

Solid Waste Disposal

Department Overview

Solid Waste Management in Gallatin County is handled through two separate and distinct districts. They are the Gallatin Solid Waste Management District and the Hebgen/West Yellowstone Refuse District. In addition, the Districts and County participate in recycling collection, information and educational programs. The Gallatin Solid Waste Management District offers a Household Hazardous Waste Event once a month at the Bozeman Convenience Site.

The Gallatin Solid Waste Management District is under the direction of the County Commission which appoints an Advisory Board. The Board meets monthly with the District Manager and staff at a public meeting held the fourth Wednesday of every month. The manager operates the landfill under a Montana Department of Environmental Quality (DEQ) permit with the policies and procedures adopted by County Commission and the Advisory Board and County, State, and Federal regulations. The Manager supervises recycling and educational outreach, household hazardous waste, the disposal of municipal solid waste, light construction waste and heavy construction waste, bio-solids, woody waste and compost received at Logan Landfill and the Bozeman Convenience Site. The District is an Enterprise fund, funded through the collection of fees on the waste received. Tipping fees for FY 2015 are \$27 per ton for municipal solid waste, \$48 per ton for light construction and \$58 per ton for heavy construction waste.

The Hebgen / West Yellowstone Refuse District is managed by an appointed board. The Board has hired a professional compost and transfer station manager to oversee the day to day operations. The district operates the first in-vessel compost facility in the State. This facility is made possible by the support of the National Park Service and its dedication to use the compost facility. The facility composts waste received from Yellowstone National Park during the summer. All waste not processed through composting is transported to the County's Logan Landfill. The District operates through a contract with the National Park Service and tipping fees charged to users of the transfer station.

An estimated 104,700 tons of solid waste will be disposed of at the Logan Landfill in FY 2015. The District receives waste from Gallatin, Madison, Broadwater, Jefferson Counties and Yellowstone Park.

Department Goals

- Always provide safe, efficient, and integrated solid waste management programs at the Logan Landfill, the Bozeman Convenience site, and all of the District's operations.
- Plant a row of trees in front of the Logan Landfill perimeter to screen the Logan Landfill operations from Interstate 90 and prevent litter from blowing off site or onto the highways.
- Continue to expand the Recycling program and Electronics Waste (E-waste) collection through our Environmental Educational Outreach program.
- Expand Household Hazardous Waste (HHW) program at the Bozeman Convenience Site and continue to educate the public on HHW.
- Continue to work with the DNRC on a land exchange for section 6 on the east perimeter of the landfill in exchange for section 1 of the Logan Springs Ranch
- Contingent on the Logan Springs Land Exchange, construct a perimeter fence on new boundaries.
- Continue to work with Montana DEQ for a permit to expand the Compost operation at the Logan Landfill.
- Contingent on the License Expansion Approval from MDEQ, construct a perimeter fence on new boundary.
- Complete a remediation plan for the Logan Spring affected by flooding.
- Improvements and repair of Best Management Practices, storm water ponds and culverts within the run-on control ditch system damaged by excessive and fast moving water.
- Depending on land swap and license boundary expansion for compost, update the Logan Landfill Master Plan.
- Plan for improvements and location design for the Bozeman Convenience Site/HHW operation.

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- Update Logan Landfill's Operation and Maintenance Manual and Operations Process and Policy Manual.
- Work on drafting a Debris Management Plan for the Gallatin Solid Waste Management District.
- Replace 1050J dozer with a multipurpose dozer.

Recent Accomplishments

- The industry standard for landfills this size is a compacted waste density of 1,200 LB/CY and a 3:1 waste-to-soil ratio which results in an overall volume per ton performance of 2.22 CY/Ton. The overall performance measured by GPS over this last period was 18% better than standard landfill performance metrics. The landfill staff is commended for obtaining this outstanding waste density and overall landfill performance which insures the landfill life is maintained and in this case, actually extended via excellent performance criteria.
- Updated Storm Water Pollution Prevention Plan.
- Turned in a License Boundary Expansion to MDEQ for the Compost operations.
- Turned in a preliminary application to the Montana Department of Natural Resources Land Board for a proposed land swap that the District has been working towards for many years.
- Site improvements for roads, litter control, seeding, and cover soil.
- Received Phase 2 Closure Certificate approval from MDEQ for 7.2 acres.
- The City of Bozeman started hauling biosolids to Logan under an Interlocal Agreement with the District.
- Awarded a contract for constructing a wash bay at the Logan Landfill shop.
- Awarded a 5-year contract for engineering and monitoring services.
- Awarded a 3-year (option renew 2 years) for a re-vegetation plan for the Logan Springs property.
- Updated and renewed for 1 additional year, a recycling contract for processing and hauling of recyclable commodities.
- Awarded a 5-year contract for wood grinding.
- Purchased an excavator and haul truck for better efficiency and maintenance of operations.
- Purchased a survey radiation meter.
- Upgraded the radio communication system at the landfill.
- Purchased eye-wash stations for the Bozeman Convenience Site.
- Purchased hazardous materials storage lockers for the Logan Landfill.
- The Site Foreman was promoted as the new District Manager. The promotion allowed two employees within the landfill operations to be promoted. A Household Hazardous Waste Specialist/Operator and a new Site Foreman/Operator.
- Acceptance of credit cards for payment of disposal fees at the Logan Landfill and Bozeman Convenience Site.
- The first test pile of compost was successful in producing enough heat to destroy bacteria and pathogens, while generating no discernible odors during processing.

PUBLIC WORKS

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Gallatin County Solid Waste District Budget

Object of Expenditure	Actual FY 2013	Final FY 2014	Actual FY 2014	Request FY 2015	Preliminary FY 2015	Final FY 2015
Personnel	\$ 844,907	\$ 963,853	\$ 843,178	\$ 938,745	\$ 975,824	\$ 976,425
Operations	1,683,106	2,077,544	1,949,371	1,985,076	1,985,076	1,985,076
Debt Service	380,491	134,060	130,573	132,810	132,810	132,810
Capital Outlay	473,650	5,982,606	398,474	6,484,989	6,484,989	6,798,761
Transfers Out	-	-	-	-	-	-
Total	\$ 3,382,154	\$ 9,158,063	\$ 3,321,596	\$ 9,541,620	\$ 9,578,699	\$ 9,893,072

Budget by Fund Group

General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Revenue Funds	-	-	-	-	-	-
Debt Service Funds	-	-	-	-	-	-
Capital Project Funds	-	-	-	-	-	-
Enterprise Funds	3,382,154	9,158,063	3,321,596	9,541,620	9,578,699	9,893,072
Internal Service Funds	-	-	-	-	-	-
Trust & Agency Funds	-	-	-	-	-	-
Total	\$ 3,382,154	\$ 9,158,063	\$ 3,321,596	\$ 9,541,620	\$ 9,578,699	\$ 9,893,072

Funding Sources

Tax Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Non-Tax Revenues	1,002,994	828,500	729,668	3,864,367	3,864,367	3,864,367
Cash Reappropriated	2,379,160	8,329,563	2,591,928	5,677,253	5,714,332	6,028,705
Total	\$ 3,382,154	\$ 9,158,063	\$ 3,321,596	\$ 9,541,620	\$ 9,578,699	\$ 9,893,072

Department Personnel

No. of Positions	FT/PT	Title	FTE 2013	FTE 2014	FTE 2015
1	Full-Time	District Manager	1.00	1.00	1.00
1	Full-Time	Office Manager	1.00	1.00	1.00
1	Full-Time	Accountant	1.00	1.00	1.00
1	Full-Time	Site Foreman/Shop Foreman	1.00	1.00	1.00
2	Full-Time	Scale Operator – Logan Landfill	2.00	2.00	2.00
4	Full-Time	Equipment Operator	4.00	4.00	4.00
2	Full-Time	Mechanic	2.00	2.00	2.00
1	Full-Time	Site Maintenance Technician	1.00	1.00	1.00
1	Full-Time	Scale Operator (Bozeman Convenience Site)	1.00	1.00	1.00
1	Full-Time	Environmental Outreach Educator/Scale Operator	1.00	1.00	1.00
15.00		Total Program	15.00	15.00	15.00

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2015 Budget Highlights – Gallatin County Solid Waste District

Personnel

- Maintaining staffing level unchanged for FY 2015

Operations

- Application received by MDEQ to expand the current license boundary for the Compost operation

Capital

- Equipment Reserve \$1,861,422; Cell Reserve \$2,050,000; Closure Reserves \$2,182,462; Logan Springs Land Exchange \$75,000; Trees/Flood Reclamation \$20,000; Fences/Screening \$25,000; Compost Expansion \$125,000; Corrective Measures/Soil Gas Extraction \$60,000; Dozer \$250,000; Cell 4 Expansion \$25,000; Household Hazardous Barrel Scale \$2,000; Computer \$2,000; Shop Wash Bay \$115,997; Eye Wash Bay \$4,880

County Commission Goals/Department Response

The County Commission established a set of overarching goals for the County government. Listed below are the goals, followed by the methods the District is striving to fulfill those goals.

Align community needs with budgetary decisions

- Continue to re-evaluate recycle site locations, program efficiency and District operations (recycling, recycling outreach and education, household hazardous waste, and compost).
- Continue live surveys at recycling sites for input from public on ways to improve program efficiency.
- Expand responsible waste management strategies including reduce, reuse, recycle & composting.

Adhere to long-term plans

- Re-evaluate Long Range Strategic Plan annually and adjust accordingly.

Demonstrate exceptional Customer Service

- Recycle outreach events give District staff and the Public an opportunity to ask questions and provide feedback to help improve District programs for the Public's benefit and satisfaction.
- Continue Customer Appreciation events and respond quickly to inquiries, concerns, & complaints.

Serve as a Model for Excellence in Government

- The Logan Landfill is a modern environmentally regulated state-of-the-art Class II sanitary landfill.
- Enhance surrounding site with trees and fencing parallel to highway to screen the landfill operations from view and keep litter from leaving the landfill boundary and continue daily litter picking.
- Provide a safe environment for the Public and District employees.
- Professionally promote functions & activities to the Public, County departments, and outside agencies.

Improve communication within County government, other jurisdictions and our public

- Open communication with the Public, District municipalities, District Board, other County, State, and Federal entities through notices, meetings, websites, e-mail, correspondence, and Public Service Announcements on radio and newspapers.

Be an Employer of Choice and improve employee retention

- Specialized training/direction and continue to promote staff who show high performance standards.

PUBLIC WORKS

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Workload Indicators / Performance Measures

Workload Indicators Logan Landfill					
	Indicator	Actual FY 2012	Actual FY 2013	Actual FY 2014	Projected FY 2015
1.	Tonnage	108,500	108,500	102,000	104,700
2.	Number of users per day	170	170	162	190
3.	Public satisfaction rate	100%	100%	99.9%	100%
4.	Compliance with regulatory agencies	100%	100%	100%	100%

Performance Measures Logan Landfill (does not include BCS)					
	Measure	Actual FY 2012	Actual FY 2013	Actual FY 2014	Projected FY 2015
1.	Tons per day	355	355	333	336
2.	Decrease in negative complaints			99.9%	100%
3.	Increase revenues by 5% minimum per year	99%	99%	99%	100%
4.	Successful audit	Unqualified	Unqualified	Unqualified	Unqualified

Comments



**Gallatin Solid Waste Management District
(Logan Landfill – Bozeman Convenience Site)**

PUBLIC WORKS

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Hebgen / West Yellowstone Refuse District Budget

Object of Expenditure	Actual FY 2013	Final FY 2014	Actual FY 2014	Request FY 2015	Preliminary FY 2015	Final FY 2015
Personnel	\$ 197,774	\$ 218,116	\$ 203,600	\$ 218,490	\$ 228,600	\$ 228,599
Operations	659,156	631,573	607,454	634,697	624,587	624,588
Debt Service	-	200	-	200	200	200
Capital Outlay	459,315	1,789,198	-	1,479,999	1,479,999	1,507,868
Transfers Out	-	-	-	-	-	-
Total	\$ 1,316,245	\$ 2,639,087	\$ 811,054	\$ 2,333,386	\$ 2,333,386	\$ 2,361,255

Budget by Fund Group

General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Revenue Funds	-	-	-	-	-	-
Debt Service Funds	-	-	-	-	-	-
Capital Project Funds	-	-	-	-	-	-
Enterprise Funds	1,316,245	2,639,087	811,054	2,333,386	2,333,386	2,361,255
Internal Service Funds	-	-	-	-	-	-
Trust & Agency Funds	-	-	-	-	-	-
Total	\$ 1,316,245	\$ 2,639,087	\$ 811,054	\$ 2,333,386	\$ 2,333,386	\$ 2,361,255

Funding Sources

Tax Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Non-Tax Revenues	762,503	802,635	729,668	824,200	824,200	824,200
Cash Reappropriated	553,742	1,836,452	81,386	1,509,186	1,509,186	1,537,055
Total	\$ 1,316,245	\$ 2,639,087	\$ 811,054	\$ 2,333,386	\$ 2,333,386	\$ 2,361,255

Department Personnel

No. of Positions	FT/PT	Title	FTE 2013	FTE 2014	FTE 2015
1	Full-Time	Operations Manager-Transfer Station	1.00	1.00	1.00
1	Full-Time	Facility Lead Operator	1.00	1.00	1.00
1	Part-Time	Operator	1.00	1.00	1.00
	Part-Time	Seasonal worker	0.50	0.50	0.50
5.00		Total Program	3.50	3.50	3.50

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2015 Budget Highlights – Hebgen / West Yellowstone Refuse District

Personnel

- No changes to personnel

Operations

- Old transfer station, scale house and bathroom will be resided to match existing building colors
- Upgrade of compost computer and blower systems to match industry standards

Capital

- Compost– Compost Facility Reserve \$685,103; Damper System \$80,000
- WY Transfer Station – Pickup \$25,000; Steel hopper and tip floor \$10,000; Bird Netting \$6,000; Transfer Station Residing Project \$30,000; Reserve \$671,765

County Commission Goals/Department Response

The County Commission established a set of overarching goals for the County government. Listed below are the goals, followed by the methods by which the District is striving to fulfill those goals.

Align community needs with budgetary decisions

- Expand responsible Waste Management Strategies that include waste reduction, recycling and composting.
- Continue to provide and subsidize local recycling efforts so the public can participate easier.
- Reestablish E-Waste recycling for the locals and investigate providing future HHW disposal events.
- Continue to upgrade and improve safety standards at the transfer station.

Adhere to long term plans

- Continue to follow the established 10 year long range plan and adjust according to the needs and priorities of users.

Exceptional Customer Service

- Provide a safe environment for the public.
- Poll the users to determine their needs and ideas for the future.

Be Model for Excellence in Government

- Enhance the transfer station and compost facility as a major resource.
- Expand recycling and compost opportunities for area residents and businesses, ie. organics only composting.

Improve Communications

- Implement policy and procedures manual.
- Educate the public about the benefits of compost through handouts, tours and educational classes.

To be the Employer of Choice

- Provide specialized training and direction and promote staff who show high performance standards.

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Workload Indicators / Performance Measures

Workload Indicators – West Refuse				
Indicator	Actual FY 2012	Actual FY 2013	Actual FY 2014	Projected FY 2015
1. Hauls to Logan Landfill	320	296	332	325
2. Tonnage to Logan	5,650	4,800	6,057	5,850
3. Compost sold (cubic yard)	650	625	260	750
4. Tonnage-compost Facility from Park	2,450	2,170	1,668	2,160
5. Tons processed	1,500	1,500	934	1,080
6. Incoming tonnage (Yellowstone National Park & Public)	6,000	5,270	6,259	6,060

Performance Measures – West Refuse District				
Measure	Actual FY 2012	Actual FY 2013	Actual FY 2014	Projected FY 2015
1. Compost generated / yard of trash	650	625	754	750
2. Revenue from compost sales	10,000	7,000	2,503	7,200
3. Inerts in finished compost	1%	1%	1%	1%
4. Tonnage of chipping segregated	160	391	0	0
5. Tonnage transported	5,400	5,400	6,057	5,850
6. White goods recycled	185	170	225	225

Comments

The District staff is working hard to maintain an 18 ton per truck average on the loads to the Logan Landfill. This reduces both costs and the carbon footprint of the semis traveling Highway 191.

The Waste Board and the manager are also continuing talks with YNP on the possibilities of implementing an organics only route within the Park. These organics could be processed at the Compost Facility producing a better, more marketable compost. The park service could see savings in reduced tipping fees while the District could save on personnel and operating costs.

One goal for FY 2015 is to reconnect with the local users from the District to make sure their needs are being met. Also, establishment of a yearly E-Waste and HHW recycling event for the public.

Equipment replacement and upgrades include a new 4-auger mixer in the compost facility along with a number of conveyor belt replacements. The wet mill had bearing and other repairs done. A new backhoe was purchased along with Freon evacuation equipment to be used at the transfer station.



Hebgen/West Yellowstone Refuse District Transfer Station/Compost