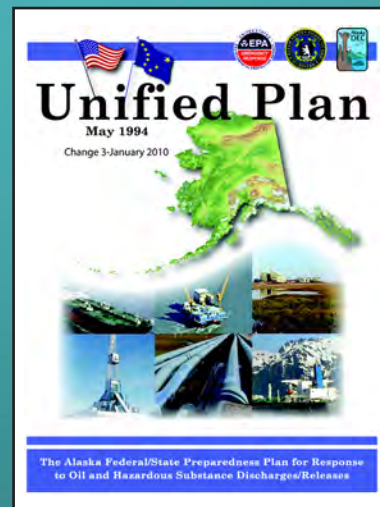
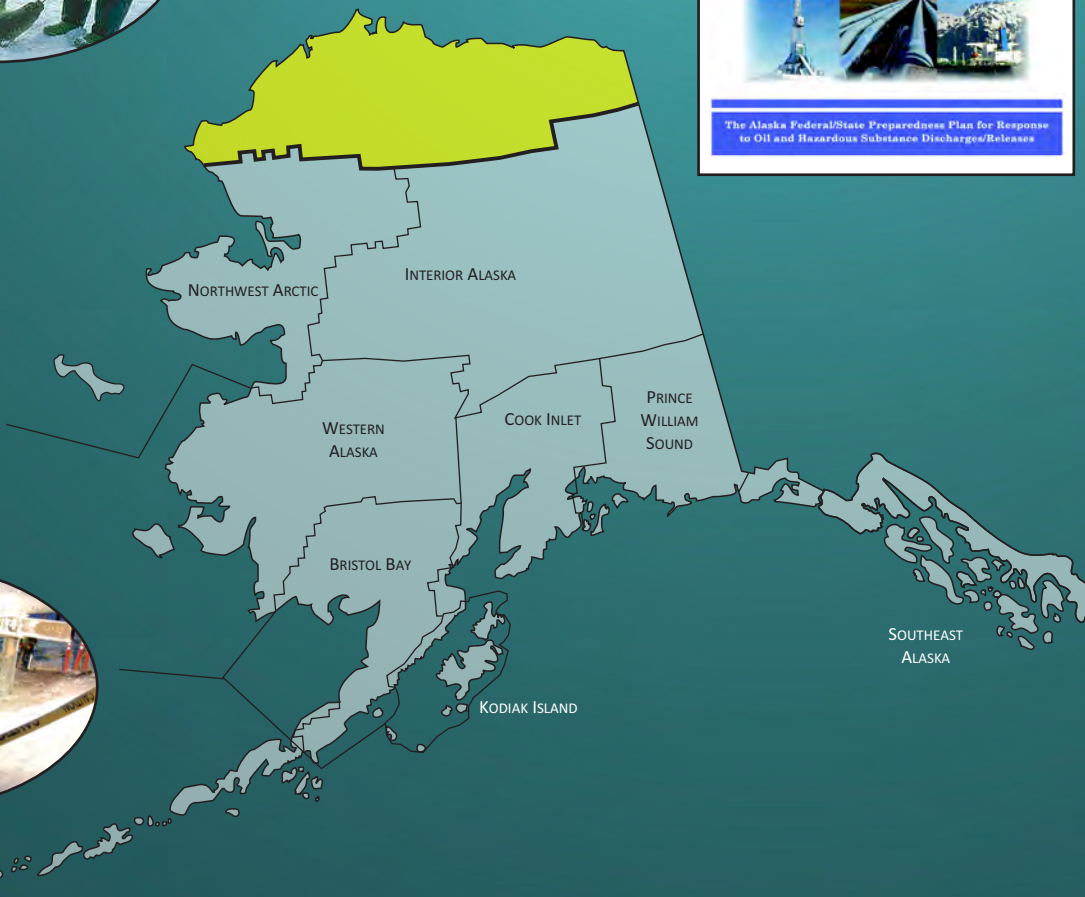


# NORTH SLOPE SUBAREA CONTINGENCY PLAN



## NORTH SLOPE

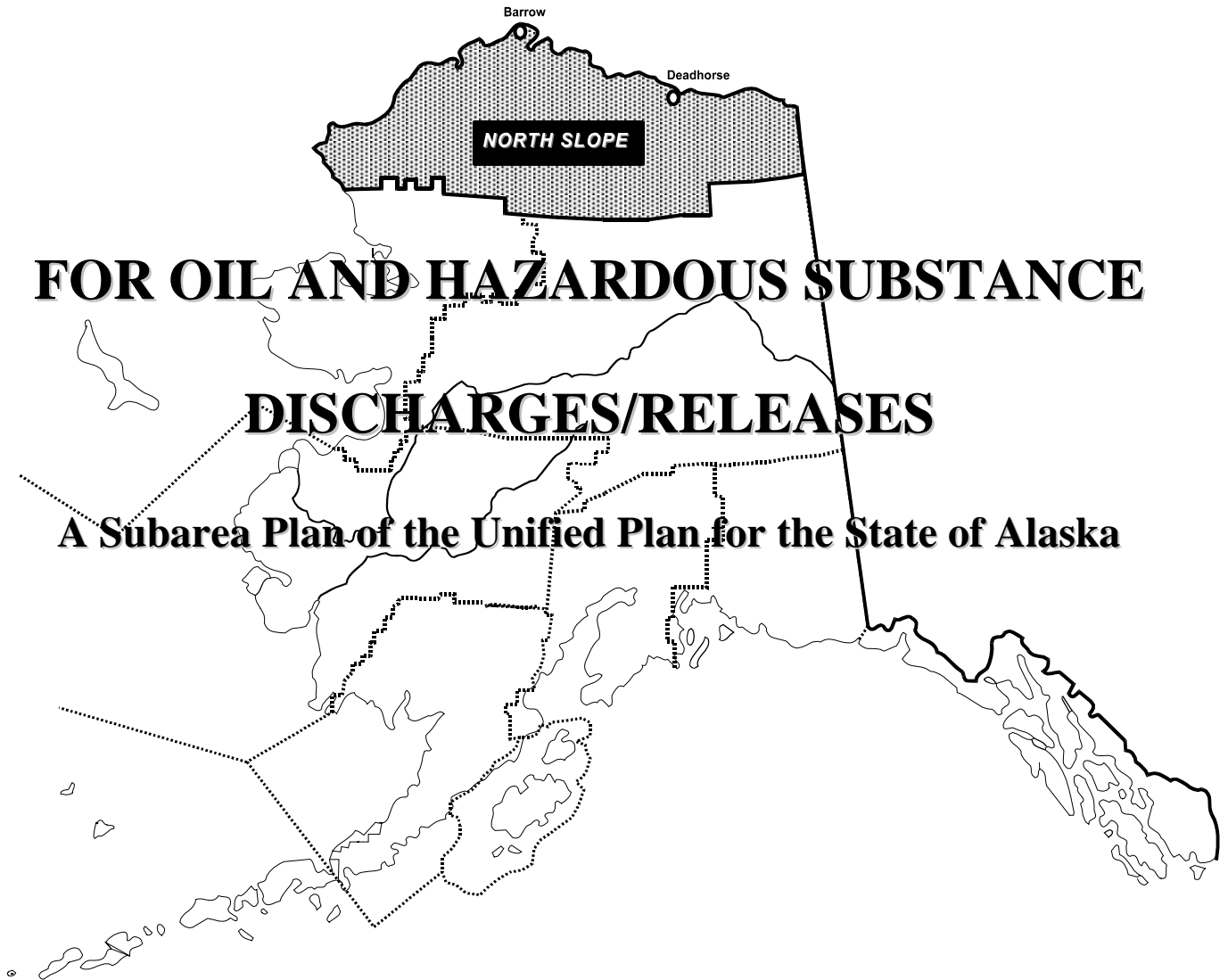


***For Oil and Hazardous Substance  
Discharges/Releases***

*A Subarea Plan of the Unified Plan for the State of Alaska*

*(This Page Intentionally Blank)*

# **NORTH SLOPE SUBAREA CONTINGENCY PLAN**



**DECEMBER 1999**

**Change One – April 2007**

**Change Two – May 2012**

*(This Page Intentionally Blank)*



ALASKA DEPT OF  
ENVIRONMENTAL CONSERVATION



USCG  
SECTOR ANCHORAGE



US EPA (REGION 10)  
ALASKA OPERATIONS OFFICE

April 19, 2012

## LETTER OF PROMULGATION

1. The North Slope Subarea Contingency Plan is the guideline for establishing operations in the event of a major response effort to an oil spill or hazardous material release. This volume supplements the *Alaska Federal/State Preparedness Plan for Response to Oil and Hazardous Substance Discharges/Releases (Unified Plan)*.
2. Information contained herein will be disseminated to agencies and personnel involved in various response and cleanup activities.
3. The North Slope Subarea Contingency Plan is the result of a joint planning effort. Members of the U.S. Environmental Protection Agency, U.S. Coast Guard, Alaska Department of Environmental Conservation, U.S. Department of the Interior, and numerous other Federal, State, local, Native, and industry participants contributed to this document.
4. We solicit comments and recommendations to improve this plan. Please forward your comments to Mr. Dale Gardner (Alaska Department of Environmental Conservation, Prevention and Emergency Response Program, 555 Cordova St., Anchorage, AK 99501), or Mr. Nick Knowles (USEPA, Alaska Operations Office, 222 W 7<sup>th</sup> Ave., No. 19, Anchorage, AK 99513).

A handwritten signature in black ink, appearing to read "M. Carr", written over a horizontal line.

Matthew Carr  
Federal On-Scene Coordinator, USEPA  
Region X (Alaska Operations Office)

A handwritten signature in blue ink, appearing to read "Jason Fosdick", written over a horizontal line.

Jason Fosdick  
Captain, USCG  
Federal On-Scene Coordinator  
Captain of the Port, Western Alaska

A handwritten signature in black ink, appearing to read "Tom DeRuyter", written over a horizontal line.

Tom DeRuyter  
State On-Scene Coordinator, ADEC  
Northern Alaska Response Team

*(This Page Intentionally Blank)*

# NORTH SLOPE SUBAREA CONTINGENCY PLAN

## TABLE OF CONTENTS

Letter of Promulgation .....	i
Table of Contents .....	iii
Unified Plan & Subarea Contingency Plan Descriptions .....	vii
Record of Changes .....	ix
State Oil and Hazardous Substance Spills Placards.....	xi

### **A. RESPONSE SECTION**

PART ONE – EMERGENCY RESPONSE NOTIFICATION.....	A-1
A. Emergency Response Notification.....	A-1
B. Federal Agency Contacts .....	A-2
C. Alaska State Agency & Other Contacts .....	A-3
D. Local Contacts .....	A-4
E. Other Points of Contact .....	A-5
PART TWO – EMERGENCY RESPONSE.....	A-8
A. Unified Command Structure and ICS .....	A-8
B. Roles of the OSC, RP, RAC/OSRO, and RSC .....	A-9
PART THREE – RESPONSE PROCEDURES.....	A-11
A. Response Objectives .....	A-11
B. Scope of Activities.....	A-11
C. Ramp Up Procedures .....	A-13
D. Additional Response Protocols .....	A-15
E. Potential Places of Refuge .....	A-17
F. Geographic Response Strategies.....	A-17
G. Emergency Towing System .....	A-17
H. Marine Response and Salvage Recovery .....	A-17

### **B. RESOURCES SECTION**

PART ONE – COMMUNITY PROFILES .....	B-1
A. Regional Organizations.....	B-1
B. Community Profiles .....	B-2
PART TWO – EQUIPMENT .....	B-40
A. Commercially Available Equipment.....	B-43
B. Non-Commercially Available Equipment.....	B-45
C. Industry/Spill Cooperative Equipment.....	B-50
PART THREE – INFORMATION DIRECTORY .....	B-51
A. Airports and Air Services .....	B-52
B. Bird and Other Wildlife Response.....	B-55
C. Contractors: BOA and Term.....	B-56
D. Historic Properties Protection .....	B-57
E. Emergency Services/Managers .....	B-59
F. Fishing Fleets and Organizations.....	B-59
G. Government Contacts and Information .....	B-60
H. Hospitals.....	B-61
I. Intake Water-Use Facilities.....	B-62
J. Not Used.....	B-62
K. Not Used.....	B-62
L. Laboratories .....	B-62

M. Media.....	B-63
N. Alaska Native Organizations and Federally-Recognized Tribes.....	B-64
O. Organizations: Environmental, Health, and Volunteer.....	B-66
P. Port Authorities, Harbor Masters, and Marine Pilots.....	B-66
Q. Not used.....	B-66
R. Response Agreements.....	B-67
S. Salvage Companies.....	B-67
T. Federal and State Natural Resource Trustee Emergency Contacts.....	B-68
U. Not Used.....	B-69
V. Vehicles.....	B-69
W. Weather Service.....	B-70
WWW. UsefulWebsites.....	B-72
<b>PART FOUR – LOGISTICS.....</b>	<b>B-75</b>
A. Equipment Considerations.....	B-76
B. Personnel Considerations.....	B-77
C. Communications.....	B-78
D. Command Posts.....	B-89
E. Storage/Disposal.....	B-90
<b>C.        HAZMAT SECTION</b>	
<b>PART ONE – HAZMAT RESPONSE.....</b>	<b>C-1</b>
A. Initial Notification of Response Agencies.....	C-1
B. Recognition.....	C-1
C. Evaluation.....	C-3
D. Evacuation.....	C-5
E. Direction and Site/Entry Control.....	C-5
F. Command and Control.....	C-6
G. Communications.....	C-6
H. Warning Systems & Emergency Public Notification.....	C-6
I. Health and Medical Services.....	C-6
<b>PART TWO – RESPONSIBLE PARTY HAZMAT ACTION.....</b>	<b>C-7</b>
A. Discovery and Notification.....	C-7
B. Removal Action.....	C-7
<b>PART THREE – STATE HAZMAT ACTION.....</b>	<b>C-9</b>
A. Authority.....	C-9
B. Response Policy.....	C-9
C. State Response Capabilities.....	C-9
D. Responsibilities.....	C-10
<b>PART FOUR – FEDERAL HAZMAT ACTION.....</b>	<b>C-11</b>
A. Authority.....	C-11
B. Jurisdiction.....	C-11
C. Response Policy.....	C-11
<b>PART FIVE – SUBAREA HAZMAT RISK ASSESSMENT.....</b>	<b>C-13</b>
A. General.....	C-13
B. Facilities.....	C-14
C. Transportation.....	C-16
D. References.....	C-25
<b>PART SIX – RADIOLOGICAL AND BIOLOGICAL ISSUES.....</b>	<b>C-27</b>



**SENSITIVE AREAS SECTION**

INTRODUCTION ..... D-1

PART ONE – INFORMATION SOURCES ..... D-3

PART TWO – AREAS OF ENVIRONMENTAL CONCERN ..... D-7

    A. Background/Criteria ..... D-7

    B. Areas of Major Concern ..... D-8

    C. Areas of Moderate Concern ..... D-9

    D. Areas of Lesser Concern ..... D-9

    E. Areas of Local Concern ..... D-9

PART THREE – RESOURCE SENSITIVITY ..... D-11

PART FOUR – BIOLOGICAL AND HUMAN USE RESOURCES ..... D-19

    A. Introduction ..... D-19

    B. Habitat Types ..... D-21

        1. Benthic Habitats ..... D-21

        2. Shoreline Habitats ..... D-22

        3. Upland Habitats ..... D-23

    C. Biological Resources ..... D-27

        1. Threatened and Endangered Species ..... D-27

        2. Fish and Wildlife ..... D-32

        3. Vegetation ..... D-65

    D. Human Use Resources ..... D-68

        1. Fish Hatcheries and Associated Ocean Net Pens ..... D-68

        2. Aquaculture Sites ..... D-68

        3. Cultural Resources ..... D-68

        4. Subsistence and Personal Use Harvest ..... D-68

        5. Commercial Fishing ..... D-69

        6. Sport Fishing and Hunting ..... D-69

        7. Recreational Sites and Facilities ..... D-69

        8. Commercial Tourism ..... D-69

        9. Marinas and Ports ..... D-69

        10. Fish Processing ..... D-69

        11. Logging Facilities ..... D-69

        12. Water Intake/Use ..... D-70

PART FIVE—LAND MANAGEMENT ..... D-71

    A. Land Management Designations ..... D-71

        1. Access to Lands ..... D-71

        2. State ..... D-71

        3. Federal ..... D-71

    B. Land Management Maps ..... D-74

ATTACHMENT ONE: Fish Streams Along the Trans-Alaska Pipeline System ..... D-84

**BACKGROUND SECTION**

PART ONE – SUPPORT INFORMATION ..... E-1

    A. Subarea Plan ..... E-1

    B. Subarea Description ..... E-1

    C. Area of Responsibility ..... E-9

    D. Regional Stakeholder Committee ..... E-9

    E. Subarea Committee ..... E-11

PART TWO – RESPONSE POLICY & STRATEGIES ..... E-13

    A. Federal Response Action Priorities/Strategies ..... E-13

    B. State of Alaska Response Priorities ..... E-15

PART THREE – SUBAREA SPILL HISTORY & OIL FATE.....	E-17
A. Navigable Waters Spill History .....	E-17
B. Inland Spill History.....	E-18
C. Hazmat Release History.....	E-20
D. Oil Fate and General Risk Assessment .....	E-33
E. Ice, Wind and Currents.....	E-35
PART FOUR – ABBREVIATIONS AND ACRONYMS.....	E-41

**SCENARIOS SECTION**

PART ONE – COASTAL OIL .....	F-1
A. Worst Case Scenario.....	F-1
B. Maximum Most Probable Scenario .....	F-9
C. Average Most Probable Scenario.....	F-13
PART TWO – HAZMAT .....	F-16
PART THREE – INLAND OIL.....	F-20
A. Worst Case Scenario.....	F-20
B. Maximum Most Probable Scenario .....	F-30
C. Average Most Probable Scenario.....	F-34

**GEOGRAPHIC RESPONSE STRATEGIES (GRS) SECTION**

INTRODUCTION .....	G-1
--------------------	-----

**POTENTIAL PLACES OF REFUGE (PPOR) SECTION**

PART ONE INTRODUCTION .....	H-1
A. Purpose and Scope .....	H-1
B. How the Document was Developed.....	H-2
C. How to Use the Potential Places of Refuge Section.....	H-5
D. Who to Contact for Input.....	H-5
Tables and Figures .....	
Risk Assessment Maps:	
Figure H-1: Locations of bulk fuel facilities and pipelines .....	H-7
Figure H-2: Locations of Communities with spill response agreements, spill response hubs, and equipment depots .....	H-8
Figure H-3: Locations of Airports and Docks .....	H-9
Figure H-4: Locations of Previous Coastal Oil Spills .....	H-10
Figure H-5: Composite Map of All Risk Factors Combined.....	H-11
Table H-1: Site Assessment Matrix Key .....	H-12
Table H-2: Site Assessment Matrix.....	H-13
PART TWO – PPOR INDEX & MAPS .....	H-15
PPOR Index Map .....	H-15
PPOR Map 1 .....	H-17
PPOR Map 2 .....	H-19
PPOR Map 3 .....	H-21
PART THREE – REFERENCES .....	H-23

## UNIFIED PLAN & SUBAREA CONTINGENCY PLAN DESCRIPTIONS

The North Slope Subarea Contingency Plan is a supplement to the *Alaska Federal/State Preparedness Plan for Response to Oil & Hazardous Substance Discharges/Releases* (commonly referred to as the Unified Plan). The Unified and the Subarea Contingency Plans represent a coordinated and cooperative effort by government agencies and were written jointly by the U.S. Coast Guard, the U.S. Environmental Protection Agency, and the Alaska Department of Environmental Conservation. The Oil Pollution Act of 1990 (OPA 90) requires the USCG and the USEPA to prepare oil spill response plans for the State of Alaska, which is designated as an entire planning region under Federal guidelines. Alaska statute requires the ADEC to prepare a state-wide master plan addressing oil and hazardous substance discharges. The Unified Plan meets these Federal (NCP and OPA 90) requirements for regional and area planning, as well as State planning requirements.

OPA 90 requires the development of Area Contingency Plans for the inland and coastal zones of each Federal region. For the Alaska region, there are three Coast Guard Captain of the Port zones and one inland zone. The three Captain of the Port zones are: 1) Southeast, which covers all of Southeast Alaska; 2) Prince William Sound, which covers the Prince William Sound area; and 3) Western Alaska, which includes the rest of coastal Alaska from Cook Inlet out to the Aleutians and north to the Beaufort Sea and the Canadian border. The inland zone is subdivided into two sectors: 1) the North Slope oil production area and the Trans-Alaska Pipeline System (TAPS) and 2) all other areas inland from the coastal zones.

Alaska statute divides the state into ten regions for oil and hazardous substance spill planning and preparedness. The USCG and the USEPA joined with the ADEC to use these ten regions for area planning instead of the Federal planning divisions since this would facilitate unified planning for the State of Alaska and prove more practical as well (for example, the huge COTP Western Alaska planning area is replaced by seven more manageable divisions). Because the State of Alaska is called a planning 'region' under Federal planning guidelines and to avoid confusion with the other Federal term, 'area contingency plans,' these ten subordinate planning regions of the State are called 'subareas' in the context of the Unified Plan.

The Unified Plan contains information applicable to pollution response within the entire State of Alaska and meets the pollution response contingency planning requirements applicable to the Federal and State governments. The plan provides broad policy guidance and describes the strategy for a coordinated Federal, State and local response to a discharge, or substantial threat of discharge, of oil and/or a release of a hazardous substance within the boundaries of Alaska and its surrounding waters.

Under both Federal and State law, the responsible party for an oil or hazardous substance incident is required to report the incident and mount a response effort to contain and clean up the release. The Federal and State governments mandate response plans for oil tank vessels and facilities that have stringent spill response requirements. If the responsible party fails to respond adequately or if no responsible party can be identified, then the Federal and State governments will rely on the Unified Plan and the appropriate Subarea Contingency Plan for response protocols and guidance.

Whereas the Unified Plan contains general information for response efforts taking place anywhere in the State of Alaska, the Subarea Contingency Plan (SCP) concentrates on issues and provisions specific to its particular subarea. The North Slope SCP focuses on the North Slope Borough of the State. The boundaries of this subarea are described in the Background Section of this plan. The North Slope SCP provides information specific to the area, including emergency response phone numbers, available response equipment and other resources, specific response guidelines, and information on hazardous substance presence and sensitive areas protection.

Alaska State statute mandates a public review of all new plans, an annual departmental review of these plans, and another public review whenever the plans are significantly revised. The ADEC offers a public review of

these plans for a period of 30 to 60 days during which verbal and written comments are accepted. During this comment period, public meetings may be held at locations appropriate for the plan being reviewed . The Federal government does not require public review for any of its plans, though the USCG and the USEPA, as part of the Alaska unified planning process, do cooperate with the State of Alaska and participate in the public review process.

Neither federal nor the State regulations codify a formal approval process for these plans. The Unified Plan and the SCPs are presented to the Alaska State Emergency Response Commission and the Alaska Regional Response Team (ARRT) for review and comment. The Unified Plan approval process can be found in Annex D of the plan. For subarea contingency plans, the plan approval occurs with the signing of the plan's letter of promulgation by the three plan holders – the USCG, the USEPA and the State of Alaska.

### RECORD OF CHANGES

<b>Change Number</b>	<b>Date of Change</b>	<b>Date Entered</b>	<b>Entered By (Signature, Title)</b>
1	April 2007	April 2007	Subarea Committee Staff
2	May 2012	May 2012	Subarea Contingency Planning Work Group

*(This Page Intentionally Blank)*



**National  
Response  
Center**

**Report Spills to the NRC at:  
1-800-424-8802**

**or Via the NRC Online Reporting Tool at  
<http://www.nrc.uscg.mil/nrchp.html>**

*The National Response Center is the SOLE national point of contact for reporting Oil, Chemical, Radiological, Biological, and Etiological discharges into the environment anywhere in the United States and its territories.*

*(This Page Intentionally Blank)*



# 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:

**Central Alaska**

**Anchorage** phone: (907) 269-3063  
fax: (907) 269-7648

**Northern Alaska**

**Fairbanks** phone: (907) 451-2121  
fax: (907) 451-2362

**Southeast Alaska**

**Juneau** phone: (907) 465-5340  
fax: (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

*(This Page Intentionally Blank)*

## Discharge Notification and Reporting Requirements

AS 46.03.755 and 18 AAC 75 Article 3

Notification of a discharge must be made to the nearest Area Response Team during working hours:

Anchorage (907) 269-3063

(907) 269-7648 (FAX)

Fairbanks (907) 451-2121

(907) 451-2362 (FAX)

Juneau (907) 465-5340

(907) 465-2237 (FAX)

OR

to the 24-Hour Emergency Reporting Number during non-working hours:

1-800-478-9300 (International 1-907-428-7200)

## Notification Requirements

### Hazardous Substance Discharges

Any release of a hazardous substance must be reported as soon as the person has knowledge of the discharge.

### Oil Discharges

#### ■ TO WATER

- Any release of oil to water must be reported as soon as the person has knowledge of the discharge.

#### ■ TO LAND

- Any release of oil in **excess of 55 gallons** must be reported as soon as the person has knowledge of the discharge.
- Any release of oil in **excess of 10 gallons, but 55 gallons or less**, must be reported within 48 hours after the person has knowledge of the discharge.
- A person in charge of a facility or operation shall maintain, and provide to the Department on a monthly basis, a written record of any discharge of oil **from 1 to 10 gallons**.

#### ■ TO IMPERMEABLE SECONDARY CONTAINMENT AREAS

- Any release of oil **in excess of 55 gallons** must be reported within 48 hours after the person has knowledge of the discharge.

## Special Requirements for Regulated Underground Storage Tank (UST) Facilities\*

If your release detection system indicates a possible discharge, or if you notice unusual operating conditions that might indicate a release, you must notify the Storage Tank Program at the nearest DEC Office within 7 days:

Anchorage (907) 269-7886

(907) 269-7679

\*Regulated UST facilities are defined at 18 AAC 78.005 and do not include heating oil tanks.

rev. June/2010

*(This Page Intentionally Blank)*