14-Jun-10   | 3                                                | 14            | 7.02 | 1540 | 12.1 | 6                       | <4        | <5      | 17    |
|           | 8-Nov-10    | 3                                                | 2             | 7.00 | 1590 | 12.3 | 16                      | <4        | <5      | 14    |
|           | 20-Jun-11   | 2.5                                              | 47            | 7.03 | 1642 | 14.6 | 23                      | <4        | 9       | 20    |
| Duplicate | 14-Jul-11   | --                                               | --            | --   | --   | --   | <5                      | --        | --      | --    |
|           | 14-Nov-11   | 2.0                                              | 29            | 6.93 | 1651 | 11.4 | <5                      | <4        | <5      | <5    |
|           | 25-Jun-12   | --                                               | --            | --   | --   | --   | --                      | --        | --      | --    |
| Duplicate | 5-Dec-12    | 2.8                                              | 7             | 6.69 | 1729 | 9.9  | <5                      | <4        | 6       | 12    |
|           | 6-Jun-13    | 2.7                                              | 2             | 6.78 | 1761 | 10.8 | <5                      | <4        | 6       | 6     |
|           | 6-Jun-13    | 2.9                                              | <1            | 6.78 | 1759 | 10.8 | <5                      | <4        | <5      | 6     |
| Duplicate | 4-Nov-13    | 2.6                                              | 1             | 6.83 | 1736 | 11.6 | <5                      | <4        | <5      | <5    |
|           | 23-Jun-14   | 2.6                                              | 3             | 7.15 | 1710 | 13.3 | <5                      | <4        | <5      | <5    |
|           | 18-Nov-14   | 2.4                                              | 2             | 7.13 | 1724 | 7.4  | <5                      | <4        | 10      | 8     |
| Duplicate | 25-Jun-15   | 2.3                                              | 3             | 7.08 | 1669 | 14.0 | <5                      | <5        | 7       | 9     |
|           | 17-Nov-15   | 2.1                                              | 1             | 6.95 | 1686 | 13.5 | <5                      | <5        | 6       | 6     |
|           | 17-Nov-15   | 2.1                                              | <1            | 6.95 | 1690 | 13.5 | <5                      | <5        | 6       | 6     |

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

"NS" - Not sampled - no liquid.

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

"Temp" - Temperature in degrees celsius.

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

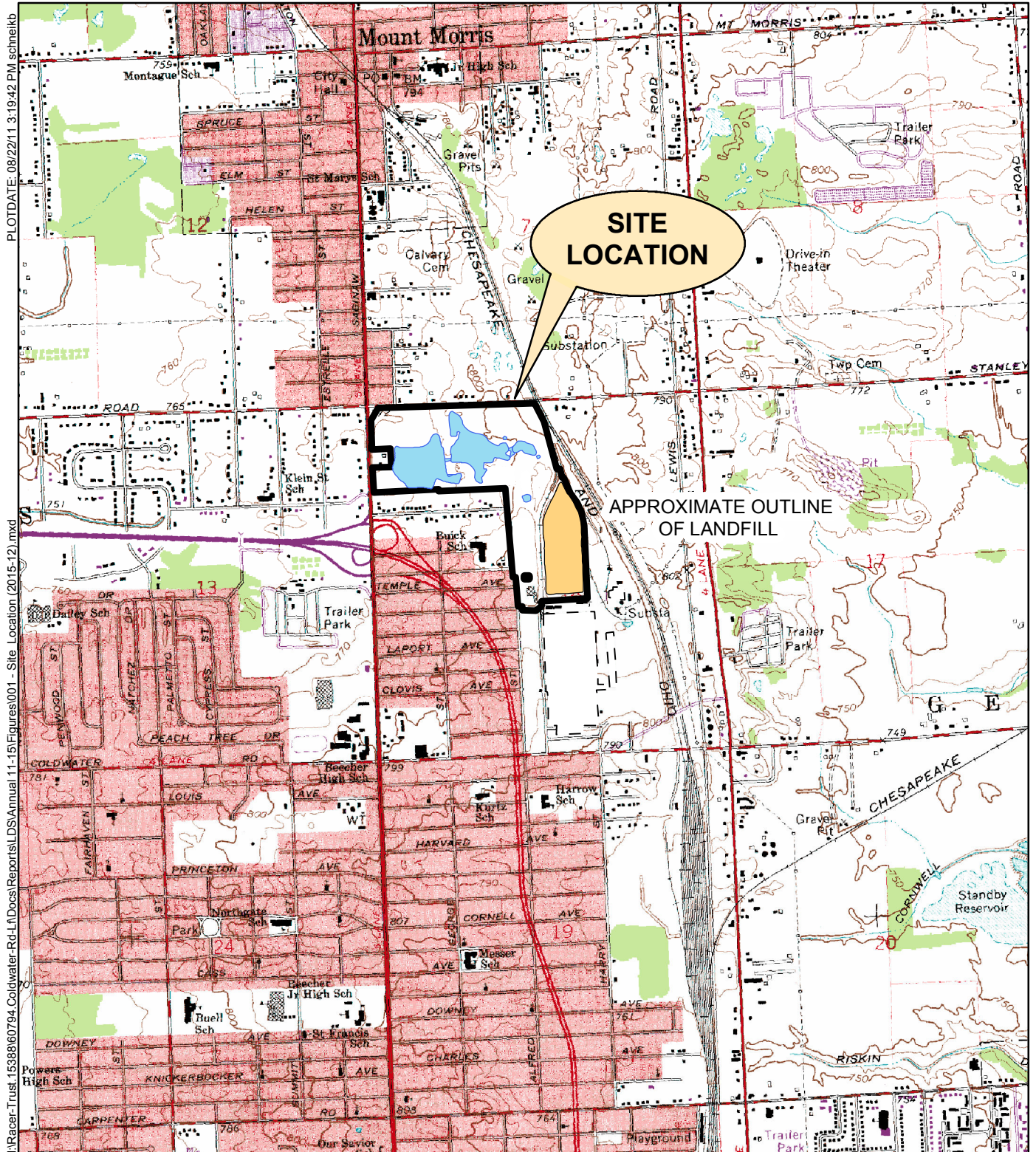
Exceeds MDEQ Residential Drinking Water Criteria

"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)



## FIGURES



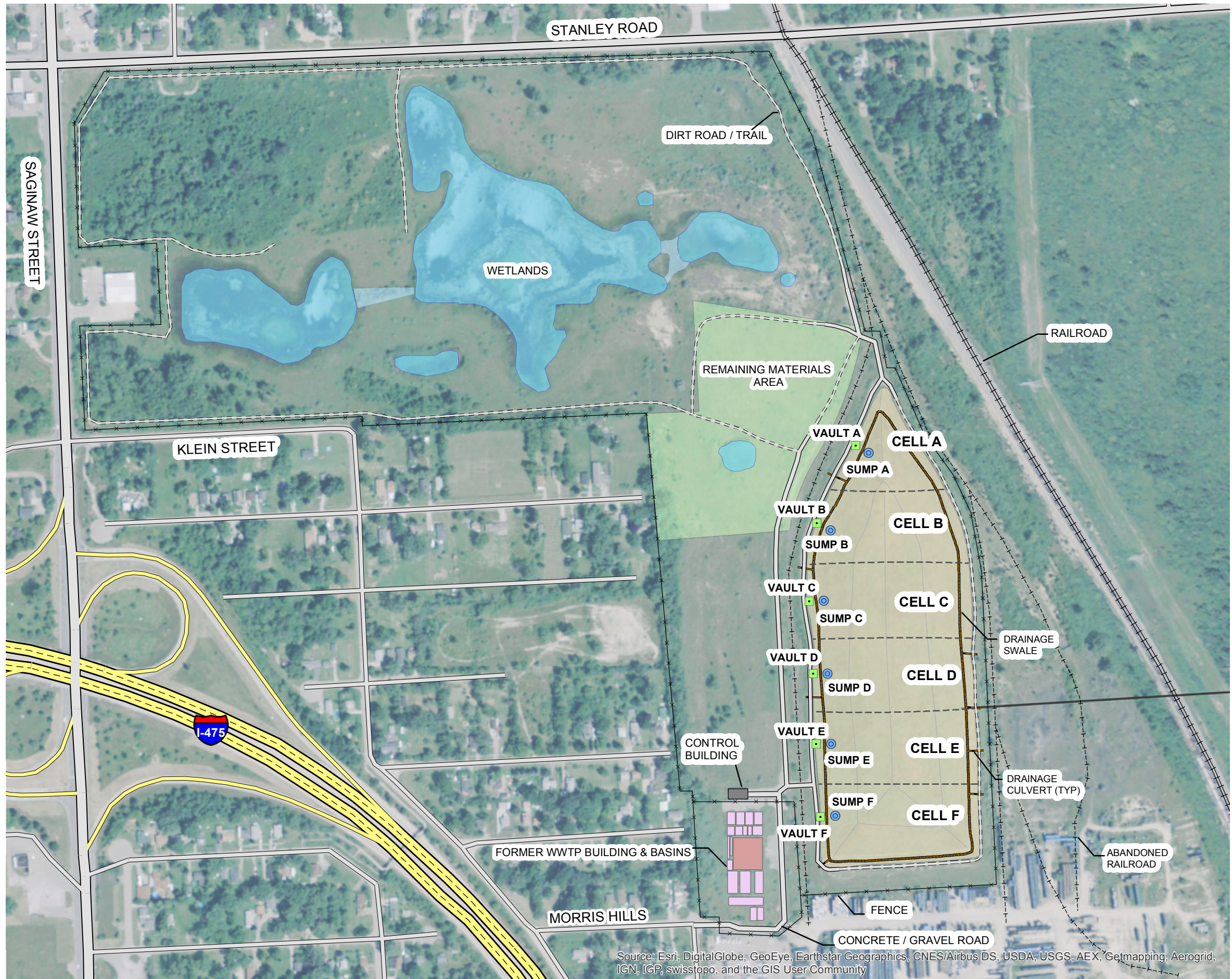
# RACER TRUST COLDWATER ROAD LANDFILL FACILITY FLINT, MICHIGAN

## SITE LOCATION MAP



PLOTDATE: 02/10/15 1:31:49 PM schneikb

I:\Racer-Trust-15388\60794\_Coldwater-Rd-LIDocs\Reports\LDS\Annual 11-15\Figures\002 - Site\_Layout 2015 SA Rpts (LDS-Rpt) (2015-06).mxd



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

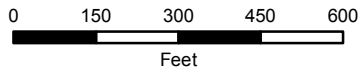


**LEGEND**

- LEACHATE COLLECTION SUMP
- ACCESS PORT FOR LEAK DETECTION VAULT

**RACER TRUST  
COLDWATER ROAD  
LANDFILL FACILITY  
FLINT, MICHIGAN**

**SITE LAYOUT**



15388/60794-002  
DECEMBER 2015



O'BRIEN & GERE ENGINEERS, INC.



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



# Analytical Laboratory Report

Report ID: S69829.01(01)

Generated on 11/25/2015

## Report to

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

Phone: 248-477-5701 FAX: 248-477-5962

Email: Clifford.Yantz@obg.com

Additional Contacts: Kevin Schneider

## 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): S69829.01-S69829.07  
Project: RACER Coldwater Rd Landfill Annual Event  
Collected Date: 11/17/2015  
Submitted Date/Time: 11/19/2015 14:45  
Sampled by: Kevin Schneider  
P.O. #: 11510269

## Table of Contents

Cover Page (Page 1)  
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Sample Summary (Page 5)

Maya Murshak  
Technical Director



# Analytical Laboratory Report

## General Report Notes

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Results relate only to items tested as received by 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).

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Full accreditation certificates are available upon request.

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.

## Report Narrative

---

There is no additional narrative for this analytical report



# Analytical Laboratory Report

## Laboratory Certifications

| Authority           | Certification ID |
|---------------------|------------------|
| Michigan DEQ        | #9956            |
| DOD ELAP/ISO 17025  | #69699           |
| WBENC               | #2005110032      |
| Ohio VAP            | #CL0002          |
| Indiana DOH         | #C-MI-07         |
| New York NELAC      | #11814           |
| North Carolina DENR | #680             |
| North Carolina DOH  | #26702           |

## Qualifier Descriptions

| Qualifier | Description                                                           |
|-----------|-----------------------------------------------------------------------|
| !         | Result is outside of stated limit criteria                            |
| B         | Compound also found in associated method blank                        |
| E         | Concentration exceeds calibration range                               |
| F         | Analysis run outside of holding time                                  |
| G         | Estimated result due to extraction run outside of holding time        |
| H         | Sample submitted and run outside of holding time                      |
| I         | Matrix interference with internal standard                            |
| J         | Estimated value less than reporting limit, but greater than MDL       |
| L         | Elevated reporting limit due to low sample amount                     |
| M         | Result reported to MDL not RDL                                        |
| O         | Analysis performed by outside laboratory. See attached report.        |
| R         | Preliminary result                                                    |
| S         | Surrogate recovery outside of control limits                          |
| T         | No correction for total solids                                        |
| X         | Elevated reporting limit due to matrix interference                   |
| Y         | Elevated reporting limit due to high target concentration             |
| b         | Value detected less than reporting limit, but greater than MDL        |
| e         | Reported value estimated due to interference                          |
| j         | Analyte also found in associated method blank                         |
| p         | Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak. |
| x         | Preserved from bulk sample                                            |

## Glossary of Abbreviations

| Abbreviation | Description                              |
|--------------|------------------------------------------|
| RL/RDL       | Reporting Limit                          |
| MDL          | Method Detection Limit                   |
| MS           | Matrix Spike                             |
| MSD          | Matrix Spike Duplicate                   |
| SW           | EPA SW 846 (Soil and Wastewater) Methods |
| E            | EPA Methods                              |
| SM           | Standard Methods                         |



# Analytical Laboratory Report

## Method Summary

| Method  | Version                                      |
|---------|----------------------------------------------|
| E120.1  | EPA Method 120.1 Revision 1982               |
| E200.8  | EPA Method 200.8 Revision 5.4                |
| SM2540D | Standard Method 2540 D 20th Edition          |
| SM5310C | Standard Method 5310C 20th Edition           |
| SW3015A | SW 846 Method 3015A Revision 1 February 2007 |



## Analytical Laboratory Report

### Sample Summary (7 samples)

| Sample ID | Sample Tag | Matrix     | Collected Date/Time |
|-----------|------------|------------|---------------------|
| S69829.01 | Vault A    | Wastewater | 11/17/15 09:35      |
| S69829.02 | Vault B    | Wastewater | 11/17/15 10:20      |
| S69829.03 | Vault C    | Wastewater | 11/17/15 10:50      |
| S69829.04 | Vault D    | Wastewater | 11/17/15 11:20      |
| S69829.05 | Vault E    | Wastewater | 11/17/15 11:45      |
| S69829.06 | Vault F    | Wastewater | 11/17/15 12:25      |
| S69829.07 | Dup-1      | Wastewater | 11/17/15 00:01      |



## Analytical Laboratory Report

Lab Sample ID: S69829.01  
Sample Tag: Vault A  
Collected Date/Time: 11/17/2015 09:35  
Matrix: Wastewater  
COC Reference: 043472

### Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 5.3               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 5.3               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 5.3               | IR            |

| Analysis                  | Results      | Units    | RL    | Method  | Run Date/Time  | Tech | CAS #     | Flags |
|---------------------------|--------------|----------|-------|---------|----------------|------|-----------|-------|
| <b>Extraction / Prep.</b> |              |          |       |         |                |      |           |       |
| Metal Digestion           | Completed    |          |       | SW3015A | 11/24/15 08:15 | CCM  |           |       |
| <b>Inorganics</b>         |              |          |       |         |                |      |           |       |
| Conductivity              | 1,423        | umhos/cm |       | E120.1  | 11/25/15 13:16 | JKB  |           |       |
| TOC                       | 3.6          | mg/L     | 1     | SM5310C | 11/24/15 14:35 | JKB  |           |       |
| Total Suspended Solids    | 1            | mg/L     | 1     | SM2540D | 11/23/15 17:45 | ASB  |           |       |
| <b>Metals</b>             |              |          |       |         |                |      |           |       |
| Chromium, Dissolved       | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 10:50 | CCM  | 7440-47-3 |       |
| Copper, Dissolved         | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 10:50 | CCM  | 7440-50-8 |       |
| Nickel, Dissolved         | 0.020        | mg/L     | 0.005 | E200.8  | 11/24/15 10:50 | CCM  | 7440-02-0 |       |
| Zinc, Dissolved           | 0.005        | mg/L     | 0.005 | E200.8  | 11/24/15 10:50 | CCM  | 7440-66-6 |       |



## Analytical Laboratory Report

Lab Sample ID: S69829.02  
Sample Tag: Vault B  
Collected Date/Time: 11/17/2015 10:20  
Matrix: Wastewater  
COC Reference: 043472

### Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 5.3               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 5.3               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 5.3               | IR            |

| Analysis                  | Results      | Units    | RL    | Method  | Run Date/Time  | Tech | CAS #     | Flags |
|---------------------------|--------------|----------|-------|---------|----------------|------|-----------|-------|
| <b>Extraction / Prep.</b> |              |          |       |         |                |      |           |       |
| Metal Digestion           | Completed    |          |       | SW3015A | 11/24/15 08:15 | CCM  |           |       |
| <b>Inorganics</b>         |              |          |       |         |                |      |           |       |
| Conductivity              | 1,635        | umhos/cm |       | E120.1  | 11/25/15 13:18 | JKB  |           |       |
| TOC                       | 2.6          | mg/L     | 1     | SM5310C | 11/24/15 14:56 | JKB  |           |       |
| Total Suspended Solids    | 3            | mg/L     | 1     | SM2540D | 11/23/15 17:45 | ASB  |           |       |
| <b>Metals</b>             |              |          |       |         |                |      |           |       |
| Chromium, Dissolved       | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 10:52 | CCM  | 7440-47-3 |       |
| Copper, Dissolved         | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 10:52 | CCM  | 7440-50-8 |       |
| Nickel, Dissolved         | 0.009        | mg/L     | 0.005 | E200.8  | 11/24/15 10:52 | CCM  | 7440-02-0 |       |
| Zinc, Dissolved           | 0.010        | mg/L     | 0.005 | E200.8  | 11/24/15 10:52 | CCM  | 7440-66-6 |       |



## Analytical Laboratory Report

Lab Sample ID: S69829.03  
Sample Tag: Vault C  
Collected Date/Time: 11/17/2015 10:50  
Matrix: Wastewater  
COC Reference: 043472

### Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 5.3               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 5.3               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 5.3               | IR            |

| Analysis                  | Results      | Units    | RL    | Method  | Run Date/Time  | Tech | CAS #     | Flags |
|---------------------------|--------------|----------|-------|---------|----------------|------|-----------|-------|
| <b>Extraction / Prep.</b> |              |          |       |         |                |      |           |       |
| Metal Digestion           | Completed    |          |       | SW3015A | 11/24/15 08:15 | CCM  |           |       |
| <b>Inorganics</b>         |              |          |       |         |                |      |           |       |
| Conductivity              | 1,706        | umhos/cm |       | E120.1  | 11/25/15 13:20 | JKB  |           |       |
| TOC                       | 4.4          | mg/L     | 1     | SM5310C | 11/24/15 15:17 | JKB  |           |       |
| Total Suspended Solids    | 0            | mg/L     | 1     | SM2540D | 11/23/15 17:45 | ASB  |           |       |
| <b>Metals</b>             |              |          |       |         |                |      |           |       |
| Chromium, Dissolved       | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 10:54 | CCM  | 7440-47-3 |       |
| Copper, Dissolved         | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 10:54 | CCM  | 7440-50-8 |       |
| Nickel, Dissolved         | 0.017        | mg/L     | 0.005 | E200.8  | 11/24/15 10:54 | CCM  | 7440-02-0 |       |
| Zinc, Dissolved           | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 10:54 | CCM  | 7440-66-6 |       |



## Analytical Laboratory Report

Lab Sample ID: S69829.04  
Sample Tag: Vault D  
Collected Date/Time: 11/17/2015 11:20  
Matrix: Wastewater  
COC Reference: 043472

### Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 5.3               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 5.3               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 5.3               | IR            |

| Analysis                  | Results      | Units    | RL    | Method  | Run Date/Time  | Tech | CAS #     | Flags |
|---------------------------|--------------|----------|-------|---------|----------------|------|-----------|-------|
| <b>Extraction / Prep.</b> |              |          |       |         |                |      |           |       |
| Metal Digestion           | Completed    |          |       | SW3015A | 11/24/15 08:15 | CCM  |           |       |
| <b>Inorganics</b>         |              |          |       |         |                |      |           |       |
| Conductivity              | 1,729        | umhos/cm |       | E120.1  | 11/25/15 13:22 | JKB  |           |       |
| TOC                       | 5.7          | mg/L     | 1     | SM5310C | 11/24/15 15:38 | JKB  |           |       |
| Total Suspended Solids    | 3            | mg/L     | 1     | SM2540D | 11/23/15 17:45 | ASB  |           |       |
| <b>Metals</b>             |              |          |       |         |                |      |           |       |
| Chromium, Dissolved       | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 10:56 | CCM  | 7440-47-3 |       |
| Copper, Dissolved         | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 10:56 | CCM  | 7440-50-8 |       |
| Nickel, Dissolved         | 0.017        | mg/L     | 0.005 | E200.8  | 11/24/15 10:56 | CCM  | 7440-02-0 |       |
| Zinc, Dissolved           | 0.010        | mg/L     | 0.005 | E200.8  | 11/24/15 10:56 | CCM  | 7440-66-6 |       |



## Analytical Laboratory Report

Lab Sample ID: S69829.05  
Sample Tag: Vault E  
Collected Date/Time: 11/17/2015 11:45  
Matrix: Wastewater  
COC Reference: 043472

### Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 5.3               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 5.3               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 5.3               | IR            |

| Analysis                  | Results      | Units    | RL    | Method  | Run Date/Time  | Tech | CAS #     | Flags |
|---------------------------|--------------|----------|-------|---------|----------------|------|-----------|-------|
| <b>Extraction / Prep.</b> |              |          |       |         |                |      |           |       |
| Metal Digestion           | Completed    |          |       | SW3015A | 11/24/15 08:15 | CCM  |           |       |
| <b>Inorganics</b>         |              |          |       |         |                |      |           |       |
| Conductivity              | 1,435        | umhos/cm |       | E120.1  | 11/25/15 13:24 | JKB  |           |       |
| TOC                       | 2.7          | mg/L     | 1     | SM5310C | 11/24/15 15:59 | JKB  |           |       |
| Total Suspended Solids    | 2            | mg/L     | 1     | SM2540D | 11/23/15 17:45 | ASB  |           |       |
| <b>Metals</b>             |              |          |       |         |                |      |           |       |
| Chromium, Dissolved       | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 10:59 | CCM  | 7440-47-3 |       |
| Copper, Dissolved         | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 10:59 | CCM  | 7440-50-8 |       |
| Nickel, Dissolved         | 0.005        | mg/L     | 0.005 | E200.8  | 11/24/15 10:59 | CCM  | 7440-02-0 |       |
| Zinc, Dissolved           | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 10:59 | CCM  | 7440-66-6 |       |



## Analytical Laboratory Report

Lab Sample ID: S69829.06  
Sample Tag: Vault F  
Collected Date/Time: 11/17/2015 12:25  
Matrix: Wastewater  
COC Reference: 043472

### Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 5.3               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 5.3               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 5.3               | IR            |

| Analysis                  | Results      | Units    | RL    | Method  | Run Date/Time  | Tech | CAS #     | Flags |
|---------------------------|--------------|----------|-------|---------|----------------|------|-----------|-------|
| <b>Extraction / Prep.</b> |              |          |       |         |                |      |           |       |
| Metal Digestion           | Completed    |          |       | SW3015A | 11/24/15 08:15 | CCM  |           |       |
| <b>Inorganics</b>         |              |          |       |         |                |      |           |       |
| Conductivity              | 1,686        | umhos/cm |       | E120.1  | 11/25/15 13:26 | JKB  |           |       |
| TOC                       | 2.1          | mg/L     | 1     | SM5310C | 11/24/15 16:20 | JKB  |           |       |
| Total Suspended Solids    | 1            | mg/L     | 1     | SM2540D | 11/23/15 17:45 | ASB  |           |       |
| <b>Metals</b>             |              |          |       |         |                |      |           |       |
| Chromium, Dissolved       | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 11:11 | CCM  | 7440-47-3 |       |
| Copper, Dissolved         | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 11:11 | CCM  | 7440-50-8 |       |
| Nickel, Dissolved         | 0.006        | mg/L     | 0.005 | E200.8  | 11/24/15 11:11 | CCM  | 7440-02-0 |       |
| Zinc, Dissolved           | 0.006        | mg/L     | 0.005 | E200.8  | 11/24/15 11:11 | CCM  | 7440-66-6 |       |



# Analytical Laboratory Report

Lab Sample ID: S69829.07  
Sample Tag: Dup-1  
Collected Date/Time: 11/17/2015 00:01  
Matrix: Wastewater  
COC Reference: 043472

## Sample Containers

| # | Type          | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|---------------|-----------------|---------------|-------------------|---------------|
| 1 | 500ml Plastic | None            | Yes           | 5.3               | IR            |
| 2 | 40ml Glass    | H2SO4           | Yes           | 5.3               | IR            |
| 1 | 125ml Plastic | HNO3            | Yes           | 5.3               | IR            |

| Analysis                  | Results      | Units    | RL    | Method  | Run Date/Time  | Tech | CAS #     | Flags |
|---------------------------|--------------|----------|-------|---------|----------------|------|-----------|-------|
| <b>Extraction / Prep.</b> |              |          |       |         |                |      |           |       |
| Metal Digestion           | Completed    |          |       | SW3015A | 11/24/15 08:15 | CCM  |           |       |
| <b>Inorganics</b>         |              |          |       |         |                |      |           |       |
| Conductivity              | 1,690        | umhos/cm |       | E120.1  | 11/25/15 13:28 | JKB  |           |       |
| TOC                       | 2.1          | mg/L     | 1     | SM5310C | 11/24/15 16:41 | JKB  |           |       |
| Total Suspended Solids    | Not detected | mg/L     | 1     | SM2540D | 11/23/15 17:45 | ASB  |           |       |
| <b>Metals</b>             |              |          |       |         |                |      |           |       |
| Chromium, Dissolved       | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 11:13 | CCM  | 7440-47-3 |       |
| Copper, Dissolved         | Not detected | mg/L     | 0.005 | E200.8  | 11/24/15 11:13 | CCM  | 7440-50-8 |       |
| Nickel, Dissolved         | 0.006        | mg/L     | 0.005 | E200.8  | 11/24/15 11:13 | CCM  | 7440-02-0 |       |
| Zinc, Dissolved           | 0.006        | mg/L     | 0.005 | E200.8  | 11/24/15 11:13 | CCM  | 7440-66-6 |       |



043472

**INVOICE TO**

|              |         |                                          |          |
|--------------|---------|------------------------------------------|----------|
| CONTACT NAME |         | <input checked="" type="checkbox"/> SAME |          |
| COMPANY      |         |                                          |          |
| ADDRESS      |         |                                          |          |
| CITY         |         | STATE                                    | ZIP CODE |
| PHONE NO.    | FAX NO. | P.O. NO.                                 |          |

## # Containers & Preservatives

|                                            |                                                                         |                  |        |                      |  |
|--------------------------------------------|-------------------------------------------------------------------------|------------------|--------|----------------------|--|
| RELINQUISHED BY:<br>SIGNATURE/ORGANIZATION |                                                                         | DATE<br>11/19/15 |        | TIME<br>1445         |  |
| RECEIVED BY:<br>SIGNATURE/ORGANIZATION     |                                                                         | DATE<br>11/19/15 |        | TIME<br>1445         |  |
| SEAL NO.                                   | SEAL INTACT<br>YES <input type="checkbox"/> NO <input type="checkbox"/> | INITIALS         | NOTES: | TEMP. ON ARRIVAL 5.3 |  |
| SEAL NO.                                   | SEAL INTACT<br>YES <input type="checkbox"/> NO <input type="checkbox"/> | INITIALS         |        |                      |  |

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE



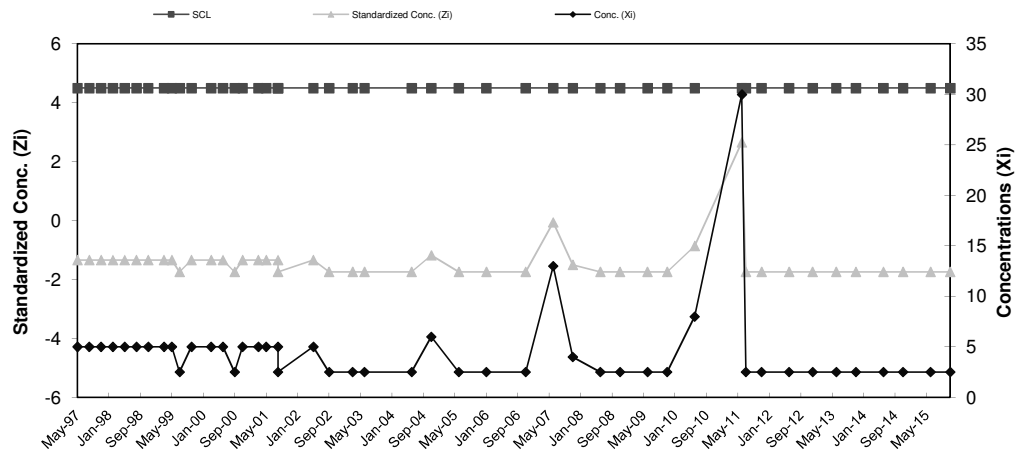
**APPENDIX B**  
**Leak Detection Vault**  
**Control Charts**

**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                   | 51 | Jun-14 | 4.5 | 2.5        | -1.74                   |
| 15 | Nov-98 | 4.5 | 5          | -1.34                   | 52 | Nov-14 | 4.5 | 2.5        | -1.74                   |
| 16 | Mar-99 | 4.5 | 5          | -1.34                   | 53 | Jun-15 | 4.5 | 2.5        | -1.74                   |
| 17 | May-99 | 4.5 | 5          | -1.34                   | 54 | Nov-15 | 4.5 | 2.5        | -1.74                   |
| 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

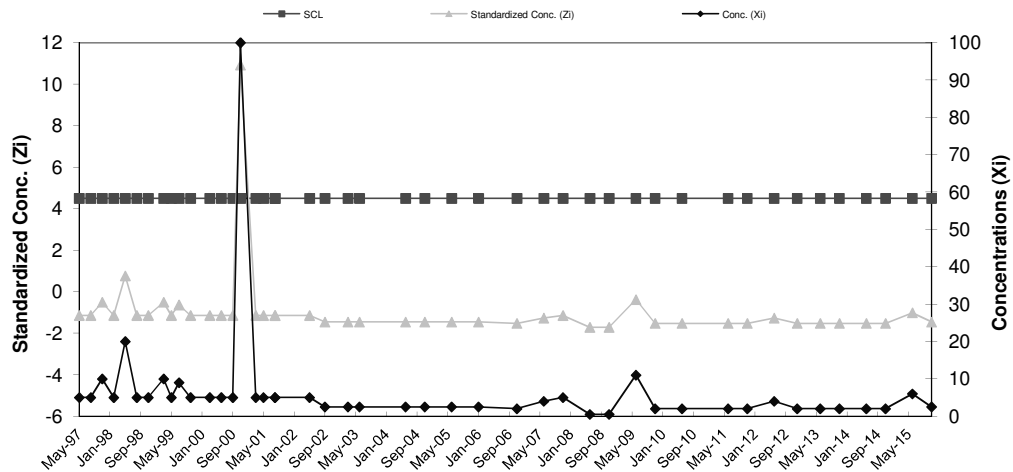


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault A - Copper**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Mar-95 | 10    | 14   | 7.87     |
| 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                   | 50 | Jun-14 | 4.5 | 2          | -1.52                   |
| 15 | Nov-98 | 4.5 | 5          | -1.14                   | 51 | Nov-14 | 4.5 | 2          | -1.52                   |
| 16 | Mar-99 | 4.5 | 10         | -0.51                   | 52 | Jun-15 | 4.5 | 6          | -1.02                   |
| 17 | May-99 | 4.5 | 5          | -1.14                   | 53 | Nov-15 | 4.5 | 2.5        | -1.46                   |
| 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

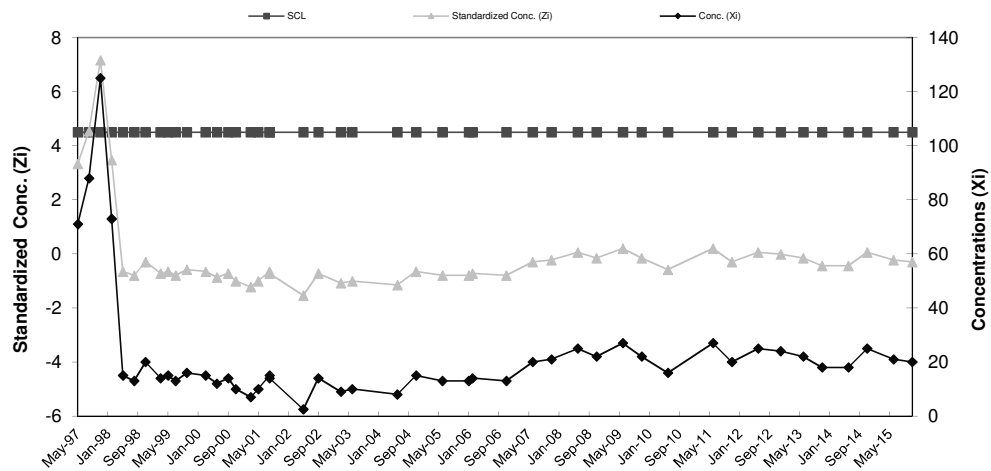


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault A - Nickel**

| 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                   | 51 | Jun-14 | 4.5 | 18         | -0.44                   |
| 15 | Nov-98 | 4.5 | 20         | -0.30                   | 52 | Nov-14 | 4.5 | 25         | 0.05                    |
| 16 | Mar-99 | 4.5 | 14         | -0.73                   | 53 | Jun-15 | 4.5 | 21         | -0.23                   |
| 17 | May-99 | 4.5 | 15         | -0.66                   | 54 | Nov-15 | 4.5 | 20         | -0.30                   |
| 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

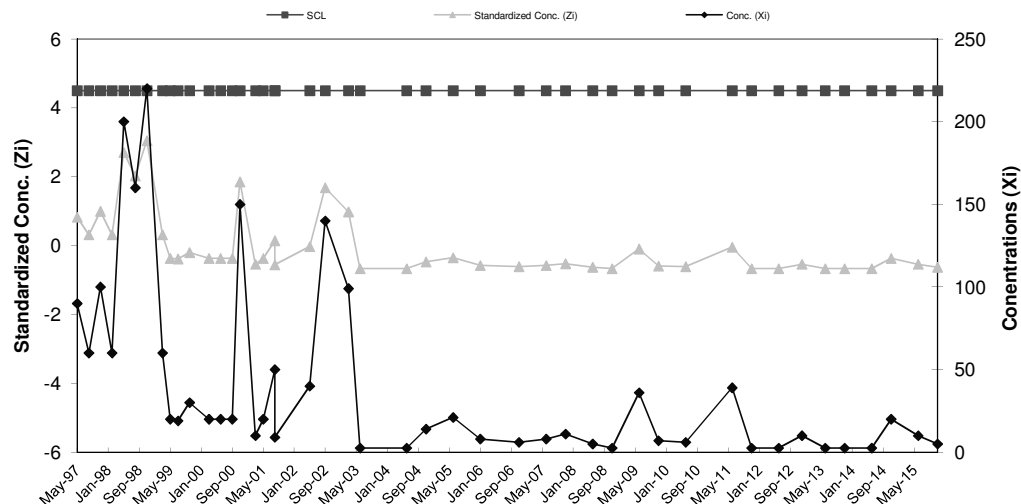


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault A - Zinc**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Mar-95 | 180   | 41.75 | 58.47    |
| 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                    | 50 | Jun-14 | 4.5 | 2.5        | -0.67                   |
| 15 | Nov-98 | 4.5 | 220        | 3.05                    | 51 | Nov-14 | 4.5 | 20         | -0.37                   |
| 16 | Mar-99 | 4.5 | 60         | 0.31                    | 52 | Jun-15 | 4.5 | 10         | -0.54                   |
| 17 | May-99 | 4.5 | 20         | -0.37                   | 53 | Nov-15 | 4.5 | 5          | -0.63                   |
| 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

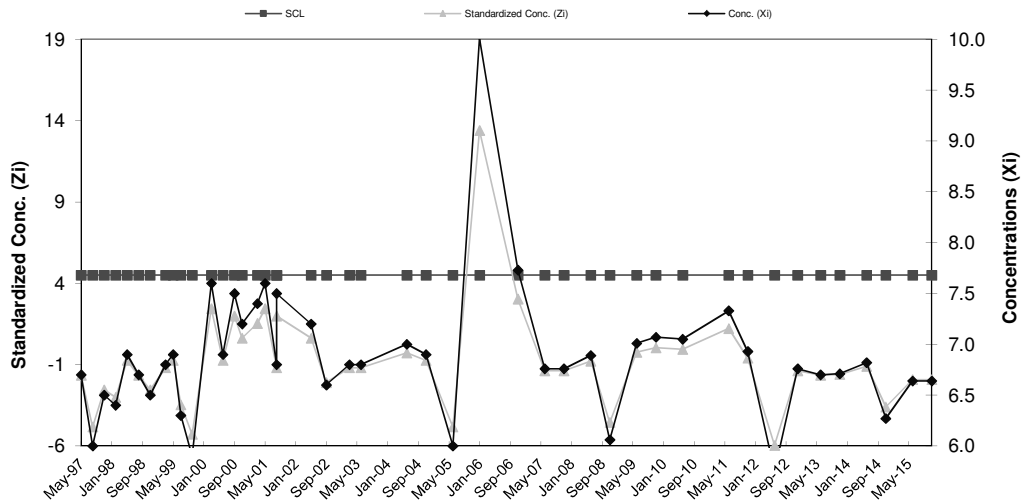


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault A - pH**

| 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 | 6.70       | -1.65                   | 45 | Nov-11 | 4.5 | 6.93       | -0.60                   |
| 10 | Aug-97 | 4.5 | 6.00       | -4.83                   | 46 | Jun-12 | 4.5 | 5.75       | -5.97                   |
| 11 | Nov-97 | 4.5 | 6.50       | -2.56                   | 47 | Dec-12 | 4.5 | 6.76       | -1.38                   |
| 12 | Feb-98 | 4.5 | 6.40       | -3.01                   | 48 | Jun-13 | 4.5 | 6.7        | -1.65                   |
| 13 | May-98 | 4.5 | 6.90       | -0.74                   | 49 | Nov-13 | 4.5 | 6.71       | -1.60                   |
| 14 | Aug-98 | 4.5 | 6.70       | -1.65                   | 50 | Jun-14 | 4.5 | 6.82       | -1.10                   |
| 15 | Nov-98 | 4.5 | 6.50       | -2.56                   | 51 | Nov-14 | 4.5 | 6.27       | -3.60                   |
| 16 | Mar-99 | 4.5 | 6.80       | -1.19                   | 52 | Jun-15 | 4.5 | 6.64       | -1.92                   |
| 17 | May-99 | 4.5 | 6.90       | -0.74                   | 53 | Nov-15 | 4.5 | 6.64       | -1.92                   |
| 18 | Jul-99 | 4.5 | 6.30       | -3.47                   |    |        |     |            |                         |
| 19 | Oct-99 | 4.5 | 5.90       | -5.28                   |    |        |     |            |                         |
| 20 | Mar-00 | 4.5 | 7.60       | 2.44                    |    |        |     |            |                         |
| 21 | Jun-00 | 4.5 | 6.90       | -0.74                   |    |        |     |            |                         |
| 22 | Sep-00 | 4.5 | 7.50       | 1.99                    |    |        |     |            |                         |
| 23 | Nov-00 | 4.5 | 7.20       | 0.63                    |    |        |     |            |                         |
| 24 | Mar-01 | 4.5 | 7.40       | 1.53                    |    |        |     |            |                         |
| 25 | May-01 | 4.5 | 7.60       | 2.44                    |    |        |     |            |                         |
| 26 | Aug-01 | 4.5 | 7.50       | 1.99                    |    |        |     |            |                         |
| 27 | Aug-01 | 4.5 | 6.80       | -1.19                   |    |        |     |            |                         |
| 28 | May-02 | 4.5 | 7.20       | 0.63                    |    |        |     |            |                         |
| 29 | Sep-02 | 4.5 | 6.60       | -2.10                   |    |        |     |            |                         |
| 30 | Mar-03 | 4.5 | 6.80       | -1.19                   |    |        |     |            |                         |
| 31 | Jun-03 | 4.5 | 6.80       | -1.19                   |    |        |     |            |                         |
| 32 | Jun-04 | 4.5 | 7.00       | -0.28                   |    |        |     |            |                         |
| 33 | Nov-04 | 4.5 | 6.90       | -0.74                   |    |        |     |            |                         |
| 34 | Jun-05 | 4.5 | 6.00       | -4.83                   |    |        |     |            |                         |
| 35 | Jan-06 | 4.5 | 10.01      | 13.40                   |    |        |     |            |                         |
| 36 | Nov-06 | 4.5 | 7.73       | 3.03                    |    |        |     |            |                         |
| 37 | Jun-07 | 4.5 | 6.76       | -1.38                   |    |        |     |            |                         |
| 38 | Nov-07 | 4.5 | 6.76       | -1.38                   |    |        |     |            |                         |
| 39 | Jun-08 | 4.5 | 6.89       | -0.78                   |    |        |     |            |                         |
| 40 | Nov-08 | 4.5 | 6.06       | -4.56                   |    |        |     |            |                         |
| 41 | Jun-09 | 4.5 | 7.01       | -0.24                   |    |        |     |            |                         |
| 42 | Nov-09 | 4.5 | 7.07       | 0.03                    |    |        |     |            |                         |
| 43 | Jun-10 | 4.5 | 7.05       | -0.06                   |    |        |     |            |                         |
| 44 | Jun-11 | 4.5 | 7.33       | 1.22                    |    |        |     |            |                         |

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

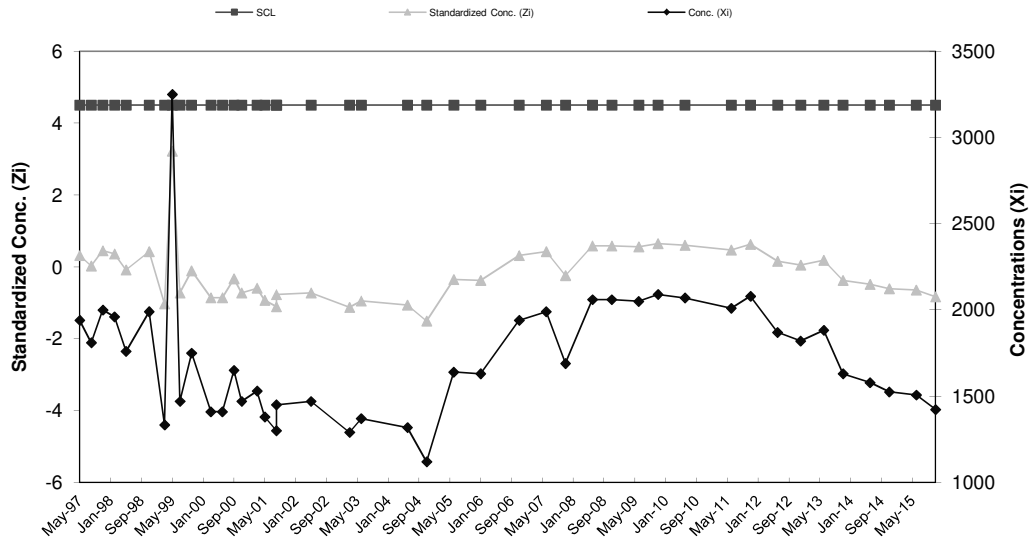


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault A - SpC**

| 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                    | 48 | Jun-14 | 4.5 | 1579       | -0.49                   |
| 15 | Mar-99 | 4.5 | 1334       | -1.03                   | 49 | Nov-14 | 4.5 | 1525       | -0.61                   |
| 16 | May-99 | 4.5 | 3250       | 3.22                    | 50 | Jun-15 | 4.5 | 1507       | -0.65                   |
| 17 | Jul-99 | 4.5 | 1470       | -0.73                   | 51 | Nov-15 | 4.5 | 1423       | -0.83                   |
| 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

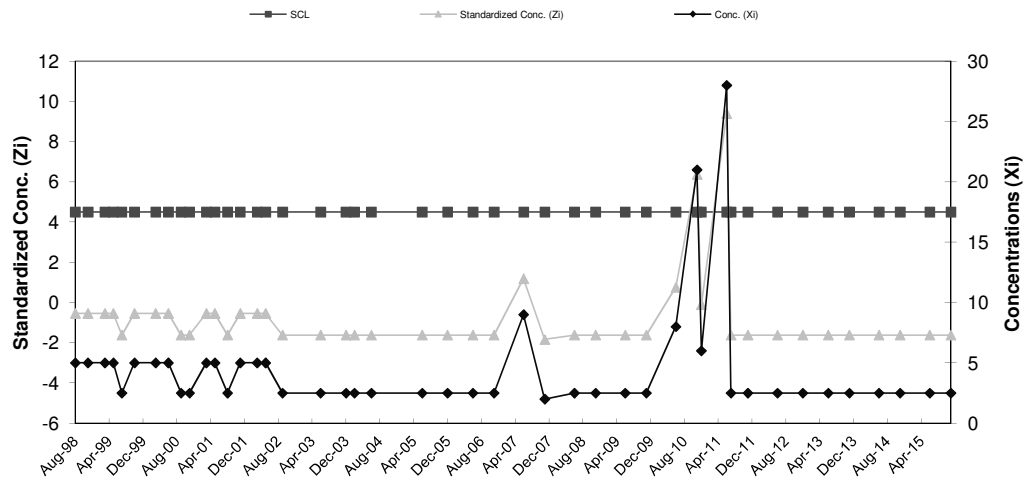


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault B - Chromium**

| 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                   | 50 | Jun-14 | 4.5 | 2.5        | -1.62                   |
| 15 | Mar-00 | 4.5 | 5          | -0.54                   | 51 | Nov-14 | 4.5 | 2.5        | -1.62                   |
| 16 | Jun-00 | 4.5 | 5          | -0.54                   | 52 | Jun-15 | 4.5 | 2.5        | -1.62                   |
| 17 | Sep-00 | 4.5 | 2.5        | -1.62                   | 53 | Nov-15 | 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

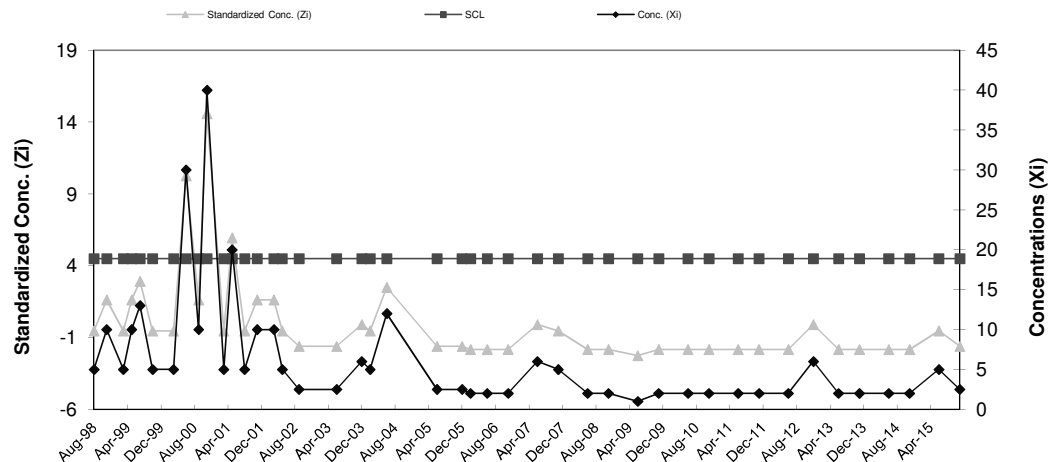


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault B - Copper**

| 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                   | 49 | Jun-14 | 4.5 | 2          | -1.84                   |
| 15 | Mar-00 | 4.5 | 5          | -0.54                   | 50 | Nov-14 | 4.5 | 2          | -1.84                   |
| 16 | Jun-00 | 4.5 | 30         | 10.26                   | 51 | Jun-15 | 4.5 | 5          | -0.54                   |
| 17 | Sep-00 | 4.5 | 10         | 1.62                    | 52 | Nov-15 | 4.5 | 2.5        | -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

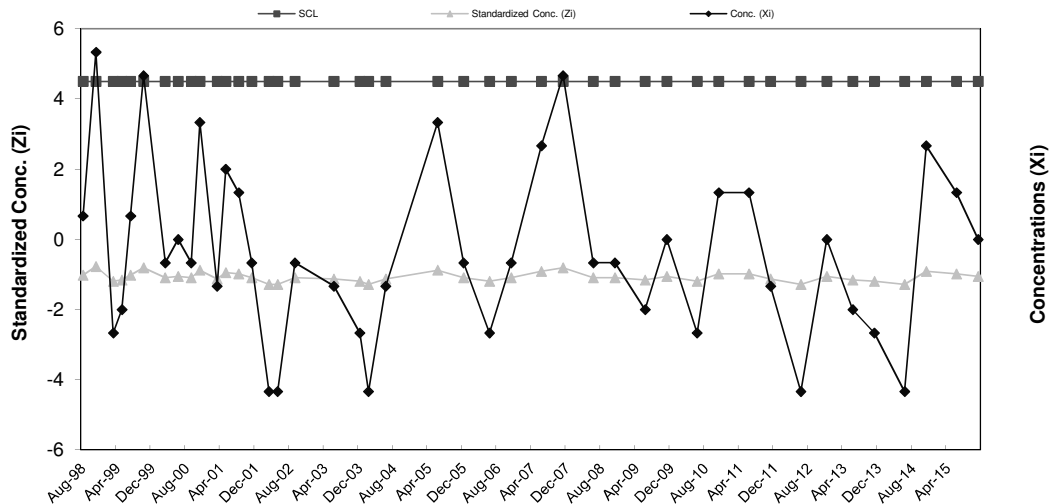


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault B - Nickel**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-96 | 10    | 38.88 | 28.34    |
| 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                   | 48 | Jun-14 | 4.5 | 2.5        | -1.28                   |
| 15 | Mar-00 | 4.5 | 8          | -1.09                   | 49 | Nov-14 | 4.5 | 13         | -0.91                   |
| 16 | Jun-00 | 4.5 | 9          | -1.05                   | 50 | Jun-15 | 4.5 | 11         | -0.98                   |
| 17 | Sep-00 | 4.5 | 8          | -1.09                   | 51 | Nov-15 | 4.5 | 9          | -1.05                   |
| 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

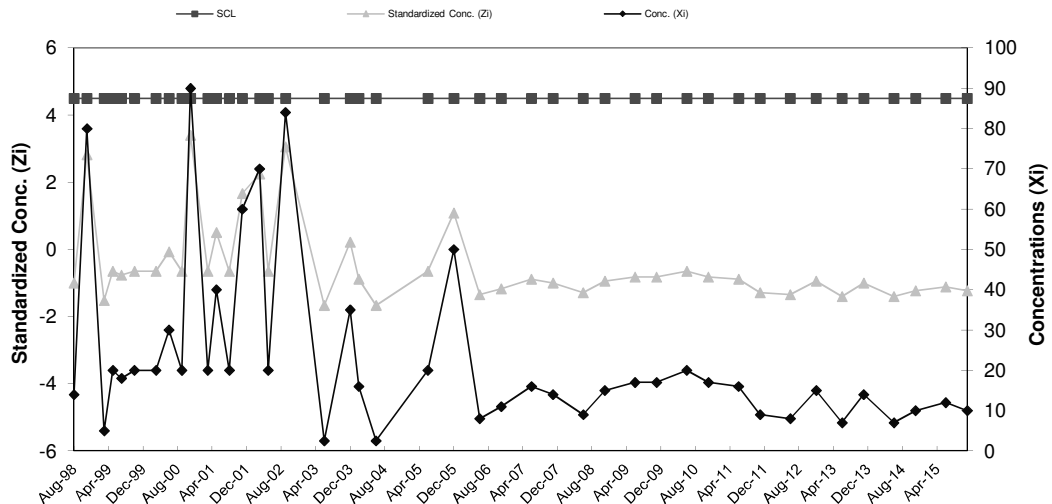


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault B - Zinc**

| 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                   | 48 | Jun-14 | 4.5 | 7          | -1.40                   |
| 15 | Mar-00 | 4.5 | 20         | -0.65                   | 49 | Nov-14 | 4.5 | 10         | -1.23                   |
| 16 | Jun-00 | 4.5 | 30         | -0.07                   | 50 | Jun-15 | 4.5 | 12         | -1.11                   |
| 17 | Sep-00 | 4.5 | 20         | -0.65                   | 51 | Nov-15 | 4.5 | 10         | -1.23                   |
| 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

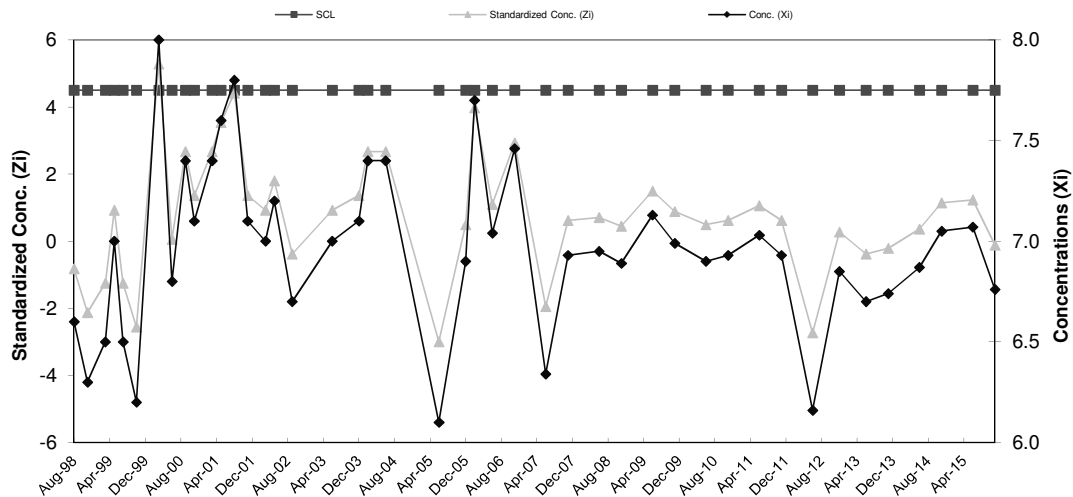


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault B - pH**

| 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 | 6.60       | -0.82                   | 44 | Nov-11 | 4.5 | 6.93       | 0.62                    |
| 10 | Nov-98 | 4.5 | 6.30       | -2.12                   | 45 | Jun-12 | 4.5 | 6.16       | -2.73                   |
| 11 | Mar-99 | 4.5 | 6.50       | -1.25                   | 46 | Dec-12 | 4.5 | 6.85       | 0.27                    |
| 12 | May-99 | 4.5 | 7.00       | 0.93                    | 47 | Jun-13 | 4.5 | 6.7        | -0.38                   |
| 13 | Jul-99 | 4.5 | 6.50       | -1.25                   | 48 | Nov-13 | 4.5 | 6.74       | -0.21                   |
| 14 | Oct-99 | 4.5 | 6.20       | -2.56                   | 49 | Jun-14 | 4.5 | 6.87       | 0.36                    |
| 15 | Mar-00 | 4.5 | 8.00       | 5.28                    | 50 | Nov-14 | 4.5 | 7.05       | 1.14                    |
| 16 | Jun-00 | 4.5 | 6.80       | 0.05                    | 51 | Jun-15 | 4.5 | 7.07       | 1.23                    |
| 17 | Sep-00 | 4.5 | 7.40       | 2.67                    | 52 | Nov-15 | 4.5 | 6.76       | -0.12                   |
| 18 | Nov-00 | 4.5 | 7.10       | 1.36                    |    |        |     |            |                         |
| 19 | Mar-01 | 4.5 | 7.40       | 2.67                    |    |        |     |            |                         |
| 20 | May-01 | 4.5 | 7.60       | 3.54                    |    |        |     |            |                         |
| 21 | Aug-01 | 4.5 | 7.80       | 4.41                    |    |        |     |            |                         |
| 22 | Nov-01 | 4.5 | 7.10       | 1.36                    |    |        |     |            |                         |
| 23 | Mar-02 | 4.5 | 7.00       | 0.93                    |    |        |     |            |                         |
| 24 | May-02 | 4.5 | 7.20       | 1.80                    |    |        |     |            |                         |
| 25 | Sep-02 | 4.5 | 6.70       | -0.38                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 7.00       | 0.93                    |    |        |     |            |                         |
| 27 | Dec-03 | 4.5 | 7.10       | 1.36                    |    |        |     |            |                         |
| 28 | Feb-04 | 4.5 | 7.40       | 2.67                    |    |        |     |            |                         |
| 29 | Jun-04 | 4.5 | 7.40       | 2.67                    |    |        |     |            |                         |
| 30 | Jun-05 | 4.5 | 6.10       | -3.00                   |    |        |     |            |                         |
| 31 | Dec-05 | 4.5 | 6.90       | 0.49                    |    |        |     |            |                         |
| 32 | Feb-06 | 4.5 | 7.70       | 3.98                    |    |        |     |            |                         |
| 33 | Jun-06 | 4.5 | 7.04       | 1.10                    |    |        |     |            |                         |
| 34 | Nov-06 | 4.5 | 7.46       | 2.93                    |    |        |     |            |                         |
| 35 | Jun-07 | 4.5 | 6.34       | -1.95                   |    |        |     |            |                         |
| 36 | Nov-07 | 4.5 | 6.93       | 0.62                    |    |        |     |            |                         |
| 37 | Jun-08 | 4.5 | 6.95       | 0.71                    |    |        |     |            |                         |
| 38 | Nov-08 | 4.5 | 6.89       | 0.45                    |    |        |     |            |                         |
| 39 | Jun-09 | 4.5 | 7.13       | 1.49                    |    |        |     |            |                         |
| 40 | Nov-09 | 4.5 | 6.99       | 0.88                    |    |        |     |            |                         |
| 41 | Jun-10 | 4.5 | 6.90       | 0.49                    |    |        |     |            |                         |
| 42 | Nov-10 | 4.5 | 6.93       | 0.62                    |    |        |     |            |                         |
| 43 | Jun-11 | 4.5 | 7.03       | 1.06                    |    |        |     |            |                         |

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

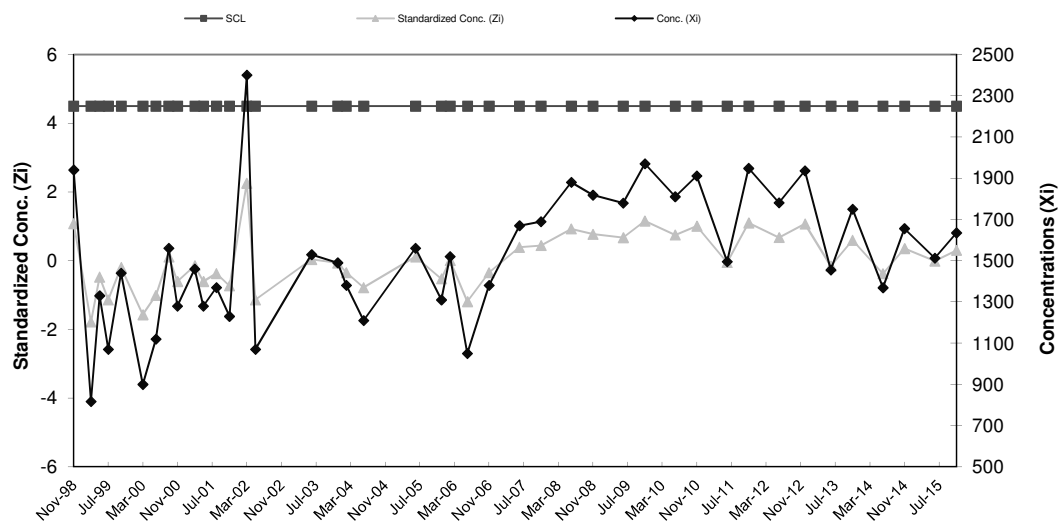


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault B - SpC**

| 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                   | 47 | Jun-14 | 4.5 | 1369       | -0.38                   |
| 15 | Jun-00 | 4.5 | 1120       | -1.01                   | 48 | Nov-14 | 4.5 | 1656       | 0.36                    |
| 16 | Sep-00 | 4.5 | 1560       | 0.11                    | 49 | Jun-15 | 4.5 | 1513       | -0.01                   |
| 17 | Nov-00 | 4.5 | 1280       | -0.60                   | 50 | Nov-15 | 4.5 | 1635       | 0.30                    |
| 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

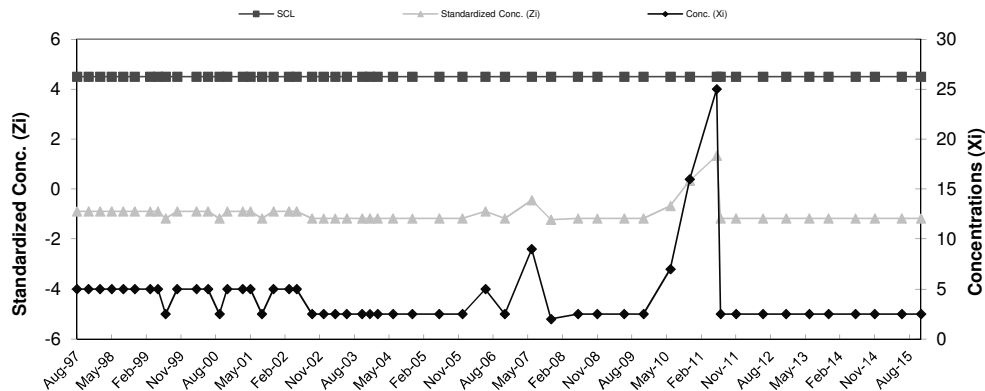


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault C - Chromium**

| 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                   | 58 | Jun-14 | 4.5 | 2.5        | -1.17                   |
| 16 | Mar-99 | 4.5 | 5          | -0.89                   | 59 | Nov-14 | 4.5 | 2.5        | -1.17                   |
| 17 | May-99 | 4.5 | 5          | -0.89                   | 60 | Jun-15 | 4.5 | 2.5        | -1.17                   |
| 18 | Jul-99 | 4.5 | 2.5        | -1.17                   | 61 | Nov-15 | 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

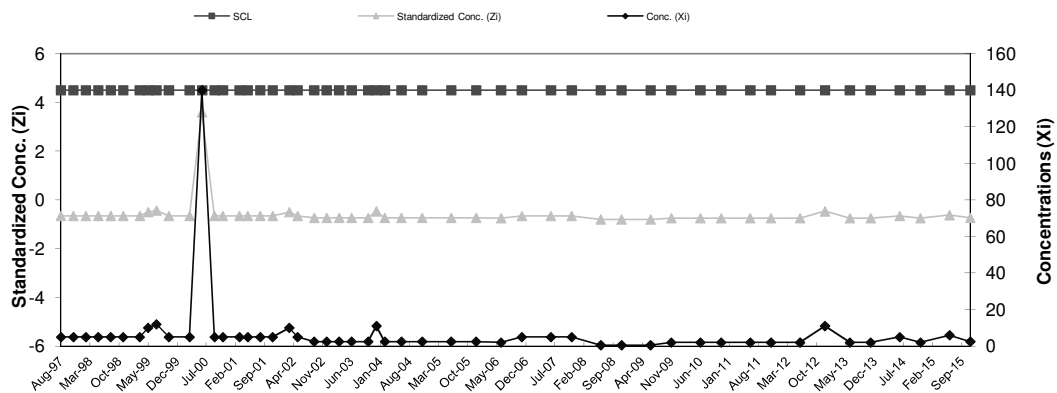


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault C - Copper**

| 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                   | 57 | Jun-14 | 4.5 | 5          | -0.66                   |
| 16 | Mar-99 | 4.5 | 5          | -0.66                   | 58 | Nov-14 | 4.5 | 2          | -0.75                   |
| 17 | May-99 | 4.5 | 10         | -0.50                   | 59 | Jun-15 | 4.5 | 6          | -0.63                   |
| 18 | Jul-99 | 4.5 | 12         | -0.44                   | 60 | Nov-15 | 4.5 | 2.5        | -0.74                   |
| 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 = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

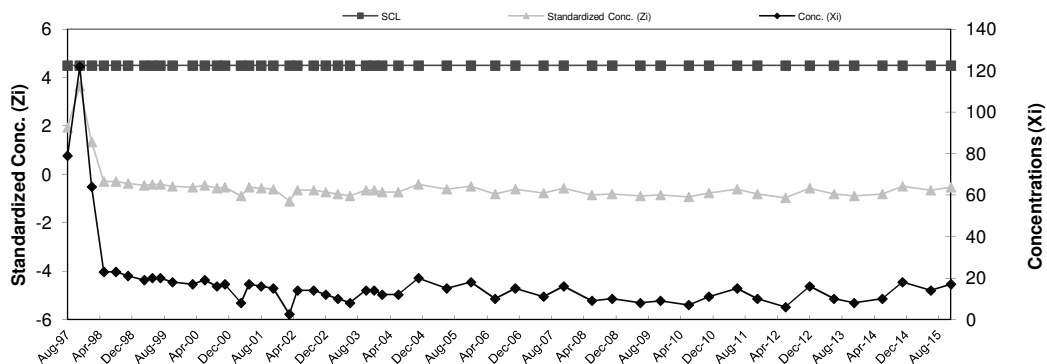


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault C - Nickel**

| 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                   | 57 | Jun-14 | 4.5 | 10         | -0.81                   |
| 16 | Mar-99 | 4.5 | 19         | -0.45                   | 58 | Nov-14 | 4.5 | 18         | -0.49                   |
| 17 | May-99 | 4.5 | 20         | -0.41                   | 59 | Jun-15 | 4.5 | 14         | -0.65                   |
| 18 | Jul-99 | 4.5 | 20         | -0.41                   | 60 | Nov-15 | 4.5 | 17         | -0.53                   |
| 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 = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

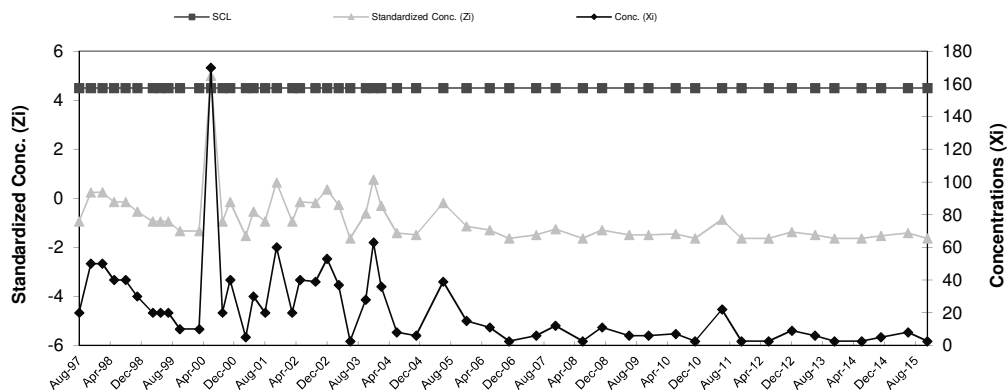


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault C - Zinc**

| 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                   | 57 | Jun-14 | 4.5 | 2.5        | -1.63                   |
| 16 | Mar-99 | 4.5 | 20         | -0.94                   | 58 | Nov-14 | 4.5 | 5          | -1.54                   |
| 17 | May-99 | 4.5 | 20         | -0.94                   | 59 | Jun-15 | 4.5 | 8          | -1.42                   |
| 18 | Jul-99 | 4.5 | 20         | -0.94                   | 60 | Nov-15 | 4.5 | 2.5        | -1.63                   |
| 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

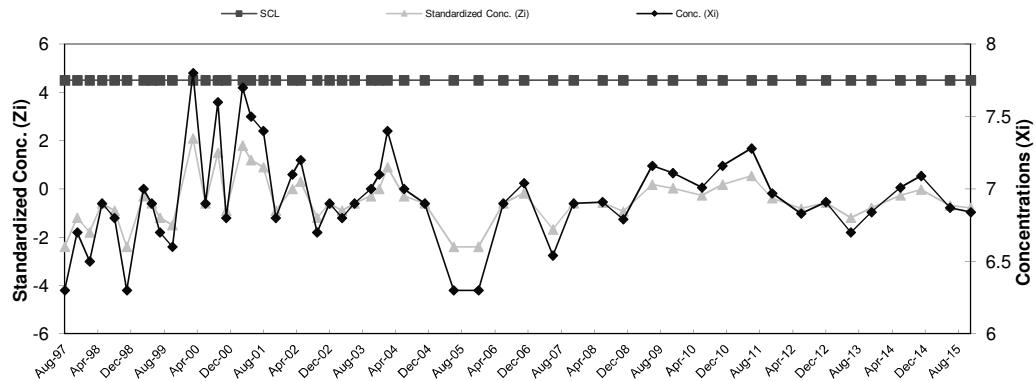


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault C - pH**

| 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                   | 57 | Jun-14 | 4.5 | 7.01       | -0.27                   |
| 16 | Mar-99 | 4.5 | 7          | -0.30                   | 58 | Nov-14 | 4.5 | 7.09       | -0.03                   |
| 17 | May-99 | 4.5 | 6.9        | -0.60                   | 59 | Jun-15 | 4.5 | 6.87       | -0.69                   |
| 18 | Jul-99 | 4.5 | 6.7        | -1.20                   | 60 | Nov-15 | 4.5 | 6.84       | -0.78                   |
| 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 = Shewart Control Limit, k = Standard Error Shift Detection Parameter, Zi = Standardized Mean

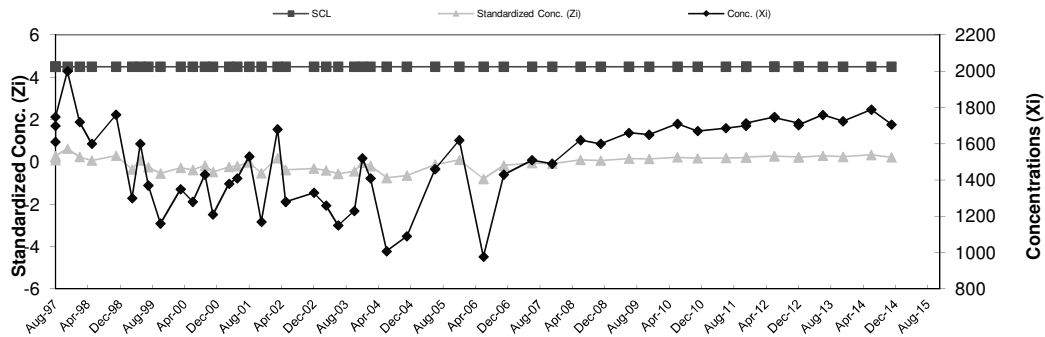


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault C - SpC**

| 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                   | 57 | Jun-14 | 4.5 | 1759       | 0.29                    |
| 16 | May-99 | 4.5 | 1600       | 0.07                    | 58 | Nov-14 | 4.5 | 1724       | 0.24                    |
| 17 | Jul-99 | 4.5 | 1370       | -0.25                   | 59 | Jun-15 | 4.5 | 1788       | 0.33                    |
| 18 | Oct-99 | 4.5 | 1160       | -0.55                   | 60 | Nov-15 | 4.5 | 1706       | 0.22                    |
| 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

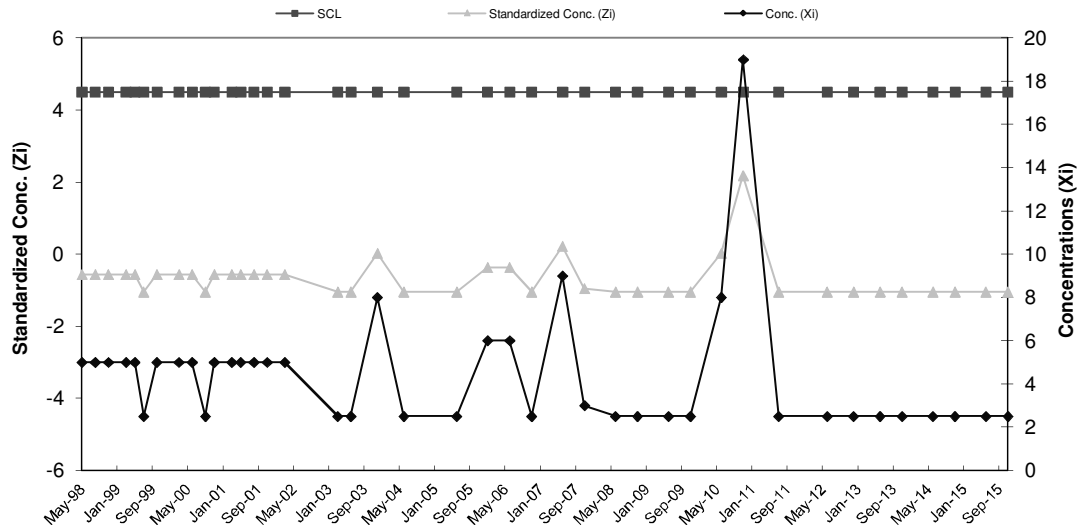


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault D - Chromium**

| 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                   | 46 | Jun-14 | 4.5 | 2.5        | -1.05                   |
| 15 | Oct-99 | 4.5 | 5          | -0.56                   | 47 | Nov-14 | 4.5 | 2.5        | -1.05                   |
| 16 | Mar-00 | 4.5 | 5          | -0.56                   | 48 | Jun-15 | 4.5 | 2.5        | -1.05                   |
| 17 | Jun-00 | 4.5 | 5          | -0.56                   | 49 | Nov-15 | 4.5 | 2.5        | -1.05                   |
| 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

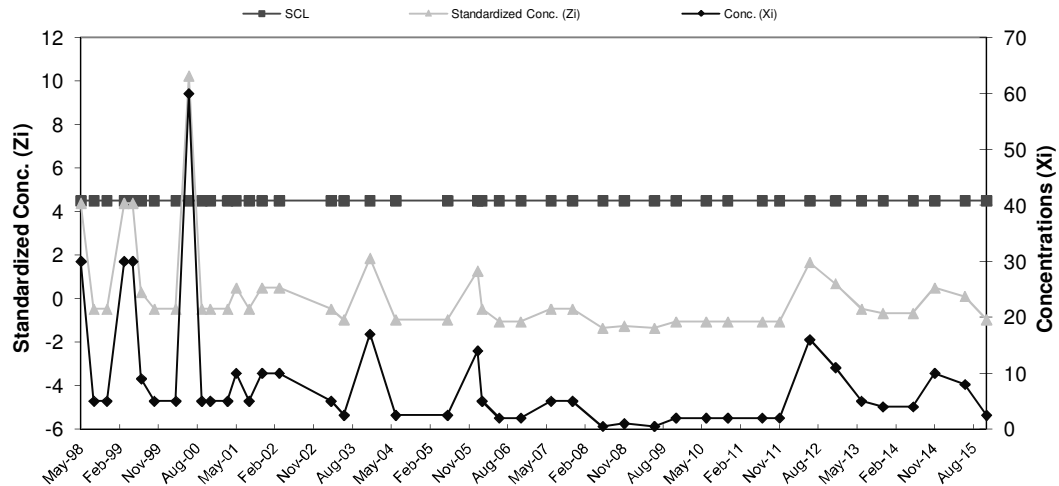


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault D - Copper**

| 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                   | 48 | Jun-14 | 4.5 | 4          | -0.68                   |
| 17 | Jun-00 | 4.5 | 60         | 10.24                   | 49 | Nov-14 | 4.5 | 10         | 0.49                    |
| 18 | Sep-00 | 4.5 | 5          | -0.48                   | 50 | Jun-15 | 4.5 | 8          | 0.10                    |
| 19 | Nov-00 | 4.5 | 5          | -0.48                   | 51 | Nov-15 | 4.5 | 2.5        | -0.97                   |
| 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

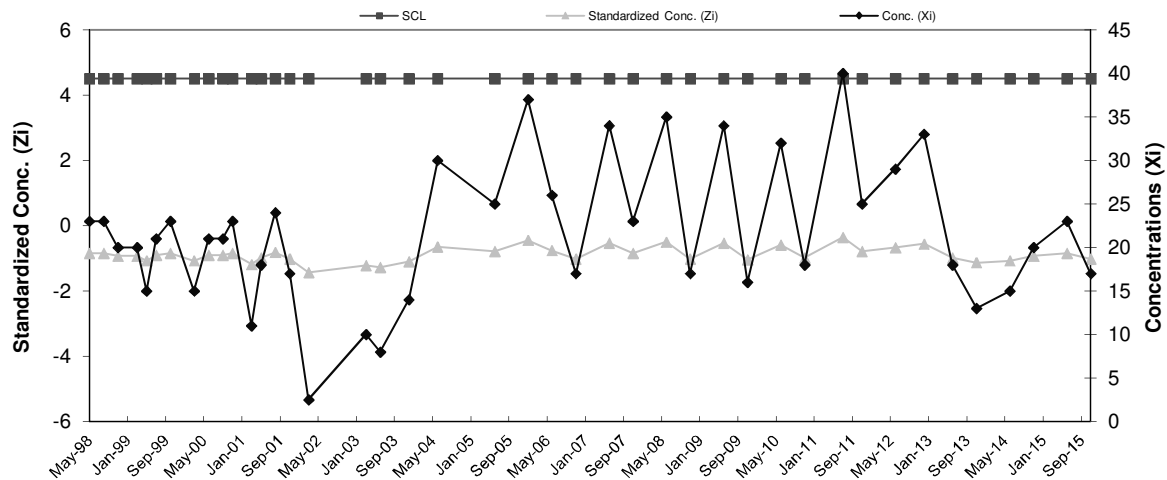


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault D - Nickel**

| 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                   | 47 | Jun-14 | 4.5 | 15         | -1.07                   |
| 16 | Mar-00 | 4.5 | 15         | -1.07                   | 48 | Nov-14 | 4.5 | 20         | -0.93                   |
| 17 | Jun-00 | 4.5 | 21         | -0.90                   | 49 | Jun-15 | 4.5 | 23         | -0.85                   |
| 18 | Sep-00 | 4.5 | 21         | -0.90                   | 50 | Nov-15 | 4.5 | 17         | -1.02                   |
| 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

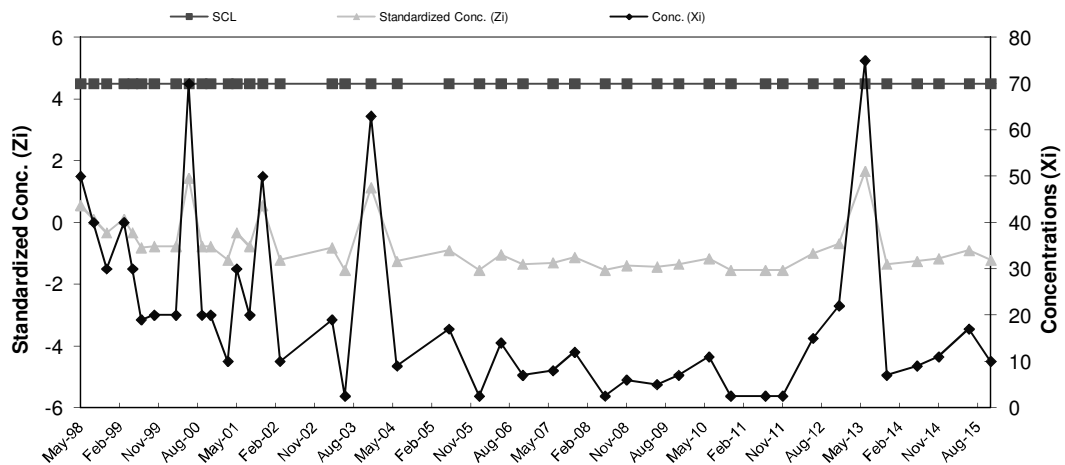


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault D - Zinc**

| 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                   | 47 | Jun-14 | 4.5 | 9          | -1.26                   |
| 15 | Oct-99 | 4.5 | 20         | -0.77                   | 48 | Nov-14 | 4.5 | 11         | -1.17                   |
| 16 | Mar-00 | 4.5 | 20         | -0.77                   | 49 | Jun-15 | 4.5 | 17         | -0.91                   |
| 17 | Jun-00 | 4.5 | 70         | 1.44                    | 50 | Nov-15 | 4.5 | 10         | -1.22                   |
| 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

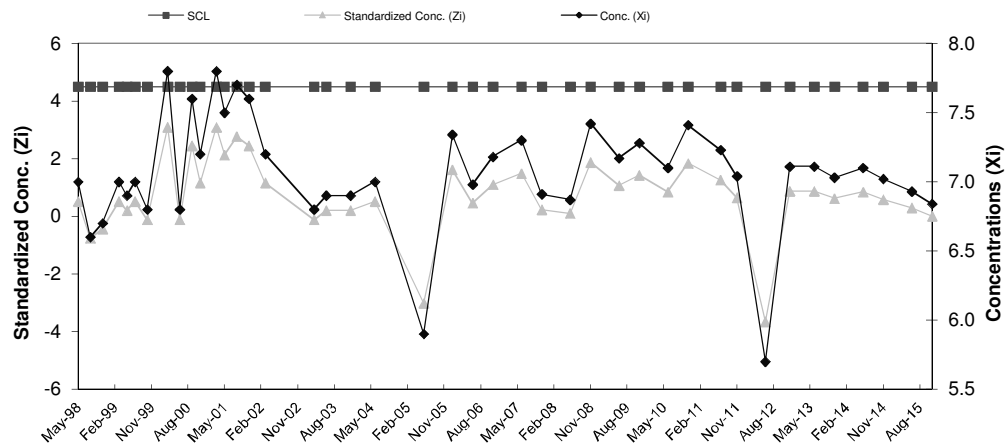


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault D - pH**

| Baseline Data |        |       |             |             |
|---------------|--------|-------|-------------|-------------|
| Ti            | Date   | Conc. | Mean        | Std. Dev    |
| 1             | Mar-95 | 7.3   | <b>6.84</b> | <b>0.31</b> |
| 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 | 7.00       | 0.52                    | 42 | Nov-11 | 4.5 | 7.0        | 0.65                    |
| 10 | Aug-98 | 4.5 | 6.60       | -0.76                   | 43 | Jun-12 | 4.5 | 5.7        | -3.65                   |
| 11 | Nov-98 | 4.5 | 6.70       | -0.44                   | 44 | Dec-12 | 4.5 | 7.11       | 0.88                    |
| 12 | Mar-99 | 4.5 | 7.00       | 0.52                    | 45 | Jun-13 | 4.5 | 7.11       | 0.88                    |
| 13 | May-99 | 4.5 | 6.90       | 0.20                    | 46 | Nov-13 | 4.5 | 7.03       | 0.62                    |
| 14 | Jul-99 | 4.5 | 7.00       | 0.52                    | 47 | Jun-14 | 4.5 | 7.1        | 0.84                    |
| 15 | Oct-99 | 4.5 | 6.80       | -0.12                   | 48 | Nov-14 | 4.5 | 7.02       | 0.59                    |
| 16 | Mar-00 | 4.5 | 7.80       | 3.09                    | 49 | Jun-15 | 4.5 | 6.93       | 0.30                    |
| 17 | Jun-00 | 4.5 | 6.80       | -0.12                   | 50 | Nov-15 | 4.5 | 6.84       | 0.01                    |
| 18 | Sep-00 | 4.5 | 7.60       | 2.45                    |    |        |     |            |                         |
| 19 | Nov-00 | 4.5 | 7.20       | 1.16                    |    |        |     |            |                         |
| 20 | Mar-01 | 4.5 | 7.80       | 3.09                    |    |        |     |            |                         |
| 21 | May-01 | 4.5 | 7.50       | 2.13                    |    |        |     |            |                         |
| 22 | Aug-01 | 4.5 | 7.70       | 2.77                    |    |        |     |            |                         |
| 23 | Nov-01 | 4.5 | 7.60       | 2.45                    |    |        |     |            |                         |
| 24 | Mar-02 | 4.5 | 7.20       | 1.16                    |    |        |     |            |                         |
| 25 | Mar-03 | 4.5 | 6.80       | -0.12                   |    |        |     |            |                         |
| 26 | Jun-03 | 4.5 | 6.90       | 0.20                    |    |        |     |            |                         |
| 27 | Dec-03 | 4.5 | 6.90       | 0.20                    |    |        |     |            |                         |
| 28 | Jun-04 | 4.5 | 7.00       | 0.52                    |    |        |     |            |                         |
| 29 | Jun-05 | 4.5 | 5.90       | -3.01                   |    |        |     |            |                         |
| 30 | Jan-06 | 4.5 | 7.34       | 1.61                    |    |        |     |            |                         |
| 31 | Jun-06 | 4.5 | 6.98       | 0.46                    |    |        |     |            |                         |
| 32 | Nov-06 | 4.5 | 7.18       | 1.10                    |    |        |     |            |                         |
| 33 | Jun-07 | 4.5 | 7.30       | 1.49                    |    |        |     |            |                         |
| 34 | Nov-07 | 4.5 | 6.91       | 0.23                    |    |        |     |            |                         |
| 35 | Jun-08 | 4.5 | 6.87       | 0.10                    |    |        |     |            |                         |
| 36 | Nov-08 | 4.5 | 7.42       | 1.87                    |    |        |     |            |                         |
| 37 | Jun-09 | 4.5 | 7.17       | 1.07                    |    |        |     |            |                         |
| 38 | Nov-09 | 4.5 | 7.28       | 1.42                    |    |        |     |            |                         |
| 39 | Jun-10 | 4.5 | 7.10       | 0.84                    |    |        |     |            |                         |
| 40 | Nov-10 | 4.5 | 7.41       | 1.84                    |    |        |     |            |                         |
| 41 | Jul-11 | 4.5 | 7.23       | 1.26                    |    |        |     |            |                         |

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

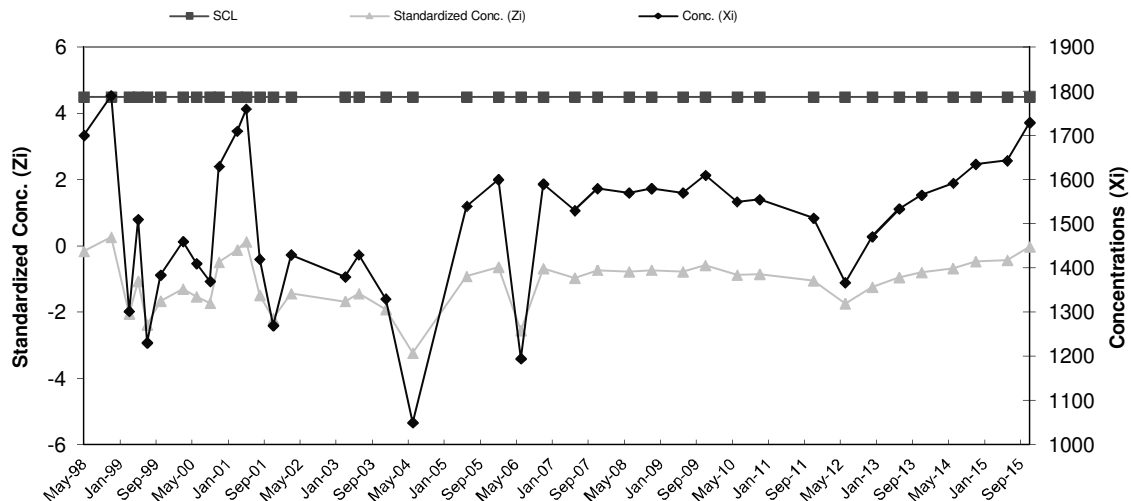


**COLDWATER ROAD LANDFILL FACILITY  
RCRA LANDFILL LEAK DETECTION SYSTEM  
SHEWART CONTROL CHART  
Vault D - SpC**

| 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                   | 46 | Jun-14 | 4.5 | 1592       | -0.67                   |
| 16 | Mar-00 | 4.5 | 1460       | -1.30                   | 47 | Nov-14 | 4.5 | 1635       | -0.47                   |
| 17 | Jun-00 | 4.5 | 1410       | -1.54                   | 48 | Jun-15 | 4.5 | 1643       | -0.43                   |
| 18 | Sep-00 | 4.5 | 1370       | -1.72                   | 49 | Nov-15 | 4.5 | 1729       | -0.03                   |
| 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

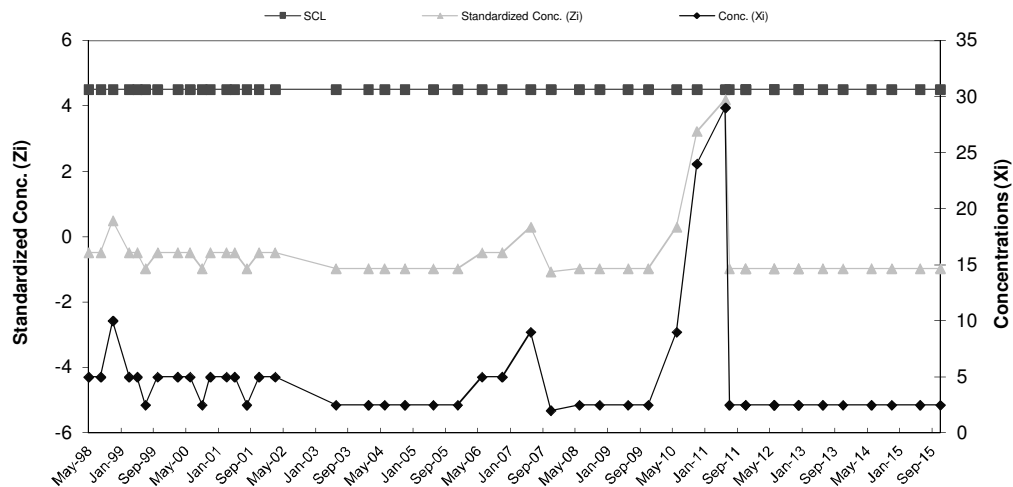


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault E - Chromium**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Mar-96 | 10    | 7.48 | 5.13     |
| 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                   | 48 | Jun-14 | 4.5 | 2.5        | -0.97                   |
| 15 | Oct-99 | 4.5 | 5          | -0.48                   | 49 | Nov-14 | 4.5 | 2.5        | -0.97                   |
| 16 | Mar-00 | 4.5 | 5          | -0.48                   | 50 | Jun-15 | 4.5 | 2.5        | -0.97                   |
| 17 | Jun-00 | 4.5 | 5          | -0.48                   | 51 | Nov-15 | 4.5 | 2.5        | -0.97                   |
| 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

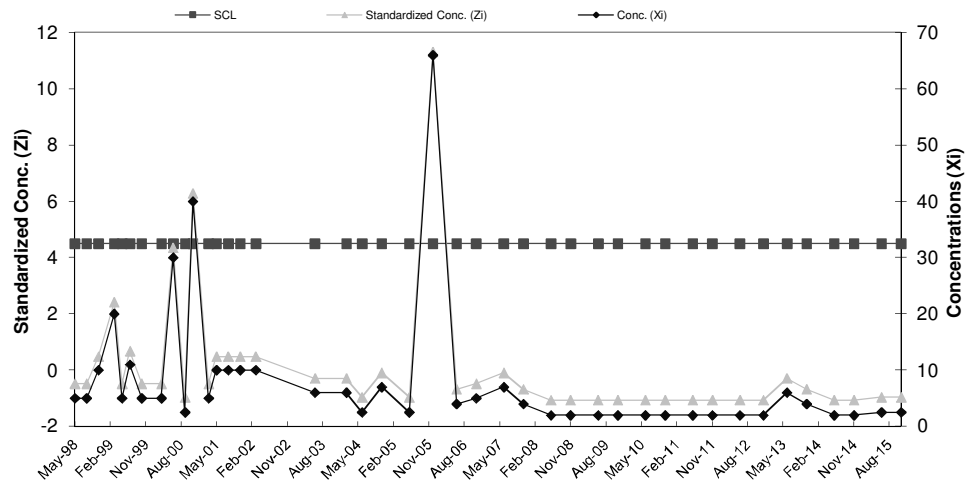


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault E - Copper**

| 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                    | 47 | Jun-14 | 4.5 | 2          | -1.06                   |
| 15 | Oct-99 | 4.5 | 5          | -0.48                   | 48 | Nov-14 | 4.5 | 2          | -1.06                   |
| 16 | Mar-00 | 4.5 | 5          | -0.48                   | 49 | Jun-15 | 4.5 | 2.5        | -0.97                   |
| 17 | Jun-00 | 4.5 | 30         | 4.35                    | 50 | Nov-15 | 4.5 | 2.5        | -0.97                   |
| 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

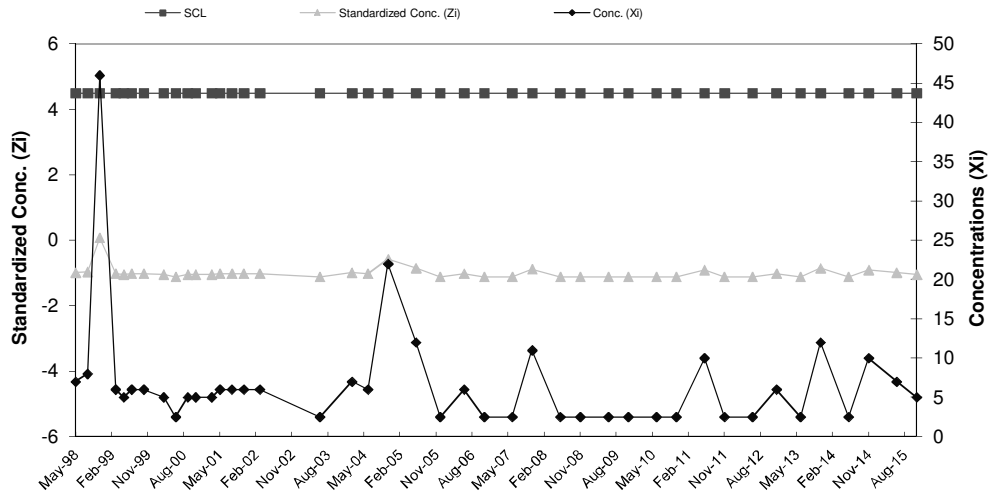


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault E - Nickel**

| 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                   | 47 | Jun-14 | 4.5 | 2.5        | -1.11                   |
| 15 | Oct-99 | 4.5 | 6          | -1.02                   | 48 | Nov-14 | 4.5 | 10         | -0.91                   |
| 16 | Mar-00 | 4.5 | 5          | -1.05                   | 49 | Jun-15 | 4.5 | 7          | -0.99                   |
| 17 | Jun-00 | 4.5 | 2.5        | -1.11                   | 50 | Nov-15 | 4.5 | 5          | -1.05                   |
| 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

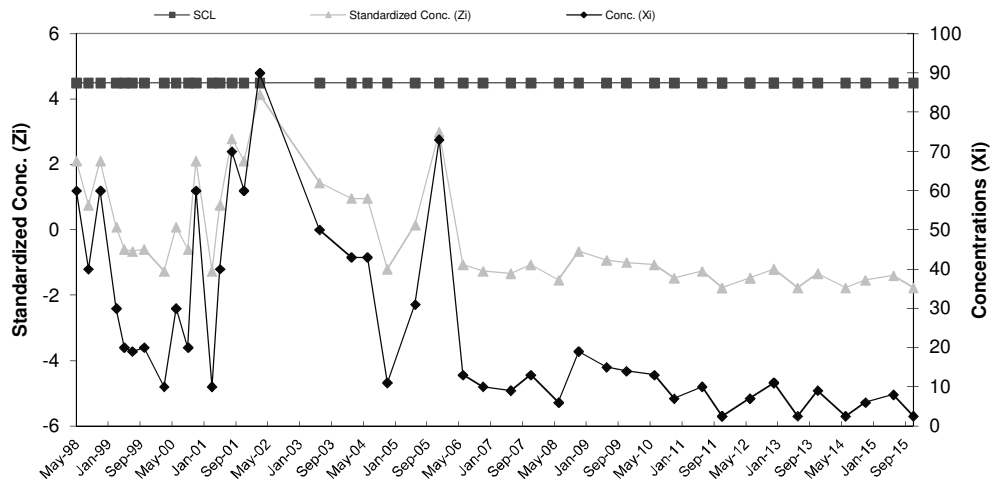


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault E - Zinc**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Mar-96 | 10    | 28.75 | 14.79    |
| 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                   | 47 | Jun-14 | 4.5 | 2.5        | -1.77                   |
| 15 | Oct-99 | 4.5 | 20         | -0.59                   | 48 | Nov-14 | 4.5 | 6          | -1.54                   |
| 16 | Mar-00 | 4.5 | 10         | -1.27                   | 49 | Jun-15 | 4.5 | 8          | -1.40                   |
| 17 | Jun-00 | 4.5 | 30         | 0.08                    | 50 | Nov-15 | 4.5 | 2.5        | -1.77                   |
| 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

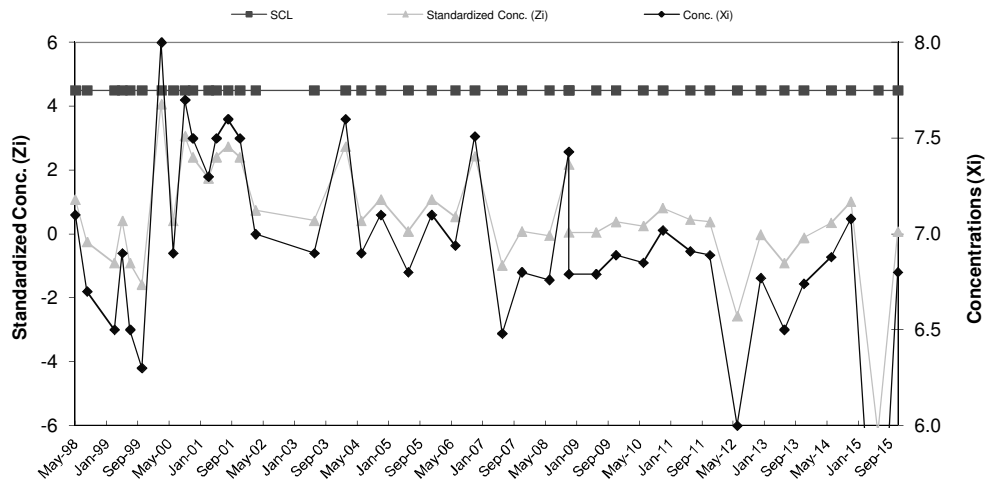


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault E - pH**

| 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 | 7.10       | 1.08                    | 41 | Nov-11 | 4.5 | 6.9        | 0.38                    |
| 10 | Aug-98 | 4.5 | 6.70       | -0.25                   | 42 | Jun-12 | 4.5 | 6          | -2.57                   |
| 11 | Mar-99 | 4.5 | 6.50       | -0.91                   | 43 | Dec-12 | 4.5 | 6.77       | -0.02                   |
| 12 | May-99 | 4.5 | 6.90       | 0.42                    | 44 | Jun-13 | 4.5 | 6.5        | -0.91                   |
| 13 | Jul-99 | 4.5 | 6.50       | -0.91                   | 45 | Nov-13 | 4.5 | 6.74       | -0.12                   |
| 14 | Oct-99 | 4.5 | 6.30       | -1.58                   | 46 | Jun-14 | 4.5 | 6.88       | 0.35                    |
| 15 | Mar-00 | 4.5 | 8.00       | 4.07                    | 47 | Nov-14 | 4.5 | 7.08       | 1.01                    |
| 16 | Jun-00 | 4.5 | 6.90       | 0.42                    | 48 | Jun-15 | 4.5 | 4.9        | -6.23                   |
| 17 | Sep-00 | 4.5 | 7.70       | 3.07                    | 49 | Nov-15 | 4.5 | 6.8        | 0.08                    |
| 18 | Nov-00 | 4.5 | 7.50       | 2.41                    |    |        |     |            |                         |
| 19 | Mar-01 | 4.5 | 7.30       | 1.74                    |    |        |     |            |                         |
| 20 | May-01 | 4.5 | 7.50       | 2.41                    |    |        |     |            |                         |
| 21 | Aug-01 | 4.5 | 7.60       | 2.74                    |    |        |     |            |                         |
| 22 | Nov-01 | 4.5 | 7.50       | 2.41                    |    |        |     |            |                         |
| 23 | Mar-02 | 4.5 | 7.00       | 0.75                    |    |        |     |            |                         |
| 24 | Jun-03 | 4.5 | 6.90       | 0.42                    |    |        |     |            |                         |
| 25 | Feb-04 | 4.5 | 7.60       | 2.74                    |    |        |     |            |                         |
| 26 | Jun-04 | 4.5 | 6.90       | 0.42                    |    |        |     |            |                         |
| 27 | Nov-04 | 4.5 | 7.10       | 1.08                    |    |        |     |            |                         |
| 28 | Jun-05 | 4.5 | 6.80       | 0.08                    |    |        |     |            |                         |
| 29 | Dec-05 | 4.5 | 7.10       | 1.08                    |    |        |     |            |                         |
| 30 | Jun-06 | 4.5 | 6.94       | 0.55                    |    |        |     |            |                         |
| 31 | Nov-06 | 4.5 | 7.51       | 2.44                    |    |        |     |            |                         |
| 32 | Jun-07 | 4.5 | 6.48       | -0.98                   |    |        |     |            |                         |
| 33 | Nov-07 | 4.5 | 6.80       | 0.08                    |    |        |     |            |                         |
| 34 | Jun-08 | 4.5 | 6.76       | -0.05                   |    |        |     |            |                         |
| 35 | Nov-08 | 4.5 | 7.43       | 2.17                    |    |        |     |            |                         |
| 35 | Nov-08 | 4.5 | 6.79       | 0.05                    |    |        |     |            |                         |
| 36 | Jun-09 | 4.5 | 6.79       | 0.05                    |    |        |     |            |                         |
| 37 | Nov-09 | 4.5 | 6.89       | 0.38                    |    |        |     |            |                         |
| 38 | Jun-10 | 4.5 | 6.85       | 0.25                    |    |        |     |            |                         |
| 39 | Nov-10 | 4.5 | 7.02       | 0.81                    |    |        |     |            |                         |
| 40 | Jun-11 | 4.5 | 6.91       | 0.45                    |    |        |     |            |                         |

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

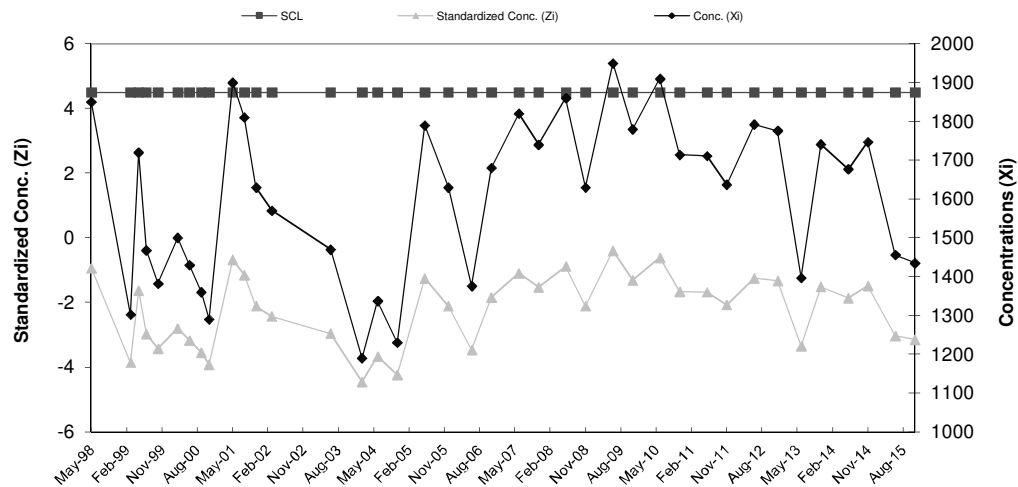


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault E - SpC**

| 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                   | 44 | Jun-14 | 4.5 | 1677       | -1.86                   |
| 15 | Jun-00 | 4.5 | 1430       | -3.17                   | 45 | Nov-14 | 4.5 | 1747       | -1.49                   |
| 16 | Sep-00 | 4.5 | 1360       | -3.55                   | 46 | Jun-15 | 4.5 | 1456       | -3.04                   |
| 17 | Nov-00 | 4.5 | 1290       | -3.92                   | 47 | Nov-15 | 4.5 | 1435       | -3.15                   |
| 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

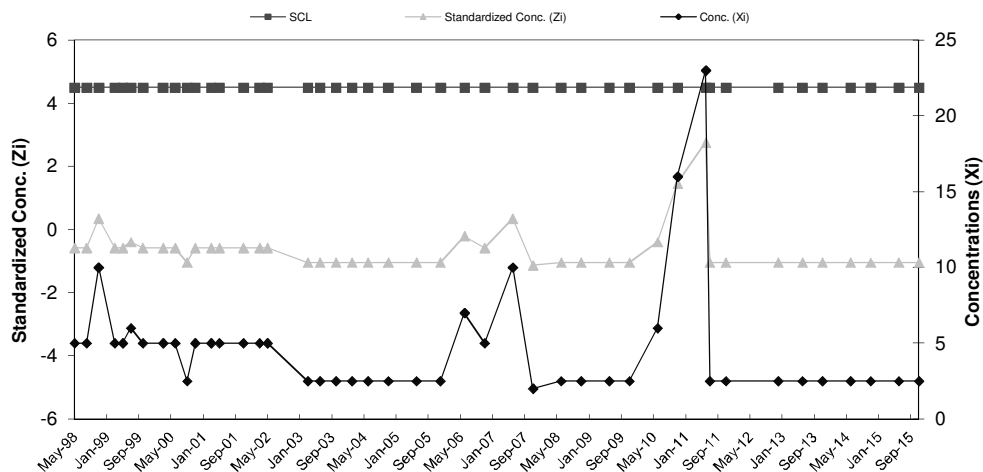


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault F - Chromium**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 10    | 8.13 | 5.40     |
| 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                   | 49 | Jun-14 | 4.5 | 2.5        | -1.04                   |
| 15 | Oct-99 | 4.5 | 5          | -0.58                   | 50 | Nov-14 | 4.5 | 2.5        | -1.04                   |
| 16 | Mar-00 | 4.5 | 5          | -0.58                   | 51 | Jun-15 | 4.5 | 2.5        | -1.04                   |
| 17 | Jun-00 | 4.5 | 5          | -0.58                   | 52 | Nov-15 | 4.5 | 2.5        | -1.04                   |
| 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

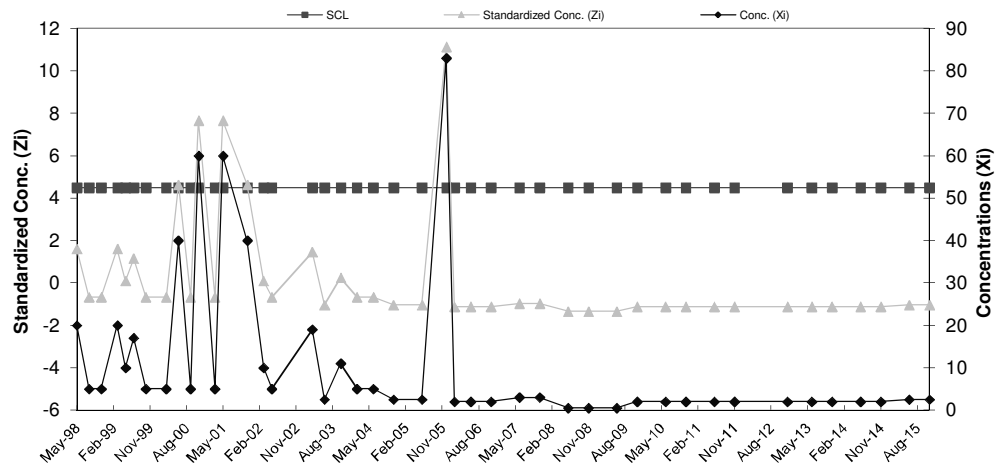


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault F - Copper**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 10    | 9.38 | 6.61     |
| 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                    | 49 | Jun-14 | 4.5 | 2          | -1.12                   |
| 15 | Oct-99 | 4.5 | 5          | -0.66                   | 50 | Nov-14 | 4.5 | 2          | -1.12                   |
| 16 | Mar-00 | 4.5 | 5          | -0.66                   | 51 | Jun-15 | 4.5 | 2.5        | -1.04                   |
| 17 | Jun-00 | 4.5 | 40         | 4.63                    | 52 | Nov-15 | 4.5 | 2.5        | -1.04                   |
| 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

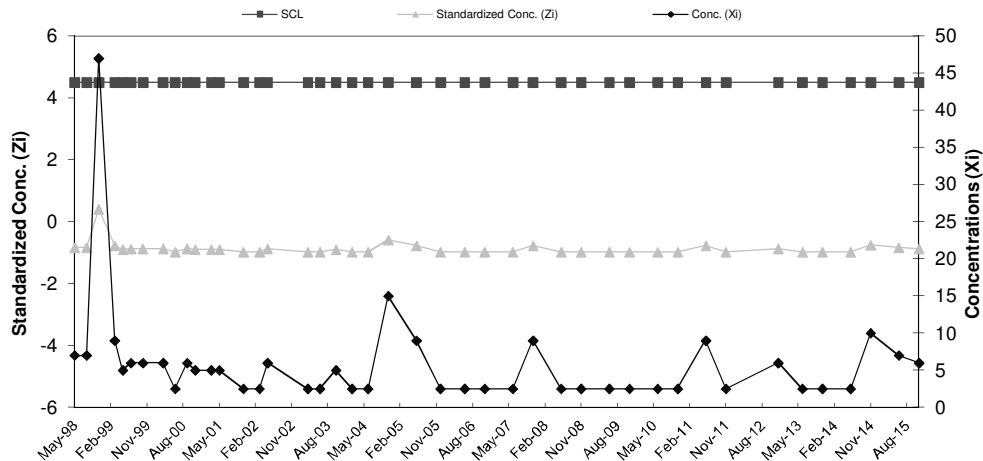


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault F - Nickel**

| Baseline Data |        |       |       |          |
|---------------|--------|-------|-------|----------|
| Ti            | Date   | Conc. | Mean  | Std. Dev |
| 1             | Jun-95 | 15    | 33.88 | 31.96    |
| 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                   | 48 | Jun-14 | 4.5 | 2.5        | -0.98                   |
| 15 | Oct-99 | 4.5 | 6          | -0.87                   | 49 | Nov-14 | 4.5 | 10         | -0.75                   |
| 16 | Mar-00 | 4.5 | 6          | -0.87                   | 50 | Jun-15 | 4.5 | 7          | -0.84                   |
| 17 | Jun-00 | 4.5 | 2.5        | -0.98                   | 51 | Nov-15 | 4.5 | 6          | -0.87                   |
| 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

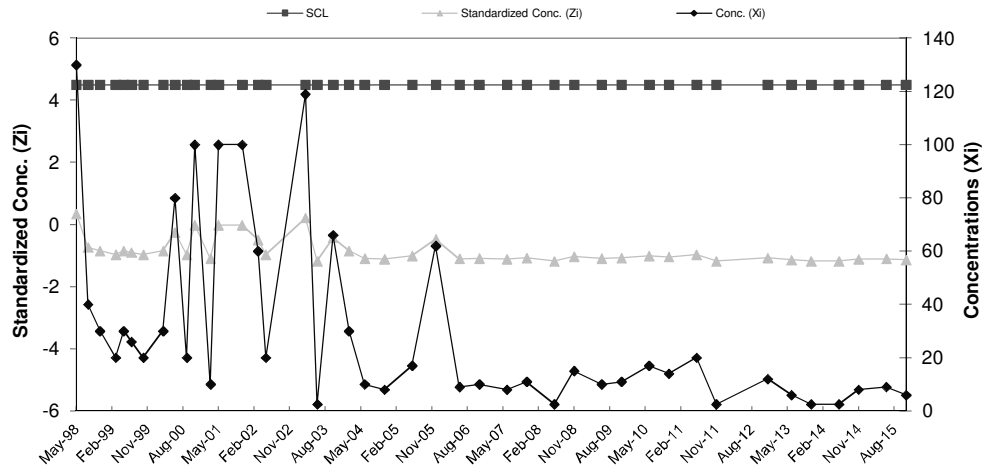


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault F - Zinc**

| 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                   | 48 | Jun-14 | 4.5 | 2.5        | -1.18                   |
| 15 | Oct-99 | 4.5 | 20         | -0.97                   | 49 | Nov-14 | 4.5 | 8          | -1.12                   |
| 16 | Mar-00 | 4.5 | 30         | -0.85                   | 50 | Jun-15 | 4.5 | 9          | -1.10                   |
| 17 | Jun-00 | 4.5 | 80         | -0.25                   | 51 | Nov-15 | 4.5 | 6          | -1.14                   |
| 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

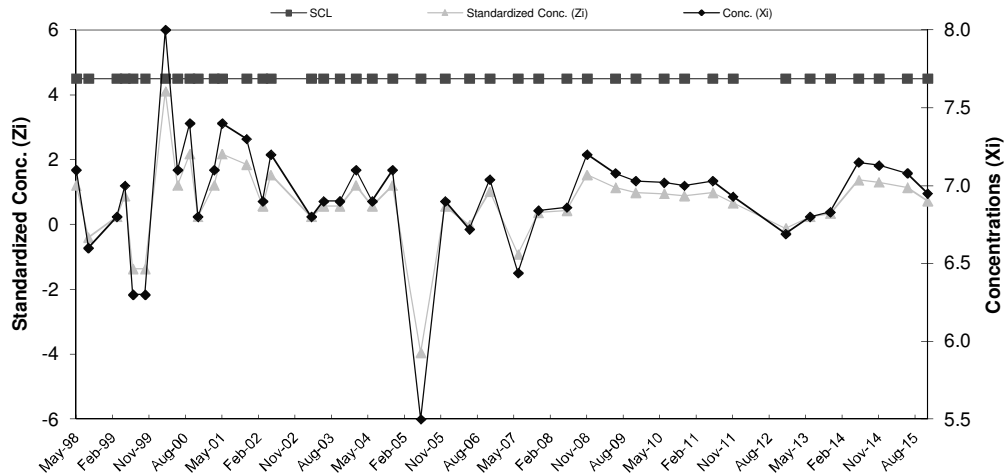


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault F - pH**

| Baseline Data |        |       |      |          |
|---------------|--------|-------|------|----------|
| Ti            | Date   | Conc. | Mean | Std. Dev |
| 1             | Jun-95 | 6.8   | 6.73 | 0.31     |
| 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 | 7.10       | 1.21                    | 42 | Jun-11 | 4.5 | 7.0        | 0.98                    |
| 10 | Aug-98 | 4.5 | 6.60       | -0.40                   | 43 | Nov-11 | 4.5 | 6.93       | 0.66                    |
| 11 | Mar-99 | 4.5 | 6.80       | 0.24                    | 44 | Dec-12 | 4.5 | 6.69       | -0.11                   |
| 12 | May-99 | 4.5 | 7.00       | 0.89                    | 45 | Jun-13 | 4.5 | 6.8        | 0.24                    |
| 13 | Jul-99 | 4.5 | 6.30       | -1.37                   | 46 | Nov-13 | 4.5 | 6.83       | 0.34                    |
| 14 | Oct-99 | 4.5 | 6.30       | -1.37                   | 47 | Jun-14 | 4.5 | 7.15       | 1.37                    |
| 15 | Mar-00 | 4.5 | 8.00       | 4.11                    | 48 | Nov-14 | 4.5 | 7.13       | 1.30                    |
| 16 | Jun-00 | 4.5 | 7.10       | 1.21                    | 49 | Jun-15 | 4.5 | 7.08       | 1.14                    |
| 17 | Sep-00 | 4.5 | 7.40       | 2.17                    | 50 | Nov-15 | 4.5 | 6.95       | 0.72                    |
| 18 | Nov-00 | 4.5 | 6.80       | 0.24                    |    |        |     |            |                         |
| 19 | Mar-01 | 4.5 | 7.10       | 1.21                    |    |        |     |            |                         |
| 20 | May-01 | 4.5 | 7.40       | 2.17                    |    |        |     |            |                         |
| 21 | Nov-01 | 4.5 | 7.30       | 1.85                    |    |        |     |            |                         |
| 22 | Mar-02 | 4.5 | 6.90       | 0.56                    |    |        |     |            |                         |
| 23 | May-02 | 4.5 | 7.20       | 1.53                    |    |        |     |            |                         |
| 24 | Mar-03 | 4.5 | 6.80       | 0.24                    |    |        |     |            |                         |
| 25 | Jun-03 | 4.5 | 6.90       | 0.56                    |    |        |     |            |                         |
| 26 | Oct-03 | 4.5 | 6.90       | 0.56                    |    |        |     |            |                         |
| 27 | Feb-04 | 4.5 | 7.10       | 1.21                    |    |        |     |            |                         |
| 28 | Jun-04 | 4.5 | 6.90       | 0.56                    |    |        |     |            |                         |
| 29 | Nov-04 | 4.5 | 7.10       | 1.21                    |    |        |     |            |                         |
| 30 | Jun-05 | 4.5 | 5.50       | -3.94                   |    |        |     |            |                         |
| 31 | Dec-05 | 4.5 | 6.90       | 0.56                    |    |        |     |            |                         |
| 32 | Jun-06 | 4.5 | 6.72       | -0.02                   |    |        |     |            |                         |
| 33 | Nov-06 | 4.5 | 7.04       | 1.01                    |    |        |     |            |                         |
| 34 | Jun-07 | 4.5 | 6.44       | -0.92                   |    |        |     |            |                         |
| 35 | Nov-07 | 4.5 | 6.84       | 0.37                    |    |        |     |            |                         |
| 36 | Jun-08 | 4.5 | 6.86       | 0.43                    |    |        |     |            |                         |
| 37 | Nov-08 | 4.5 | 7.20       | 1.53                    |    |        |     |            |                         |
| 38 | Jun-09 | 4.5 | 7.08       | 1.14                    |    |        |     |            |                         |
| 39 | Nov-09 | 4.5 | 7.03       | 0.98                    |    |        |     |            |                         |
| 40 | Jun-10 | 4.5 | 7.02       | 0.95                    |    |        |     |            |                         |
| 41 | Nov-10 | 4.5 | 7.00       | 0.89                    |    |        |     |            |                         |

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

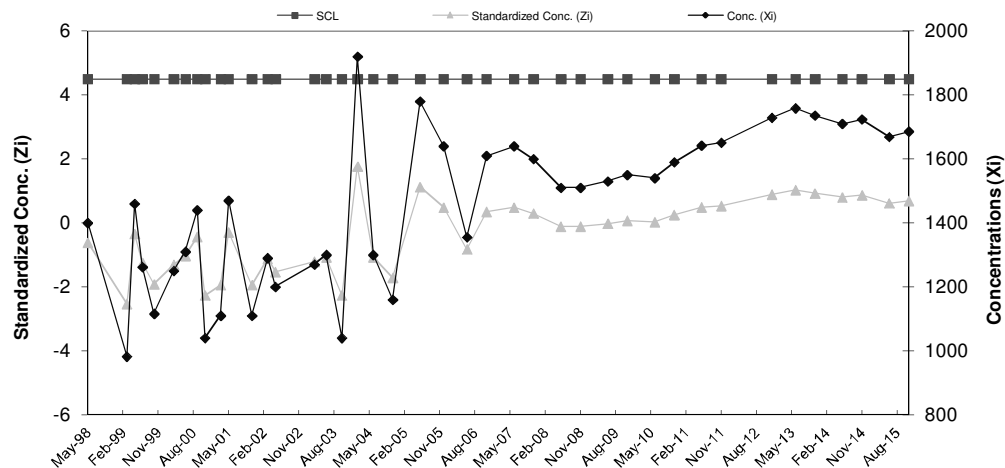


**COLDWATER ROAD LANDFILL FACILITY**  
**RCRA LANDFILL LEAK DETECTION SYSTEM**  
**SHEWART CONTROL CHART**  
**Vault F - SpC**

| 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                   | 46 | Jun-14 | 4.5 | 1710       | 0.80                    |
| 15 | Jun-00 | 4.5 | 1310       | -1.03                   | 47 | Nov-14 | 4.5 | 1724       | 0.87                    |
| 16 | Sep-00 | 4.5 | 1440       | -0.44                   | 48 | Jun-15 | 4.5 | 1669       | 0.61                    |
| 17 | Nov-00 | 4.5 | 1040       | -2.27                   | 49 | Nov-15 | 4.5 | 1686       | 0.69                    |
| 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



**OBG**

THERE'S A WAY

