

# **State of Alaska FY2009 Governor's Operating Budget**

## **Department of Environmental Conservation Prevention and Emergency Response Component Budget Summary**

**Component: Prevention and Emergency Response**

**Contribution to Department's Mission**

Protect public safety, public health and the environment by preventing and mitigating the effects of oil and hazardous substance releases and ensuring their cleanup through government planning, preparedness and rapid response.

**Core Services**

- Lead the state's response and protect public and environmental resources from the effects of some 2,100 spills of oil and hazardous substances.
- Minimize the damage to public health and the environment by implementing the Incident Command System for large events.
- Oversee cleanup by the responsible party to ensure spills are cleaned up as quickly as possible.
- Intervene when spill response is inadequate.
- Integrate coastal and inland Alaska communities into a statewide response system through local response agreements.
- Provide equipment and training to local personnel and communities participating in the Alaska Spill Response Depot/Corps System.
- Prevent and reduce the occurrence of oil spills and hazardous substance releases from unregulated sources.
- Plan, develop and coordinate the statewide hazardous materials response team to protect public health and the environment from the effects of hazardous substance releases.
- Maintain the Federal/State Unified Plan and the ten Sub-area/Regional Contingency Plans for Alaska.
- Enforce statutes and regulations relating to oil and hazardous substance spill reporting, cleanup and restoration of the environment.

End Result	Strategies to Achieve End Result
<p><b>A: Risk from new spills of oil and hazardous substances by regulated and unregulated entities, is eliminated.</b></p> <p><u>Target #1:</u> No new spills result in long-term remediation.  <u>Measure #1:</u> % of spills needing long-term remediation.</p>	<p><b>A1: Clean up new oil and hazardous substance spills.</b></p> <p><u>Target #1:</u> 98% of new oil and hazardous substance spills are cleaned up or are in monitoring status.  <u>Measure #1:</u> % of new oil and hazardous substance spills that are cleaned or are in monitoring status.</p>

Major Activities to Advance Strategies
<ul style="list-style-type: none"> <li>• Ensure emergency response and removal of oil and hazardous substance releases.</li> <li>• Increase funding for full-time agency oil and hazardous substance prevention, response, and oversight of North Slope exploration and production.</li> <li>• Implement a Clean Marina/Fishing Vessel spill prevention pilot project and evaluate the project for statewide application.</li> </ul>

**FY2009 Resources Allocated to Achieve Results**

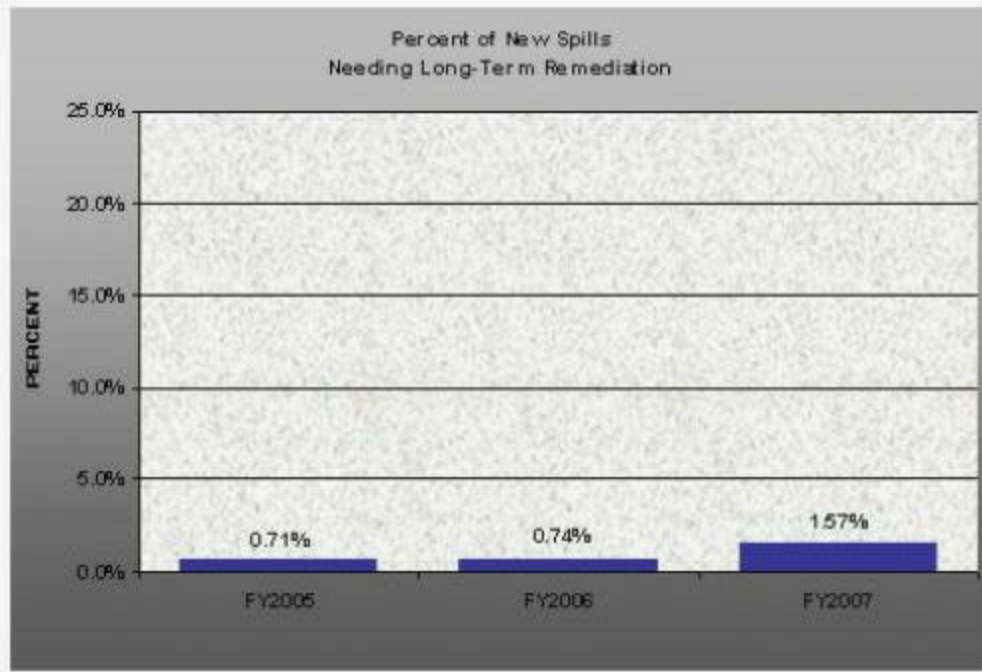
<b>FY2009 Component Budget: \$3,931,200</b>	<b>Personnel:</b>	
	Full time	36
	Part time	0
	<b>Total</b>	<b>36</b>

**Performance Measure Detail**

**A: Result - Risk from new spills of oil and hazardous substances by regulated and unregulated entities, is eliminated.**

**Target #1:** No new spills result in long-term remediation.

**Measure #1:** % of spills needing long-term remediation.



**Analysis of results and challenges:** The sooner a spill of oil or hazardous substances is contained and cleaned, the less impact it will have on the environment, on human health and on the economy. Our goal is to respond to, contain, and clean spills as they occur to prevent them from causing wide-spread damage to water sources, land, wildlife, and adjoining properties.

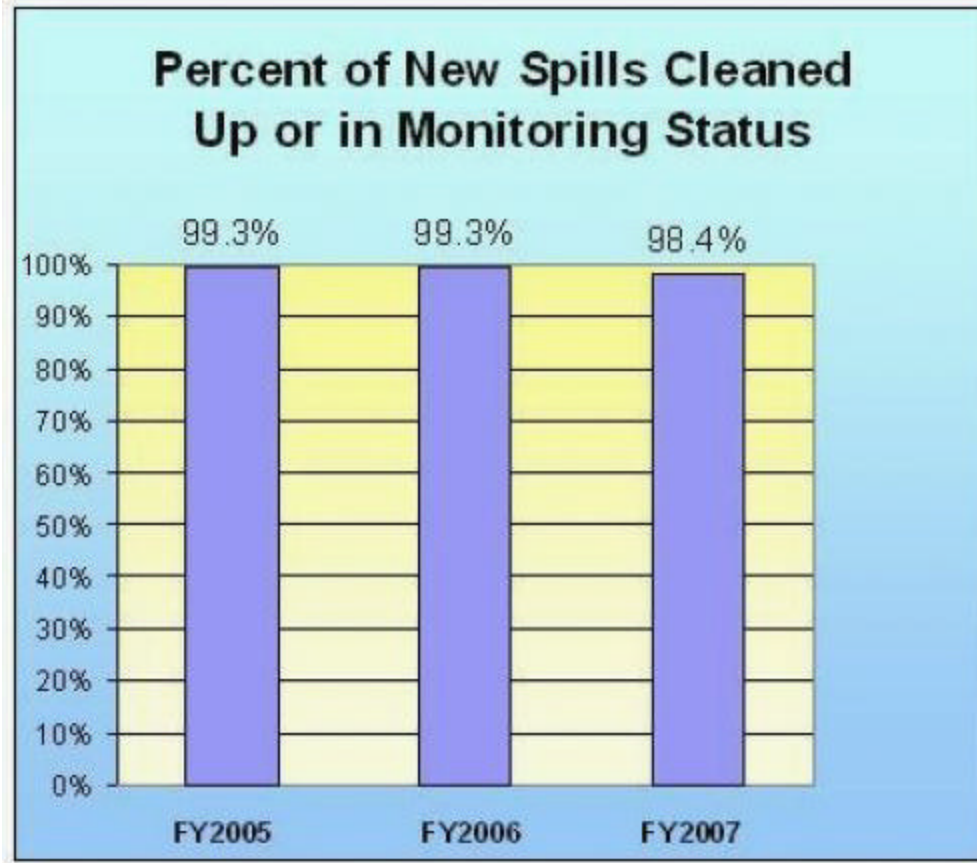
Only the largest and most complex new spills, for example, spills that impact ground water, are turned over to the contaminated sites program for long-term remediation.

Data indicates that 1.57% of new spills in FY07 will require long-term remediation. The increase of spills transferred to the Contaminated Sites Program is due to a backlog of data entry which resulted in subsequent case transfers in FY07. This group of sites has been transferred to the Contaminated Sites Program for long-term remediation.

**A1: Strategy - Clean up new oil and hazardous substance spills.**

**Target #1:** 98% of new oil and hazardous substance spills are cleaned up or are in monitoring status.

**Measure #1:** % of new oil and hazardous substance spills that are cleaned up or are in monitoring status.



**Analysis of results and challenges:** The sooner a spill of oil or hazardous substances is contained and cleaned, the less impact it will have on the environment, on human health and on the economy. Our goal is to respond to, contain, and clean spills as they occur to prevent them from causing wide-spread damage to water sources, land, wildlife, and adjoining properties.

When sites are in monitoring status, they have been cleaned to a point that allows continued use of the site. Frequently, this will include removing and storing contaminated soils, which are monitored during field visits until the contamination has declined to a level that meets acceptable state standards.

Only the largest and most complex new spills, for example, spills that impact ground water, are turned over to the contaminated sites program for long-term remediation.

The FY07 data indicates that 98.4% of new spills are contained cleaned up or in monitoring status.

**Key Component Challenges**

Initiation of a prevention project for unregulated vessels to decrease the number of oil and hazardous substance spills in marine and freshwater environments. During FY06 and FY07, eighty percent of all spills reported are from unregulated entities and ten percent of these spills are from unregulated vessels, at marinas or to the marine environment.

Initiation of an oil spill mitigation strategy for maritime transportation in the Bering Sea and the Aleutian Archipelago.

Statistically analyze spill data to identify spill causes and develop prevention strategies to reduce spills.

Enhance compliance inspections, spill prevention, response and preparedness coverage of the North Slope Oil exploration and production infrastructure. Based on a statewide ten-year average, 19% of the spills reported occur on the North Slope from oil exploration and production activities accounting for 35% of the quantity of oil and hazardous substances spilled.

Assess risks posed by vessels transiting Cook Inlet and the Aleutian Islands and mitigate high priority risks. This priority is underscored by recent maritime vessel casualties, which illustrate the ongoing risk posed to Alaska's resources. Clearly identifying the risks and developing effective measures to mitigate the risks is the primary objective of these two risk assessments.

## **Significant Changes in Results to be Delivered in FY2009**

No significant changes are anticipated.

## **Major Component Accomplishments in 2007**

- Initiated emergency responses to 32 significant spills statewide and continued to monitor ongoing cleanup and recovery activities.
- Managed and completed the State's response to the M/V Cougar Ace incident. The 654-foot car carrier developed an 80 degree list and began taking on water on July 24, 2006 in the Pacific Ocean. The vessel was carrying 4,813 vehicles from Japan to Vancouver B.C., in addition to 142,184 gallons of intermediate fuel oil and 34,182 gallons of marine diesel. An incident management team was established to manage the mobilization of numerous marine vessels for assistance and developed a plan to right the vessel. The M/V Cougar Ace was taken to Wide Bay as a Port of Refuge and taken to Portland, Oregon at a later date.
- Managed and completed the State's response to the Flow Station 2 oil transit line spill on the North Slope which began on August 6, 2006. Approximately 2,281 gallons of crude oil were released to the tundra. The spill was discovered when BPXA was shutting down the line in response to a smart pig operation. The pig data revealed 16 anomalies in 12 locations along this line associated with corrosion related pipeline wall thinning. For these reasons, BPXA shut down the Greater Prudhoe Bay oilfield, which is the largest oilfield in the United States, accounting for approximately 8 percent of the nation's domestic oil production.
- Initiated major responses requiring significant ramp-up during the year. The responses included including Kipnuk ruptured fuel line spill, Alaska Railroad Corporation engine tank spill, Milepost 81, Freight Barge Baranof Provider Fire, Aurora Energy turbine oil release, Empress of the North grounding, Tesoro fuel transfer line spill in Anchorage, F/V Exodus Explorer, Acres Kwik Trip in Valdez, F/V Tradition in Whittier and Sand Point abandon drums.
- Received a total of 2,196 spill reports and conducted field visits or phone follow-ups for 813 of these spills. Of the total spills reported, 446 after-hour calls requiring action were received from the Alaska State Trooper Dispatch Center.
- Managed 2,868 prior and new spill cleanups throughout the state. Removed the risk by cleaning up contaminants at sites and then closing or issuing "no further action" letters for 2,149 spills. Transferred 34 cases to the Contaminated Sites Program for long-term cleanup and monitoring and 5 cases to the Department of Law for enforcement action.
- Participated in 32 spill drills. Major drills included the Prince William Sound Tanker Drills-SeaRiver and BP Shipping, Alaska Shield Northern Edge 2007 Exercise, and the Alyeska Pipeline Service Company Trans-Alaska Pipeline Northern Edge 2007 Drill.
- Expanded and updated statewide emergency response team training. Additional DEC staff were trained, enrolled and added to the database bringing the total DEC responders to 117. Provided introductory Incident Command System (ICS) to the new recruits and advanced ICS, shoreline assessment and aerial observer training to existing members.
- Accessed and mobilized spill containment and recovery equipment from the state's response depots for 11 spills.
- Expanded the State's ability to respond to oil spills by participating in community response training using state equipment from depots located in Bethel, Kipnuk, Seldovia, Petersburg, Tenakee Springs, Sitka, Haines, Skagway and Yakutat. Developed a spill response training module that staff will conduct in communities with current agreements.
- Facilitated the activities of the Statewide Hazmat Response Workgroup. A major mass decontamination exercise was held in Anchorage, and participants included the major hospitals in Anchorage, several Hazmat teams, and the 103<sup>rd</sup> Civil Support Team. The workgroup also updated a list of Statewide Hazmat Detection Equipment.

- Updated the Department's Disaster Response Plan for natural disasters and terrorism. This plan establishes the policies and procedures used in assisting the Division of Homeland Security and Emergency Management in responding to natural disaster emergencies.
- Provided technical support and assistance to the Division of Homeland Security and Emergency Management to nine natural disaster emergencies, five of which received State Disaster Declarations.
- Completed Change 1 to the North Slope and Interior Sub-area Contingency Plans.
- Completed Geographic Response Strategies (GRS) surveys for Kodiak Island and Aleutian Island East B area. Strategies will be incorporated as Change 1 to the Sub-area plans.
- Finalized the Potential Places of Refuge (PPOR) section for Kodiak and incorporated, as part of Change 1 to the Sub-area plan. PPOR development is underway for Cook Inlet and the Aleutians.
- Negotiated a Memorandum of Agreement with U.S. Maritime Administrative Office (MARAD) to fund a study for a comprehensive risk assessment of oil spills in the Aleutian Islands. MARAD will coordinate with DEC and the U.S. Coast Guard funding sources and oversee the project from the National Academies-National Research Council, Transportation Research Board.
- Completed an update to the Vessel traffic study report for the Aleutian Sub-area.
- Completed the Alaska Commercial Fisheries Water Quality Sampling Methods and Procedures Manual which will be used in future marine spills to assess the potential contamination of commercial fishery resources and gear to meet the State's zero tolerance policy for oil or fuel contamination of food products sold for human consumption.
- Continued spill prevention efforts for home heating oil tanks through public education. Public service announcements aired on radio stations twenty-four times statewide to encourage homeowners to inspect fuel tanks and lines and correct problems. A homeowner tank inspection checklist flyer was designed and sent to distributors to provide to their customers.
- Secured funds to begin implementing strategies for a cooperative Clean Marina/Fishing Vessel Prevention pilot project with the Cook Inlet Regional Citizens' Advisory Council and local harbor masters.
- Completed a 10-year retrospective report presenting a summary of the highlights and accomplishments of the program from July 1, 1995 to June 30, 2005. This report can be viewed at: [http://www.dec.state.ak.us/spar/perp/docs/retrospective\\_final.pdf](http://www.dec.state.ak.us/spar/perp/docs/retrospective_final.pdf)

### Statutory and Regulatory Authority

AS 46.04, AS 46.08, AS 46.09, 18 AAC 75.

Contact Information
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**Prevention and Emergency Response  
Component Financial Summary**

*All dollars shown in thousands*

	<b>FY2007 Actuals</b>	<b>FY2008 Management Plan</b>	<b>FY2009 Governor</b>
<b>Non-Formula Program:</b>			
<b>Component Expenditures:</b>			
71000 Personal Services	3,030.4	3,014.4	3,166.7
72000 Travel	147.0	131.5	131.5
73000 Services	584.0	563.0	563.0
74000 Commodities	296.3	50.0	50.0
75000 Capital Outlay	32.4	20.0	20.0
77000 Grants, Benefits	0.0	0.0	0.0
78000 Miscellaneous	0.0	0.0	0.0
<b>Expenditure Totals</b>	<b>4,090.1</b>	<b>3,778.9</b>	<b>3,931.2</b>
<b>Funding Sources:</b>			
1007 Inter-Agency Receipts	63.3	0.0	0.0
1052 Oil/Hazardous Response Fund	4,026.8	3,778.9	3,931.2
<b>Funding Totals</b>	<b>4,090.1</b>	<b>3,778.9</b>	<b>3,931.2</b>

**Estimated Revenue Collections**

<b>Description</b>	<b>Master Revenue Account</b>	<b>FY2007 Actuals</b>	<b>FY2008 Management Plan</b>	<b>FY2009 Governor</b>
<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>				
Interagency Receipts	51015	63.3	0.0	0.0
<b>Restricted Total</b>		<b>63.3</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Estimated Revenues</b>		<b>63.3</b>	<b>0.0</b>	<b>0.0</b>

**Summary of Component Budget Changes  
From FY2008 Management Plan to FY2009 Governor**

*All dollars shown in thousands*

	<u>General Funds</u>	<u>Federal Funds</u>	<u>Other Funds</u>	<u>Total Funds</u>
<b>FY2008 Management Plan</b>	<b>0.0</b>	<b>0.0</b>	<b>3,778.9</b>	<b>3,778.9</b>
<b>Adjustments which will continue current level of service:</b>				
-FY 09 Bargaining Unit Contract Terms: General Government Unit	0.0	0.0	150.9	150.9
-FY 09 Bargaining Unit Contract Terms: Labor Trades and Crafts Unit	0.0	0.0	1.4	1.4
<b>FY2009 Governor</b>	<b>0.0</b>	<b>0.0</b>	<b>3,931.2</b>	<b>3,931.2</b>



**Prevention and Emergency Response  
Personal Services Information**

Authorized Positions		Personal Services Costs		
<u>FY2008</u>				
<u>Management</u>		<u>FY2009</u>		
<u>Plan</u>		<u>Governor</u>		
Full-time	36	36	Annual Salaries	2,076,940
Part-time	0	0	COLA	146,162
Nonpermanent	0	0	Premium Pay	6,772
			Annual Benefits	1,136,533
			<i>Less 5.93% Vacancy Factor</i>	(199,707)
			Lump Sum Premium Pay	0
<b>Totals</b>	<b>36</b>	<b>36</b>	<b>Total Personal Services</b>	<b>3,166,700</b>

**Position Classification Summary**

Job Class Title	Anchorage	Fairbanks	Juneau	Others	Total
Administrative Clerk III	0	1	0	0	1
Environ Program Manager I	0	1	1	1	3
Environ Program Manager III	1	0	0	0	1
Environ Program Spec I	0	0	1	0	1
Environ Program Spec II	2	1	0	2	5
Environ Program Spec III	6	4	5	4	19
Environ Program Spec IV	3	0	0	0	3
Environ Program Technician	1	0	1	0	2
Stock & Parts Svcs Journey II	1	0	0	0	1
<b>Totals</b>	<b>14</b>	<b>7</b>	<b>8</b>	<b>7</b>	<b>36</b>