



Introduction

In the fall of 2001, a partnership between the City of Pocatello and Bannock County was formed to come up with a solution for the disposal of organic waste. This partnership was a result of a citizen's committee that began asking about the recycling of green material.

A memorandum of understanding was entered into September 6, 2001 between the two entities. Both parties recognized that it was in the best interest of the citizens to save the valuable landfill air space that was remaining in the landfill. It was decided that a three-year pilot program would be necessary to determine the long-term feasibility of composting material at the landfill.

Bannock County designated an area and built a 1.2 acre compost pad for the composting project. The material used to construct this pad was recycled asphalt, which resulted in a cost savings as well as saved landfill air space.

Bannock County operates the compost site and accepts up to 1,000 tons of compostable material at no cost. We also take periodic samples to test for contamination.

The City of Pocatello Sanitation Department provides \$20,000 annually for funding for advertising, labor, and testing, as well as delivering leaves and wood chips from their park operations. The City also obtained a trammel mill that was not being used by the Zoo. A new motor was donated and installed by the County Road and Bridge Department. This has been a very useful piece of equipment in screening the finished product.



A large portion of the initial start up costs totaling \$69,636.00 were covered with a check for \$37,500.00 by a local business to resolve issues associated with compliance with the Rules for Control of Air Pollution in Idaho.

Benefits from the joint composting project are many. Bannock County benefits by extending the life of the landfill keeping biodegradable material out of our cell and the City of Pocatello benefits by providing an additional service to their residents; by saving space in the garbage collection trucks-resulting in fewer trips to the landfill; by disposing of green waste from their parks; and by saving money operating the project with a partner. In addition residents have a safe way to dispose of yard and garden materials for free.

We are very proud of the continued cooperation and collaboration between the County and City in the planning, cost sharing, advertising, education and future development plans.

We have already made use of the finished product by using 44 tons on the renovation project of Downtown Pocatello, landscaping projects at the Courthouse, and erosion control at the landfill.

It is our hope that the following information will provide you with the documentation needed to make the decision to continue the operation.

Preparing the Site



Initial Site Preparation Costs

COMPOST PILOT PROJECT COSTS 2001				
Date	Description	Labor Costs	Equipment Costs	Material Costs
Apr-02	Prepare Site	\$5,571.62	\$19,764.13	
May-02	Prepare Site	\$4,193.15	\$19,605.58	
Jun-02	R&B Pad	\$4,143.82	\$6,472.68	\$5,626.72
Jun-02	Prepare Site	\$684.69	\$2,373.31	
Jul-02	Prepare Site	\$66.01	\$7.14	
Sep-01	Prepare Site	\$153.25	\$972.96	
		\$14,812.54	\$49,195.80	\$5,626.72

**Road & Bridge*

Total Cost for Site Preparation was \$69,635.06

Compost Project 2002



Windrows



Windrows

Costs for Compost Operation 2002

COMPOST PILOT PROJECT COSTS 2002					
Date	Description	Labor Costs	Equipment Costs	Detail Totals	Detail Grand Totals
May-02	Add Water	\$33.34	\$40.82	\$74.16	
Jul-02	Add Water	\$50.01	\$122.46	\$172.47	
Aug-02	Add Water	\$90.16	\$163.28	\$253.44	
Oct-02	Add Water	\$8.34	\$20.41	\$28.75	\$528.82
Apr-02	Miscellaneous	\$105.40	\$746.00	\$851.40	
May-02	Miscellaneous	\$219.88	\$701.78	\$921.66	
Jun-02	Miscellaneous	\$54.03	\$45.16	\$99.19	
Jul-02	Miscellaneous	\$954.19	\$1,903.93	\$2,858.12	
Aug-02	Miscellaneous	\$63.48	\$67.74	\$131.22	
Oct-02	Miscellaneous	\$108.45	\$120.04	\$228.49	
Jan-02	Xmas trees/Misc	\$108.05	\$112.90	\$220.95	\$5,311.03
Jul-02	Turn Windrows	\$21.61	\$22.58	\$44.19	
Aug-02	Turn Windrows	\$150.47	\$146.77	\$297.24	
Oct-02	Turn Windrows	\$70.31	\$79.03	\$149.34	\$490.77
Jul-02	Work Windrows	\$190.17	\$203.22	\$393.39	
Aug-02	Work Windrows	\$172.95	\$112.90	\$285.85	
Oct-02	Work Windrows	\$17.61	\$22.58	\$40.19	\$719.43
TOTAL		\$2,418.45	\$4,631.60	\$7,050.05	\$7,050.05

Compost Project 2003



Costs for Compost Operation 2003

COMPOST PILOT PROJECT COSTS 2003					
Date	Description	Labor Costs	Equipment Costs	Detail Totals	Detail Grand Totals
Apr-03	Add Water	\$59.85	\$107.68	\$167.53	
May-03	Add Water	\$72.45	\$112.26	\$184.71	
Jun-03	Add Water	\$11.15	\$20.41	\$31.56	
Jul-03	Add Water	\$89.16	\$163.28	\$252.44	
Aug-03	Add Water	\$92.12	\$171.41	\$263.53	
Sep-03	Add Water	\$79.96	\$183.69	\$263.65	\$1,163.42
Mar-03	Miscellaneous	\$137.64	\$112.90	\$250.54	
Apr-03	Miscellaneous	\$222.91	\$266.53	\$489.44	
May-03	Miscellaneous	\$289.79	\$193.78	\$483.57	
Jun-03	Miscellaneous	\$966.76	\$859.18	\$1,825.94	\$3,049.49
Apr-03	Turn Windrows	\$156.03	\$158.06	\$314.09	
May-03	Turn Windrows	\$117.02	\$101.61	\$218.63	
Jun-03	Turn Windrows	\$111.45	\$112.90	\$224.35	
Jul-03	Turn Windrows	\$154.91	\$158.06	\$312.97	
Aug-03	Turn Windrows	\$273.59	\$214.51	\$488.10	
Sep-03	Turn Windrows	\$171.26	\$180.64	\$351.90	\$1,910.04
Apr-03	Work Windrows	\$66.87	\$67.74	\$134.61	
May-03	Work Windrows	\$284.20	\$225.80	\$510.00	
Jun-03	Work Windrows	\$156.03	\$158.06	\$314.09	
Jul-03	Work Windrows	\$44.58	\$45.16	\$89.74	
Aug-03	Work Windrows	\$197.10	\$281.94	\$479.04	
Sep-03	Work Windrows	\$64.83	\$67.74	\$132.57	\$1,660.05
TOTAL		\$3,819.66	\$3,963.34	\$7,783.00	\$7,783.00

Compost Project 2004



Resurfacing the pad



A work in progress

Costs for Compost Operation 2004

COMPOST PILOT PROJECT COSTS 2004					
Date	Description	Labor Costs	Equip Costs	Detail Totals	Detail Grand Totals
Apr-04	Add Water	\$346.71	\$270.36	\$617.07	
May-04	Add Water	\$135.90	\$200.58	\$336.48	
Jun-04	Add Water	\$151.69	\$140.68	\$292.37	
Jul-04	Add Water	\$0.00	\$0.00	\$0.00	
Aug-04	Add Water	\$0.00	\$0.00	\$0.00	
Sep-04	Add Water	\$45.30	\$66.86	\$112.16	
Oct-04	Add Water	\$16.41	\$33.43	\$49.84	\$1,407.92
Apr-04	Miscellaneous	\$324.06	\$236.93	\$560.99	
May-04	Miscellaneous	\$32.89	\$33.87	\$66.76	
Jun-04	Miscellaneous	\$129.04	\$107.25	\$236.29	
Jul-04	Miscellaneous	\$108.94	\$95.96	\$204.90	
Aug-04	Miscellaneous	\$71.16	\$79.03	\$150.19	
Sep-04	Miscellaneous	\$38.88	\$56.46	\$95.34	
Oct-04	Miscellaneous	\$168.72	\$160.46	\$329.18	\$1,643.65
Aug-04	General Clean Up	\$8.82	\$0.00	\$8.82	\$8.82
Apr-04	Turn Windrows	\$113.25	\$214.20	\$327.45	
May-04	Turn Windrows	\$90.60	\$90.32	\$180.92	
Jun-04	Turn Windrows	\$113.25	\$214.20	\$327.45	
Jul-04	Turn Windrows	\$0.00	\$0.00	\$0.00	
Aug-04	Turn Windrows	\$0.00	\$0.00	\$0.00	
Sep-04	Turn Windrows	\$79.27	\$149.94	\$229.21	
Oct-04	Turn Windrows	\$0.00	\$0.00	\$0.00	\$1,065.03
Apr-04	Work Windrows	\$22.65	\$22.58	\$45.23	
May-04	Work Windrows	\$249.15	\$248.38	\$497.53	
Jun-04	Work Windrows	\$22.65	\$22.58	\$45.23	
Jul-04	Work Windrows	\$0.00	\$0.00	\$0.00	
Aug-04	Work Windrows	\$0.00	\$0.00	\$0.00	
Sep-04	Work Windrows	\$0.00	\$0.00	\$0.00	
Oct-04	Work Windrows	\$98.46	\$257.04	\$355.50	\$943.49
TOTAL		\$2,367.80	\$2,701.11	\$5,068.91	\$5,068.91

Compost Pad 2004

With the help of the Road and Bridge Department, we were able to re-surface 50% of the compost pad in 2004. The cost for labor, equipment and materials came to \$12,063.35. The remainder will be completed in the spring of 2005.



ADD WATER

Date	Description	Labor Costs	Equipment Costs	Material Costs
May-02	Add Water	\$33.34	\$40.82	
Jul-02	Add Water	\$50.01	\$122.46	
Aug-02	Add Water	\$90.16	\$163.28	
Oct-02	Add Water	\$8.34	\$20.41	
Apr-03	Add Water	\$59.85	\$107.68	
May-03	Add Water	\$72.45	\$112.26	
Jun-03	Add Water	\$11.15	\$20.41	
Jul-03	Add Water	\$89.16	\$163.28	
Aug-03	Add Water	\$92.12	\$171.41	
Sep-03	Add Water	\$79.96	\$183.69	
Apr-04	Add Water	\$346.71	\$270.36	
May-04	Add Water	\$135.90	\$200.58	
Jun-04	Add Water	\$151.69	\$140.68	
Jul-04	Add Water	\$0.00	\$0.00	
Aug-04	Add Water	\$0.00	\$0.00	
Sep-04	Add Water	\$45.30	\$66.86	
Oct-04	Add Water	\$16.41	\$33.43	
		\$1,282.55	\$1,817.61	\$0.00



MISCELLANEOUS				
Date	Description	Labor Costs	Equipment Costs	Material Costs
Jan-02	Xmas trees/Misc	\$108.05	\$112.90	
Apr-02	Miscellaneous	\$105.40	\$746.00	
May-02	Miscellaneous	\$219.88	\$701.78	
Jun-02	Miscellaneous	\$54.03	\$45.16	
Jul-02	Miscellaneous	\$954.19	\$1,903.93	
Aug-02	Miscellaneous	\$63.48	\$67.74	
Oct-02	Miscellaneous	\$108.45	\$120.04	
Mar-03	Miscellaneous	\$137.64	\$112.90	
Apr-03	Miscellaneous	\$222.91	\$266.53	
May-03	Miscellaneous	\$289.79	\$193.78	
Jun-03	Miscellaneous	\$966.76	\$859.18	
Apr-04	Miscellaneous	\$324.06	\$236.93	
May-04	Miscellaneous	\$32.89	\$33.87	
Jun-04	Miscellaneous	\$129.04	\$107.25	
Jul-04	Miscellaneous	\$108.94	\$95.96	
Aug-04	Miscellaneous	\$71.16	\$79.03	
Sep-04	Miscellaneous	\$38.88	\$56.46	
Oct-04	Miscellaneous	\$168.72	\$160.46	
		\$4,104.27	\$5,899.90	\$0.00

GENERAL CLEAN UP				
Date	Description	Labor Costs	Equipment Costs	Material Costs
Aug-04	General Clean Up	\$8.82	\$0.00	
		\$8.82	\$0.00	\$0.00

TURN WINDROWS

Date	Description	Labor Costs	Equipment Costs	Material Costs
Jul-02	Turn Windrows	\$21.61	\$22.58	
Aug-02	Turn Windrows	\$150.47	\$146.77	
Oct-02	Turn Windrows	\$70.31	\$79.03	
Apr-03	Turn Windrows	\$156.03	\$158.06	
May-03	Turn Windrows	\$117.02	\$101.61	
Jun-03	Turn Windrows	\$111.45	\$112.90	
Jul-03	Turn Windrows	\$154.91	\$158.06	
Aug-03	Turn Windrows	\$273.59	\$214.51	
Sep-03	Turn Windrows	\$171.26	\$180.64	
Apr-04	Turn Windrows	\$113.25	\$214.20	
May-04	Turn Windrows	\$90.60	\$90.32	
Jun-04	Turn Windrows	\$113.25	\$214.20	
Jul-04	Turn Windrows	\$0.00	\$0.00	
Aug-04	Turn Windrows	\$0.00	\$0.00	
Sep-04	Turn Windrows	\$79.27	\$149.94	
Oct-04	Turn Windrows	\$0.00	\$0.00	
		\$1,623.02	\$1,842.82	\$0.00

WORK WINDROWS

Date	Description	Labor Costs	Equipment Costs	Material Costs
Jul-02	Work Windrows	\$190.17	\$203.22	
Aug-02	Work Windrows	\$172.95	\$112.90	
Oct-02	Work Windrows	\$17.61	\$22.58	
Apr-03	Work Windrows	\$66.87	\$67.74	
May-03	Work Windrows	\$284.20	\$225.80	
Jun-03	Work Windrows	\$156.03	\$158.06	
Jul-03	Work Windrows	\$44.58	\$45.16	
Aug-03	Work Windrows	\$197.10	\$281.94	
Sep-03	Work Windrows	\$64.83	\$67.74	
Apr-04	Work Windrows	\$22.65	\$22.58	
May-04	Work Windrows	\$249.15	\$248.38	
Jun-04	Work Windrows	\$22.65	\$22.58	
Jul-04	Work Windrows	\$0.00	\$0.00	
Aug-04	Work Windrows	\$0.00	\$0.00	
Sep-04	Work Windrows	\$0.00	\$0.00	
Oct-04	Work Windrows	\$98.46	\$257.04	
		\$1,587.25	\$1,735.72	

Grand Totals

Description	Labor Costs	Equipment Costs	Material Costs	Total Costs
Total Site Preparation	\$14,812.54	\$49,195.80	\$5,626.72	\$69,635.06
Totals Per Cost	\$8,605.91	\$11,296.05	\$0.00	\$19,901.96
Total Invoices		\$967.50		\$967.50
Resurfacing Cost	\$1,276.27	\$2,568.13	\$8,596.45	\$12,440.85
Business Air Compliance Fine				-\$37,500.00
Grand Totals	\$24,694.72	\$64,027.48	\$14,223.17	\$65,445.37
		\$65,445.37		

Cost Per Ton \$65,445 including Initial Site Preparation divided by 1,993 tons = \$32.84 per ton

Description	Labor Costs	Equipment Costs	Material Costs	Total Costs
Totals Per Cost	\$8,605.91	\$11,296.05	\$0.00	\$19,901.96
Total Invoices		\$967.50		\$967.50
Grand Totals	\$8,605.91	\$12,263.55	\$0.00	\$20,869.46
		\$20,869.46		

Cost Per Ton \$20,869 excluding Initial Site Preparation divided by 1,993 tons = \$10.48 per ton

Compost Pilot Project Invoices

Date	Vendor Name	Description	Total Invoice
11/1/01	Idaho Power	Place Power Poles	\$9,050.00
11/1/01	Roger Siez	Consultant	\$840.46
11/21/01	Bio Cycle	Composting Books	\$94.00
TOTAL	To Prepare the New Compost Pad		\$9,984.46

*5/1/2003	Energy Laboratories	Compost Testing	\$92.20
5/14/03	Litho Printing	Demo Brochures	\$568.00
6/5/03	Car Quest	Power Belts	\$7.30
*4/4/2004	Soil Control Lab	Chemical Analysis Compost	\$300.00
TOTAL	Lab Testing and Miscellaneous Charges		\$967.50

GRAND TOTAL		\$10,951.96
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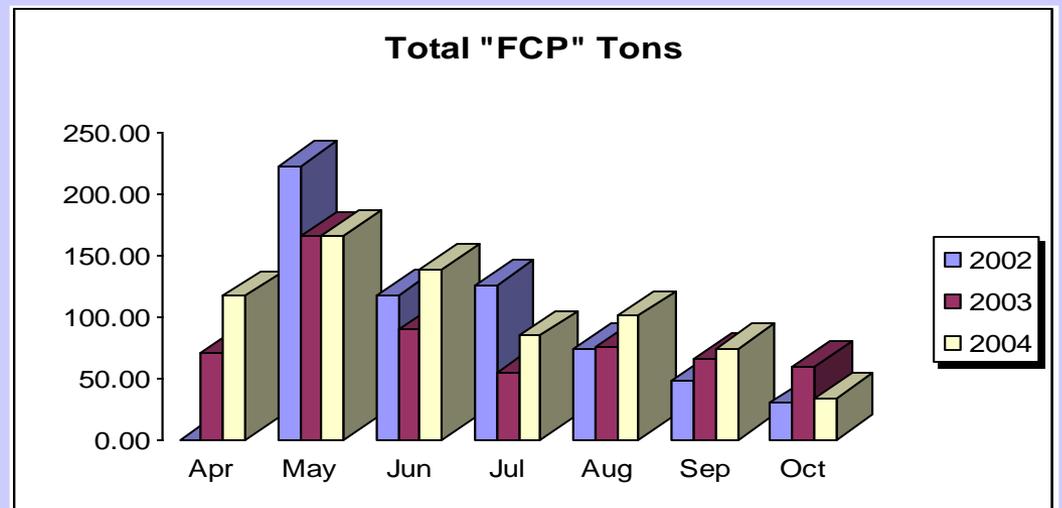
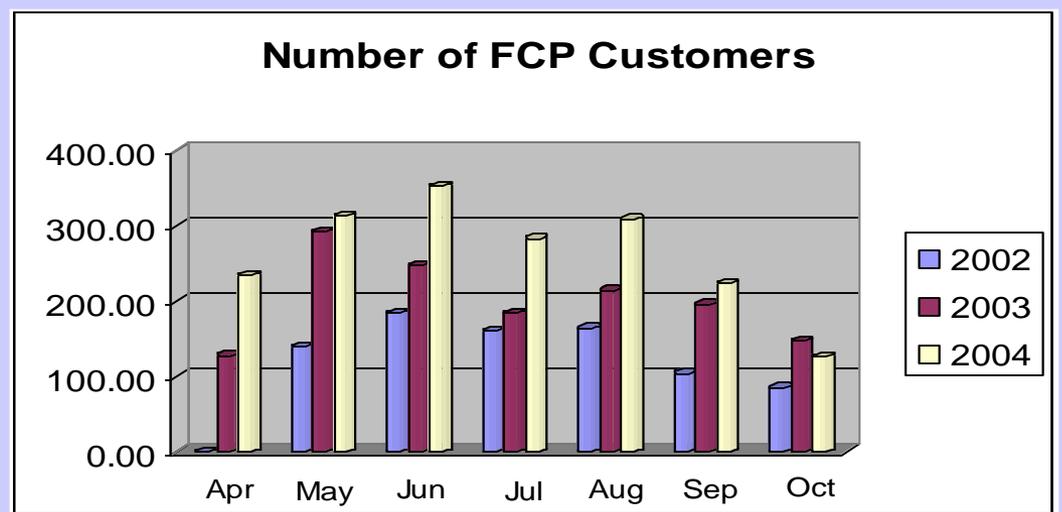
**Paid for by the City of Pocatello*

FCP Customers & Total FCP Tons

Month	# Customers	# FCP Tons
Apr-02	0.00	0.00
May-02	139	223.13
Jun-02	184	117.58
Jul-02	161	125.73
Aug-02	164	73.72
Sep-02	104	47.52
Oct-02	85	29.35
TOTALS	837	617.03

Apr-03	128	70.43
May-03	292	165.66
Jun-03	247	89.25
Jul-03	184	54.08
Aug-03	214	75.34
Sep-03	196	65.51
Oct-03	148	59.55
TOTALS	1281	579.82

Apr-04	234	116.77
May-04	313	165.89
Jun-04	352	139.29
Jul-04	283	84.29
Aug-04	309	100.80
Sep-04	223	73.45
Oct-04	127	33.70
TOTALS	1607	714.19



Total Tons FY02 – FY04

FY Year	Household Waste	Cover-A	Total - A Asbestos				Free Compost	Dead Animals	Cover - B	Total - B incl cover	Total - A&B excluding cover	
			incl cover	- In/Out Co	Constr Demo	Compost						
2002	61467.51	24995.00	86462.51	246.20	16479.21	587.36	587.68	121.60	18022.05	13616.00	31638.05	79489.56
2003	57778.23	20344.00	78122.23	309.06	17184.81	260.22	499.16	100.69	18353.94	7620.00	25973.94	76132.17
2004	66207.90	22152.00	88359.90	119.00	18537.68	263.49	820.36	92.90	19833.43	9396.29	29229.72	86041.33



Final Thoughts

The City of Pocatello and Bannock County have been utilizing the finished product in many of their landscaping projects.

The City of Pocatello utilized 44 tons of the compost while planting the new trees for the Downtown Reinvestment Project.

The Bannock County Fairgrounds utilized the compost for many of their landscaping needs. The County Courthouse utilized the compost as winter cover for their landscaped areas. The Landfill has utilized several tons of the compost as erosion control.

In the future...

We would like to encourage the City of Chubbuck to partner with Bannock County and the City of Pocatello. We hope to market the compost this summer to help offset the production costs. We are exploring the idea of stock-piling tree branches to be chipped and sold as mulch to further reduce the amount of solid waste going into the landfill. Recently, we have begun discussing further collection options to make disposal of compostable material more accessible for the residents of Pocatello and Bannock County.

The compost pilot project was recognized by the Association of Idaho Cities with a 2004 City Achievement Award. This project has proven to be an asset for the residents of Bannock County. We encourage the respective elected officials to continue to support the project as there is still much to be accomplished. The efforts made today will reduce the amount of landfill space necessary in the future.