

LOGAN

Mayor: Randy Watts

RECEIVED

January 31, 2012

FEB 23 2012

Utah Division of Environmental Quality
Division of Solid and Hazardous Waste
P.O. Box 144880
Salt Lake City, UT 84114-4880

UTAH DIVISION OF
SOLID & HAZARDOUS WASTE
2012.00452

Attention: Scott T. Anderson, Director

Subject: Annual Landfill Report 2011

I am pleased to submit the attached Logan City Sanitary Landfill Annual Report. This report contains the completed Solid Waste Facility Annual Report Forms from the Department of Environmental Quality Division of Solid and Hazardous Waste, and additional pertinent information to Logan City Landfill operations.

This report includes the Class I Solid Waste Annual Report Form, the Class IVb Solid Waste Annual Report Form, the Compost Facility Annual Report Form, an Executive Summary, Attachments I – IV and Appendices A and B.

Attachments:

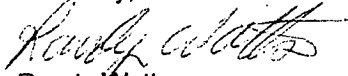
- I. Financial Assurance
- II. Ground Water Monitoring Report
- III. Explosive Gas Monitoring Report
- IV. Training Report

Appendices:

- A. Tonnage Report
- B. Calculations and References

If you have any questions regarding this report, please feel free to call Issa Hamud at (435) 716-9752

Sincerely,



Randy Watts
Mayor

SOLID WASTE LANDFILL ANNUAL REPORT

For Calendar year 2011

Administrative Information (Please enter all the information requested below)

Facility Name: Logan City Sanitary Landfill

Facility Mailing Address: 450 N 1000 W

(Number & Street, Box and/or Route)

City: Logan Zip Code: 84321

County: Cache Permit Number: 9432R2

Owner

Name: City of Logan Phone No.: (435)716-9000

Owner Mailing Address: 290 N 100 W

(Number & Street, Box and/or Route)

City: Logan State: Utah Zip Code: 84323-1

Contact Name: Issa Hamud Contact Title: Environmental Director

Contact's Mailing Address: 450 N 1000 W

Phone No.: (435)716-9752 Contact's Email Address: issa.hamud@loganutah.org

Operator (Complete this section only if the operator is not an employee of the Owner shown above)

Name: _____ Phone No.: _____

Owner Mailing Address: _____

(Number & Street, Box and/or Route)

City: _____ State: Utah Zip Code: _____

Contact Name: _____ Contact Title: _____

Contact's Mailing Address: _____

Phone No.: _____ Contact's Email Address: _____

Facility Type and Status

- | | | | |
|-------------------------------------|---|-----------------------------------|--|
| <input type="checkbox"/> Class I | <input type="checkbox"/> Class IIIb | <input type="checkbox"/> Class V | <input type="checkbox"/> Facility Closed during the year
Date Closed: _____ |
| <input type="checkbox"/> Class II | <input type="checkbox"/> Class IVa | <input type="checkbox"/> Class VI | |
| <input type="checkbox"/> Class IIIa | <input checked="" type="checkbox"/> Class IVb | | |

Annual Disposal (Tons received at the facility for disposal)

Waste Type	Waste Origin		Total	Measurement	
	In-State	Out-of-State		Tons	Cubic Yards
Municipal	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
Industrial	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
C/D*	24,903.00	_____	24,903.00	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*C/D waste includes all waste going to a Class IV or VI landfill cell

Conversion Factor Used

- None Used Site Specific From Rules List Site Specific Conversion: 0.33 tons per pickup

Recycling

Material Recycled: _____ Reported in Tons Cubic Yards

Utah Disposal Fee

Disposal fee required to be paid to State Yes No (If yes please show fees paid below)

Municipal: _____ Industrial: _____ C/D: _____ Annual: _____

Municipal, Industrial and C/D are fees paid by Commercial Facilities. Annual fee is paid by facilities operated by a municipality

Current Landfill Remaining Capacity

Tons: 374,207.00 Cubic Yards: _____ Acre: _____ Years: _____

Acres Currently Open: 5.00 Acres Currently Closed: _____

Financial Assurance

Current Closure Cost Estimate: \$6,916,481.94

Current Post-Closure Cost Estimate: \$960,772.69

Current Amount or Balance in Mechanism: \$1,645,005.00

(If facility permit has been renewed and if balance does not equal or exceed total for closure and post-closure care please contact the Division)

Current Financial Assurance Mechanism: Government Trust and Investment Fund

(ie. Bond, Trust Fund, Corporate or government Test etc.)

Current Financial Assurance Mechanism Holder: PTIF Account #0871

(ie. Name of Bond Company, Bank etc. Account number)

Financial Assurance: Each facility must recalculate the cost of closure and post-closure care to account for inflation and design changes each year. The inflation factor can be found on the Division web page. Facilities that are using a trust account should include a copy of the most recent account statement.

Note Facilities using "Local Government Financial Test" or the "Corporate Financial Test" must provide the information required in R315-309-8(4) or R315-309-9(3) each year.

Other Reports and Information to be Submitted with Annual Report

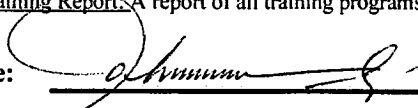
Ground Water Monitoring: Class I and V landfills only. Check if exempt

Explosive Gas Monitoring: Class I, II and V landfills only. Check if exempt

Does the facility have a landfill gas collection system Yes No

If yes please briefly describe use of gas, e.g., flared or used for electricity generation.

Training Report: A report of all training programs or procedures completed by facility personnel during the year.

Signature: 

Date: 1-19-2012

Signature should be by an executive officer, general partner, proprietor, elected official, or a duly authorized representative. A duly authorized representative must meet the requirements of the solid waste rules (UAC R315-310-2(4)(d)).

Type Name: Issa Hamud

Title: 1-19-2012

Hansen, Bradshaw, Malmrose & Erickson

A Professional Corporation
CERTIFIED PUBLIC ACCOUNTANTS

559 West 500 South
Bountiful, Utah 84010
801-296-0200
Fax 801-296-1218

E. Lynn Hansen, CPA
Clarke R. Bradshaw, CPA
Gary E. Malmrose, CPA
Edwin L. Erickson, CPA
Michael L. Smith, CPA
Jason L. Tanner, CPA

Robert D. Wood, CPA
Aaron R. Hixson, CPA
Ted C. Gardiner, CPA
Jeffrey B. Miles, CPA

*Members of the
American Institute
of Certified Public
Accountants*

*Members of the
Private Company
Practice Section*

Mayor and City Council
Logan City, Utah

We have performed the procedures enumerated below, which were agreed to by Logan City, Utah ("the City") solely for the information and use of management of the City. This engagement to apply agreed-upon procedures was performed in accordance with standards established by the American Institute of Certified Public Accountants. The sufficiency of the procedures is solely the responsibility of the specified users of the report. Consequently, we make no representation regarding the sufficiency of the procedures described below either for the purpose for which this report has been requested or for any other purpose.

The procedures we performed and our findings are as follows:

1. We confirmed that the City's financial statements were prepared in accordance with Generally Accepted Accounting Principles (GAAP) as of and for the year ended June 30, 2011.
2. We confirmed that the City has not operated at a deficit equal to 5% or more, of the total annual revenue in each of the past two fiscal years (June 30, 2011 and 2010).
3. We confirmed that the City has not received an adverse opinion, disclaimer of opinion, or other qualified opinion on its audited financial statements as of and for the year ended June 30, 2011.
4. We determined that the City's outstanding general obligation bonds are secured or have a rating not lower than Baa as issued by Moody's or BBB as issued by Standard and Poor's at June 30, 2011.

We did not perform an examination on compliance with the above criteria, the objective of which would be an expression of an opinion on compliance with the criteria. Had we performed an examination, other matters may have come to our attention that would have been reported to you.

This report is intended solely for the information and use by management, the Mayor and City Council of Logan City, Utah, and the Utah Department of Environmental Quality and is not intended to be and should not be used by anyone other than these specified parties.

Hansen, Bradshaw, Malmrose & Erickson, P.C.

December 22, 2011

January 9, 2012

Doug Taylor, Geologist/Environmental Scientist
Department of Environmental Quality
195 N 1950 W
P.O. Box 144880
Salt Lake City, UT 84114-4880

Dear Mr. Taylor:

I am submitting the following information to meet the financial assurance requirements for closure and post-closure costs at the Logan City Landfill in accordance with the *Utah Solid Waste Permitting and Management Rules* Subsection R315-309-8(4)(a).

Requirement 4(a)(i)

The current cost estimate covered by the financial test is \$7,247,477. The cost estimates used during the year ended June 30, 2011 were prepared by the engineering firm of IGES.

Requirement 4(a)(ii)

The requirements of 8(2) are met as follows:

- 8(2)(a) The City's outstanding general obligation debt is currently rated as Aa2 by Moody's.
- 8(2)(b) Not applicable.
- 8(2)(c) Enclosed is a copy of the City of Logan's audited financial statements, which have been prepared in conformity with Generally Accepted Accounting Principles (GAAP).

8(2)(d) Footnote 15 on page 55 of the City's financial statements makes the necessary references to closure and post-closure costs.

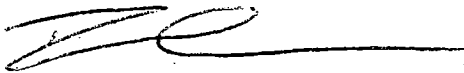
The requirements of 8(6) are met as follows:

8(6)(a) The closure and post-closure costs assured by the financial test are below 43% of the City's total annual revenue. The City's total annual revenue for its enterprise and governmental funds for the year ended June 30, 2011 was \$98,165,243. Governmental fund revenues can be found on page 26 of the audited financial statements. Enterprise fund revenues can be found on page 30 of the financial statements. The maximum assurance for Logan City at 43% is \$42,211,054.

8(6)(b) The City is not assuring any other environmental obligation through a financial test.

If you have any questions about the information provided, please call.

Sincerely,



Richard Anderson CPA, CFE, CGFM, CPFO
Director of Finance
City of Logan

City of Logan
Statement of Net Assets
June 30, 2011

	Governmental Activities	Business-type Activities	Total
ASSETS			
Current assets:			
Cash and cash equivalents	\$ 16,144,552	\$ 40,742,322	\$ 56,886,874
Investments	4,587,260	9,172,963	13,760,223
Accounts receivable (net of allowance)	1,056,823	3,857,055	4,913,678
Property tax receivable	8,074,571	-	8,074,571
Interest receivable	20,687	3,406	24,093
Due from other governmental units	3,160,099	171,683	3,331,782
Prepaid assets	134,925	-	134,925
Inventory	7,539	605,256	612,795
Internal balances	(841,089)	841,089	-
Total current assets	<u>32,345,167</u>	<u>55,393,774</u>	<u>87,738,941</u>
Noncurrent assets:			
Restricted assets:			
Cash and cash equivalents	2,954,461	4,195,331	7,149,792
Deferred costs	194,319	229,560	423,879
Capital assets:			
Land	16,132,316	7,382,935	23,515,251
Buildings	36,850,528	12,670,270	49,520,798
Improvements other than buildings	12,116,050	91,570,795	103,686,845
Equipment	15,172,728	52,060,842	67,233,570
Infrastructure	38,835,447	-	38,835,447
Less accumulated depreciation	(57,558,145)	(64,598,444)	(122,156,589)
Work in progress	705,957	8,245,708	8,951,665
Total noncurrent assets	<u>65,403,661</u>	<u>111,756,997</u>	<u>177,160,658</u>
Total assets	<u>97,748,828</u>	<u>167,150,771</u>	<u>264,899,599</u>
LIABILITIES			
Current liabilities:			
Accrued liabilities	2,820,983	7,146,921	9,967,904
Deferred revenue	8,270,964	787	8,271,751
Compensated absences	1,268,812	565,052	1,833,864
Interest payable	247,496	127,232	374,728
Leases payable	154,244	-	154,244
Notes payable	3,465	-	3,465
Bonds payable	1,872,000	2,903,000	4,775,000
Total current liabilities	<u>14,637,964</u>	<u>10,742,992</u>	<u>25,380,956</u>
Noncurrent liabilities:			
Compensated absences	321,257	162,561	483,818
Leases payable	859,798	-	859,798
Bonds payable	12,838,460	20,733,065	33,571,525
Landfill closure/post-closure costs	-	4,027,215	4,027,215
Total noncurrent liabilities	<u>14,019,515</u>	<u>24,922,841</u>	<u>38,942,356</u>
Total liabilities	<u>28,657,479</u>	<u>35,665,833</u>	<u>64,323,312</u>
NET ASSETS			
Invested in capital assets, net of related debt	46,646,658	83,696,041	130,342,699
Restricted for:			
Debt service	1,039,630	1,397,894	2,437,524
Capital activities	2,766,210	4,049,617	6,815,827
Redevelopment	1,784,259	-	1,784,259
Other	450,795	-	450,795
Unrestricted	16,403,797	42,341,386	58,745,183
Total net assets	<u>69,091,349</u>	<u>131,484,938</u>	<u>200,576,287</u>
Total liabilities and net assets	<u>\$ 97,748,828</u>	<u>\$ 167,150,771</u>	<u>\$ 264,899,599</u>

The accompanying notes are an integral part of this statement.

**City of Logan
Balance Sheet
Governmental Funds
June 30, 2011**

	General	Redevelopment Agency	Other Governmental Funds	Total Governmental Funds
ASSETS				
Cash and cash equivalents	\$ 1,079,449	\$ 2,986,415	\$ 9,147,333	\$ 13,213,197
Investments	4,587,260	-	-	4,587,260
Accounts receivable (net of allowance)	92,575	359,943	604,105	1,056,623
Property tax receivable	2,624,960	3,985,214	1,464,397	8,074,571
Interest receivable	20,687	-	-	20,687
Due from other funds	775,000	-	-	775,000
Due from other governmental units	2,880,485	-	279,614	3,160,099
Prepaid assets	57,925	-	-	57,925
Inventory	7,539	-	-	7,539
Restricted assets:				
Cash and cash equivalents	2,814,838	107	139,516	2,954,461
Total assets	14,940,718	7,331,679	11,634,965	33,907,362
LIABILITIES AND FUND BALANCES				
Liabilities:				
Accrued liabilities	1,668,147	338,236	212,565	2,218,948
Due to other funds	-	865,000	-	865,000
Deferred revenue	2,710,737	4,344,077	2,100,173	9,154,987
Total liabilities	4,378,884	5,547,313	2,312,738	12,238,935
Fund balances:				
Nonspendable	840,464	-	-	840,464
Restricted	4,056,096	1,784,366	200,432	6,040,894
Committed	-	-	9,121,795	9,121,795
Assigned	56,690	-	-	56,690
Unassigned	5,608,584	-	-	5,608,584
Total fund balances	10,561,834	1,784,366	9,322,227	21,668,427
Total liabilities and fund balances	\$ 14,940,718	\$ 7,331,679	\$ 11,634,965	\$ 33,907,362

The accompanying notes are an integral part of this statement.

City of Logan
Statement of Activities
For the Year Ended June 30, 2011

Function/Programs	Net Revenues (Expenses) and Changes in Net Assets						
	Expenses	Charges for Services	Operating Grants and Contributions	Capital Grants and Contributions	Governmental Activities	Primary Government Business-type Activities	Total
Primary government:							
Governmental activities:							
General government	\$ 4,536,569	\$ 1,692,739	\$ 16,315	\$ -	\$ (2,827,515)	\$ -	\$ (2,827,515)
Public safety	13,410,929	2,695,818	408,127	-	(10,306,984)	-	(10,306,984)
Public works	5,618,065	73,739	1,375,660	437,780	(3,730,886)	-	(3,730,886)
Parks, recreation and culture	6,157,606	904,952	835,864	137,666	(4,279,124)	-	(4,279,124)
Debt service - interest and fiscal charges	722,554	-	-	-	(722,554)	-	(722,554)
Total governmental activities	30,445,723	5,367,248	2,635,966	575,446	(21,867,063)	-	(21,867,063)
Business-type activities:							
Water and sewer	6,479,924	9,415,093	17,040	449,665	-	3,401,874	3,401,874
Sewer treatment	1,683,595	5,959,987	-	-	-	4,276,392	4,276,392
Electric	29,339,903	34,991,678	-	1,586,494	-	7,238,269	7,238,269
Environmental health	8,015,044	10,974,250	-	-	-	2,959,206	2,959,206
Storm water management	595,459	1,208,046	8,310	377,958	-	998,855	998,855
Golf course	910,292	716,924	1,490	-	-	(191,878)	(191,878)
Total business-type activities	47,024,217	63,265,978	26,840	2,414,117	-	18,682,718	18,682,718
Total primary government	\$ 77,469,940	\$ 68,633,226	\$ 2,662,806	\$ 2,989,563	(21,867,063)	18,682,718	(3,184,345)
General revenues:							
Property tax					7,659,716		7,659,716
Sales tax and other taxes and fees					13,528,685		13,528,685
Grants and contributions not restricted to specific programs					966,669		966,669
Unrestricted investment earnings					344,296	410,835	755,131
Miscellaneous					710,155		710,155
Gain on sale of assets					64,315		64,315
Transfers					4,085,544	(4,085,544)	-
Total general revenues and transfers					27,359,380	(3,674,709)	23,684,671
Change in net assets					5,492,317	15,008,009	20,500,326
Net assets, beginning					63,599,032	116,476,929	180,075,961
Net assets, ending					\$ 69,091,349	\$ 131,484,938	\$ 200,576,287

The accompanying notes are an integral part of this statement.

CITY OF LOGAN
NOTES TO THE FINANCIAL STATEMENTS

Note 14 – Economic Dependency

Utah State University is a significant customer of the City's enterprise funds. During fiscal year 2011, sales to Utah State University totaled \$2,390,747.

Note 15 – Environmental Health Landfill Closure and Post-Closure Costs

The City owns and operates a landfill that manages solid waste for the entire county. State and federal laws require the City to close the landfill when it reaches capacity and to monitor and maintain the site for thirty subsequent years. The City recognizes a portion of these costs in each operating period even though actual payouts will not occur until the landfill is closed. The amount recognized each year is based on the percent landfill capacity used as of the balance sheet date. There are several methodologies used to close a landfill, which result in varying costs and landfill capacities. The following cost estimates are based on the current methodology, which includes a dome-shaped landfill cap.

As of June 30, 2011, the City had incurred a liability of \$4,027,215 which represents the cost reported to date based on a 55.6 percent estimate of the landfill capacity used. Closure and post-closure costs were estimated to be \$7,247,477 in a 2007 engineering study. The remaining estimated liability is \$3,220,262, which will be recognized as the remaining capacity is used (estimated closing date is 2023). The estimated cost of closure and post-closure care is subject to change.

According to state and federal law, the City is required to establish a trust fund with an independent third party to accumulate assets needed for the payout of closure costs. Currently, assets reported as restricted assets totaling \$1,645,005 are held for this purpose.

Annually, the City files a financial assurance report for closure and post-closure costs with the Utah Department of Environmental Quality. The Department of Environmental Quality subsequently analyzes the sufficiency of reserve funds to meet future costs.

Note 16 – Redevelopment Agency

In accordance with the Utah State Code, municipalities having established Redevelopment Agencies are required to disclose certain revenues and expenditures associated with the various project areas. The revenues and expenditures associated with the City's redevelopment areas are as follows:

Logan Downtown RDA	
Revenues:	
Tax increment collected	\$ 225,241
Expenditures:	
Acquisition of property	-
Site improvements	-
Installation of utilities	-
Administrative costs	66,533
Tax increment rebate	12,564
Debt:	
City of Logan	-

CLOSURE COSTS (IMMEDIATE CLOSURE)

Section 1.0 - Engineering

CLOSURE NOW

ESTIMATED DATE OF CLOSURE - NOW

APPROXIMATE CLOSURE AREA - 4100,000

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
1.1	Topographic Survey	L.S.	\$7,500	1	\$7,500
1.2	Boundary Survey for Closure	NA			
1.3	Site Evaluation	L.S.	\$2,500	1	\$2,500
1.4	Development of Plans	L.S.	\$25,000	1	\$25,000
1.5	Contract Administration - (including award)	L.A.	\$7,500	1	\$7,500
1.6	Review of Final Cover and Closure Notice	L.S.	\$10,000	1	\$10,000
1.7	Project Management - (Contract Observations and Testing)	L.S.	\$40,000	1	\$40,000
1.8	Monitor Well Consultant Cost	NA			\$0
1.9	Other Environmental Permit Cost	NA			\$0
Engineering Subtotal					\$97,500

Section 2.0 - Construction

CLOSURE NOW

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
2.1	Final Cover System				
2.1.1	Site Preparation/ Site Regrading	ACRF	\$1,500	94.1	\$141,155
2.1.2	Gas Collection Layer/Type	NA			\$0
2.1.3	Low permeability Layer (Non - If Applicable)				
a	Soil Purchase	NA			\$0
b	Soil Processing (load)	CY	\$1.00	227,778	\$227,778
c	Soil Transportation	CY	\$2.00	227,778	\$455,556
d	Soil Placement	CY	\$1.00	227,778	\$227,778
e	Soil Amendment (compact)	CY	\$7.00	227,778	\$1,594,444
2.1.4	Low permeability Layer (Synthetic - If Applicable)				
a	Geotextile	NA			\$0
b	GCL	NA			\$0
c	Geomembrane	NA			\$0
2.1.5	Drainage Layer (Soil - If Applicable)				
a	Geotextile	NA			\$0
b	Sand/Gravel	NA			\$0
2.1.6	Drainage Layer (Synthetic - If Applicable)				
a	Geotextile	NA			\$0
b	Geocell/Geocompact	NA			\$0
2.1.7	Erosion Protection Soil Layer				
a	Soil Purchase	NA			\$0
b	Soil Processing (load)	CY	\$1.00	227,778	\$227,778
c	Soil Transportation	CY	\$2.00	227,778	\$455,556
d	Soil Placement	CY	\$1.00	227,778	\$227,778
e	Soil Amendment (Compact)	CY			\$0
2.1.8	Topsoil Layer				
a	Soil Purchase	NA			\$0
b	Soil Processing (load)	CY	\$1.00	75,926	\$75,926
c	Soil Transportation	CY	\$2.00	75,926	\$151,852
d	Soil Placement	CY	\$1.00	75,926	\$75,926
e	Soil Amendment	NA			\$0
2.1.9	Revegetation				
a	Seeding	ACRF	\$1,200	94.1	\$112,948
b	Fertilizing	ACRF	\$500	94.1	\$47,062
c	Mulch	ACRF	\$200	94.1	\$18,823
d	Tackifier	ACRF	\$200	94.1	\$18,823
2.2	Stormwater Protection Structures				
a	Culverts	EA	\$1,500	6	\$9,000
b	Pipes	NA	\$2,400	5	\$12,000
c	Ditches/Berms	LF	\$12,000	5	\$60,000
d	Detention Basins	NA			\$0
2.3	Gas Collection System				
a	Design	NA			\$0
b	Additional Equipment/Installation	NA			\$0
2.4	Leachate Collection System				
a	Design	NA			\$0
b	Additional Equipment/Installation	NA			\$0
2.5	Groundwater Monitoring System				
a	Monitor Well Installation	NA			\$0
b	Monitor Well Abandonment	NA			\$0
2.6	Site Security				
a	Lighting, signs, etc.	NA			\$0
b	Fencing and Gates	NA			\$0
2.7	Miscellaneous				
a	Performance Bonds	L.S.	\$10,000	1	\$10,000
b	Contract/legal fees	L.S.	\$5,000	1	\$5,000
Contractive Subtotal					\$4,155,213

L.S. - LUMP SUM
 NA - NOT APPLICABLE
 EA - EACH
 CY - CUBIC YARD
 LF - FEET

Total \$4,247,713
 10% Contingency \$424,771
 Subtotal Closure Cost \$4,672,485

POST-CLOSURE COSTS (30 YEARS)

Section 1.0 - Engineering

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
1.1	Post-Closure Plan	LS	\$5,965	1	\$5,965
1.2	Annual Report (including results from gas, leachate, and ground water sampling - details of maintenance performed)	LS	\$15,000	10	\$150,000
a	Semi-Annual Site Inspections	LS	\$400	60	\$24,000
b	Plan Update	LS	\$200	10	\$2,000
Engineering Subtotal					\$185,000

Section 2.0 - Gas Collection System - Sampling

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
2.1	Sample Collection	LS	\$250	60	\$15,000
2.2	Sample Analysis	NA			\$0
2.3	Report (Part of Annual Report)				\$0
Gas Collection System - Sampling Subtotal					\$15,000

Section 3.0 - Leachate Collection System - Sampling

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
3.1	Sample Collection	NA			\$0
3.2	Sample Analysis	NA			\$0
3.3	Report (Part of Annual Report)				\$0
Leachate Collection System - Sampling Subtotal					\$0

Section 4.0 - Ground Water Monitoring System - Sampling

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
4.1	Sample Collection	LS	\$965	60	\$97,800
4.2	Sample Analysis	LS	\$7,050	60	\$423,000
4.3	Report (Part of Annual Report)				\$0
Ground Water Collection System - Sampling Subtotal					\$520,800

Section 5.0 - Facility Operations and Maintenance

Item	Description	Unit Measure	Cost/Unit	No. Units	Total Cost
5.1	Cover				
a	Soil Replacement	LS	\$1,000	10	\$10,000
b	Vegetation/Reseeding	LS	\$300	30	\$15,000
5.2	Storm Water Protection Structures				
a	Ditch and Culvert Maintenance	LS	\$500	30	\$15,000
b	Berm and Basin Maintenance	LS	\$500	30	\$15,000
5.3	Gas Collection System				
a	System Operation	NA		30	\$0
b	System Repair	LS	\$200	30	\$6,000
5.4	Leachate Collection System				
a	System Operation	NA		30	\$0
b	System Repair	NA		30	\$0
5.5	Ground Water Monitoring System				
a	System Operation	NA		30	\$0
b	System Repair	LS	\$500	30	\$15,000
5.6	Site Security				
a	Lighting, signs, etc.	LS	\$500	30	\$15,000
b	Fencing and Gates	LS	\$500	30	\$15,000
5.7	Miscellaneous				
a					
b					
Facility Operations and Maintenance Subtotal					\$176,000

Total \$913,600
 10% Contingency \$90,360
 Total Post-Closure Cost \$823,240