

**State of Alaska  
FY2006 Governor's Operating Budget**

**Department of Environmental Conservation  
Solid Waste Management  
Component Budget Summary**

**Component: Solid Waste Management**

**Contribution to Department's Mission**

Environmental protection by requiring appropriate management of Alaska's landfills and safe pesticide use.

**Core Services**

- Review and approve permit applications including plans for operations, monitoring, management, construction, and closure; issue permits for solid waste treatment and disposal facilities; and review monitoring results.
- Inspect landfills to verify their compliance with permit requirements and state solid waste regulations.
- Monitor closed landfill sites.
- Train and certify pesticide applicators.
- Register and monitor the sale, use, and storage of pesticides.
- Issue and monitor pesticide permits.

End Results	Strategies to Achieve Results
<p><b>A: Landfills are not a source of pollution.</b></p> <p><u>Target #1:</u> 100% of Class I and II municipal landfills, regulated industry landfills, and storage/transfer areas are properly located, authorized/permitted, and operating landfills.</p> <p><u>Measure #1:</u> % of Class I and II municipal landfills, industrial landfills and storage/transfer areas that are properly located, authorized/permitted and operating landfills.</p>	<p><b>A1: Establish protective standards for Solid Waste.</b></p> <p><u>Target #1:</u> Legislation is submitted and regulations are revised, adopted and implemented by FY2007.</p> <p><u>Measure #1:</u> % of solid waste regulations and standards complete.</p> <p><b>A2: Issue Solid Waste permits timely.</b></p> <p><u>Target #1:</u> 90% of permits are processed within 180 days of receiving complete application.</p> <p><u>Measure #1:</u> % of permits processed within 180 days of receiving complete application.</p> <p><b>A3: Strengthen Solid Waste Program enforcement.</b></p> <p><u>Target #1:</u> Implement enforcement program for Solid Waste by FY2008.</p> <p><u>Measure #1:</u> % of enforcement program implemented for Solid Waste.</p>

**Major Activities to Advance Strategies**

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| <ul style="list-style-type: none"> <li>• Initiate development and testing of a landfill location risk-based model.</li> <li>• Evaluate, revise and start implementation of a risk-based statewide inspection and compliance plan.</li> <li>• Design a self-audit program for landfill owners based on different risk levels.</li> <li>• Inspect landfills based on level of risk.</li> </ul> | <ul style="list-style-type: none"> <li>• Inspect for non-compliance of pesticide regulations.</li> <li>• Process pesticide application permits.</li> <li>• Provide technical assistance to and inspect schools relating to pesticide use.</li> <li>• Register pesticides for sale, distribution and use in the state.</li> </ul> |
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**FY2006 Resources Allocated to Achieve Results**

**FY2006 Component Budget: \$1,530,900**

**Personnel:**

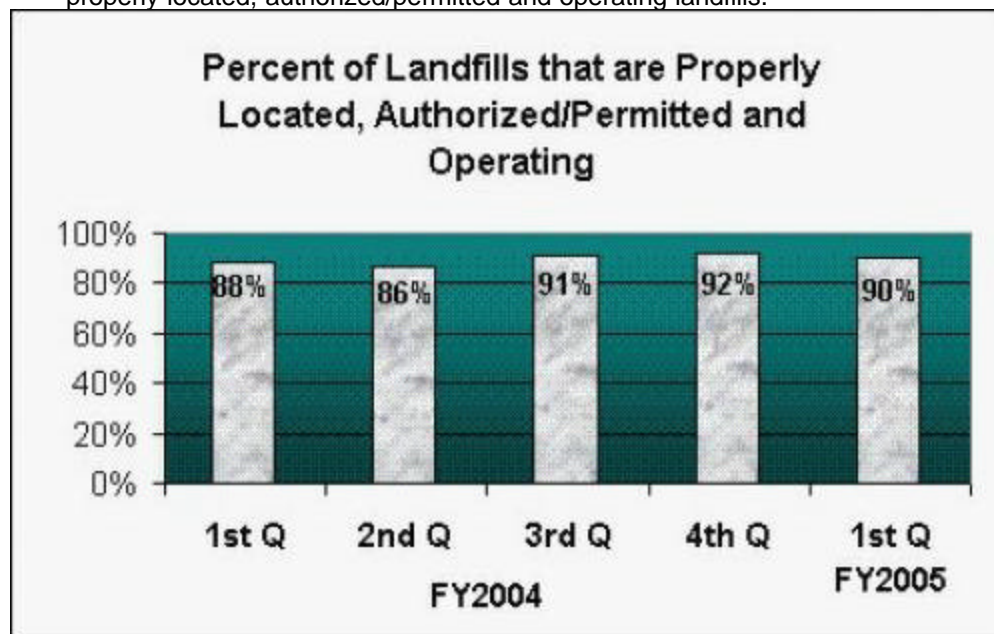
Full time	17
Part time	0
<b>Total</b>	<b>17</b>

**Performance Measure Detail**

**A: Result - Landfills are not a source of pollution.**

**Target #1:** 100% of Class I and II municipal landfills, regulated industry landfills, and storage/transfer areas are properly located, authorized/permited, and operating landfills.

**Measure #1:** % of Class I and II municipal landfills, industrial landfills and storage/transfer areas that are properly located, authorized/permited and operating landfills.



**% of Class I and Class II municipal landfills, regulated industry landfill, and storage transfer areas are properly located, authorized/permited and operating landfills.**

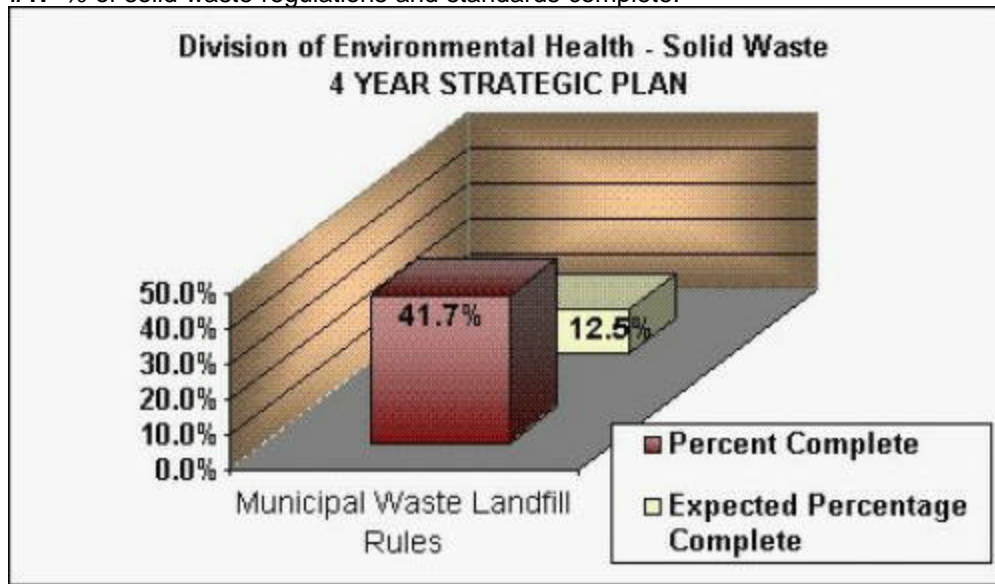
Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD
2002	0	0	0	0	84%
2003	0	0	0	0	85%
2004	88%	86%	91%	92%	92%
2005	90%	0	0	0	90%

**Analysis of results and challenges:** The Solid Waste Program oversees permitting municipal landfills receiving over 5 tons of waste per day (Class I and Class II landfills) and industrial activities that require permitting. The program tracks the number of Class I, Class II, and industrial permits and the number of facilities requiring permits. All of the facilities required to be permitted are either permitted or in the process of obtaining new permits or renewing the necessary permit. During this quarter the program issued notices of violation to a Class I landfill and an unpermitted Class III landfill. Both actions are ongoing.

**A1: Strategy - Establish protective standards for Solid Waste.**

**Target #1:** Legislation is submitted and regulations are revised, adopted and implemented by FY2007.

**Measure #1:** % of solid waste regulations and standards complete.



**Percent of Solid Waste Regulations and Standards Complete.**

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD
2004	8.3%	16.7%	25.0%	33.3%	
2005	41.7%	0	0	0	

**Analysis of results and challenges:** The Solid Waste Program effectively manages waste disposal for larger communities through Class I and Class II permits. In the current permitting system, small communities producing less than 5 tons of municipal solid waste per day are required to have Class III permit. Only 25% of the Class III communities have permitted landfills and the department is changing the structure of the Solid Waste Program to improve the number of authorized Class III landfills by developing a process and procedures for governing prior authorization of Class III landfills and revising the solid waste regulations.

Location specific data is being developed for Class III landfills that, based on these criteria, will allow a community evaluate if they qualify for the prior authorization landfill permit program. The location calculator, linked to landfill design criteria and operational parameters that are specific to the landfill location, will be used to make the evaluation and qualify for DEC prior authorization of the landfill. A similar approach is also under development for some types of industrial activities (construction debris).

Statutory changes are necessary to give DEC the authority to have the ability to prior authorize a disposal action rather than require site-specific or action specific permits. The statute changes were successfully passed in 2004. The proof of concept location calculator for Class III landfills is completed and is scheduled for web-design application in FY 2006. Development of the design criteria and operational parameters has started and will be ready for linking to the location calculator in FY2006. Regulation revisions are underway and expected to be complete by the end of FY2007.

**A2: Strategy - Issue Solid Waste permits timely.**

**Target #1:** 90% of permits are processed within 180 days of receiving complete application.

**Measure #1:** % of permits processed within 180 days of receiving complete application.

**Percent of Permits Processed within 180 Days of Receiving Complete Application.**

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD
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**Analysis of results and challenges:** Tracking the time to process a Class I, Class II, and industrial permit is a new measure for the Solid Waste Program. This information will provide a measurement of the adequacy of

permit applications submitted to the program and how effectively the program processes permit applications. The program must develop policy and tracking mechanisms for managing incomplete permit applications, the date of permit application, and the final approval and disapproval of the permit. The policy and tracking mechanisms are under development and will be in place and providing data by the 3rd quarter of FY2005.

**A3: Strategy - Strengthen Solid Waste Program enforcement.**

**Target #1:** Implement enforcement program for Solid Waste by FY2008.

**Measure #1:** % of enforcement program implemented for Solid Waste.



**Percent of Enforcement Program Implemented for Solid Waste.**

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD
2005	8.3%	0	0	0	

**Analysis of results and challenges:** The Solid Waste Program is undergoing major restructuring of the permitting process and development of "prior authorization" procedure for municipal and industrial landfills. With these revisions and new structures the Solid Waste Program will evaluate non-compliance with landfill permitting and prior authorization to determine the appropriate level and type of enforcement for violations of the revised solid waste regulations. Analysis of problems related to enforcement will be ongoing with development of new regulations and will be the basis for development of a solid waste enforcement plan. The enforcement plan will outline the rational and steps to be taken for different violations based on the type of permit or prior authorization of the landfill.

**Key Component Challenges**

Non-compliance of solid waste regulations, particularly at small communities, continues to pose risks to public health and to the air, water, lands, and subsurface lands of the state. To resolve these problems the program is shifting from the standard permit type program to a risk-based approach. This will link the high, medium, low levels of risk of a landfill location to the appropriate department permit or prior approval. Although needed statutory changes have been made, this significant shift in program philosophy still requires a major regulation revision and re-structuring of workloads based on risks posed from landfill location. As part of this philosophical shift and to streamline and enhance program performance, the program will develop new application forms, best management practices for Class III and some industrial landfills, self-audit programs, and other tools that relate to the various risk levels. During development of the risk-based strategies the program will continue to maintain the current permit program, inspections and on-site technical assistance to ensure adequate protection of public health and the environment from impacts of improper solid waste management.

## Significant Changes in Results to be Delivered in FY2006

In response to the reduction of the Solid Waste program budget and as directed by the Legislature, the Solid Waste program initiated a comprehensive review of the Class III regulatory program. The intent of the review was to minimize program involvement with Class III landfills. Changes to the Class III program are underway and will begin to be implemented in FY2006. Statutory changes made in FY2004 will allow much of the Class III program to be regulated by prior authorization and Best Management Practices, thereby minimizing the direct involvement of program staff. In anticipation of these changes, guidelines have been established that will prioritize future field efforts for municipal landfills as follows: Class I, Class II, and Class III (greater than 200 people). Communities of less than 200 people will be subject to the regulations and guided by Best Management Practices, but will receive no direct regulatory oversight.

## Major Component Accomplishments in 2004

Obtained changes to Alaska Statute 46 that were needed to shift from a standard permit type program to a risk-based approach.

Initiated development of a Landfill Location Criteria Calculator to provide communities the ability for risk-based self-evaluation of Class III landfills based on specific characteristics on the landfill location.

Initiated the development of new management tools to enable communities to reduce the environmental risk of Class III landfills through specified operational practices and design characteristics.

## Statutory and Regulatory Authority

AS 44.46.020, AS 44.46.025, AS 46.03.100-120, AS 46.06.021, 18 AAC 15, 18 AAC 60

Contact Information
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### Solid Waste Management Component Financial Summary

*All dollars shown in thousands*

	FY2004 Actuals	FY2005 Management Plan	FY2006 Governor
<b>Non-Formula Program:</b>			
<b>Component Expenditures:</b>			
71000 Personal Services	808.1	1,194.4	1,237.2
72000 Travel	53.1	63.4	63.4
73000 Services	145.3	206.1	206.1
74000 Commodities	27.9	23.7	23.7
75000 Capital Outlay	10.7	0.5	0.5
77000 Grants, Benefits	0.0	0.0	0.0
78000 Miscellaneous	0.0	0.0	0.0
<b>Expenditure Totals</b>	<b>1,045.1</b>	<b>1,488.1</b>	<b>1,530.9</b>
<b>Funding Sources:</b>			
1002 Federal Receipts	18.0	291.6	299.9
1003 General Fund Match	0.0	70.8	72.8
1004 General Fund Receipts	844.0	955.3	983.4
1005 General Fund/Program Receipts	169.5	170.4	174.8
1007 Inter-Agency Receipts	13.6	0.0	0.0
<b>Funding Totals</b>	<b>1,045.1</b>	<b>1,488.1</b>	<b>1,530.9</b>

### Estimated Revenue Collections

Description	Master Revenue Account	FY2004 Actuals	FY2005 Management Plan	FY2006 Governor
<b>Unrestricted Revenues</b>				
None.		0.0	0.0	0.0
<b>Unrestricted Total</b>		<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Restricted Revenues</b>				
Federal Receipts	51010	18.0	291.6	307.9
Interagency Receipts	51015	13.6	0.0	0.0
General Fund Program Receipts	51060	169.5	170.4	179.5
<b>Restricted Total</b>		<b>201.1</b>	<b>462.0</b>	<b>487.4</b>
<b>Total Estimated Revenues</b>		<b>201.1</b>	<b>462.0</b>	<b>487.4</b>

**Summary of Component Budget Changes  
From FY2005 Management Plan to FY2006 Governor**

*All dollars shown in thousands*

	<u>General Funds</u>	<u>Federal Funds</u>	<u>Other Funds</u>	<u>Total Funds</u>
<b>FY2005 Management Plan</b>	<b>1,196.5</b>	<b>291.6</b>	<b>0.0</b>	<b>1,488.1</b>
<b>Adjustments which will continue current level of service:</b>				
-FY 05 Bargaining Unit Contract Terms: GGU	7.9	1.8	0.0	9.7
-FY06 Cost Increases for Bargaining Units and Non-Covered Employees	26.6	5.9	0.0	32.5
-Adjustments for Personal Services Working Reserve Rates and SBS	0.0	0.6	0.0	0.6
<b>FY2006 Governor</b>	<b>1,231.0</b>	<b>299.9</b>	<b>0.0</b>	<b>1,530.9</b>



**Solid Waste Management  
Personal Services Information**

Authorized Positions		Personal Services Costs		
	<u>FY2005</u> <u>Management</u> <u>Plan</u>	<u>FY2006</u> <u>Governor</u>		
Full-time	17	17	Annual Salaries	880,692
Part-time	0	0	COLA	13,259
Nonpermanent	0	0	Premium Pay	0
			Annual Benefits	426,892
			<i>Less 2.99% Vacancy Factor</i>	(39,443)
			Lump Sum Premium Pay	0
<b>Totals</b>	<b>17</b>	<b>17</b>	<b>Total Personal Services</b>	<b>1,281,400</b>

**Position Classification Summary**

Job Class Title	Anchorage	Fairbanks	Juneau	Others	Total
Analyst/Programmer IV	1	0	0	0	1
Environ Conserv Mgr III	1	0	0	0	1
Environmental Spec I	1	0	0	0	1
Environmental Spec II	0	1	1	2	4
Environmental Spec III	2	1	1	2	6
Environmental Spec IV	1	1	0	0	2
Environmental Tech II	0	0	0	1	1
Research Analyst II	0	0	1	0	1
<b>Totals</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>5</b>	<b>17</b>