

Gallatin Solid Waste Management District

Annual Report

July 1, 2015 - June 30, 2016



The Gallatin Solid Waste Management District Manages the Logan Landfill and the Bozeman Convenience Site. The Logan Landfill is a sanitary modern environmentally friendly regulated state-of-the-art Class II landfill. Internal

Programs include *Special Wastes*Environmental Monitoring*Recycling*Education*Outreach



Table of Contents

Letter from the District Manager	-3
Gallatin Solid Waste Management District	-4
District Mission Statement	-4
Gallatin Solid Waste Management District Board of Directors	-4
District Board Officers	-5
Table : District 3-Year Comparison to Actual Budget Expended FY 14-16	-6
Administration	-7
District Operations Logan Landfill (LLF)	-8
District Organizational Chart	-9
Operations at the Logan Landfill District Tonnages	-10
Table 2: Tonnages & Components July 1, 2015 to June 30, 2016	-10
Graph 1: 3-Year Incoming Tonnage by Month Comparison Fiscal Years 2014, 2015, 2016	-11
District Revenues	-12
Table 3: Revenue & Components July 1, 2015 to June 30, 2016	-12
Graph 2: 3-Year Revenue by Month Comparison Fiscal Years 2014, 2015, 2016	-12
Performance at the Logan Landfill	-12
Table 4: Logan Landfill Municipal Solid Waste Phase 2 Cell Performance Analysis Summary	-14
Table 5: Logan Landfill Municipal Solid Waste Phase 3 Cell Performance Analysis Summary	-15
Table 6: Logan Landfill Municipal Solid Waste Phase 2&3 Cells Performance Analysis Summary	-16
Class IV Area Performance Evaluation	-17
Table 7: Landfill Class IV Area Performance Analysis Life Estimates	-17
Table 8: Logan Landfill (Gallatin County) Life Projection Estimates April 2016	-18
Closure Work at the Logan Landfill	-20
Table 9: Logan Landfill Estimated Closure Costs Per Acre Alternative Final Cover System Updated March 2016	-23
Financial Assurance Approaches/Post Closure Care Costs at the Logan Landfill	-23
Table 10: Logan Landfill Estimated Closure Costs – Closure of Entire Remainder of Site Updated March 2016	-24
Table 11: Logan Landfill Estimated Closure Costs – Closure of Largest Open Area Updated March 2016	-25
Table 12: Logan Landfill Post Closure Care Cost Estimate	-26
Financial Assurance Update Based on Overall Site Life Approach	-27
Table 13: Logan Landfill FA Calculation March 2016	-27
Environmental Compliance	-28
Figure 1: Soil Vapor Extraction Work Plan	-29
Logan Landfill Projects & Improvements	-32
LLF Profit & Loss July1, 2015 – June 30, 2016	-34
LLF Balance Sheet July1, 2015 – June 30, 2016	-38
BCS Projects & Improvements	-41

BCS Profit & Loss July1, 2015 – June 30, 2016	-42
BCS Balance Sheet July1, 2015 – June 30, 2016	-45
Recycling & Waste Diversion	-47
Table 14: Recycling Budget & Actual Expenses for FY 2015 & FY 2016	-47
Table 15: District Recycle Revenue and Tonnages Comparison FY 2012-2016	-49
Graph 3: Five -Year Commodity Tonnage Comparison	-50
Graph 4: Five -Year Commodity Revenue Comparison	-50
Gallatin County Free Recycling Sites Location Map	-51
Recycling Educational Outreach	-52
Recycling Outreach Events	-53
E-Waste Collection & Processing	-55
Table 16: Acceptable E-Waste Items for Disposal	-55
ECS Refining E-Waste Processor Information	-56
Waste Diversion Program Profit & Loss July1, 2015 – June 30, 2016	-57
Waste Diversion Program Balance Sheet July1, 2015 – June 30, 2016	-60
Household Hazardous Waste (HHW) Collection	-62
Figure 3: Contingency Plan Flow Diagram (O&M Plan, Great West, OSHA for HHW)	-64
Financial Summary:	-65
Graph 5: Interest Earnings Comparison	-65
Table 17: Actual Tonnages Received Decreased & Increased Tonnages From Previous FY 2012-2016	-66
Gallatin Solid Waste Management District Long Range Strategic Plan	-67
Gallatin Solid Waste Management District Profit & Loss July 1, 2015 - June 30, 2016	-68
Gallatin Solid Waste Management District Balance Sheet July 1, 2015 – June 30, 2016	-73



What is a State-of-the-Art Sanitary Landfill ?

A landfill includes:

- ✚ Liner Systems
- ✚ Leachate Collection & Treatment Systems
- ✚ Cap Systems
- ✚ Gas Recovery System or Flaring Systems
- ✚ Landscaping
- ✚ Groundwater & Gas Monitoring Systems
- ✚ 30 years of Post Closure Monitoring & Planning for Future Community Use



A Letter From the District Manager

I am pleased to present the Fiscal Year 2016 Annual Report for the Gallatin Solid Waste Management District prepared by the Office Manager, Dawn Chretien and the Gallatin Solid Waste Management District staff. This year's annual report provides a summary of the past fiscal year and provides an analysis of the programs offered by the Gallatin Solid Waste Management District. This report covers the time period from July 1, 2015 to June 30, 2016.

During Fiscal Year 2016, the District continued to experience an increase in the waste disposed at both the Logan Landfill and the Bozeman Convenience Site. The Logan Landfill received and processed 132,084 tons of waste in fiscal year 2016. The District's waste diversion programs continue to increase in popularity and diverted a wide range of waste materials from the landfill. The District's Household Hazardous Waste program, e-waste, fluorescent bulb, clean wood, and composting programs continue to provide waste diversion options at the Logan Landfill and the Bozeman Convenience Site. Four Corners Recycling continues to provide hauling, site maintenance, and processing services for the District's recycling sites in Gallatin County. The recycling site for the Amsterdam and Churchill communities was relocated to the Manhattan Christian School to provide increased capacity and access. Unfortunately, the recycling sites for the Big Sky and Four Corners communities were removed due to new construction and development at the site locations. The District is working with the Big Sky community to identify and develop a new recycling site in Big Sky.

A major capital improvement for Fiscal Year 2016 was the expansion and construction of the compost and clean wood waste. The construction of the compost expansion area was completed by the landfill staff with 72,000 yards of soil excavated and hauled during the construction. The new expansion area will allow the District to provide long term composting and clean wood waste diversion opportunities at the Logan Landfill and the Bozeman Convenience Site. Great West Engineering, Inc. completed and submitted the Phase 4 cell design and technical documents to the DEQ for approval. The District implemented and completed phase II of the Soil Vapor Extraction pilot program with MTDEQ and Great West Engineering. The District purchased a new Bomag 772 landfill compactor for landfill operations and a Massey Fergusson 6615 tractor for compost operations. The District planted 311 acres of winter wheat in the fall of 2015 as part of the improvement and reclamation of the Logan Springs Ranch. The improvement of the Logan Springs Ranch is a key component for the proposed land exchange with the DNRC. An agreement to initiate and complete the land swap is currently under review by the DNRC and Gallatin County.

In the next year, landfill staff will continue to excavate soil from the Phase 4 cell in preparation for the construction and completion of the new landfill cell by the end of 2018. The District plans to develop and implement phase III of the Soil Vapor Extraction pilot program with MTDEQ and Great West Engineering. The District is budgeting for the purchase of a new landfill track loader and water truck for landfill operations at the Logan Landfill. The District will continue to implement the Logan Springs Ranch improvement project to facilitate final approval of the proposed land swap with the DNRC. The final approval of the land swap is critical for determining the future development and major facility expansion of the Logan Landfill and the Gallatin Solid Waste Management District.

The Gallatin Solid Waste Management District will continue to provide essential waste disposal services and offer alternate waste disposal options under our umbrella of solid waste management. The District's hardworking, dedicated, and versatile staff, with the input and oversight of the Solid Waste Board, continue to achieve lasting improvements while providing a variety of solid waste solutions for the residents of Gallatin County. With the current and projected growth of Gallatin County, the District will be instrumental in providing essential solid waste services and remain a valuable asset for Gallatin County.

Sincerely,

Jim Simon, District Manager
Gallatin Solid Waste Management District

Gallatin Solid Waste Management District

The Gallatin Solid Waste Management District was created by the Gallatin County Commissioners on May 20, 2003, by Resolution #2003-054.

Gallatin Solid Waste Management District

Mission Statement

The purpose of the Gallatin Solid Waste Management District is: to provide constituents with cost efficient solid waste services; to provide for the balanced consideration and representation of the diverse views and issues regarding solid waste management; to advocate for the health, safety and welfare of the residents; to manage the processing, reclaiming, storing, transporting, or disposing of waste in ways that protect the ecology of lands in the District; to identify goals, policies and procedures that will aid local jurisdictions in meeting solid waste reduction and recycling goals.

Gallatin Solid Waste Management District Board

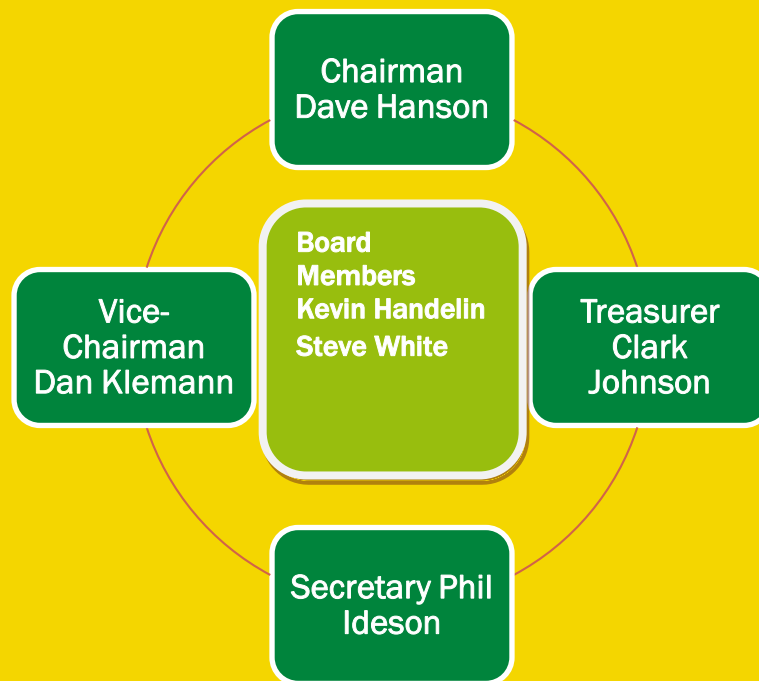
The Gallatin Solid Waste Management District Board consists of representatives from the Cities of Belgrade, Bozeman, Three Forks, and Manhattan. Two additional seats are occupied by Members-at-large, and the remaining seat is occupied by a County Commissioner.

The District operates as an enterprise fund. The values and operating principles are customer focus that is responsive, prompt, compassionate and provides quality service; Accountability for being responsible and cost effective in the use of public resources;

Teamwork that promotes creative cooperation; Communication that is open and honest with sharing of information and ideas and; Professionalism in everything we do by being innovative, qualified, honest, full of integrity, and personal excellence.

Board of Officers FY 2015-2016

The Board of Directors for Fiscal Year 2015 - 2016 are: Clark Johnson, City of Manhattan (resigned 5/16); R. Stephen White, Gallatin County Commissioner, Commission District #3; Dave Hanson, City of Three Forks; Dan Klemann, Member at Large; Phil Ideson Member at Large; Kevin Handelin, City of Bozeman. No Belgrade Representative from 4/1/2014 through 6/30/2016.



To each there comes in their lifetime a special moment when they are figuratively tapped on the shoulder and offered the chance to do a very special thing, unique to them and fitted to their talents.

- Winston S. Churchill



Table 1 3-Year Comparison of the Gallatin Solid Waste Management District Budget Final Approval to Actual Budget Expended for Fiscal Years 2014, 2015, 2016

Object of Expenditures	Final Budget Approved FY 2014	Actual Budget Expended FY 2014	Final Budget Approved FY 2015	Actual Budget Expended FY 2015	Final Budget Approved FY 2016	Actual Budget Expended FY 2016
Personnel	\$ 963,853	\$ 843,178	\$ 976,425	\$ 869,072	\$ 1,015,858	\$ 991,022
Operations	2,077,544	1,949,371	1,985,076	1,536,330	2,228,547	1,583,904
Debt Service	134,060	130,573	132,810	129,788	133,200	130,004
Capital Outlay	5,982,606	398,474	6,798,761	733,950	7,286,054	159,769
Transfers Out	-----	-----	-----	-----	-----	-----
Reserves	-----	-----	-----	-----	-----	-----
Total	<u>\$9,158,063</u>	<u>\$3,321,596</u>	<u>\$9,893,072</u>	<u>\$3,269,140</u>	<u>\$10,663,659</u>	<u>\$2,864,699</u>
Budget by Fund Group						
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Revenue Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Project Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Enterprise Funds	\$9,158,063	\$3,321,596	\$9,893,072	\$3,269,140	\$10,663,659	\$2,864,699
Internal Service Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Trust & Agency Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	<u>\$9,158,063</u>	<u>\$3,321,596</u>	<u>\$9,893,072</u>	<u>\$3,269,140</u>	<u>\$10,663,659</u>	<u>\$2,864,699</u>
Funding Sources						
Tax Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Non-Tax Revenues	\$828,500	\$729,668	\$3,864,367	\$3,818,562	3,859,831	3,898,429
Cash Reappropriated	\$8,329,563	\$2,591,928	\$6,028,705	(\$549,422)	6,803,828	(1,033,730)
Total	<u>\$9,158,063</u>	<u>\$3,321,596</u>	<u>\$9,893,072</u>	<u>\$3,269,140</u>	<u>\$10,663,659</u>	<u>\$2,864,699</u>

Gallatin Solid Waste Management District Administration

Daily operations of the Gallatin Solid Waste Management District are administered by professional staff, headquartered at the Logan Landfill

Gallatin Solid Waste Management District
10585 Two Dog Road
P.O. Box 461

Three Forks, Montana 59752
406.284.4029 or 406.582.2495
Fax: 406.582.2491

Website

www.gallatinsolidwaste.com

<https://gallatinsolidwaste.org>

<https://gallatinsolidwaste.org>



Find us on
Facebook



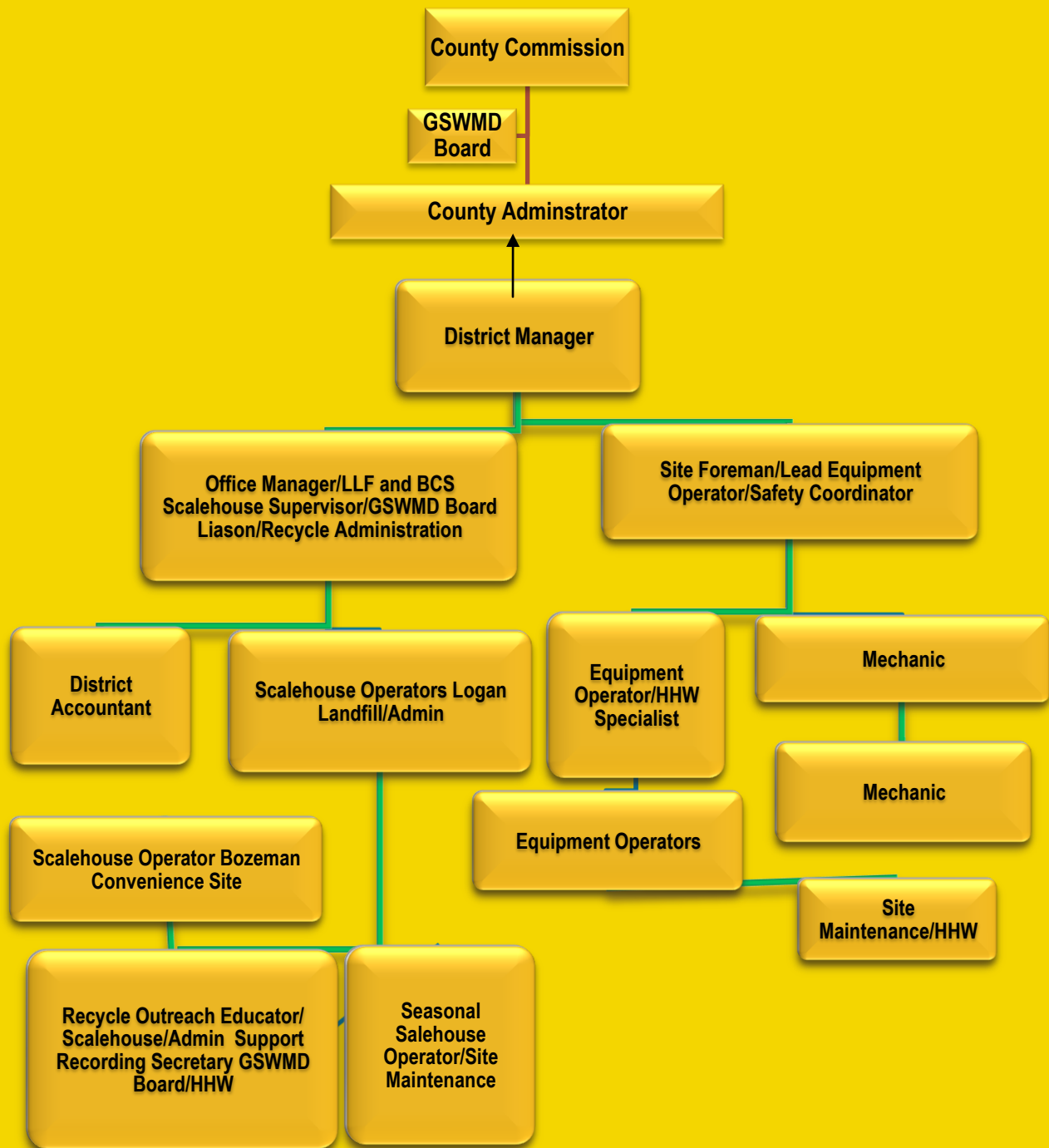
Gallatin Solid Waste Management District Operations

The District ended Fiscal Year 2015-2016 with a staff of 15 Full time regular employees and 1 Full time seasonal employee. The District Manager; Office Manager; Accountant; Recycle Outreach Educator; 1 Site Foreman/Lead Operator; 4 Equipment Operators; 2 Mechanics; 2 Scalehouse Attendants at the Logan Landfill; 1 Scalehouse Attendant at the Bozeman Convenience Site; 1 Site Maintenance position and; a seasonal Scalehouse/Operational Support position.



Gallatin Solid Waste Management District

Organizational Chart



Logan Landfill Operations

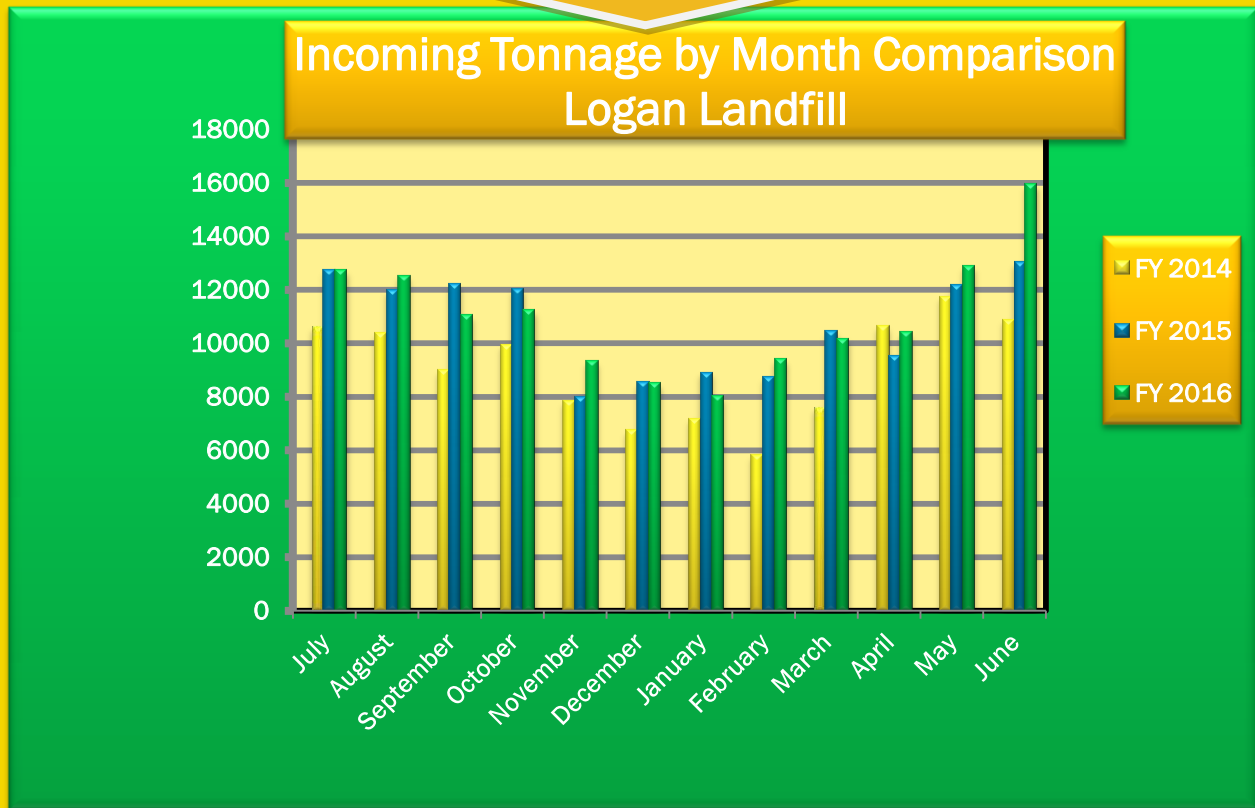
District Tonnages

Between July 1, 2015, and June 30, 2016, the total waste disposed of at the Logan Landfill was 132,084.37 tons. The nine primary components of the waste stream included approximately 85,393.29 tons (65%) of municipal solid waste, of which, 78,748.15 tons (60%) was disposed of by commercial carriers and 6,645.14 tons (5%) by the general public. Light construction waste disposed of totaled 10,539.64 (8%) tons, of which, commercial carriers disposed of approximately 9,246.01 tons (7%) and 1,293.63 tons (1%) by the general public. Heavy construction tonnage totaled 195.08 tons (<1%) of which, 170.05 tons (<1%) was from commercial carriers and 25.03 tons (<1%) from the general public. Class IV totaled 26,686.98 tons (20%) of which, 26,158.87 tons (20%) was disposed of by commercial carriers and 528.11 tons (<1%) by the general public. Compost collected totaled 6,587.01 tons (5%) of which, 6,436.99 tons (5%) was disposed of by commercial carriers and 150.02 tons (<1%) were by the general public. Clean wood disposed of totaled 2,120.52 tons (2%), of which 2,094.33 tons (2%) disposed of by commercial carriers and 26.19 (<1%) by the general public. E-waste disposed of totaled tons 86.76 tons (<1%), of which, 31.86 tons (<1%) disposed of by commercial carriers and 54.90 tons (<1%) by the general public. Other waste diversion totaled 1,170.87 tons (<1%). The remainder of the miscellaneous waste stream components disposed of totaled 33.73 tons (<1%) (Table 2: Tonnages & Components). This fiscal year tonnages were up 3,905.37 tons from the previous fiscal year of 128,179.00 tons. The landfill had a 7% waste diversion rate.

Table 2 July 1, 2015 – June 30, 2016

Primary Components	Total Tons	% Tons	Tons Commercial	% Tons	Tons Public	% Tons	Total % of Commercial & Public Tonnages
Municipal Solid Waste (MSW)	85,393.29	65%	78,748.15	60%	6,645.14	5%	100%
Light Construction	10,539.64	8%	9,246.01	7%	1,293.63	1%	100%
Heavy Construction	195.08	<1%	170.05	<1%	25.03	<1%	100%
Class IV	26,686.98	20%	26,158.87	20%	528.11	<1%	100%
Compost	6,587.01	5%	6,436.99	5%	150.02	<1%	100%
Clean Wood	2,120.52	2%	2,094.33	2%	26.19	<1%	100%
E-Waste	86.76	<1%	31.86	<1%	54.90	<1%	100%
Waste Diversion	115.78	<1%	115.78	<1%	-----	<1%	100%
Miscellaneous	359.31	<1%	359.31	<1%	-----	<1%	100%
							100%
Total	132,084.37	100%	123,361.35		8,723.02		100%

Graph 1

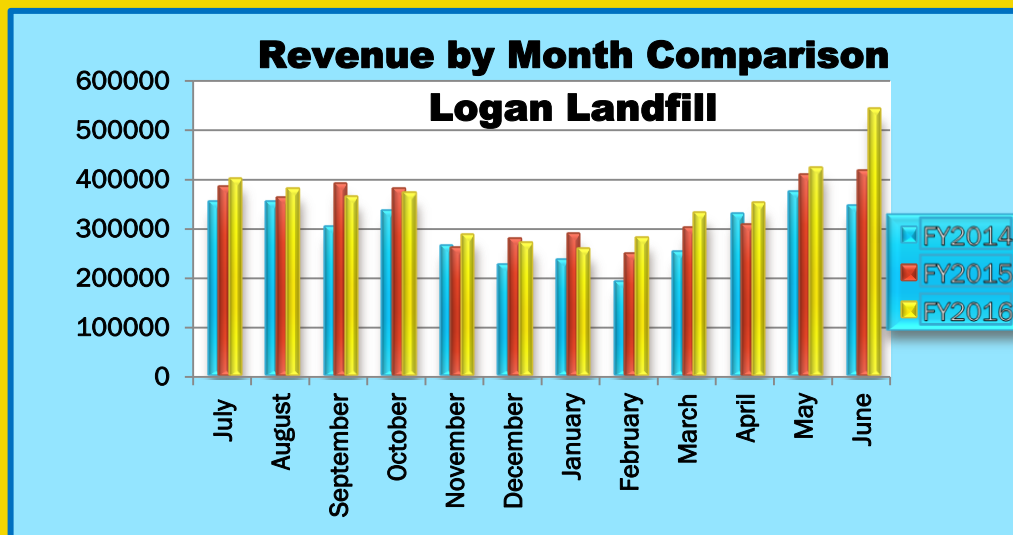


The Revenue from the tipping fees at the Logan Landfill between July 1, 2015, and June 30, 2016, was \$4,189,963.91. The nine primary components of the revenue collected included municipal solid waste totaling \$2,248,367.00 (54%) of which, \$2,062,344.00 (92%) came from commercial carriers and \$186,023.00 (8%) by the general public. Light construction totaled \$506,714.00 (12%) of the revenue collected, of which, \$443,969.00 (88%) came from commercial carriers and \$62,745.00(12%) came from the general public. Heavy construction totaled \$11,320.00 (<1%) of the revenue collected, of which, \$9,863.00 (87%) came from commercial carriers and \$1,457.00 (13%) by the general public. Class IV totaled \$1,301,672.00 (31%) of the revenue collected, of which, \$1,275,986.00 (98%) came from commercial carriers and \$25,686.00 (2%) by the general public. Compost earned \$55,719.00 (1%) of the revenue collected, of which, \$52,109.00 (94%) came from commercial carriers and \$3,610 (6%) by the general public. Clean wood totaled \$27,375.00 (1%) of the revenue collected, of which \$26,760.00 (98%) came from commercial carriers and \$615.00 (2%) by the general public. E-waste diverted totaled \$4,033.00 (<1%) of the revenue collected, of which \$1,436.00 (36%) came from commercial carriers and \$2,597 (64%) by the general public. Waste Diversion totaled \$29,136 (1%) of the revenue collected, of which \$26,311 (90%) came from commercial carriers and \$2,825 (10%) by the general public . The remainder of the revenue collected from miscellaneous fees totaled approximately \$5,627.91 (<1%) of the revenue collected, of which, **-\$1564.09** (98.72%) came from the commercial carriers and \$7,192 (1.28%) by the general public (Table 3: Revenue & Components). The revenue increased \$236,670.91 from the last fiscal year's revenue of \$3,953,293.00 to this fiscal year's revenue of \$4,189,963.91.

Table 3 Revenue & Components July 1, 2015 to June 30, 2016

Primary Components	Total Revenue	%	Revenue Commercial Customers	%	Revenue General Public	%	of Commercial & Public Revenue
Municipal Solid Waste (MSW)	\$2,248,367.00	54%	\$2,062,344.00	92%	\$186,023.00	8%	100%
Light Construction	\$506,714.00	12%	\$443,969.00	88%	\$62,745.00	100%	100%
Heavy Construction	\$11,320.00	<1%	\$9,863.00	87%	\$1,457.00	13%	100%
Class IV	\$1,301,672.00	31%	\$1,275,986.00	98%	\$25,686.00	2%	100%
Compost	\$55,719.00	1%	\$52,109.00	94%	\$3,610.00	6%	100%
Clean Wood	\$27,375.00	1%	\$26,760.00	98%	\$615.00	2%	100%
Miscellaneous	\$5,627.91	<1%	\$-1,564.09	98.72%	\$7,192.00	1.28%	100%
E-Waste	\$4,033.00	<1%	\$1,436.00	36%	\$2,597.00	64%	100%
Waste Diversion	\$29,136.00	1%	\$26,311.00	90%	\$2,825.00	10%	100%
Total	\$4,189,963.00	100%	\$3,897,213.91	93%	\$292,750.00	7%	

Graph 2



Performance at the Logan Landfill

On April 10, 2016, Great West Engineering conducted a GPS topographic survey to estimate the remaining life of the landfill and to evaluate the landfill performance.

Class II Waste Area Performance Evaluation (Phases 2 & 3)

Topographic information from the field survey on April 10, 2016, was used to generate a computer model and contour map of the landfill area. This model was then compared to previous topographic surveys to evaluate the landfill performance over the period. Table 4 shows the Phase 2 landfill performance calculated with GPS surveys over each period the Phase 2 cell was open and the total since Great West Engineering was involved in the landfill operation. Portions of the Phase 2 cell were closed in 2013 and did not receive any waste since December 2011. The Phase 2 cell has not been surveyed since December 2011. The Phase 2 Closure area was surveyed for the purposes of drawings for the record that were submitted to the Montana Department of Environmental Quality.

Table 5 shows the Phase 3 landfill performance and the overall average of that cell. For three time periods the Phase 3 cell did not receive any waste due primarily to the landfill staff continuing to fill the Phase 2 cell. Table 6 shows the overall landfill performance for Phases 2 and 3 and the overall landfill performance for Phases 2 and 3 combined.

The overall space utilization for the Phase 3 cell over the last period, as measured by the volume per ton ratio, was 1.53 CY/Ton. This was 6.3% less air space utilization than the last time period. The overall performance of the landfill is measured by the volume per ton ratio. The two components which directly impact the overall landfill performance are the compacted waste density and the waste-to-soil ratio.

The site achieved a compacted waste density of 1,664 pounds per cubic yard over the last period. The landfill staff are commended for their continued excellent compaction. The industry standard for compacted waste density at landfills which operate 826-equivalent compactors is 1,200 pound per cubic yard. The District staff is far exceeding that metric with the operation. This high compaction is due to dedicated and consistent application of compaction techniques in conjunction with quality equipment and operators. The District will continue with the compaction techniques it currently uses on the site.

The overall waste-to-soil ratio for the time period was 3.69:1. This is a 26.5% increase in soil usage over the previous period. However, this remains a high waste to soil ratio which demonstrates the effectiveness of the alternative daily cover. The District will continue to utilize the approved alternative daily cover as often as possible in lieu of soil.

In summary, the industry standard for landfills this size is a compacted waste density of 1,200 pound per cubic yard and a 3:1 waste to soil ratio which results in an overall volume per ton performance of 2.22 cubic yards per ton. The overall performance measured by GPS over this last period was 31% better than standard landfill performance metrics (6% better than last year). The landfill staff are commended for obtaining this outstanding waste density and overall landfill performance which ensures the landfill life is maintained, and in this case, actually extended via excellent performance criteria.



**Table 4
Logan Landfill Municipal Solid Waste Phase 2 Cell
Performance Analysis Summary**

	5/18/05 10/15/05	10/16/05 3/30/06	3/31/06 11/08/06	11/09/06 10/29/07	10/29/07 8/12/08	8/12/08 4/16/09
Total Fill Volume	41,836 CY	56,005 CY	123,015 CY	218,970 CY	57,555 CY	68,969 CY
Soil Volume	0	0	18,732 CY	38,500 CY	9,844 CY	17,789 CY
Waste to Soil Ratio	NA	NA	5.6:1	4.7:1	4.85:1	2.88:1
Tonnage Accepted	28,720 Tons	43,646 Tons	77,587 Tons	116,490 Tons	31,498 Tons	36,893 Tons
Compacted Waste Density	1,373 LB/CY	1,559 LB/CY	1,488 LB/CY	1,291 LB/CY	1,320 LB/CY	1,442 LB/CY
Volume Per Ton Ratio	1.46 CY/Ton	1.28 CY/Ton	1.59 CY/Ton	1.88 CY/Ton	1.83 CY/Ton	1.87 CY/Ton
	4/17/09 11/25/09	11/26/09 6/28/2010	6/28/2010 4/11/2011	4/12/2011 12/8/2011		Phase 2 Total
Total Fill Volume	67,018 CY	61,328 CY	81,190 CY	66,261 CY		842,147 CY
Soil Volume	14,634 CY	10,526 CY	15,014 CY	9,738 CY		134,777 CY
Waste to Soil Ratio	3.58:1	4.83:1	4.41:1	5.80:1		5.25:1
Tonnage Accepted	41,560 Tons	42,254 Tons	60,187 Tons	53,484 Tons		532,319 Tons
Compacted Waste Density	1,587 LB/CY	1,663 LB/CY	1,819 LB/CY	1,892 LB/CY		1,472 LB/CY
Volume Per Ton Ratio	1.61 CY/Ton	1.45 CY/Ton	1.35 CY/Ton	1.24 CY/Ton		1.58 CY/Ton



**Table 5
Logan Landfill Municipal Solid Waste Phase 3 Cell
Performance Analysis Summary**

	10/29/07 8/12/08	8/12/08 4/16/09	4/17/09 11/25/09	11/26/09 6/28/2010	6/28/10 4/11/11	4/12/11 12/8/11
Total Fill Volume	100,065 CY	43,687 CY	24,465 CY	0	0	0
Soil Volume	27,002 CY	14,484 CY	3,708 CY	0	0	0
Waste to Soil Ratio	2.71:1	2.02:1	5.6:1	NA	NA	NA
Tonnage Accepted	52,897 Tons	25,876 Tons	13,458 Tons	0 Tons	0 Tons	0 Tons
Compacted Waste Density	1,448 LB/CY	1,772 LB/CY	1,297 LB/CY	NA	NA	NA
Volume Per Ton Ratio	1.89 CY/Ton	1.69 CY/Ton	1.82 CY/Ton	NA	NA	NA
	12/9/11 10/10/12	10/11/12 3/20/14	3/21/14 3/5/15	3/5/15 4/10/16	Phase 3 Total	
Total Fill Volume	118,087 CY	181,494 CY	131,209 CY	158,173 CY	757,180 CY	
Soil Volume	23,759 CY	27,506 CY	21,786 CY	33,760 CY	152,005 CY	
Waste to Soil Ratio	3.97:1	5.60:1	5.02:1	3.69:1	3.98:1	
Tonnage Accepted	65,028 Tons	115,075 Tons	91,371 Tons	103,490 Tons	467,195 Tons	
Compacted Waste Density	1,379 LB/CY	1,495 LB/CY	1,670 LB/CY	1,664 LB/CY	1,544 LB/ CY	
Volume Per Ton Ratio	1.82 CY/Ton	1.58 CY/Ton	1.44 CY/Ton	1.53 LB/CY	1.62 CY/Ton	



Table 6
Logan Landfill
Municipal Solid Waste Phase 2 and 3 Cells
Performance Analysis Summary

	Phase 2 Total	Phase 3 Total to Date	Phases 2 and 3 Total to Date
Total Fill Volume	842,147 CY	757,180 CY	1,599,327 CY
Soil Volume	134,777 CY	152,005 CY	286,782 CY
Waste to Soil Ratio	5.25:1	3.98:1	4.58:1
Tonnage Accepted	532,319 Tons	467,195 Tons	999,514 Tons
Compacted Waste Density	1,472 LB/CY	1,544 LB/CY	1,523 LB/CY
Volume Per Ton Ratio	1.58 CY/Ton	1.62 CY/Ton	1.60 CY/Ton





Class IV Area Performance Evaluation

Great West Engineering, Inc. has also measured Class IV performance since the Class IV area opened. Class IV materials are much more difficult to obtain high compaction levels because of the nature of the waste. Industry standard metrics for Class IV landfills are 750 pounds per cubic yard compacted waste density and a waste-to-soil ratio of 6:1. This results in an overall volume per ton ratio of 3.1 cubic yards per ton. Table 7 shows that the landfill is exceeding industry metrics the last eight time periods with the Class IV operation.

Table 7 Logan Landfill Class IV Performance Analysis

Dates	4/17/2009 11/25/2009	11/26/2009 7/7/2010	7/7/2010 4/14/2011	4/14/2011 12/8/2011	12/8/2011 10/10/2012
Total Fill Volume	33,767 CY	20,768 CY	46,752 CY	51,699 CY	28,538 CY
Soil Volume	3,780 CY	2,285 CY	6,432 CY	6,977 CY	6,225 CY
Waste to Soil Ratio	7.93:1	8.09:1	6.27:1	6.40:1	3.58:1
Tonnage Accepted	14,557 Tons	9,175 Tons	29,381 Tons	27,577 Tons	14,622 Tons
Compacted Waste Density	970 LB/CY	993 LB/CY	1,457 LB/CY	1,233 LB/CY	1,310 LB/CY
Volume Per Ton Ratio	2.32 CY/T	2.26 CY/T	1.59 CY/T	1.87 CY/T	1.95 CY/T
Dates	10/10/2012 3/20/2014	3/21/2014 5/3/2015	3/5/2015- 4/10/2015	Total	
Total Fill Volume	69,737 CY	58,665 CY	65,472 CY	375,398 CY	
Soil Volume	13,739 CY	8,465 CY	13,940 CY	61,843 CY	
Waste to Soil Ratio	4:08:1	5.93:1	3.70:1	5.07:1	
Tonnage Accepted	25,957 Tons	21,787 Tons	27,197 Tons	170,253 Tons	
Compacted Waste Density	927 LB/CY	868 LB/CY	1,056 LB/CY	1,086 LB/CY	
Volume Per Ton Ratio	2.69 CY/Ton	2.69 CY/Ton	2.41 CY/Ton	2.21 CY/Ton	

Life Estimates

The performance data, tonnage and the Landfill Master Plan were used to estimate the remaining life of Phase 3 and the overall landfill. To estimate the remaining life of Phase 3, the first step the engineer did was to calculate the remaining air space in the phase. The computer generated land surface model from the April 10, 2016 survey was compared to the interim fill plan for Phase 3 to determine the remaining air space. The Master Plan showed the interim fill slopes for Phase 3 to be a 5:1 grade. The slopes, thus far, have been built at a 4:1 grade. To accommodate the change, Great West Engineering, Inc. in consultation with the District, changed the interim fill slope to a 4:1 grade. This did not impact the overall life of the facility, but did change the life expectancy of the Phase 3 cell. This meets the requirements of the seismic design demonstration.

In order to estimate the remaining life of Phase 3, the engineer needed to project the waste generation throughout the remaining life of this cell. Currently 120,000 Tons per year is the best estimate of the annual tonnage for projections on remaining site life.

The total air space includes the final cover for the portion of Phase 3 fill when it reaches the final proposed elevations, so that was subtracted out of the air space available for waste and daily intermediate soil cover. The overall performance of Phases 2 and 3 is the best estimate of how much daily and intermediate cover will be utilized at the site. However, it is critical the District continue to use alternative daily cover (ADC) to the extent possible in order to minimize the air space usage of the landfill. The engineer estimated that the landfill will be able to utilize soil long term at a 4:1 waste to soil ratio. The estimated daily and intermediate soil cover usage is then subtracted from the available air space to determine the volume available for waste.

The last variable to determine is the compacted waste density. The landfill averaged 1,664 LB/CY over the last period. The industry standard for compacted waste density for a landfill of this size with an 826 equivalent compactor is 1,200 LB/CY. However, it appears from the last ten periods that the District should be able to consistently achieve waste densities of 1,300 LB/CY and above. The landfill staff does an excellent job of placing the waste in thin lifts and compacting the waste with multiple equipment passes in both directions. For the basis of these life estimates, the engineer used a 1,350 LB/CY waste density. The landfill staff has proven that they can achieve this density consistently.

The life estimate analysis is summarized in Table 8. The estimates assume there will be no large “one-time” disposal projects. An example would be a large hail storm or earthquake generating a great deal of construction and demolition wastes. The capacity estimate also assumes that the District will not expand its service area during the remaining landfill life. If the District does expand its service area in the future, the life estimate would need to be updated. The ultimate life of the site will be highly dependent on the waste tonnage received at the site and the landfill performance. If the tonnage increases over this estimate or the landfill performance drops, the District will have less life than predicted.

In September 2010, an Addendum to the Landfill Master Plan was designed to include the Class IV Expansion. During this Master Plan update, a new life estimate was developed. Table 8 uses the updated Master Plan numbers to determine life projection estimates. The volumes used to develop Table 8 were calculated using CAD applications.

Based on the waste streams received this last time period, it was estimated that 79% of the waste stream went into the Phase 3 cell, and the other 21% of the waste was diverted into the Class IV area. On average, the Class IV area receives approximately 20% of the waste and the Class II areas (Phase 3) receive approximately 80% of the waste entering the landfill. Therefore, the Phase 3 life was estimated using 80% of 120,000 Tons per year and 20% of 120,000 Tons per year for the Class IV life estimates. The life of each area was calculated and is shown in Table 8. The life estimates for the waste accepted in Phase 3 shown in Table 8 are based on 96,000 Tons per year waste, with a 1,350 LB/CY compacted waste density, 4:1 soil-to-waste ratio and an overall volume per ton ratio of 1.85 CY/Ton. The life estimates for the waste accepted in the Class IV area shown in Table 8 are based on 24,000 Tons per year of waste, with a 1,000 LB/CY compacted waste density and 5.5:1 waste-to-soil ratio.

The life of Class IV cell is based on a rate of 24,000 tons/year for 3.7 years until it reaches capacity while the Phase 3 cell is accepting waste at 96,000 tons/year. Once the Class IV cell has reached full capacity, the Phase 3 cell will accept the full 120,000 tons/year for another 1.1 years.

Once the Phase 3 cell reaches full capacity after a total of 4.8 years, the Phase 4 cell will accept both waste streams at 120,000 tons/year. The Phase 4 cell will have a total life of 4.7 years. The total life of the landfill is 9.5 years (Phase 3 - 4.8 years + Phase 4 - 4.7 years).

As of April 10, 2016, Phase 3 has 981,732 CY of airspace remaining. The District has placed a total of 757,180 CY of fill in Phase 3 to date for a total capacity of 1,738,912 CY. To properly close Phase 3, 75,375 CY of cover will be needed, which results in an available airspace of 906,357 CY remaining for refuse and daily cover in the Phase 3 cell.

**Table 8
Logan Landfill (Gallatin County)
Life Projection Estimates (April 2016)**

Class IV Area (Based on 24,000 Tons per Year)	3.7 years
Phase 3 Life (Based on 96,000 Tons per Year)	4.8 years
Phase 4 Life (Base on 120,000 Tons per Year)	4.7 years
Total Life (Based on 115,000 Tons per Year)	9.5 years

Closure Work at the Logan Landfill



In March of 2016, Great West Engineering prepared updated information concerning the estimated closure and post-closure costs for the landfill. These costs were developed to determine what the District's financial assurance requirements with the Montana Department of Environmental Quality (MDEQ) will be for the upcoming year.

Three areas are covered: (1) Life of Site; (2) Closure Work; and (3) Landfill Post-Closure Costs. These are summarized below:



The remaining overall life of the landfill site is estimated on the following information:



The current Master Plan for the site dated December 2007 and the Addendum to the Landfill Master Plan-Class IV Expansion dated September 2010.



Current estimated annual tonnage of 123,000 Tons per year based on detailed tonnage records the District has maintained.



Estimated waste disposal efficiency of 1.85 CY/Ton based on 1,350 LB/CY waste density and 4:1 waste-to-soil ratio. The District has routinely exceeded these metrics on previous measurements taken at the site.

There are two very important items to note regarding the projections of facility life.



First, the landfill has routinely exceeded the design performance criteria for compaction and overall space utilization which effectively increases the life span of the facility. The difference is created by the high level of compaction efficiency the landfill has routinely achieved over the last several years.



Second, the annual tonnage projection is 123,000 tons/year based on the current tonnage being accepted at the site. Based on the above updated information, they estimated the overall site has 9.5 years of life remaining as March 7, 2016. The final life of the overall site will be affected by the actual waste quantities accepted at the landfill, the amount of waste diverted out of the landfill, and the waste disposal efficiency that is achieved.

Closure Work



The total Class II and Class IV landfill area was increased from 53 to 55 acres in the 2010 addendum to the Master Plan. The County closed approximately three acres of the landfill in 1996 and another seven acres in 2013. The remaining 45 acres of waste area will require closure over the remaining life of the site. The MDEQ has approved an alternative final cover design which relies on native soil materials for the cover system rather than synthetic materials. This alternative cover system will be used for the remainder of the closure projects at the landfill.

Closure

The final cover design is a four-foot thick soil cover system that includes the following section from bottom to top.

Closure

Final contouring the site making sure that all areas are properly sloped, graded and intermediate covered per the final contour plan.

Closure

Installation of twelve inches of native sand material.

Closure

Twenty-four inches of select fine-grained native silt soil material placed as the evapotranspiration layer for the cover. This material will be selectively excavated and pushed into place with low ground pressure equipment, likely D-7 dozers or smaller.

Closure

Twelve inches of native sand material of which the top six inches will be topsoil material amended with compost or other fertilizer.

Closure

Vegetating the site with a seed/fertilizer mixture as outlined in the closure plan. It is assumed that the seed mixture will be tilled in using a tractor and an end wheel press drill or another acceptable seeder. In areas which are too steep for drill seeding, hydroseeding techniques will be used.

The total estimated cost per acre for installing the final cover system is shown in Table 9.



**Table 9
Logan Landfill
Estimated Closure Costs Per Acre
Alternative Final Cover System
Updated March 2016**

Activity	Quantity	Unit	Cost/Unit	Cost
Mobilization/Bonding/Insurance	1	LS	\$3,000.00	\$3,000.00
Subgrade Preparation	800	CY	\$4.00	\$3,200.00
12" Capillary Sand Layer	1,600	CY	\$3.00	\$4,800.00
24" ET Silt Layer	3,200	CY	\$4.00	\$12,800.00
12" Sand Erosion & Topsoil Layer	1,600	CY	\$3.00	\$4,800.00
Drainage Controls	1	LS	\$3,000.00	\$3,000.00
Seed, Fertilizer, Mulch	1	AC	\$2,000.00	\$2,000.00
Gas Venting System	1	AC	\$5,000.00	\$5,000.00
Survey/Certification	1	AC	\$2,000.00	\$2,000.00
Engineering/QA/Inspection	1	LS	\$8,000.00	\$8,000.00
Closure Cost Per Acre				\$48,600.00



FINANCIAL ASSURANCE APPROACHES

The Montana financial assurance regulations require that the landfill financially assure for the largest planned open area during the life of the landfill. Currently the landfill has 21.5 acres of open landfill area. Under the current master plan this is also the largest open area during the life of the landfill.

The MDEQ allows two basic approaches for financial assurance. One approach is to financially assure for the largest open area during the landfill life. Under this approach, the financial assurance timeline is based on

when those funds would be needed for an emergency closure. The other acceptable approach is to financially assure for the entire landfill area. Under this approach, the financial assurance timeline is the overall life of the site. This report provides cost estimates for both approaches so the County can elect the mechanism which best fits the District's landfill.

CLOSURE COSTS & FINANCIAL ASSURANCE BASED ON LARGEST OPEN AREA

In this approach, the financial assurance is based on the largest area open during the life of the site. Under the updated Master Plan, the currently open area of 21.5 acres is the largest area planned to be open during the life of the site. The estimated closure costs of this portion of the site are depicted in Table 11. The estimated closure cost is \$1,149,400.

Table 10 Logan Landfill Estimated Closure Costs - Closure of Entire Remainder of Site Updated March 2016				
Activity	Quantity	Unit	Cost/Unit	Cost
Alternative Final Cover System	45	AC	\$48,600	\$2,187,000
10% Contingency				\$218,700
Closure for the Entire Site	45	AC		\$2,405,700

CLOSURE COSTS & FINANCIAL ASSURANCE BASED ON OVERALL SITE

Under this approach the financial assurance can be built over the life of the site. With each closure project the amount of the financial assurance requirement decreases. The annual financial assurance updates reflect these changes and the County can adjust the financial assurance amount over time. The total remaining landfill to be closed consists of approximately 45 acres.

The MDEQ requires that the financial assurance cost estimates be based on all of the work being conducted by a private contractor rather than the County or District. Therefore, it is assumed that plans, specifications and bid documents will be prepared and the project will be bid out. It is also assumed that the engineer will provide staking, compaction testing, quality assurance testing, interim and final inspections, certifications and as-built drawings. A boundary survey needs to be completed and the deed needs to be filed at the courthouse. The estimated closure costs of the overall landfill site are depicted in Table 10. The total estimated closure cost is \$2,405,700.



**Table 11 Logan Landfill
Estimated Closure Costs - Closure of Largest Open Area
Updated March 2016**

Activity	Quantity	Unit	Cost/Unit	Cost
Alternative Final Cover System	21.5	AC	\$48,600	\$1,044,900
10% Contingency				\$104,500
Cost to Close Maximum Area	21.5	AC		\$1,149,400

For the purposes of the financial assurance under this scenario, the County needs to examine what has already been placed in the financial assurance account versus what is needed to meet the State's requirements.

POST-CLOSURE COSTS

In regard to the post-closure costs, the regulations require each landfill owner to monitor for methane, monitor the groundwater, have an independent Professional Engineer conduct an annual inspection, update the closure and post-closure costs annually, and maintain the cap and drainage structures for settlement, erosion, cracking or any other situation that may jeopardize the integrity of the cap or drainage controls.

The estimated costs for these items for the 30-year post-closure period are summarized in Table 12. To calculate these costs, the following assumptions were used:



The annual costs for groundwater and methane monitoring are based on the current annual monitoring costs. Groundwater monitoring costs have increased significantly with the addition of new monitoring points associated with the corrective measures assessment. Also, the proposed expansion of license boundary to accommodate the composting area will add monitoring and testing costs. It is estimated that monitoring will cost approximately \$28,000 per year during the post-closure period.



The leachate collection will require periodic inspections, periodic pumping and minor maintenance. This is estimated to cost approximately \$1,500 per year.



Once annually, an independent third party Professional Engineer will inspect the site for any non-compliance or maintenance issues including the integrity of the cap, drainage, fencing, etc. The Engineer will correspondingly write a report summarizing his/her findings and recommendations. The Engineer will also prepare an updated cost estimate indicating the cost to close the site along with the cost for the 30-year post-closure monitoring, etc. These costs will correspondingly be sent to the appropriate officials. The estimate assumes 20 hours of labor at \$95 per hour and miscellaneous word processing and expenses.



It is necessary for the Owner of the facility to maintain the integrity of the cap and drainage controls. It is difficult to estimate what the annual cost to conduct this work might be several years from now. For this estimate it was assumed that once per year a contractor will provide 16 hours of equipment time to haul in and blade soil in the settled areas at \$500 per hour and revegetate areas for \$500.



The EPA has passed new regulations requiring annual reporting of greenhouse gas emissions. This process is currently costing the District approximately \$1,000 per year for the professional services to report the annual emissions

**Table 12
Logan Landfill
Post-Closure Care Cost Estimate**

Item	Annual Cost	Total 30 Year Cost
Groundwater & Methane Monitoring	\$28,000	\$840,000
Leachate Collection System Operation & Maintenance	\$1,500	\$45,000
Annual Engineering Inspection	\$2,000	\$60,000
Periodic Cap and Stormwater Maintenance	\$8,500	\$255,000
Annual Greenhouse Gas Reporting	\$1,000	\$30,000
Total	\$41,000	\$1,230,000

Financial



FINANCIAL ASSURANCE UPDATE BASED ON OVERALL SITE LIFE APPROACH

Six years ago the District elected to utilize the overall site life approach to determine the financial assurance obligation. Tim Stepp of the MDEQ agrees with the approach in correspondence. We understand that the balance in the closure/post-closure reserve is current as of February 2016. Table 13 calculates the cost per ton to meet financial assurance requirements under the overall site method.

Overall Site Closure Costs	\$2,405,700
Post Closure Costs	\$1,230,000
Total Obligation	\$3,635,700
Closure/Post Closure Reserve (February 2016)	\$-2,129,300
Amount to Finance Over Remaining Site Life	\$1,506,400
Total Remaining Tonnage	1,177,000 Tons
Cost Per Ton to meet Closure Post Closure Financial Assurance Requirements Under Overall Site Method	\$1.28 Per Ton



Groundwater monitoring is conducted semiannually in July and October and results are reported according to the rules established since 1990 at the Logan Landfill. There are currently 15 monitoring wells, including two shop wells, a scale/administration building well, which is utilized for the site water supply, and three new wells were installed for the Soil Vapor Extraction Pilot Study. Additionally, samples are collected from a spring located north of Interstate 90 once a year, and three residents' wells. Water levels from an unused monitoring well located on the east side of the landfill are measured during every sampling event.

All downgradient wells, LMW-2, LMW-3, LMW-4, LMW-5 and the Old Shop Well have shown various levels of VOC's over time. In 2006, due to a statistical exceedance of the MCL for tetrachloroethene in LMW-4 the landfill has been in a five-year Corrective Measures Plan (CMP) with MDEQ. The pilot program tested the effectiveness of remediation product to address groundwater contamination at the site. The product was injected directly into the groundwater approximately 6 years ago and the District has been monitoring wells downgradient of the injection site since that time. The CMP approved by MDEQ requires the County reevaluate the effectiveness of the remediation product at the end of the five-year period and develop a full scale plan for remediation of the site. In 2012, in the evaluation, the product used was successful in reducing the PCE (Perchloroethylene) concentration, but there was concern in the inconsistency in groundwater data collected during the five-year program that questioned the source of the PCE. A soil gas field investigation and assessment was approved by MDEQ and conducted. It was suspected the PCE or other VOC's occur in soil gas in the vicinity of the apparent source area of the groundwater plume. On February 10, 2014, on behalf of the District, Bruce Siegmund, Senior Hydrologist, Great West Engineering, Inc. submitted a Work Plan to MDEQ for a two-stage pilot program using a soil vapor extraction (SVE) system. On March 12, 2014, the District received a letter from John Collins, Environmental Science Specialist, Solid Waste program, MDEQ, approving the first phase of the SVE Work Plan as proposed.



On September 15, 2014, Red Tiger Drilling and Great West Engineering started the SVE drilling project. In October, Red Tiger Drilling completed the installation of the three wells for the SVE Pilot Study. Great West Engineering and Olympus conducted tests on the wells on October 10, 2014.

In April 2015, the Pilot Study Report for the second phase of the Soil Vapor Extraction (SVE) System was sent to MDEQ. It was done to determine the viability of the use of SVE as a corrective measure for Logan Landfill Class II. On June 4, 2015, John Collins, MDEQ Hydrogeologist, indicated that the pilot study was successful in the second phase using a larger blower. The larger blower appeared to have had the desired effect on the three vapor extraction wells. On June 18, 2015, Great West submitted a Work Plan for the next phase of pilot testing. On October 26, 2015, Bruce Siegmund, Senior Hydrologist, Great West Engineering, submitted a Work Plan for additional testing for Phase II.

Figure 1 Soil Vapor Extraction Work Plan PH 2

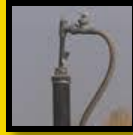


**Olympus Technical Services, Inc. SVE System Layout
Logan Landfill**

Office 406.449.8627
Fax 406.449.8631

PO Box 4817
2501 Belt View Drive
Helena, MT 59604

www.greatwesteng.com



The Logan Landfill's current Methane Monitoring plan follows the requirements for methane monitoring at municipal solid waste facilities in the State of Montana under ARM 17.50.511 1 (f) and (g). The methane monitoring is conducted quarterly. The points of monitoring include seven methane monitoring wells, eight passive vents, and five structures. The monitoring testing results are reported to MDEQ. This reporting period, all monitoring results were within regulatory limits and are consistent with previous reports submitted.



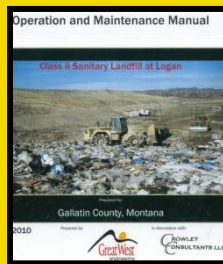
The semi-annual Groundwater Monitoring reports were submitted to MDEQ July (2015) and October(2015). They met the requirements of the Administrative Rules of Montana Title 17, Chapter 50, Subchapter 13.



In August 2015, the landfill submitted a 602 Form to the Department of Natural Resources (DNRC) for a water rights certificate for the Logan Springs. On June 10, 2016, a Certificate of Water Right was received from the DNRC.



In March of 2016, Bruce Siegmund, Senior Hydrologist for Great West Engineering, Inc., the District's agent of record, submitted the Annual Greenhouse Gas (GHG) report required by the EPA for reporting year 2016 to the Environmental Protection Agency (EPA). The report was electronically sent, received, and certified.



In July of 2015, Stephanie Beckert, Great West Engineering P.E., submitted an amendment to MDEQ for our Operations and Maintenance Manual for the District's Leachate Management Plan, due to the addition of our wash bay at the landfill's shop. On October 5, 2015, MDEQ approved the amendment.

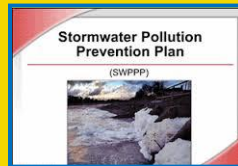


On March 13, 2016, the District submitted to MDEQ the application for the annual license renewal for FY 2015-2016 for the Logan Landfill's permit #158. It was renewed. It covered the period of July 1, 2016 to June 30, 2017.



On February 22, 2016, the District completed the landfill's Biosolids Annual Report for permit #MTG650008 for the EPA for reporting year 2015. The regulations and rules changed. The documentation is kept in the landfill's permanent records for inspections. The permit expires September 30, 2017.

In April of 2014, the District submitted an application to MDEQ for a Gallatin County Logan Landfill Class II License Expansion. The application fee submitted was \$12,000. In December, MDEQ, finished the review of the application for expansion. In February 2015, MDEQ finalized the Preliminary Environmental Assessment (EA). MDEQ held a public comment period on the EA. The license expansion was approved by MDEQ and the local Gallatin County Environmental Health Department, Permit #158 on September 15, 2015.



On January 5, 2016, we submitted the landfill's 2015 Annual Compliance Evaluation Report for the storm water discharges associated with industrial activity Permit MTR00358 to MDEQ.

The District submitted Discharge Monitoring Reports for monitoring periods 6/1/2015-9/30/2015;10/1/15-12/31/15;1/1/16-4/30/16;5/1/16-8/30/16

Inspections ✓



In July of 2015, the Montana Department of Labor and Industry, State Weights and Measures Division certified Logan Landfill and the Bozeman Convenience Site scales.

On August 5, 2015, MDEQ inspected the landfill for compliance with the landfill's Storm Water Pollution Plan. The landfill is permitted: Permit Authorization MTR000358 under the Montana Pollutant Discharge Elimination System

(MPDES) General Permit for Storm Water Discharges Associated with Industrial Activity (General Permit). It expires January 31, 2018.

The Logan Landfill is subject to site inspections by MDEQ. On February 4, 2016, and April 27, 2016, the landfill was inspected by MDEQ for compliance. No issues or violations were noted on either report.

The Logan Landfill and the Bozeman Convenience Site are subject to annual inspections and service of its fire extinguishing systems.



On August 6, 2015, Safety Coordinator for First West Insurance and our new liability insurance carrier, State Fund and their Safety Consultant, inspected the landfill for insurance compliance. On October 21st One Beacon insurance carrier toured the landfill. The agent provided good feedback on landfill operations.

Logan Landfill Projects & Improvements



In July 2015, and throughout the rest of the fiscal year, the operators continued to excavate silt and clay from Cell 4 for future closure and removed top soil and excavated cover soil from the compost expansion area. In FY 2016, the Landfill operations excavated and hauled a total of 55,352 yards of soil from Cell 4. Approximately 93,000 cubic yards of soil will need to be excavated over the next two years.

On July 1, 2015, M.E.T. controls programmed a new duplex pump controller for the leachate pumping system in Cell 3. The existing pump controller program corrupted and did not function per system specifications.

On July 10, 2015, W.E. Dust Control applied Mag Chloride on site for dust control.

In July 2015, the landfill received a revised Class IV Fill Plan.

On September 10, 2015, Bailey Paving sealed the asphalt apron of the e-waste recycling area.

On September 15, 2015, we purchased and received new waste oil and antifreeze tanks as per approved budget for waste diversion.

On September 15, 2015, we received the license expansion for the compost area from MDEQ.

On September 23, 2015, we had a Customer Appreciation Lunch and a Gallatin Solid Waste Management District Board Appreciation Dinner.

In October 2015, we advertised for a Competitive Sealed Proposal (CSP) for a new landfill compactor with a trade-in. In December of 2015, the County Commission awarded the bid to Titan Machinery for a new Bomag landfill compactor for \$520,000.00 with trade-in of the District's 2007 Caterpillar 826H Landfill Compactor for \$150,000.00. Total price paid was \$370,000.00. The machine arrived on site on May 26, 2016.

In October 2015, D&F Farms completed seeding the 311 acres of winter wheat on the Logan Springs Ranch per the reclamation plan related to the pending land swap.

On January 11, 2016, the DNRC reported they were in the process of developing an agreement to initiate the land exchange. On February 18, 2016, a copy of the DNRC draft agreement was provided to the County Attorney for review for the initiation of the land exchange.

On April 7, 2016 D&F Farms sprayed the 311 acres of winter wheat on the Logan Springs Property per the reclamation plan for the pending land swap.

On April 11, 2016 met with Great West Engineers on the final design and leachate collection system for Phase 4 cell expansion.

On May 11th through May 13th KM Construction repaired the asphalt at the front entrance to the landfill.

Landfill Operators continued to remove top soil and excavate cover soil from the compost expansion area. Since September of 2015, 71,120 yards of soil have been excavated and moved for the project. They completed the composting pads, run off control ditches, installing culverts and placing gravel on the compost access roads and pads. The compost expansion construction was completed and opened to the public on June 6, 2016.

On June 10, 2016, the District received the certificate of water right for the Logan Spring.

The harvest of the Logan Springs property this Fiscal Year yielded approximately 803,060 pounds of Hard Red Winter Wheat. We received \$56,023.05 for Logan Spring's second harvest in FY 2016-2017.



Throughout many years, the County/District has worked towards a proposed land exchange with the Department of Natural Resources and Conservation (DNRC). This fiscal year many meetings were attended by Jim Simon, GSWM District Manager, Steve White, Gallatin County Commissioner, and Chris Gray, Gallatin County Attorney. They met with Craig Campbell with the DNRC who assisted in helping the District prepare a pre-application to the State Land Board. On October 21, 2013, the County Commission was presented the preliminary application for review. They agreed to send in the application with the \$100 processing fee. On May 6, 2014, the application was sent to the DNRC. In June, 2014, the preliminary application submitted to the DNRC was being reviewed by the State. In August 2014, the Bozeman DNRC and the District worked on developing an assessment of the properties to work on preparing information for public comment and review. On December 15, 2014, at their regular meeting of the Board of Land Commissioners, the Land Exchange Preliminary application was presented. After receiving no public comment during a 30-day period, the Montana Land Board voted unanimously to give preliminary approval of the County-State land swap for the Logan Landfill to the benefit of both governments. In February 2016, a draft document was presented to Gallatin County by the DNRC to

initiate the land exchange between Gallatin County and State Lands (DNRC). We continue to hope the land exchange will continue to move forward in the next fiscal year.

We continue to lease out the Logan Springs property for grazing on an annual basis due to the pending land exchange.

On March 1, 2016, the District paid \$19,168 to the DNRC to renew Land Lease #8542. It was an amendment to reissue #3 for one year. It will expire February 28, 2017. We renew annually due to the pending land exchange.

**Looking out from the Logan Landfill
Operations at the Logan Springs Ranch
Property**



***Logan Landfill Profit & Loss
July 2015 through June 2016***

Logan Landfill	Jul '15 – Jun'16
Ordinary Income/Expense	
Income	
Gain (Loss) on Equip Trade In	117,130.01
Charges for Services-Logan	
3430-42 · Disposal Charge	4,073,416.19

3430-45 · Sale of Junk or Salvage	224.00
Total Charges for Services-Logan	4,073,640.19
Grazing Lease	2,400.00
3710-10 · Interest Earnings	94,853.67
Total Income	4,288,023.87
Gross Profit	4,288,023.87
Expense	
720 · Donation of Tipping Fees	3,470.00
Tax Assessments	
540 · Tax Assessments	6.60
Total Tax Assessments	6.60
Personnel	
110 · Salaries & Wages- Permanent	556,078.58
112 · Salaries & Wages- Temporary	26,542.17
120 · Overtime- Permanent	52,320.27
140 · Employer Contributions	217,761.07
141 · W.C. Employer Contributions	24,424.93
Total Personnel	877,127.02
Supplies	
210 · Office Supplies	4,498.92
220 · Operating Supplies	59,158.14
224 · Food	882.39
226 · Clothing & Uniforms	2,729.42
Total Supplies	67,268.87
Fuel	
231 · Gas, Oil, Fuel, Grease	99,299.82
Total Fuel	99,299.82
Maintenance	
230 · Repairs & Maintenance Supplies	85,378.24
232 · Tires	2,379.87
360 · General Repair & Maint by Other	37,714.45
361 · Equipment Repairs & Maint	22,763.75
362 · Office Equip Repair & Maint	5,501.68
Total Maintenance	153,737.99
Small Tools	
235 · Small Tools	4,974.56
240 · Consummable Tools	1,034.99

Total Small Tools	6,009.55
Postage	
312 · Postage	1,985.62
Total Postage	1,985.62
Printing & Duplicating	
320 · Printing & Duplicating	2,594.05
Total Printing & Duplicating	2,594.05
Advertising	
331 · Publications Legal Notices	194.00
337 · Advertising	1,782.20
Total Advertising	1,976.20
Dues & Subscriptions	
335 · Membership Dues	774.00
Total Dues & Subscriptions	774.00
Utilities	
341 · Electric Utilities	9,665.95
344 · Propane	5,256.97
345 · Telephone	20,129.82
346 · Cell phones	2,331.75
Total Utilities	37,384.49
Outside Services	
350 · Professional Services	63,739.95
351 · Medical Services, Vet Services	457.00
Total Outside Services	64,196.95
Travel	
370 · Travel	986.43
Total Travel	986.43
Training	
380 · Training	1,441.67
Total Training	1,441.67
Insurance	
510 · Property Insurance	18,047.04
513 · Liability Insurance Allocated	21,351.07
Total Insurance	39,398.11
Licenses	

570 - License Fees	44,011.66
Total Licenses	44,011.66
Rent	
530 - Rent	37,003.85
Total Rent	37,003.85
Service Charges	
630 - Service Charges	2.85
Total Service Charges	2.85
Administrative Fixed Costs	
590 - Administrative Costs	46,000.00
Total Administrative Fixed Costs	46,000.00
Closure/Post Closure	
580 - Closure/Post Closure Costs	158,220.67
Total Closure/Post Closure	158,220.67
Loan Interest Payments	
620 - Loan Interest	5,003.75
Total Loan Interest Payments	5,003.75
Depreciation	
830 - Depreciation	236,009.31
Total Depreciation	236,009.31
Total Expense	1,883,909.46
Net Ordinary Income	2,404,114.41
Other Income/Expense	
Other Expense	
Loan Payments	
610 - Principal	125,000.00
615 - Principal Contra	-125,000.00
Total Loan Payments	0.00
Reserve Funds	
905 - Equipment/Next Cell Reserves	1,620,000.00
955 - EQUIP/NEXT CELL RESERVE CONTRA	-1,620,000.00
Total Reserve Funds	0.00
Capital Improvements	
920 - Buildings	13,890.90

925 - Buildings Contra	-13,890.90
930 - Improv Other than Buildings	134,919.11
935 - Improvements Contra	-134,919.11
940 - Capital Exp- Machinery & Equip	466,557.61
945 - Machinery & Equip Contra	-466,557.61
Total Capital Improvements	0.00
Total Other Expense	0.00
Net Other Income	0.00
Net Income	2,404,114.41



Logan Landfill Balance Sheet as of June 30, 2016

Logan Landfill		Jun 30, 16
ASSETS		
Current Assets		
Checking/Savings		
Cash Operational Combined		
10-1000 - Cash Operational		5,303,320.71
Total Cash Operational Combined		5,303,320.71
10-2000 - Restricted Cash - Closure Costs		2,204,378.44
10-2110 - Cash - Fixed Asset Purchases		1,839,576.60
10-2130 - Cash Res for Security Deposit		90,000.00
10-2210 - Loan Payment Reserve		62,500.01
10-2220 - Loan Reserve (Future Year Pmt)		125,000.00

10-2230 · Reserve For Future Expansion	3,250,000.00
Total Checking/Savings	12,874,775.76
Accounts Receivable	
Accounts Receivable	
12-2000 · Logan Landfill	663,924.39
Total Accounts Receivable	663,924.39
Total Accounts Receivable	663,924.39
Other Current Assets	
12-8000 · Accrued Int Receivable	16,415.96
Total Other Current Assets	16,415.96
Total Current Assets	13,555,116.11
Fixed Assets	
13-3000 · Loan Receivable - Law & Justice	1,000,000.00
Fixed Sssets	
18-6050 · Continuing Property Under \$5000	115,997.68
18-1000 · Land	1,650,785.00
18-2000 · Buildings	1,776,013.52
18-2100 · Allow for Depr- buildings	-315,426.47
18-3000 · Intangibles	6,965.00
18-3100 · Amortization	-6,965.00
18-4000 · Improv Other Than Buildings	2,964,959.69
18-4100 · Allow for Depr- Imp Other Than	-2,626,075.69
18-6000 · Machinery & Equipment	3,479,332.72
18-6100 · Allow for Depr - Mach & Equip	-1,274,961.18
18-8010 · CIP - Cell 4 Expansion	68,029.10
18-8015 · CIP - Compost Expansion	92,818.30
18-8020 · CIP - Logan Springs	101,594.19
18-8025 · CIP - Soil Vapor Extraction	52,364.12
18-8030 · CIP - Spring Rehab	13,271.78
18-3035 · CIP - License Expansion	6,991.50
18-8500 · Class 4 Waste Area	35,433.23
Total Fixed Assets	6,141,127.49
Total Fixed Assets	7,141,127.49
TOTAL ASSETS	20,696,243.60
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	

Other Current Liabilities	
20-6120 · Wages Payable	13,998.59
20-6130 · Payroll Liabilities	18,157.26
20-6135 · W.C. Payroll Liability Payable	2,656.04
20-9100 · Compensated Absences Payable	6,189.80
21-4000 · Security Deposits Payable	90,000.00
Current Portion-Long Term Debt	125,000.00
Total Other Current Liabilities	256,001.69
Total Current Liabilities	256,001.69
Long Term Liabilities	
23-5406 · Land Loan - Board of Investment	562,500.00
Current Portion	-125,000.00
23-6000 · Closure Cost Liability	2,121,697.39
23-9000 · Compensated Absences - Non-Curr	55,821.87
23-9500 · GASB 45 OPEB Net Obligation	59,356.53
Total Long Term Liabilities	2,674,375.79
Total Liabilities	2,930,377.48
Equity	
3000 · Net Assets	1,046,820.07
3900 · Total net Assets	14,314,931.64
Net Income	2,404,114.41
Total Equity	17,765,866.12
TOTAL LIABILITIES & EQUITY	20,696,243.60





Bozeman Convenience Site Projects and Improvements



In July 2015, Marks Lumber hauled 289.91 tons of woodchips from the BCS to the Logan Landfill for reuse at the biosolids composting area.



In July 2015, Brian Ritts, Gallatin Scales, was called in to look at the scales that would not zero out. After his investigation he found the scale settled and is sinking because it was sited on garbage from the old City landfill. He will have to find a time to repair the sag when the site is closed. Not fixed this past fiscal year.



In July 2015, reflective tape and flags were added to the scale to keep customers from driving off the rails and puncturing their tires.



In July 2015, the gate to the City landfill had problems with opening and closing with the remotes. The problem was fixed with a new control box.



In October 2015, a new printer was purchased to replace the old printer that quit performing.



In June 2016, the State of Montana Weights and Measures Division certified the BCS scale.



December 9, 2015, a new 500 gallon antifreeze storage tank was installed.



Bozeman Convenience Site Profit and Loss July 2015 through June 2016

Bozeman Convenience Site		Jul '15 - Jun 16
Ordinary Income/Expense		
Income		
Charges for Services-Bozeman		
Disposal Charge		184,219.25
Sale of Junk or Salvage		72.00
Total Charges for Services-Bozeman		184,291.25
Total Income		184,291.25
Cost of Goods Sold		
80% Compost Due to City		18,386.40
Transport from Bzn Conv Site		

Rolloff Containers	111,957.00
Stationary Compactor Containers	6,231.00
Total Transport from Bzn Conv Site	118,188.00
Total COGS	136,574.40
Gross Profit	47,716.85
Expense	
Personnel	
110 - Salaries & Wages- Permanent	27,724.40
140 - Employer Contributions	14,056.48
141 - W.C. Employer Contributions	362.80
Total Personnel	42,143.68
Supplies	
220 - Operating Supplies	125.73
Total Supplies	125.73
Maintenance	
230 - Repairs & Maintenance Supplies	134.76
360 - General Repair & Maint by Other	170.00
362 - Office Equip Repair & Maint	1,431.06
Total Maintenance	1,735.82
Small Tools	
235 - Small Tools	414.00
Total Small Tools	414.00
Utilities	
341 - Electric Utilities	1,839.01
345 - Telephone	2,940.00
Total Utilities	4,779.01
Outside Services	
350 - Professional Services	16,760.77
Total Outside Services	16,760.77
Insurance	
513 - Liability Insurance Allocated	1,060.00
Total Insurance	1,060.00
Licenses	
570 - License Fees	280.00
Total Licenses	280.00

Administrative Fixed Costs	
590 - Administrative Costs	7,414.39
Total Administrative Fixed Costs	7,414.39
Depreciation	
830 - Depreciation	8,391.33
Total Depreciation	8,391.33
Total Expense	83,104.73
Net Ordinary Income	-35,387.88
Net Income	-35,387.88





Bozeman Convenience Site Balance Sheet as of June 30, 2016

Bozeman Convenience Site		Jun 30, 16
ASSETS		
Current Assets		
Checking/Savings		
Cash Operational Combined		
10-1005 · Cash Operational-Bzn Conv Site		-720,346.95
Total Cash Operational Combined		-720,346.95
Total Checking/Savings		-720,346.95
Accounts Receivable		
Accounts Receivable		
12-2005 · Bozeman Convenience Site		619.00
Total Accounts Receivable		619.00
Total Accounts Receivable		619.00
Total Current Assets		-719,727.95
Fixed Assets		
Fixed Assets		
18-6050 · Continuing Property Under \$5000		4,898.96
18-2000 · Buildings		65,377.72
18-2100 · Allow for Depr-Buildings		-6,564.57

18-4000 · Improv Other than Buildings	18,155.90
18-4100 · Allow for Depr- Imp Other Than	-4,162.01
18-6000 · Machinery & Equipment	98,769.19
18-6100 · Allow for Depr - Mach & Equip	-31,159.75
Total Fixed Assets	145,315.44
Total Fixed Assets	145,315.44
TOTAL ASSETS	-574,412.51
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Other Current Liabilities	
City of Bozeman	9,930.20
20-6120 · Wages Payable	1,748.29
20-6135 · W.C. Payroll Liability Payable	17.53
20-9100 · Compensated Absences Payable	323.65
Total Other Current Liabilities	12,019.67
Total Current Liabilities	12,019.67
Long Term Liabilities	
23-9000 · Compensated Absences - Non-Curr	3,262.95
Total Long Term Liabilities	3,262.95
Total Liabilities	15,282.62
Equity	
3900 · Total Net Assets	-554,307.25
Net Income	-35,387.88
Total Equity	-589,695.13
TOTAL LIABILITIES & EQUITY	-574,412.51



Recycling and Waste Diversion

The Solid Waste Management District's overall purpose was to develop a recycling program and continue to make it successful. To reuse, reduce, recycle and intelligently dispose of waste materials. Its Mission: to conserve, protect and preserve the environmental resources of our community through advocacy, education and outreach programs in Gallatin County.

The District's recycling program began in April 1, 2008. This fiscal year, the approved budget was \$616,476. At the end of this fiscal year, we spent \$515,214.43. We were under budget \$101,261.57. We spent \$145,653.64 more this year than the last fiscal year.

Table 14 Recycling Budget to Actual & Expenses for FY 2015 & FY 2016

Expenses	Budget 2015	Actual 2015	Budget 2016	Actual 2016
Hauling/Processing	\$247,500.00	\$247,714.18	\$280,000.00	\$255,542.90
Wages	\$50,662.00	\$51,418.29	\$102,759.00	\$89,332.04
Waste Oil Containers	0	0	\$15,000.00	\$13,063.24
All Other	\$50,478.00	\$70,428.32	102,967.00	\$112,852.00
Outside Services	0	0	\$115,750.00	\$44,423.52
Total	\$348,640.00	\$369,560.79	\$616,476.00	\$515,213.70

The District budgeted \$74,726.00 in anticipated revenue from the sale of recycled commodities. The revenue from recyclable commodities in the waste stream with existing markets was \$42,119.70 which was 56.4% of the budgeted amount. The previous fiscal year's anticipated revenue was \$128,000.00, and we deposited \$67,192.60 in revenue or 52.5% of the budgeted amount. Cardboard and Plastics show a significant drop in revenue. Commodities accepted at each recycling site were plastics #1-#7 until June 2016, at which time, we stopped taking #3-#7. The District accepts only #1's & #2's. Also accepted are steel cans, aluminum cans, paper, news print, magazines, and cardboard. Other waste diversion efforts by the District include metal diversion (447.92 Tons = \$21,513.30/\$38.03 per ton); 151 batteries (\$960) at the Logan Landfill and 57 batteries (\$404) at the Bozeman Convenience Site; 5,917 gallons of oil was recycled, of those 2,722 gallons came from the Bozeman Convenience Site (no revenue); 255 gallons of antifreeze was recycled, of that 40 gallons came from the Bozeman Site (no revenue). Custom Recyclers started charging for pickup and disposal at thirty cents per gallon. Other recycled commodities: propane tanks (processed with the scrap metal); freon; pesticide containers (1,053 pounds) in collaboration with the Montana Department of Agriculture (no revenue) and; bear spray canisters, in collaboration with the Gallatin National Forest (no revenue). We have a clean wood and compost program at both sites. The clean wood is chipped and used in the compost area. The compost is used for cover on the cells.



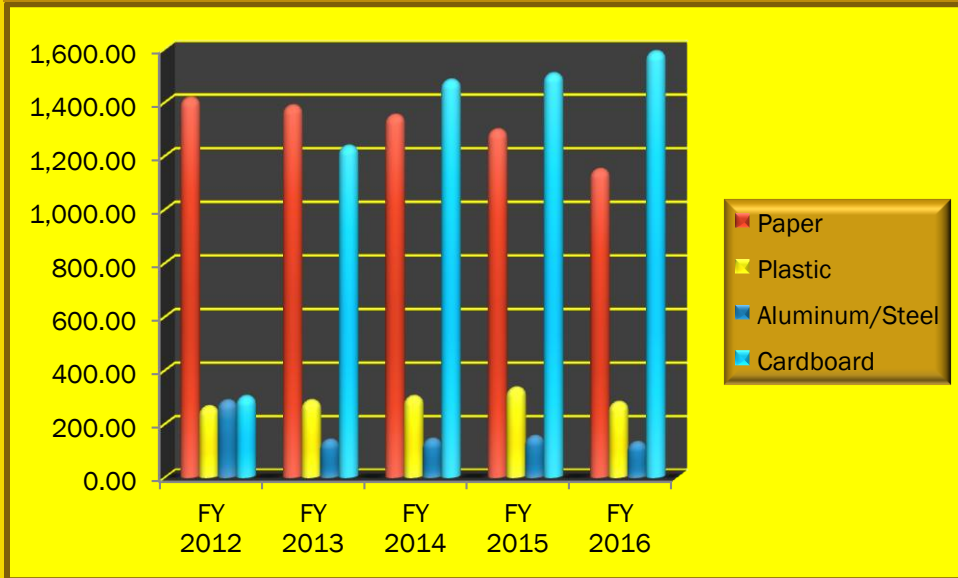


Processing costs for the District's recyclables from July 2015 was \$80 per ton. As of February 2016, the processing went up to \$81 for all commodities. The contract with Four Corners Recycling calls for a \$1.00 increase per ton each year in February for the next two years. Aluminum and steel are reduced 6% for estimated loss (waste) when revenues are calculated. All commodity revenues were down this fiscal year. Tonnages were down 58.57 tons. Plastic is reduced 8.5% for estimated loss. Table 15, the District's Recycle Revenue and Tonnage compares this fiscal year with the previous four fiscal years.

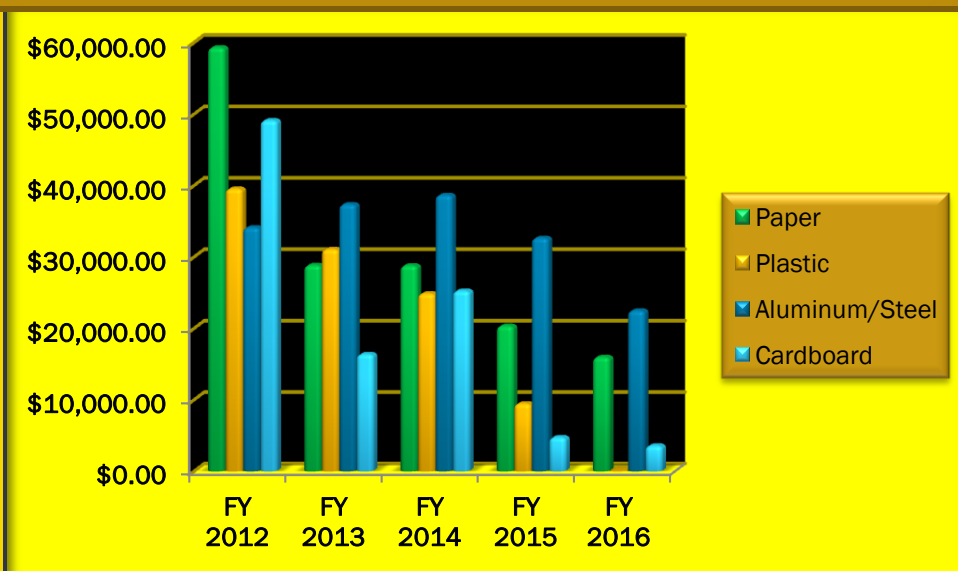
Table 15
District Recycle Revenue and Tonnage Comparison
Fiscal Years 2012 Through 2016

Roll-off Program	FY '12 Revenue	FY' 13 Revenue	Fy'14 Revenue	FY'15 Revenue	FY'16 Revenue
Paper	\$59,315.80	\$28,832.44	\$18,701.92	\$20,342.52	\$15,973.04
Plastic	\$39,539.58	\$31,078.44	\$17,114.93	\$9,466.48	\$105.24
Aluminum/Steel	\$34,118.63	\$37,352.56	\$23,871.96	\$32,639.85	\$22,468.63
Cardboard	\$49,109.95	\$16,377.88	\$19,436.73	\$4,743.75	\$3,572.79
TOTALS	\$182,083.96	\$113,641.32	\$79,125.54	\$67,192.60	\$42,199.70
Roll-off Program	FY '12 Tons	FY' 13 Tons	Fy'14 Tons	Fy'15 Tons	FY'16 Tons
Paper	1,416.11	1,386.79	1,351.59	1,245.97	1,149.26
Plastic	264.25	286.47	301.97	305.39	280.04
Aluminum/Steel	117.96	139.31	142.94	141.16	130.32
Cardboard	680.22	1,236.37	1,482.61	1,514.46	1,588.79
TOTALS	2,478.54	3,048.94	3,279.14	3,206.98	3,148.41

Graph 3: Five-Year Commodity Tonnage Comparison



Graph 4: Five-Year Commodity Revenue Comparison

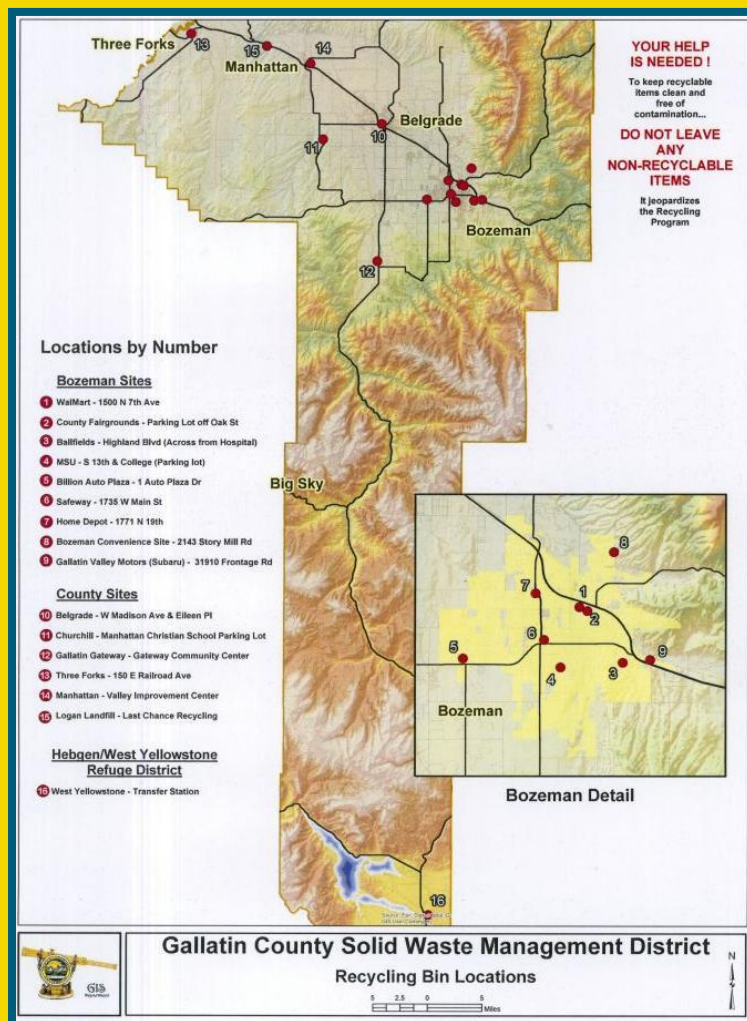


The District currently has 16 recycle sites located around the County and the City of Bozeman. All sites are hosted by the landowner. The map below shows the locations of the District's recycling sites (current as of print date).

The Recycling Program removed the recycling site from Big Sky on November 2, 2015, due to the property being developed by the property owner. District Manager, Jim Simon, has met throughout the year with business owners, associations, and the public in Big Sky to try and find another site to relocate the recycling site. Other properties were proposed, but so far, there has been no decisions made. On April 4, 2016, a leadership plaque was presented to the Big Sky Town Center for the sponsorship of the site since November of 2008.



On May 11, 2016, the Mama Mac's recycling site was removed by request of the property owner. In June 2016, the K-mart recycling site was removed because of the sale of the property by the property owners. It was relocated at the Gallatin County Fairgrounds.



Why Recycle

Recycling Educational Outreach

The programs educational components are instrumental to raise awareness by educating and informing the public about the importance of recycling, what can be recycled, how to reduce waste, and associated benefits. Teaching others to be environmentally responsible in order to protect resources in Gallatin County and our beautiful State of Montana.



Recycling Outreach Events

- ♻️ July 15-18, 2015 Gallatin County Fair "Party in the Dirt, New Future Dirt Root"
- ♻️ November 11, 2015 Bozeman Home Schooled children and their parents took a tour of the Logan Landfill
- ♻️ February 11, 2016 Bozeman Sustainability Series at Beall Recreation Center
- ♻️ February 17, 2016 Middle Creek Montessori in Bozeman – 5 different groups
- ♻️ February 27 & 28, 2016 Spring Home & Garden Show
- ♻️ March 1, 2016 Bozeman Public Library "Recycling Day"
- ♻️ March 19 & 20, 2016 SWMBIA Expo
- ♻️ April 1, 2016 Logan Landfill Tour for Hawthorne Elementary 5th Graders (60 students, 8 adults)
- ♻️ April 7, 2016 "Just Eat It" Documentary screening at Lone Peak High School/Warren Miller Performing Arts
- ♻️ April 4, 2016 Recycling Leadership plaque awarded to Big Sky Town Center
- ♻️ April 15, 2016 Presentation at Earth Day Assembly, Hawthorne Elementary School
- ♻️ April 15, 2016 "Just Eat It" Documentary screening in Three Forks School auditorium
- ♻️ April 17, 2016 Presented materials for a presentation and discussion about recycling at the United Methodist Church in Bozeman
- ♻️ April 18, 2016 "Just Eat It" Documentary screening in Bozeman
- ♻️ April 18, 2016 "Just Eat It" Documentary screening in West Yellowstone
- ♻️ April 23, 2016 Free E-Waste Collection Day at the Logan Landfill

Partners for the "Just Eat It" film tour included: MSU Office of Sustainability, Gallatin Valley Food Bank, Big Sky Community Food Bank, Headwaters Area Food Bank, Community Café, Lone Peak Cinema, Town of West Yellowstone, MSU Extension, MSU Sustainable Food & BioEnergy Program and Three Forks Public Schools.



Home Schooler's
Touring the Logan
Landfill and a
Recycling
Presentation



Bozeman
Sustainability
Series



"Just Eat It" Series
Documentary Big Sky



Home and Garden Show
Bozeman Fairgrounds



Free Earth
Day E-Waste
Event



E-Waste Collection & Processing

The District started accepting e-waste year-round at the Logan Landfill. The fee is \$27 per ton, or under 400 pounds, there is a \$5.00 minimum fee. The items accepted are listed in Table 16.

Televisions	Computer Monitors	Power Supplies	Modems
Laptops	Printers	Switches	Printed Circuit Boards
Hard Drives	Fax Machines	Video Conference	Stereo Components
Gaming Consoles	VCRs	Cable and Cords	Networking Equipment
Cell Phones	Radios	Routers	Servers
Lab Equipment	Test Equipment	Keyboards	Mice
Flat Panel Displays	Computers (CPUs)	DVD Players	Telephones
Tape Drives	Microwave Oven	Digital Cameras	Zip Drives

On April 23, 2016, The District held a free e-waste collection event for household residents at the Logan Landfill. It was held in conjunction with the Earth Day Festivities. The District had 151 customers participate in the event from around Gallatin Valley.





FREE E-WASTE RECYCLING

SATURDAY 4/23/16

Logan Landfill 7:30AM – 4:30PM

Normal rate is \$27/ton with \$5 minimum.



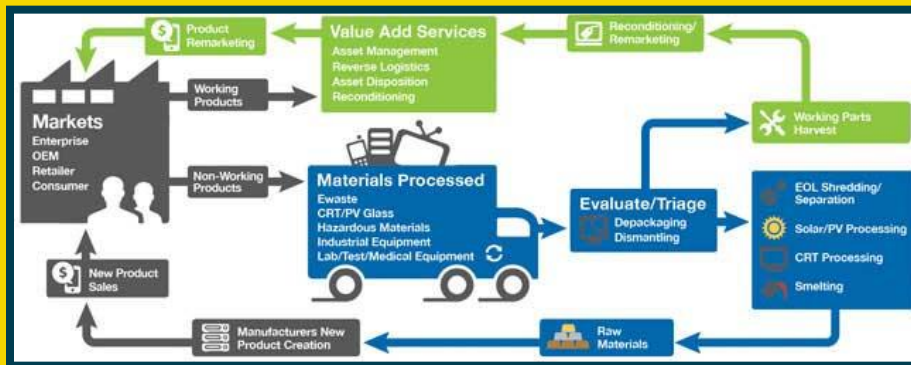
GALLATIN SOLID WASTE MANAGEMENT DISTRICT



- Computers
- Printers & Fax Machines
- Digital Cameras
- Keyboards & Mice
- Modems & Routers
- TVs & Monitors
- VCRs / DVD Players
- Telephones
- Scanners
- Tablets / Cell Phones
- Stereos / Digital Clocks
- Remote Controls
- Servers
- Set Top Boxes

Questions? Call 406.582.2493
Robert.Pudner@gallatin.mt.gov
Visit: Gallatin.MT.gov

The grand total of e-waste collected at the Logan Landfill through tipping fees and shipped to ECS to process this fiscal year was 86.76 tons. They paid us \$6,164.01. The District earned \$4,033 for the e-waste collected from the tipping fees. According to our records, there were 13.22 tons difference in tons shipped from the Logan scales. The difference appears to be items collected that were not true e-waste. The District looks forward to maintaining the good working relationship with ECS in the coming year. The processor the District uses is ECS Refining. This fiscal year, the District got paid three cents per pound. ECS pays for the transportation to its facilities for processing.



ecollective™

powered by ECS Refining



Waste Diversion and Recycling Program Profit & Loss July 1, 2015 Through June 30, 2016

Waste Diversion Program	Jul '15 - Jun 16
Ordinary Income/Expense	
Income	
Charges for services-Logan	
3430-45 · Sale of junk or salvage	814.00
Total Charges for services-Logan	814.00
Charges for Services-Bozeman	
Sale of Junk or Salvage	2,258.70
Total Charges for Services-Bozeman	2,258.70
Waste Diversion Revenue	
Bulbs & Ballasts Tipping Fees	4,189.00
White Goods Tipping Fees	23,430.00
Compost Program Tipping Fees	55,719.00
Clean Wood Tipping Fees	27,375.00
Metal Salvage	19,181.10
E-Waste Tipping Fees	4,033.00
E-Waste Hauled Out	5,700.75
HHW	2,259.00
Total Waste Diversion Revenue	141,886.85
Recycling Revenue	
Sale of Paper	15,973.04
Sale of Plastic	105.24
Sale of Aluminum	21,881.41
Sale of Steel	587.22
Sale of Cardboard	3,572.79
Total Recycling Revenue	42,119.70
Total Income	187,079.25
Cost of Goods Sold	
Recycle Hauling Costs	255,542.90
Total COGS	255,542.90

Gross Profit	-68,463.65
Expense	
Personnel	
110 · Salaries & wages- permanent	58,617.42
120 · Overtime- permanent	2,103.13
140 · Employer contributions	26,259.70
141 · W.C. Employer Contributions	2,351.79
Total Personnel	89,332.04
Supplies	
220 · Operating supplies	14,538.18
224 · Food	101.94
226 · Clothing & uniforms	200.00
Total Supplies	14,840.12
Maintenance	
230 · Repairs & maintenance supplies	2,983.93
360 · General repair & maint by other	1,016.00
361 · Equipment repairs & maint	1,140.00
Total Maintenance	5,139.93
Small Tools	
235 · Small Tools	1,359.76
Total Small Tools	1,359.76
Postage	
312 · Postage	22.06
Total Postage	22.06
Printing & duplicating	
320 · Printing & duplicating	3,380.95
Total Printing & duplicating	3,380.95
Advertising	
337 · Advertising	1,860.10
Total Advertising	1,860.10
Utilities	
341 · Electric Utilities	5,376.82
346 · Cell phones	1,238.72
Total Utilities	6,615.54
Outside Services	

350 - Professional services	44,423.52
Total Outside Services	44,423.52
Travel	
370 - Travel	67.22
Total Travel	67.22
Training	
380 - Training	6,000.00
Total Training	6,000.00
Insurance	
513 - Liability Insurance Allocated	1,025.00
Total Insurance	1,025.00
Administrative fixed costs	
590 - Administrative costs	1,409.59
Total Administrative fixed costs	1,409.59
Depreciation	
830 - Depreciation	71,132.46
Total Depreciation	71,132.46
Total Expense	246,608.29
Net Ordinary Income	-315,071.94
Other Income/Expense	
Other Expense	
Capital improvements	
940 - Capital exp- Machinery & equip	13,063.24
945 - Machinery & Equip Contra	-13,063.24
Total Capital improvements	0.00
Total Other Expense	0.00
Net Other Income	0.00
Net Income	-315,071.94



Waste Diversion and Recycle Program Balance Sheet

July 1, 2015 - June 30, 2016

Waste Diversion Program		Jun 30, 16
ASSETS		
Current Assets		
Checking/Savings		
Cash operational Combined		
10-1010 · Cash Operational - Waste Divers		-1,787,778.72
Total Cash operational Combined		-1,787,778.72
Total Checking/Savings		-1,787,778.72
Total Current Assets		-1,787,778.72
Fixed Assets		
Fixed assets		
18-6050 · Continuing Property Under \$5000		80,546.22
18-6000 · Machinery & equipment		172,653.70
18-6100 · Allow for depr - Mach & equip		-190,765.18
Total Fixed assets		62,434.74
Total Fixed Assets		62,434.74
TOTAL ASSETS		-1,725,343.98
LIABILITIES & EQUITY		
Liabilities		
Current Liabilities		
Other Current Liabilities		
Four Corners Recycling.		10,715.49
20-6120 · Wages payable		3,953.77
20-6135 · W.C. Payroll Liability Payable		100.00
20-9100 · Compensated absences payable		18.21

Total Other Current Liabilities	14,787.47
Total Current Liabilities	14,787.47
Long Term Liabilities	
23-9000 · Compensated Absences - Non-Curr	13.46
Total Long Term Liabilities	13.46
Total Liabilities	14,800.93
Equity	
3900 · Total net assets	-1,425,072.97
Net Income	-315,071.94
Total Equity	-1,740,144.91
TOTAL LIABILITIES & EQUITY	-1,725,343.98





Household Hazardous Waste Collection

The Gallatin Solid Waste Management District holds a free Household Hazardous Waste (HHW) Event to the general public on the second Saturday of each month at the Bozeman Convenience Site. This year we held 12 events. Businesses are charged by the types of materials they bring for disposal. If the business has large quantities they are referred to our HHW contractors, Beartooth Environmental or Veolia Environmental. We had a total of 327 customers attend the events. 313 were household customers and 14 commercial businesses. We collected \$1,499 from the businesses for the service. The District had 65 fewer customers than last fiscal year. The grand total of HHW items we disposed of this fiscal year was 4,767 items.

For more information on the District's HHW program, the types of HHW materials and quantities we accept, visit our website at

www.gallatinsolidwaste.org

(Click on Bozeman Convenience Site click on Household Hazardous Waste link)



Bozeman Convenience Site Household
Hazardous Waste Container

CAUTION

Hazardous Waste



We paid Beartooth Environmental \$11,305.07 to properly dispose of the HHW collected at the events compared to \$24,069.63 the previous year. The program did not include the District's labor, gas, and miscellaneous expenses for holding the events or after the event to bulk and prepare the HHW for shipment for receivership by the disposal service.

The District collects and recycles fluorescent bulbs and ballasts from the HHW program, as well as collecting them at the Logan Landfill. Because they contain Mercury, spent fluorescent lamps increasingly cannot be thrown in dumpsters as a solid waste. Mercury is linked to severe health issues. A single four-foot fluorescent tube contains from 5 to 50 milligrams of mercury. When conventional disposal methods are used, mercury vapors can travel over 200 miles. The Environmental Protection Agency (EPA) regulates fluorescent lamps and stipulates strict guidelines for their disposal.

The District purchased a bulb crusher in FY 2013 to help save costs to the program. We receive the bulbs, crush them and send them out in bulk to be recycled. To dispose of the bulbs, the District pays by the pound, not by the bulb or by the foot for the fluorescents, which is more cost efficient. We pay by the fifty-five gallon drum. We pay \$325.00 per drum plus \$275 for a pallet of four drums plus a fuel surcharge of \$230.25 or .15 per mile. We collected 2,124 pounds of crushed bulbs. We collected 872 eight-foot or over bulbs at \$1.00 a piece totaling \$872 and 6,200 under eight-foot bulbs at \$.50 cents each totaling \$3,102. We collected a total of \$3,974 this fiscal year. This does not include the District's labor for collection and crushing of the bulbs on-site. We collected 332 ballasts. We received \$215. We paid Aircycle Corporation \$4,571.25 to transport the drums to their recycling center to properly ship the bulbs and ballasts.

The Gallatin Solid Waste Management District is required to operate under an Operations Manual (O&M) approved by MDEQ. Under this O&M plan are set policies, procedures, and contingency plans for emergency response in case of an incident that may occur during operations of the District's programs. The District Manager or any other personnel present will contact the appropriate emergency response personnel in the case of injury, fire, accident or disaster. General contingency plans are initiated by the District Manager once an employee has informed the District Manager of the situation.

When emergency situations occur, a prompt, appropriate response can often limit the extent of property damage and counteract the effects of injury to personnel. Knowledge and awareness of potential hazards will be most useful in identifying causes and conditions of an emergency. The basics of the contingency plan to provide for an effective emergency response are:



Trained personnel capable of responding to fire, poisoning, accidental injury and damage, and life threatening occurrences.

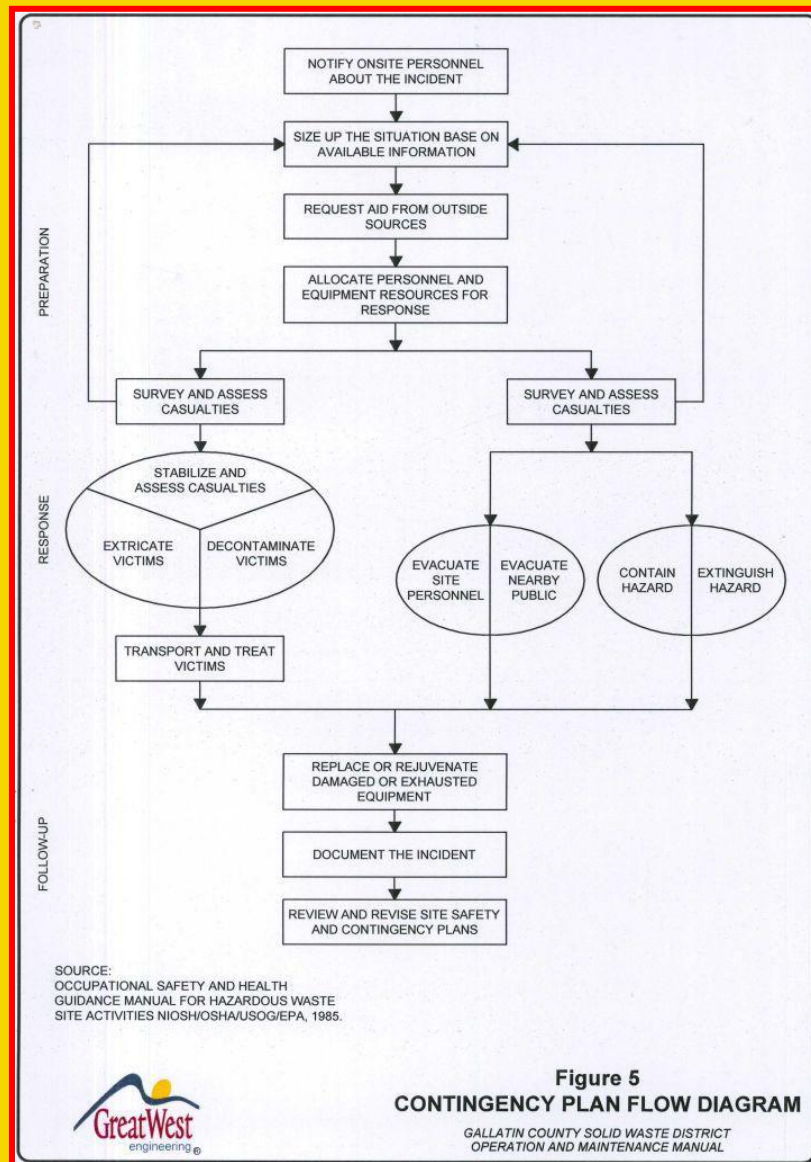


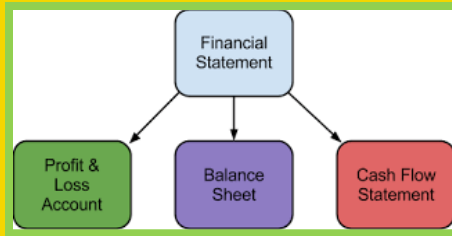
Safety equipment maintained in proper working order and in designated locations.



Plan initial responses, assign responsibilities for actions, and routinely review these plans and assignments. The District budgets for specialized training each year to keep staff educated and trained to respond.

The diagram below gives the general flow as to how the contingency plan proceeds if such an incident occurs.





The Gallatin Solid Waste District operates as an enterprise fund. Under GASB 34, an enterprise fund must be used to report activities described as business-type activities; the activity is financed with debt that is to be repaid solely with the net revenues and charges of the activity, or; laws and regulations require that costs be recovered by revenues of the activity, or; the pricing policies of the activity are designed to fully recover all costs. No tax revenues are used for District operations or capital improvements. Revenues are generated by tipping fees, the sale of recycled commodities, and interest earnings.

The District's total income for the year was \$4,659,394.37. Tipping fees from Logan (\$4,073,416.19) and the Bozeman Convenience Site (\$184,219.25) accounted for \$4,257,635.44 or over 91% of the income. Waste diversion revenue was \$141,886.85. The sale of metal and batteries from the Logan landfill totaled \$20,219.10. The sale of metal and batteries from the Bozeman Convenience Site totaled \$2,330.70 for a total of \$22,549.80, a decrease of \$5,991.25 from FY2015. The Recycling program commodities collected generated \$42,119.70 in revenue. The grazing lease earned \$2,400. Interest earnings for the year totaled \$94,853.67. We were up \$13,622.07 from the previous year in interest earnings. Interest earnings are increasing as cash in the bank increases. The previous four fiscal years had been about half of the \$100,000 plus interest earned in each of FY 2009 and FY 2010. FY 2009 (\$140,845); FY 2010 (\$122,930); FY 2011 (\$59,555.41); FY 2012 (\$60,246.89); FY 2013 (\$53,642.12); FY 2014 (\$58,814.64) FY 2015 (\$81,231.60). The District continues to strive to maintain its annual fiscal year budget.

Graph 5



The Equipment Reserve fund is used to pay cash for future equipment replacement. The fund balance at the end of the year was \$1,839,576.60. We transferred \$479,620.85 to Cash Operational for the purchase of the new Bomag (with trade \$370,000), Waste Oil Containers \$13,063.24, Excavator Ripper \$4,874.00, Shop Computer \$1,782.68, CAT 930H Compost Bucket \$5,389.93 and MF6615 Compost Tractor \$84,511.00. Operational cash at the end of the year for the Logan Landfill was \$5,303,320.71, a negative <\$720,346.95> for the Bozeman Convenience Site (since assuming operations on July 1, 2008), and the Waste Diversion program a negative <\$1,787,778.72> (since startup on April 1, 2008). Total cash operational combined totaled \$2,795,195.04. Fixed assets are \$6,348,877.67. The balance at the end of the year for the District's total assets was \$18,396,487.11, an increase of \$2,106,090.69 from the previous fiscal year. The required financial assurance

funding for landfill closure and post closure costs had a balance of \$2,204,378.44 at the end of the fiscal year. Total long-term liabilities at the end of the year totaled \$2,677,652.20, total liabilities were \$2,960,461.03.

The District did not take on any new debt this fiscal year. Currently, the District makes a principal payment of \$62,500 twice a year to the State Board of Investments for the Logan Springs Ranch property purchased in 2010. Each semi-annual payment pays \$62,500 towards the principal. The interest rate is 1.25%. At the end of the fiscal year we owed \$562,500. The District/County is working to improve the property in anticipation of a land swap of the property in exchange for State land that we currently lease. This action is part of our plan for future expansion of the landfill.

Each year we pay rent to the Department of Natural Resource and Conservation (DNRC) for land leases used in the landfill operation: Rent for the 8-acre parcel (scalehouse and administration building) = \$6,874.14. Each year the rent goes up 3%; the 40 acre parcel the landfill uses to stockpile excavated dirt costs \$19,168. We reserved \$1,200,000 this year for future expansion, including Phase 4 of the Master Plan, and \$420,000 for future equipment purchases.

The landfill incurs considerable insurance that is required for permitting to keep in compliance with new rules and changes in laws. We paid \$41,718.68 to MDEQ for our annual landfill permit. That was \$5,063.20 less than the last fiscal year due to the District's diversion programs. We paid \$18,047.04 (up \$1,201.82 from last fiscal) for our pollution insurance above Gallatin County's allocated liability insurance cost to us of \$23,436.07, which was down \$7,281.93 from last fiscal year.

The Profit and Loss and Balance Sheets for July 1, 2015, through June 30, 2016, show the year's revenues, operating expenditures, assets, and liabilities. We continue to bring the services our customers want, at affordable prices. This year we saw waste volumes go up 3,905.37 tons (132,084.37 total tons). Evaluating the twelve months, the increase seems attributable to the economy steadily improving with the continuing increase of construction in Gallatin Valley. Table 17 shows a five year period FY 2011-2012, FY 2012-2013 had a decrease in tonnage; FY 2013-2014, FY 2014-2015, FY 2015-2016 had increases in tonnage.

Table 17

	Actual Tonnes Received	Decreased Tonnage From Previous Year	Increased Tonnage From Previous Year
Fiscal Year 2011-2012	105,665.34	9,723.75	
Fiscal Year 2012-2013	103,473.52	2,191.82	
Fiscal Year 2013-2014	108,212.55		4,739.03
Fiscal Year 2014-2015	128,179.00		19,966.45
Fiscal Year 2015-2016	132,084.37		3,905.37

The District leases the Bozeman Convenience Site from the City of Bozeman under an Interlocal Agreement that commenced on July 1, 2008. In June of 2013, the District renewed the agreement for another five years beginning July 1, 2013. Under the agreement, the District pays the City of Bozeman for 80% of the compost being disposed of on-site to help maintain it with their equipment. The District receives 20% of the revenue. The District paid the City of Bozeman \$18,386.40 this fiscal year for the compost disposed of at the Bozeman Convenience Site scale.





Gallatin Solid Waste Management District Long Range Strategic Plan

Gallatin Solid Waste Management District Long Range Plan FY 2015 - FY 2025

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Tonnage	1%	128,179	132,084	132,000	133,320	134,653	136,000	137,360	138,733	140,121	141,522	142,937
\$/Ton (ave)		30.84	31.72									
CAPITAL OUTLAY												
Land (Logan springs)												
Buildings (shop, admin)												
Wash Bay		\$130,919										
Mechanical Room												
Improvements on land												
Leachate Pond												
Logan Springs/Land Swap		\$21,248	\$49,481	\$110,000	\$100,000	\$50,000						
Admin Area Landscaping												
Public Tipping Area												
Corrective Measures		\$35,936	\$30,318	\$100,000	\$50,000							
Compost Area		\$2,715	\$15,737	\$50,000								
HHW Building												
Trees/Flood Reclamation		\$13,272										
Fence/ Screens/ Concrete Blocks		\$0	\$5,300	\$25,000	\$25,000							
Cell 4 Construction		\$1,558	\$40,980	\$25,000	\$1,000,000	\$1,200,000						
Major Facility Expansion					\$50,000	\$438,500	\$96,000			\$25,000		
Class 4 Closure							\$754,400	\$656,000				
Phase/Cell 3 Closure												
Phase/Cell 4 Closure												\$1,371,800
Phase 1/Cell Construction									\$25,000	\$3,515,640	\$3,465,642	
Equipment Reserve Fund		\$420,000	\$420,000	\$420,000	\$420,000	\$420,000	\$420,000	\$420,000	\$420,000	\$420,000	\$420,000	\$420,000
year end balance		\$ 1,781,120	\$1,839,576	\$1,917,348	\$ 2,067,348	\$ 2,097,148	\$ 2,257,148	\$1,997,148	\$ 1,907,148	\$ 2,027,148	\$ 2,447,148	\$ 2,192,148
Equipment												
HHW Lockers												
Haul Truck												\$400,000
Trackhoe/Excavator												\$275,000
Compactor (772RB)			\$520,000									
Compactor (826H)							\$650,000					
Compactor GPS				\$80,000								
Scraper												
Dozer		\$346,455						\$500,000				
Agri-Tractor (used)			\$99,511									
Windrow Turner												
Front Loader					\$300,000							
930 IT Angle Snow Plow				\$15,000								
930 IT Compost Bucket		\$5,389										
963 K Track Loader			\$254,463						\$300,000			
Roll-Off Truck				\$150,000								
Grader						\$250,000						
Water Truck			\$71,915									
Toyota Pickup												
Pickup (3/4 Chev)					\$40,000							
Pickup (snow plow)												
2012 Dodge Ram							\$30,000					
Admin Vehicle												
Service Truck (used)												
Hydroseeder (ADC)					\$50,000							
Other Assets												
Computers	\$1,734	\$1,782		\$7,200								
SQL Update												
Copier			\$10,500									
Hydraulic Press												
Bulb Grinder												
CFL Crusher												
Manlift												
Rotary Cutter												
Hooklift Bins												
Dump Bed												
Eye Wash Station	\$4,761											
BCS Camera System												
Closed Circuit TV System			\$5,350									
Radiation Detector												
Two Way Radios												
Public Tipping Area Lid Boxes												
Mower Attachment Ag Tractor				\$8,000								
Pallet Jack												
E-Waste Stacker Forklift												
E-Waste Container-Bzn Site												
Bzn Site Skid Steer												
Ripper Tooth 329E		\$4,874										
Pump for Spring												
Waste Oil Containers - 2			\$13,063									
HHW Barrel Scale	\$1,582											
Bzn Roll-off containers												
Bzn Stationary Compactor												
Recycling Containers				\$10,000		\$10,000		\$10,000				
Total		\$354,532	\$644,619	\$342,228	\$270,200	\$390,000	\$260,000	\$680,000	\$510,000	\$300,000	\$0	\$675,000

Gallatin Solid Waste Management District

Profit & Loss

July 1, 2015 Through June 30, 2016

Gallatin Solid Waste Management District	
	Jul '15 - Jun 16
Ordinary Income/Expense	
Income	
Gain (Loss) on Equip Trade In	117,130.01
Charges for services-Logan	
3430-42 · Disposal charge	4,073,416.19
3430-45 · Sale of junk or salvage	1,038.00
Total Charges for services-Logan	4,074,454.19
Grazing Lease	2,400.00
Charges for Services-Bozeman	
Disposal Charge	184,219.25
Sale of Junk or Salvage	2,330.70
Total Charges for Services-Bozeman	186,549.95
Waste Diversion Revenue	
Bulbs & Ballasts Tipping Fees	4,189.00
White Goods Tipping Fees	23,430.00
Compost Program Tipping Fees	55,719.00
Clean Wood Tipping Fees	27,375.00
Metal Salvage	19,181.10
E-Waste Tipping Fees	4,033.00
E-Waste Hauled Out	5,700.75
HHW	2,259.00
Total Waste Diversion Revenue	141,886.85
Recycling Revenue	
Sale of Paper	15,973.04
Sale of Plastic	105.24
Sale of Aluminum	21,881.41
Sale of Steel	587.22
Sale of Cardboard	3,572.79
Total Recycling Revenue	42,119.70
3710-10 · Interest earnings	94,853.67
Total Income	4,659,394.37

Cost of Goods Sold	
80% Compost due to City	18,386.40
Transport from Bzn Conv Site	
Rolloff Containers	111,957.00
Stationary Compactor Containers	6,231.00
Total Transport from Bzn Conv Site	118,188.00
Recycle Hauling Costs	255,542.90
Total COGS	392,117.30
Gross Profit	4,267,277.07
Expense	
720 - Donation of Tipping Fees	3,470.00
Tax Assessments	
540 - Tax Assessments	6.60
Total Tax Assessments	6.60
Personnel	
110 - Salaries & wages- permanent	642,420.40
112 - Salaries & wages- temporary	26,542.17
120 - Overtime- permanent	54,423.40
140 - Employer contributions	258,077.25
141 - W.C. Employer Contributions	27,139.52
Total Personnel	1,008,602.74
Supplies	
210 - Office supplies	4,498.92
220 - Operating supplies	73,822.05
224 - Food	984.33
226 - Clothing & uniforms	2,929.42
Total Supplies	82,234.72
Fuel	
231 - Gas, oil, fuel, grease	99,299.82
Total Fuel	99,299.82
Maintenance	
230 - Repairs & maintenance supplies	88,496.93
232 - Tires	2,379.87
360 - General repair & maint by other	38,900.45
361 - Equipment repairs & maint	23,903.75
362 - Office equip repair & maint	6,932.74
Total Maintenance	160,613.74

Small Tools	
235 · Small Tools	6,748.32
240 · Consumable Tools	1,034.99
Total Small Tools	7,783.31
Postage	
312 · Postage	2,007.68
Total Postage	2,007.68
Printing & duplicating	
320 · Printing & duplicating	5,975.00
Total Printing & duplicating	5,975.00
Advertising	
331 · Publications legal notices	194.00
337 · Advertising	3,642.30
Total Advertising	3,836.30
Dues & Subscriptions	
335 · Membership Dues	774.00
Total Dues & Subscriptions	774.00
Utilities	
341 · Electric Utilities	16,881.78
344 · Propane	5,256.97
345 · Telephone	23,069.82
346 · Cell phones	3,570.47
Total Utilities	48,779.04
Outside Services	
350 · Professional services	124,924.24
351 · Medical services, vet services	457.00
Total Outside Services	125,381.24
Travel	
370 · Travel	1,053.65
Total Travel	1,053.65
Training	
380 · Training	7,441.67
Total Training	7,441.67
Insurance	
510 · Property insurance	18,047.04

513 · Liability Insurance Allocated	23,436.07
Total Insurance	41,483.11
Licenses	
570 · License fees	44,291.66
Total Licenses	44,291.66
Rent	
530 · Rent	37,003.85
Total Rent	37,003.85
Service charges	
630 · Service charges	2.85
Total Service charges	2.85
Administrative fixed costs	
590 · Administrative costs	54,823.98
Total Administrative fixed costs	54,823.98
Closure/Post Closure	
580 · Closure/post closure costs	158,220.67
Total Closure/Post Closure	158,220.67
Loan Interest Payments	
620 · Loan Interest	5,003.75
Total Loan Interest Payments	5,003.75
Depreciation	
830 · Depreciation	315,533.10
Total Depreciation	315,533.10
Total Expense	2,213,622.48
Net Ordinary Income	2,053,654.59
Other Income/Expense	
Other Expense	
Loan payments	
610 · Principal	125,000.00
615 · Principal Contra	-125,000.00
Total Loan payments	0.00
Reserve funds	
905 · Equipment/Next Cell Reserves	1,620,000.00
955 · EQUIP/NEXT CELL RESERVE CONTRA	-1,620,000.00

Total Reserve funds	0.00
Capital improvements	
920 - Buildings	13,890.90
925 - Buildings Contra	-13,890.90
930 - Improv other than buildings	134,919.11
935 - Improvements Contra	-134,919.11
940 - Capital exp- Machinery & equip	479,620.85
945 - Machinery & Equip Contra	-479,620.85
Total Capital improvements	0.00
Total Other Expense	0.00
Net Other Income	0.00
Net Income	2,053,654.59

New 2015 BoMag
Trash Compactor



Repaving the Front of
Logan's Entrance



RIH HAZMAT
Training
Logan Landfill
February
10&11, 2016
Trainer
Patrick Ryan,
CIH, CHMM
"BOOM"

Gallatin Solid Waste Management District

Balance Sheet

July 1, 2015 Through June 30, 2016

Gallatin Solid Waste Management District	
	Jun 30, 16
ASSETS	
Current Assets	
Checking/Savings	
Cash operational Combined	
10-1000 · Cash Operational	5,303,320.71
10-1005 · Cash Operational-Bzn Conv Site	-720,346.95
10-1010 · Cash Operational - Waste Divers	-1,787,778.72
Total Cash Operational Combined	2,795,195.04
10-2000 · Restricted Cash - Closure Costs	2,204,378.44
10-2110 · Cash - Fixed Asset Purchases	1,839,576.60
10-2130 · Cash Res for Security Deposit	90,000.00
10-2210 · Loan Payment Reserve	62,500.01
10-2220 · Loan Reserve (Future Year Pmt)	125,000.00
10-2230 · Reserve For Future Expansion	3,250,000.00
Total Checking/Savings	10,366,650.09
Accounts Receivable	
Accounts Receivable	
12-2000 · Logan Landfill	663,924.39
12-2005 · Bozeman Convenience Site	619.00
Total Accounts Receivable	664,543.39
Total Accounts Receivable	664,543.39
Other Current Assets	
12-8000 · Accrued Int Receivable	16,415.96
Total Other Current Assets	16,415.96
Total Current Assets	11,047,609.44
Fixed Assets	
13-3000 · Loan Receivable - Law & Justice	1,000,000.00

Fixed Assets

18-6050 · Continuing Property Under \$5000	201,442.86
18-1000 · Land	1,650,785.00
18-2000 · Buildings	1,841,391.24
18-2100 · Allow for Depr- Buildings	-321,991.04
18-3000 · Intangibles	6,965.00
18-3100 · Amortization	-6,965.00
18-4000 · Improv Other than Buildings	2,983,115.59
18-4100 · Allow for Depr- Imp Other than	-2,630,237.70
18-6000 · Machinery & Equipment	3,750,755.61
18-6100 · Allow for Depr - Mach & Equip	-1,496,886.11
18-8010 · CIP - Cell 4 Expansion	68,029.10
18-8015 · CIP - Compost Expansion	92,818.30
18-8020 · CIP - Logan Springs	101,594.19
18-8025 · CIP - Soil Vapor Extraction	52,364.12
18-8030 · CIP - Spring Rehab	13,271.78
18-3035 · CIP - License Expansion	6,991.50
18-8500 · Class 4 Waste Area	35,433.23

Total Fixed Assets 6,348,877.67

Total Fixed Assets 7,348,877.67

TOTAL ASSETS **18,396,487.11**

LIABILITIES & EQUITY**Liabilities****Current Liabilities****Other Current Liabilities**

City of Bozeman	9,930.20
Four Corners Recycling.	10,715.49
20-6120 · Wages Payable	19,700.65
20-6130 · Payroll Liabilities	18,157.26
20-6135 · W.C. Payroll Liability Payable	2,773.57
20-9100 · Compensated Absences Payable	6,531.66
21-4000 · Security Deposits Payable	90,000.00
Current Portion-Long Term Debt	125,000.00

Total Other Current Liabilities 282,808.83

Total Current Liabilities 282,808.83

Long Term Liabilities

23-5406 · Land Loan - Board of Investment	562,500.00
Current Portion	-125,000.00
23-6000 · Closure Cost Liability	2,121,697.39

23-9000 · Compensated Absences - Non-Curr	59,098.28
23-9500 · GASB 45 OPEB Net Obligation	59,356.53
Total Long Term Liabilities	2,677,652.20
Total Liabilities	2,960,461.03
Equity	
3000 · Net Assets	1,046,820.07
3900 · Total Net Assets	12,335,551.42
Net Income	2,053,654.59
Total Equity	15,436,026.08
TOTAL LIABILITIES & EQUITY	18,396,487.11

