

State of Alaska FY2002 Governor's Operating Budget

Department of Environmental Conservation
Air Quality
Component

Component: Air Quality

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Component Mission

Identify, prevent, abate, and control air pollution to protect public health and the environment in a cost-effective, accountable manner.

Component Services Provided

- Issue air quality permits to facilities that release potentially harmful pollutants, and assure compliance with permit conditions through inspections and monitoring.
- Work cooperatively with communities to reduce public health threats from carbon monoxide and breathable particulate pollution.
- Assess air quality to identify areas where air quality and visibility are at risk or below acceptable levels.
- Oversee radiological assessment activities at Amchitka Island.

Component Goals and Strategies

- 1) **MONITOR AMBIENT AIR FOR POLLUTANTS TO PROTECT PUBLIC HEALTH.**
 - Operate air pollution monitors at various locations statewide with a focus on carbon monoxide and particulate matter in Anchorage, Fairbanks, and Juneau.
 - Conduct special air monitoring studies for priority areas.
 - Determine if various locations in Alaska meet the new public health standard for fine particle air pollution.
 - Monitor air quality during natural and human-caused disasters to provide public health advisories.
 - Investigate air quality violations from suspected pollutant sources.
 - Provide, when possible, real-time ambient air quality data relevant to possible air quality violations.
 - Assess radiation contamination and evaluate risks posed by leakage of contaminants at Amchitka Island.
- 2) **RETAIN STATE PRIMACY.**
 - Implement an air quality permit program based on sound science and air quality principles.
 - Issue permits to facility operators, using general permits wherever appropriate.
 - Implement selected findings of air permitting benchmark study.
- 3) **IMPROVE AIR QUALITY AND AVOID SANCTIONS OF HIGHWAY FUNDS.**
 - Work cooperatively with communities to achieve attainment of air quality standards for carbon monoxide (Anchorage and Fairbanks) and particulate matter (Anchorage and Juneau).
 - Assess and modify control strategies in areas failing to meet the air quality health standards.
 - Ensure compliance with control strategies, including the vehicle inspection and oxygenated fuels program.
 - Develop and implement public awareness programs related to health standards and air quality control programs.
 - Assist local communities in developing and implementing their air quality education program.
 - Assess visibility in Alaska's Class I areas and develop strategies to correct any impairment.

Key Component Issues for FY2001 – 2002

Pollution from carbon monoxide continues to present problems for Anchorage and Fairbanks. Although Anchorage has attained the national clean air standards, violations can still occur. Fairbanks has difficulty meeting the standards. If either Fairbanks or Anchorage does not meet the national standards, EPA can sanction federal highway funds as early as April 2002. We will continue to work closely with EPA and with both communities to develop effective carbon monoxide control programs not only to avoid the loss of highway funds but also to protect public health.

Toxic air pollutants are a group of pollutants that are known or suspected to cause cancer and other serious health conditions such as birth defects. We will complete an assessment of toxic air pollution sources in Alaska and conduct a risk analysis to ascertain public health risks. If significant risks are apparent, we will develop and implement approaches in education, voluntary action or advisory measures to reduce these risks.

Major Component Accomplishments for FY2000

Developed revisions to the vehicle inspection and maintenance program to address Y2K issues and new federal requirements. These revisions made registrations of vehicles faster and easier. They also increased the department's ability to identify and track non-complying motorists. As a result, DEC was able to reduce tailpipe emissions.

Conducted phase I of a cold temperature, ambient carbon monoxide monitoring study in Fairbanks for use in developing an enhanced control plan.

Started the analyses of subsistence foods collected from the Aleutian communities during FY1999. They are to be analyzed for contaminants and nutrients. This is a critical step in evaluating the impacts of nuclear testing and military activities in the Aleutian Islands.

Issued 17 permits for the construction of new industrial facilities and modification to existing facilities. Issued 22 operating permits to industrial facilities and helped 8 operators avoid the need and cost of an operating permit.

Investigated 115 citizen air pollution complaints. Made 51 visits to permitted sites to help operators comply with air permits and resolved 55 compliance problems without the need for formal enforcement action.

Convened a workgroup to develop facts and resolve issues relating to air emissions of cruise ships. Established a joint air monitoring project in downtown Juneau with the cruise ship industry and concerned citizens to assess ambient levels of sulfur dioxide, nitrogen dioxide and particulate and their potential impact public health.

Statutory and Regulatory Authority

AS 46.03; AS 46.14; AS 44.43; AS 46.45; 18 AAC 50; 18 AAC 52; 18 AAC 53; Federal Clean Air Act

Air Quality
Component Financial Summary

All dollars in thousands

	FY2000 Actuals	FY2001 Authorized	FY2002 Governor
Non-Formula Program:			
Component Expenditures:			
71000 Personal Services	3,025.9	3,266.9	3,366.8
72000 Travel	179.4	222.2	227.3
73000 Contractual	2,742.7	1,181.5	1,198.3
74000 Supplies	94.6	119.8	121.8
75000 Equipment	203.1	135.6	136.0
76000 Land/Buildings	0.0	0.0	0.0
77000 Grants, Claims	0.0	0.0	0.0
78000 Miscellaneous	0.0	0.0	0.0
Expenditure Totals	6,245.7	4,926.0	5,050.2
Funding Sources:			
1002 Federal Receipts	1,408.8	1,620.6	1,623.6
1003 General Fund Match	933.7	865.9	880.5
1005 General Fund/Program Receipts	213.0	264.1	264.1
1007 Inter-Agency Receipts	1,945.8	0.0	0.0
1053 Investment Loss Trust Fund	0.0	18.9	0.0
1061 Capital Improvement Project Receipts	108.7	111.4	111.6
1093 Clean Air Protection Fund	1,635.7	2,044.9	2,170.4
1108 Statutory Designated Program Receipts	0.0	0.2	0.0
Funding Totals	6,245.7	4,926.0	5,050.2

Estimated Revenue Collections

Description	Master Revenue Account	FY2000 Actuals	FY2001 Authorized	FY2001 Cash Estimate	FY2002 Governor	FY2003 Forecast
Unrestricted Revenues						
Unrestricted Fund	68515	0.0	50.0	50.0	50.0	10.0
Unrestricted Total		0.0	50.0	50.0	50.0	10.0
Restricted Revenues						
Federal Receipts	51010	1,408.8	1,620.6	1,603.3	1,623.6	1,623.6
Interagency Receipts	51015	1,945.8	0.0	0.0	0.0	0.0
General Fund Program Receipts	51060	213.0	264.1	264.6	264.1	264.1
Statutory Designated Program Receipts	51063	0.0	0.2	0.2	0.0	0.0
Capital Improvement Project Receipts	51200	108.7	111.4	108.7	111.6	111.6
Clean Air Protection Fund	51207	1,635.7	2,044.9	1,925.4	2,170.4	2,170.4
Restricted Total		5,312.0	4,041.2	3,902.2	4,169.7	4,169.7
Total Estimated Revenues		5,312.0	4,091.2	3,952.2	4,219.7	4,179.7

Air Quality

Proposed Changes in Levels of Service for FY2002

As the department implements knowledge gained from air permitting benchmark study, services are expected to be enhanced from efficiency and scheduling perspective.

Summary of Component Budget Changes

From FY2001 Authorized to FY2002 Governor

All dollars in thousands

	<u>General Funds</u>	<u>Federal Funds</u>	<u>Other Funds</u>	<u>Total Funds</u>
FY2001 Authorized	1,148.9	1,620.6	2,156.5	4,926.0
Adjustments which will continue current level of service:				
-Transfer in Small Business Assistance Program from Statewide Public Services	0.0	0.0	120.8	120.8
-Convert Special FY2001 Labor Cost Fund Sources to GF	0.2	0.0	-0.2	0.0
-Year 2 Labor Costs - Net Change from FY2001	-4.5	3.0	4.9	3.4
FY2002 Governor	1,144.6	1,623.6	2,282.0	5,050.2

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Personal Services Information

Authorized Positions			Personal Services Costs	
	FY2001 Authorized	FY2002 Governor		
Full-time	51	52	Annual Salaries	2,712,164
Part-time	0	0	COLA	38,074
Nonpermanent	0	0	Premium Pay	1,901
			Annual Benefits	866,600
			<i>Less 6.96% Vacancy Factor</i>	<i>(251,939)</i>
			Lump Sum Premium Pay	0
Totals	51	52	Total Personal Services	3,366,800

Position Classification Summary

Job Class Title	Anchorage	Fairbanks	Juneau	Others	Total
Administrative Clerk II	1	0	2	0	3
Administrative Clerk III	0	0	1	0	1
Analyst/Programmer IV	1	0	0	0	1
Chemist II	1	0	0	0	1
Chemist IV	0	0	1	0	1
Env Eng Associate	3	3	4	0	10
Env Eng Associate II	2	1	2	0	5
Environ Conserv Mgr I	1	0	1	0	2
Environ Conserv Mgr II	0	0	1	0	1
Environ Conserv Mgr III	0	0	1	0	1
Environ Eng Asst I	1	0	1	0	2
Environ Eng Asst II	2	0	2	0	4
Environ Engineer I	0	1	2	0	3
Environ Engineer II	0	1	0	0	1
Environmental Spec I	1	1	0	0	2
Environmental Spec II	2	0	1	0	3
Environmental Spec III	4	1	2	0	7
Environmental Spec IV	1	0	1	0	2
Maint Spec Etronics Journey I	0	0	1	0	1
Prog Coordinator	1	0	0	0	1
Totals	21	8	23	0	52