

**2/04/11**

**OVERVIEW: LARRY  
HARTIG,  
COMMISSIONER,  
DEPARTMENT OF  
ENVIRONMENTAL  
CONSERVATION**

<TARGET><BILL></BILL><SUBJECT>2-04-11 OVERVIEW LARRY  
HARTIG, COMMISSIONER, DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION</SUBJECT><COMM>SRES27</COMM></TARGET>



Official Business

## Senate Resources Committee

Senator Joe Paskvan, Co-Chair  
Room #115: 465-4907

Senator Tom Wagoner, Co-Chair  
Room #427: 465-3792

Members:

Senator Bill Wielechowski, Vice-Chair  
Senator Hollis French  
Senator Bert Stedman

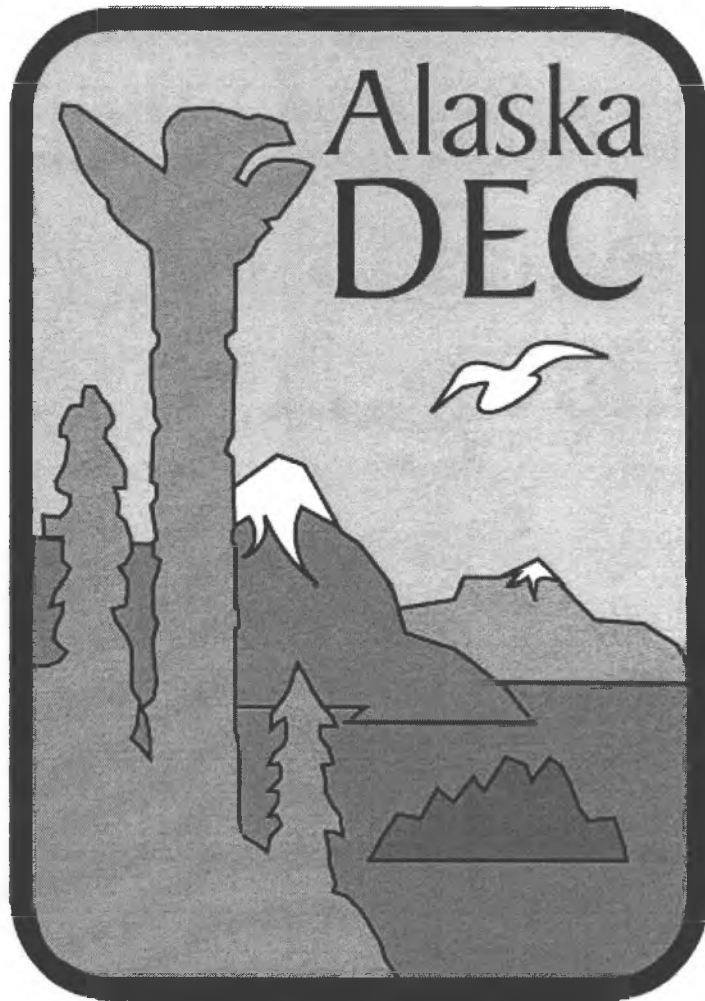
Senator Lesil McGuire  
Senator Gary Stevens

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### Senate Resources Committee

Friday, February 4, 2011: 3:30pm – 5:00pm

Presentation: Larry Hartig, Commissioner  
Department of Environmental Conservation



# Department of Environmental Conservation

Senate Resources Overview  
Commissioner Larry Hartig  
February 4, 2011

# DEC's Mission

Protect human health and the environment.



# Responsibilities & Functions

- Develop standards
- Issue permits
- Provide compliance and financial assistance
- Respond to spills of oil and other hazardous substances
- Safeguard the quality of food and seafood
- Operate the State Environmental Health Lab
- House the Office of the State Veterinarian
- Regulate pesticides and certain types of use
- Educate and assist the public
- Interact with our federal agency counterparts
- Investigate violations and enforce state law

# Divisions

- Administration
- Air Quality
- Environmental Health
- Spill Prevention and Response
- Water Quality

# Air Quality Division

***Mission:** To control air pollution in order to enhance the health, safety, and welfare of the people of the state.*

## ***Core Services:***

- Issue air quality permits to facilities that release potentially harmful pollutants
- Provide compliance assistance and enforcement (inspections and operating report reviews)
- Community assistance to protect air quality
- Air quality assessments and monitoring
- Comment on federal air quality rulemakings with Alaska's perspective
- Develop, implement, and enforce plans to bring areas out of compliance with federal air quality standards back into compliance

# Air Quality Division (cont.)

## *Programs:*

- Air Permits Program
- Air Monitoring & Quality Assurance Program
- Air Non-Point & Mobile Sources Program
- Administrative Support Program



# Air Quality Division cont.

## *Challenges:*

- Federal Rules for Greenhouse Gas
- Fairbanks Air Quality
- Fugitive Dust

## *Initiatives:*

- Gasline Permitting
- North Slope Cumulative Air Quality



# Fairbanks Fine Particulate Matter (PM<sub>2.5</sub>)

- EPA sets national human health – based air quality standards
- Fairbanks/North Pole area is exceeding the 24-hour standard for fine particulates (PM<sub>2.5</sub>)
- Air quality attainment plan is due to EPA in December 2012 ; Compliance deadline is 2014
- Potential human health and economic consequences to not meeting the standard, and the planning or compliance deadlines
- Plan and control options are controversial in community
  - Non-attainment area is large in size
  - Multiple sources of PM<sub>2.5</sub> exist
  - Home heating sources (wood and coal) are important contributors to non-attainment with PM 2.5 standard
  - They are also important heating and energy sources given their relatively low-cost

# Fairbanks Fine Particulate Matter (PM<sub>2.5</sub>) (cont.)

- **On-going Borough efforts include:**

- Voluntary wood stove/boiler change out program
- Education on wood drying and good burning practices
- Working with state and federal agencies on: researching other sources of PM 2.5 and potential mitigation options, investigating sources of wood supply and wood lot management options, investigating funding for change out and wood supply programs

- **On-going Air Quality Division efforts include:**

- Coordinating planning efforts
- Responding to local smoke complaints
- Conducting public education
- Assisting Borough on projects to characterize PM<sub>2.5</sub>
- Assisting with technical work for the air quality plan
- Analyzing emissions, impacts, and controls for permitted sources (e.g. power plants)
- Characterizing vehicle emissions at cold temperatures

# Environmental Health Division

***Mission:*** To ensure safe drinking water, food, and sanitary practices. Our goal is to provide businesses with clear standards so that they can protect our environment and provide safe food and drinking water to Alaskans.

## ***Core Services:***

- Maintain state primacy for regulating public drinking water systems
- Enforce public water system (PWS) monitoring requirements for drinking water contaminants
- Review construction, installation, and operation plans and enforce engineering standards for PWS to protect public health and meet Safe Drinking Water Act requirements
- Assist PWS owners in identifying the sources of their drinking water and help them develop strategies to effectively protect those sources from contamination
- Provide technical and compliance assistance to PWS owners and operators, and the public

# Environmental Health (cont.)

## *Programs:*

- Drinking Water
- Pesticide Control
- Solid Waste Management
- Environmental Health Laboratory
- State Veterinarian



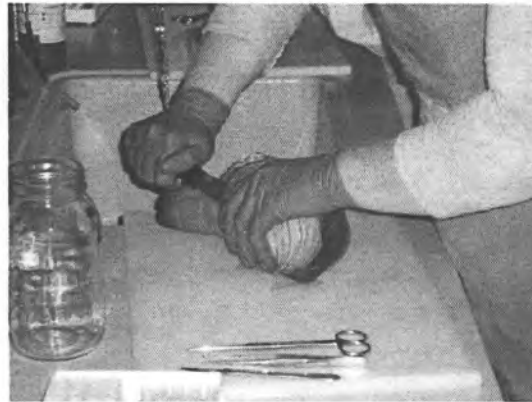
# Environmental Health (cont.)

## *Challenges:*

- High Risk Food Safety Inspections
- Solid Waste Landfills in Rural Alaska

## *Initiatives:*

- Shellfish Pilot Program
- Deregulating Low Risk Small Business and Community Event Foods



# Spill Prevention and Response Division

***Mission:*** Protect public health and the environment through **prevention, preparedness and response to oil and hazardous substance releases.**

## ***Core Services:***

- Emergency Oil Spill Response
- Statewide Hazmat Response
- Drills and Exercises
- Government Oil Spill Response Plans
- Local Spill Response Agreements
- Disaster Response Coordination



# Spill Prevention and Response (cont.)

## *Programs:*

- Industry Preparedness
- Prevention and Emergency Response
- Contaminated Sites



GC 2 Pipeline Spill



Pipeline Inspections



Abandoned Drums

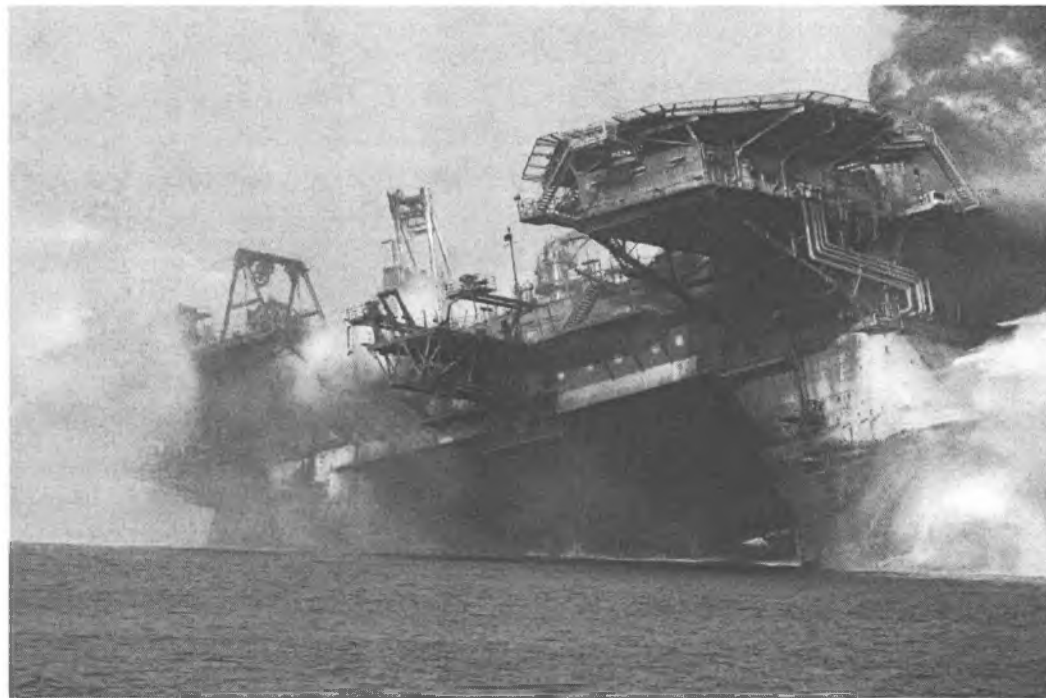
# Spill Prevention and Response (cont.)

## *Challenges:*

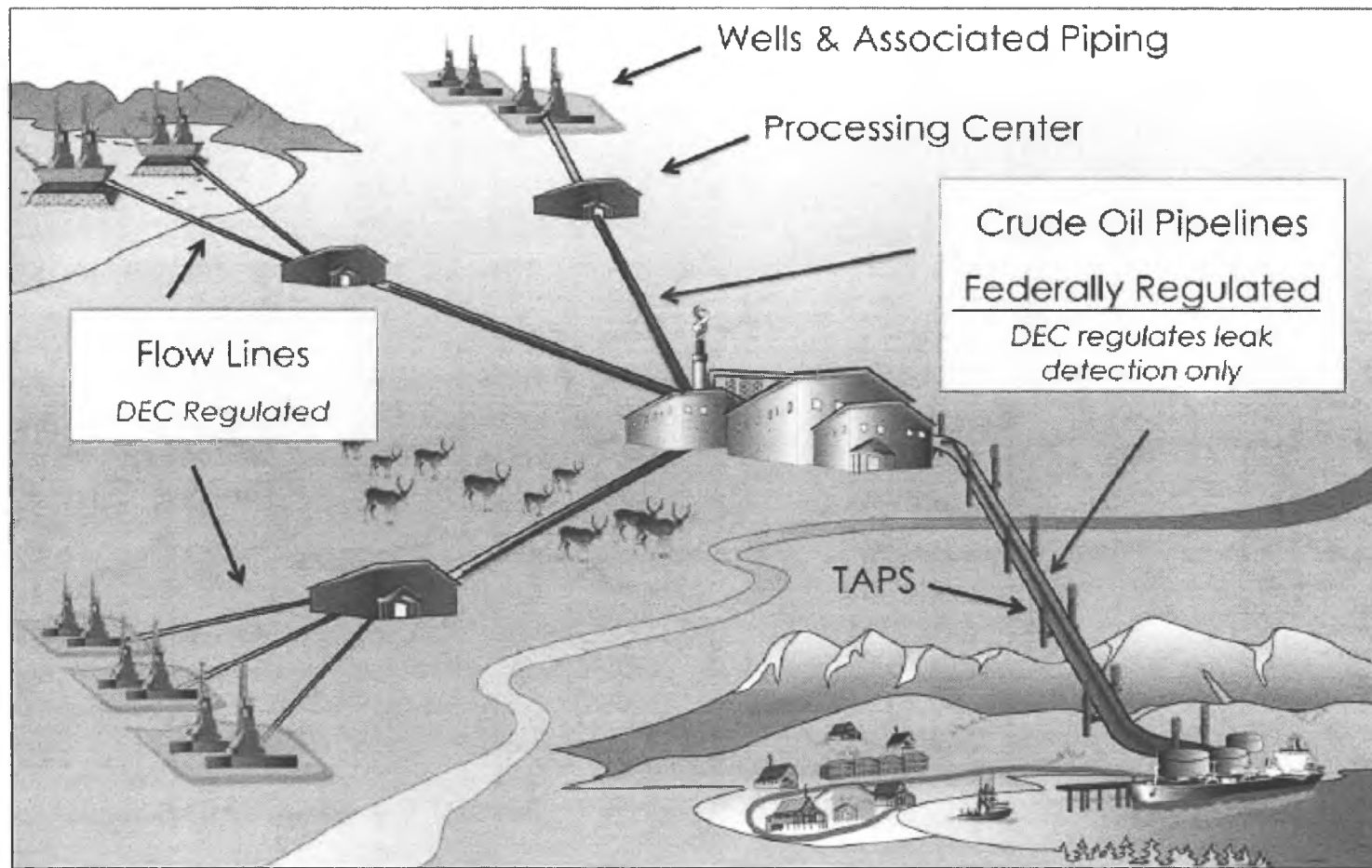
- Declining Prevention Account Balance
- Aging infrastructure and the possibility of more challenging operating conditions

## *Initiatives:*

- Contaminated Site Identification for Gasline Work
- Aleutian Islands Risk Assessment
- Deepwater Horizon Lessons and Risk Assessment Work Plan



# DEC Regulated Pipelines



# North Slope Initiatives

- Completion of Spills Analysis of North Slope Pipelines
- Implementation of new regulations for North Slope flow lines
- New requirements for reporting key indicators of pipeline condition
- Benchmarking of spill trends to reduce the number and severity of spills
- Engineering review and field inspection of high risk flow lines
- Completion of audit and inspection procedures and protocols
- Best available technology evaluation for pipeline leak detection systems



# Water Division

## *Mission:*

All things water except:

Regulation of public drinking water systems - DEC, Environmental Health

Water quantity (water rights and in-stream flow reservations) - DNR

## *Programs:*

- Facilities
- Water Quality



# Water Division - Facilities

## *Facilities Programs:*

- Municipal Grants and Loans
- Village Safe Water
- Operations Assistance



## *Facilities Core Services:*

- Provide grants, loans and engineering assistance for drinking water, sewerage, and solid waste facilities
- Provide training programs for and certification of water and sewerage system operators
- Provide over-the-shoulder and emergency assistance to system operators in remote communities

# Water Division – Water Quality

## *Water Quality Programs:*

- Water Quality Standards, Assessment and Restoration
- Wastewater Discharge Permitting
- Compliance and Enforcement
- Cruise Ships
- Water Quality Monitoring



## *Core Services:*

- Establish protective standards for water quality
- Improve water quality conditions where they are below public health or environmental standards
- Issue wastewater discharge permits to facilities and operations that release potentially harmful pollutants
- Ensure facility compliance with permit conditions
- Provide community assistance with the protection of water quality
- Develop user friendly public access to water quality data

# Water Division (cont.)

## *Challenges:*

- Declining Federal Funding in the Village Safe Water Program
- Completing and Maintaining Permitting Primacy
- Water Quality Standards

## *Initiatives:*

- Gasline Permitting



# Questions?

**Larry Hartig**  
**Commissioner**  
**(907) 465-5065**  
**[larry.hartig@alaska.gov](mailto:larry.hartig@alaska.gov)**

**Marit Carlson-Van Dort**  
**Legislative Liaison**  
**(907) 465-5871**  
**[marit.carlson-van.dort@alaska.gov](mailto:marit.carlson-van.dort@alaska.gov)**

## Spill Prevention and Response



# SPAR Handbook

The mission of the Division of Spill Prevention and Response is to protect public safety, public health and the environment through prevention, preparedness and response to oil and hazardous substance releases.



[dec.alaska.gov/spar](http://dec.alaska.gov/spar)

**Alaska Department of Environmental Conservation**

**Prevention - Preparedness - Response**

Sean Parnell  
Governor

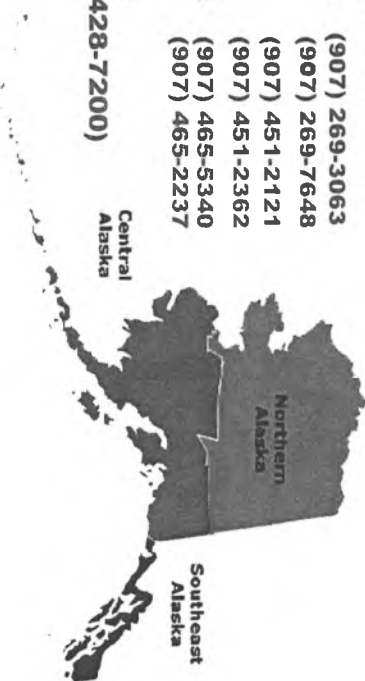
Larry Hartig  
Commissioner

## REPORT ALL OIL AND HAZARDOUS SUBSTANCE SPILLS

**ALASKA LAW REQUIRES REPORTING OF ALL SPILLS  
During normal business hours**  
contact the nearest DEC Area Response Team office:

|                         |                  |                              |
|-------------------------|------------------|------------------------------|
| <b>Central Alaska</b>   | <b>Anchorage</b> | <b>phone:</b> (907) 269-3063 |
|                         |                  | <b>fax:</b> (907) 269-7648   |
| <b>Northern Alaska</b>  | <b>Fairbanks</b> | <b>phone:</b> (907) 451-2121 |
|                         |                  | <b>fax:</b> (907) 451-2362   |
| <b>Southeast Alaska</b> | <b>Juneau</b>    | <b>phone:</b> (907) 465-5340 |
|                         |                  | <b>fax:</b> (907) 465-2237   |

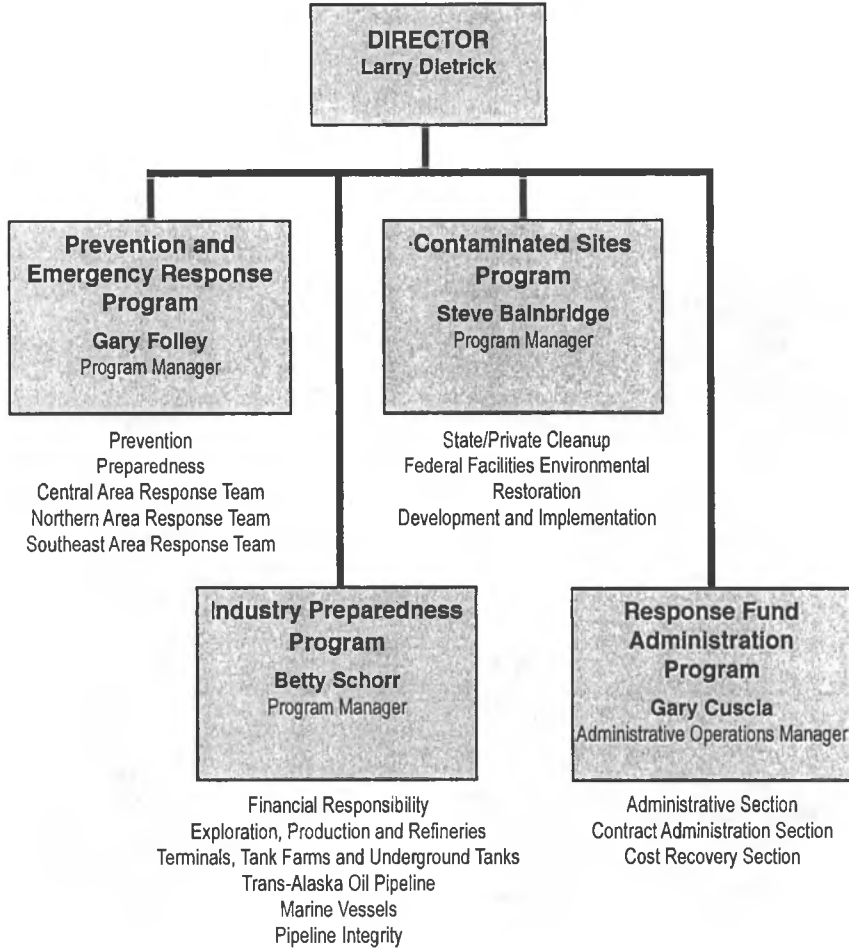
**Outside normal business hours, call:  
1-800-478-9300 (International 1-907-428-7200)**



**Alaska Department of Environmental Conservation**  
Division of Spill Prevention and Response

rev. June/2010

# Spill Prevention and Response Handbook



[dec.alaska.gov/spar](http://dec.alaska.gov/spar)

Revised January 2011

# Division Mission and Goals

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## Mission:

The mission of the Division of Spill Prevention and Response is to protect public safety, public health and the environment through prevention, preparedness and response to oil and hazardous substance releases.



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**Larry Dietrick**, Director  
Division of Spill Prevention and Response  
Alaska Department of Environmental Conservation  
410 Willoughby Ave., Suite 302  
P. O. Box 111800  
Juneau, AK 99811-1800  
Phone (907) 465-5250  
Fax (907) 465-5262  
Email [larry.dietrick@alaska.gov](mailto:larry.dietrick@alaska.gov)  
[dec.alaska.gov/spar](http://dec.alaska.gov/spar)

## Goals:

### Prevention

- Prevent spills from oil terminals, pipelines, tank vessels and barges, railroads, refineries, nontank vessels, oil exploration and production facilities, and underground storage tanks.
- Provide technical assistance to industry, the general public, and owners and operators in proper spill prevention and response methods.

### Preparedness

- Verify that facility and vessel operators have adequate response resources through review and approval of oil discharge prevention and contingency plans, inspections, and spill response exercises and drills.
- Maintain and improve government spill response preparedness and response by coordinating with local communities and other state and federal agencies, pre-positioning response equipment for local use, maintaining statewide and regional spill response plans, and implementing an incident command system for spill response in Alaska.

### Response

- Conduct emergency response to all significant spills to contain, control and reduce impacts and costs.
- Characterize and remediate acute and chronic health exposure risks due to hazardous substance releases.
- Mitigate the effects of oil and hazardous substance releases on the environment, and natural, biological and cultural resources.
- Reuse and redevelop contaminated properties through assessment, cleanup, monitoring or institutional controls.

### Response Fund Management

- Recover the state's costs for responding to unauthorized releases.
- Ensure the long-term viability of the Prevention Account of the Oil and Hazardous Substance Release Prevention and Response Fund.

# Prevention and Emergency Response

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## Program Mission:

The mission of the Prevention and Emergency Response Program is to 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 and rapid response.

The program is Alaska's primary response organization for emergency response to oil and hazardous substance releases. The program's goals are to protect public health and the environment from the direct or indirect effects of spills, guard the safety of the people involved, undertake or confirm the satisfactory cleanup and mitigation of spill impacts and restoration of damages, and recover state-incurred costs to the Oil and Hazardous Substance Release Prevention and Response Fund.

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**Gary Folley**, Program Manager  
Prevention and Emergency Response Program  
Division of Spill Prevention and Response  
Alaska Department of Environmental Conservation  
43335 Kalifornsky Beach Road, Suite 11  
Soldotna, AK 99669-8250  
Phone (907) 262-5210, ext. 234  
Fax (907) 262-2294  
Email [gary.folley@alaska.gov](mailto:gary.folley@alaska.gov)  
**[dec.alaska.gov/spar/perp](http://dec.alaska.gov/spar/perp)**

## Primary services:

- Lead the state's response to spills of oil and hazardous substances.
- Respond through area response teams in Anchorage, Fairbanks and Juneau.
- Implement the Incident Command System for large events and oversee spill cleanup by the responsible party or take over cleanup when a responsible party is not found or is incapable.
- Evaluate spill impact, ensure containment and cleanup, and recover cleanup and restoration costs from the responsible party.
- Plan, develop and coordinate a statewide hazardous materials response team capability.
- Provide full-time spill prevention, response and preparedness coverage of the North Slope.
- Serve as state contact for the federal Community Right-to-Know program.
- Participate in government and industry response drills and exercises.
- Prevent and reduce the occurrence of spills and hazardous substance releases from unregulated sources.
- Maintain the Federal/State Unified Plan and the 10 Subarea/Regional Contingency Plans for Alaska.
- Manage term contracts with spill response organizations.
- Integrate Alaska communities into a statewide response system through local response agreements.
- Train local personnel in at-risk areas throughout the state.
- Keep timely and accurate spill information.
- Enforce statutes and regulations relating to oil and hazardous substance spill reporting, cleanup and restoration of the environment.



# Industry Preparedness

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## Program Mission:

The mission of the Industry Preparedness Program is to protect public safety, public health and the environment by ensuring that producers, transporters and distributors of crude oil and refined oil products prevent oil spills and are fully prepared materially and financially to respond and clean up spills.

The program ensures spill prevention and industry spill response readiness through inspections, drills, financial responsibility, and oil discharge prevention and contingency planning, along with registration of oil spill response action contractors. Regulated facilities include terminals and distributors of crude and refined oil products, marine tankers and barges that transport crude and refined oil products, oil pipelines, onshore and offshore oil exploration and production facilities, nontank vessels of more than 400 gross tons, the Alaska Railroad, and operators of underground storage tanks.

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**Betty Schorr**, Program Manager  
Industry Preparedness Program  
Division of Spill Prevention and Response  
Alaska Department of Environmental Conservation  
555 Cordova St.  
Anchorage, AK 99501-2617  
Phone (907) 269-3054  
Fax (907) 269-7687  
Email [betty.schorr@alaska.gov](mailto:betty.schorr@alaska.gov)  
[dec.alaska.gov/spar/ipp](http://dec.alaska.gov/spar/ipp)

## Primary services:

- Review and approve oil discharge prevention and contingency plans.
- Conduct and participate in spill drills to verify by demonstration that regulated operators are in compliance with state response planning requirements.
- Inspect regulated facilities and vessels to provide assistance and to ensure that regulated operators employ the best available technology for spill prevention and response.
- Review and approve applications for proof of financial responsibility to ensure that regulated operators have the financial resources to respond to an oil spill and mitigate environmental damage.
- Register oil spill primary response action contractors identified in oil discharge prevention and contingency plans.
- Regulate and provide technical assistance and training to underground storage tank operators and owners to ensure proper tank operation and maintenance and basic spill prevention.
- Provide technical assistance and information to contingency plan applicants and the general public on spill prevention and response requirements.
- Oversee North Slope oil production facilities, including field inspections, compliance monitoring, and contingency plan review.
- Certify third-party underground storage tank inspectors and collect underground storage tank registration fees.



# Contaminated Sites

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## Program Mission:

The mission of the Contaminated Sites Program is to protect public health and the environment by identifying, overseeing and conducting the cleanup, redevelopment and management of contaminated sites in Alaska.

The program oversees cleanup of all contaminated sites in Alaska. Many of these sites pose a high risk to human health or the environment due to a broad scope of different and multifaceted sources of contamination from industrial and operational activities. More than half of these sites are owned or cleaned up by federal agencies through agreements with the state. The program coordinates the cleanup of state-owned properties, and other sites that have no responsible party. State-incurred costs are recovered from the responsible parties. The program works with all parties to facilitate the reuse or redevelopment of contaminated properties.

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**Steve Bainbridge**, Program Manager  
Contaminated Sites Program  
Division of Spill Prevention and Response  
Alaska Department of Environmental Conservation  
555 Cordova St.  
Anchorage, AK 99501-2617  
Phone (907) 269-2021  
Fax (907) 269-7649  
Email [steve.bainbridge@alaska.gov](mailto:steve.bainbridge@alaska.gov)  
[dec.alaska.gov/spar/csp](http://dec.alaska.gov/spar/csp)

## Primary services:

- Identify, assess, rank, prioritize and track all contaminated sites in Alaska.
- Oversee the cleanup and long-term monitoring of these sites.
- Use term contractors to clean up state-owned, privately owned and orphan sites using a risk-based approach.
- Manage cleanup and provide regulatory oversight for military, federal agency, private party and state-owned contaminated sites.
- Provide regulatory oversight, technical assistance and policy development to Department of Defense and federal civilian agencies on environmental cleanup activities.
- Recover state costs for oversight or cleanup from responsible parties.
- Negotiate with responsible parties, private or federal, for funding agreements to provide effective cleanup of contaminated sites, including the use of Prospective Purchaser Agreements to encourage property reuse and redevelopment.
- Facilitate the reuse of contaminated sites by being responsive to people who want to put properties back into reuse, including state-owned sites, and maintain Brownfield efforts that leverage federal funding for eligible sites with no viable responsible party.
- Manage and close contaminated sites to ensure risk is appropriately controlled over time.
- Provide technical assistance to responsible parties of contaminated sites.



# Response Fund Administration

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## Program Mission:

The mission of the Response Fund Administration is to manage the Oil and Hazardous Substance Release Prevention and Response Fund as a viable, long-term funding source for the state's core spill prevention and response initiatives and provide administrative support to division programs.

The program manages the Prevention and Response Accounts of the Oil and Hazardous Substances Release Prevention and Response Fund, including the recovery of state costs for responding to spills from the responsible party or other sources of funding if recovery from the responsible party is not possible. The program is responsible for tracking the receipt and expenditure of federal dollars for the cleanup of federal facilities, the preparation of the operating and capital budgets and overseeing the division's professional services contracting and procurement. In addition, the program assists division staff with human resource procedures and issues.

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**Gary Cuscia**, Administrative Operations Manager  
Response Fund Administration  
Division of Spill Prevention and Response  
Alaska Department of Environmental Conservation  
410 Willoughby Ave., Suite 302  
P. O. Box 111800  
Juneau, AK 99811-1800  
Phone (907) 465-5270  
Fax (907) 465-5262  
Email [gary.cuscia@alaska.gov](mailto:gary.cuscia@alaska.gov)  
**[dec.alaska.gov/spar/rfa](http://dec.alaska.gov/spar/rfa)**

## Primary services:

- Provide leadership and accountability of all Response Fund Administration activities, support SPAR operations with quality financial analysis and provide budgetary services.
- Manage the Prevention and Response Accounts of the Oil and Hazardous Substance Release Prevention and Response Fund.
- Recover state costs for responding to spills.
- Track and report all operating and capital expenditures and fund source balances to program managers monthly.
- Recover state costs through negotiated agreements such as memorandums of agreement, memorandums of understanding and federal grants.
- Manage and coordinate the receipt and expenditure of federal dollars for the cleanup of federal facilities.
- Develop cost controls and standardize division contracts.
- Manage term contracts and issue Notices to Proceed.
- Provide guidance and assistance to other Spill Prevention and Response programs in general administrative functions such as budget preparation, expenditure tracking, human resources and procurement.
- Provide administrative and financial support during emergency spill response situations.
- Manage Reimbursable Services Agreements for the division.
- Prepare the biennial Response Fund Report.
- In the case of a major spill response, support the Finance Section within the Incident Command System.



# Office Locations

## Headquarters Office

410 Willoughby Ave., Suite 303  
 P.O. Box 111800  
 Juneau, AK 99811-1800  
 (907) 465-5250  
 Fax (907) 465-5262

## Southcentral Alaska

### Anchorage Office

555 Cordova St.  
 Anchorage, AK 99501  
 (907) 269-3094  
 Fax (907) 269-7687

### Bethel Office

P.O. Box 228  
 Bethel, AK 99559  
 (907) 543-3215  
 Fax (907) 543-3216

### Soldotna Office

43335 Kalifornsky Beach Road, Suite 11  
 (Red Diamond Center)  
 Soldotna, AK 99669  
 (907) 262-5210  
 Fax (907) 262-2294

### Valdez Office

P.O. Box 1709  
 Valdez, AK 99686  
 (907) 835-4698  
 Fax (907) 835-2429

## Southeast Alaska

### Juneau Office

410 Willoughby Ave., Suite 302  
 P.O. Box 111800  
 Juneau, AK 99811-1800  
 (907) 465-5250  
 Fax (907) 465-5262

### Ketchikan Office

540 Water St., Suite 203  
 Ketchikan, AK 99901  
 (907) 225-6200  
 Fax (907) 225-0620

## Northern Alaska

### Fairbanks Office

610 University Ave.  
 Fairbanks, AK 99709  
 (907) 451-2360  
 Fax (907) 451-2155

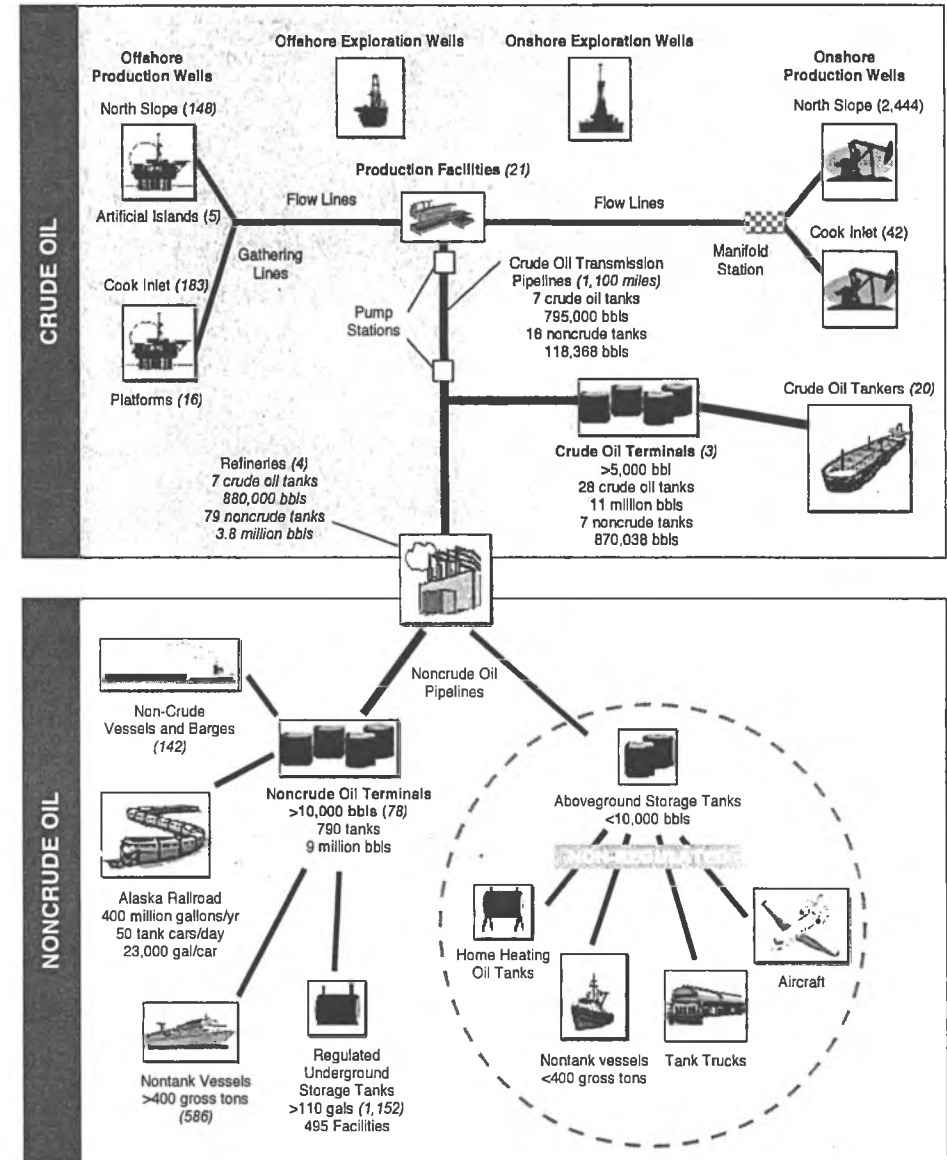
### North Slope Office

Pouch 340140  
 Prudhoe Bay, AK 99734  
 (907) 659-2215  
 Fax (907) 659-2345



## Alaska's Oil Production, Transportation and Storage Network

The facilities designated as "non-regulated" are not required to have a state-approved oil discharge prevention and contingency plan. () indicates number of facilities.



The State of Alaska, Department of Environmental Conservation complies with Title II of the Americans with Disabilities Act of 1990. If you are a person with a disability who needs a special accommodation in order to access this publication, please contact one of the offices listed above through the Alaska Relay Service, TDD 1-800-770-8973/TTY or dial 711, or [www.akrelay.com](http://www.akrelay.com).