# Northwest Arctic Subarea

Spill Scenario's

# Vessel spill history

| Spill Date | Facility SubType | Source Type | Facility Name | City | Substance | Qty Released/Gal | Cause |
|---|---|---|---|---|---|---|---|
| 06/13/2000 | Fishing | | ST. MICHAELS, THE POINT COVE | St. Michaels | Unknown | 1 | Unknown |
| 08/10/1994 | Barge | | CAPE NOME | Nome | Diesel | 20000 | Grounding |
| 07/01/1995 | Other | | NOME HARBOR | Nome | Gasoline | 15 | Sinking |
| 09/23/1996 | Barge | | KOTZEBUE SOUND | Kotzebue | Aviation Fuel | 1 | Hull Failure |
| 06/23/1997 | Barge | | KOYUK CITY, YUTANA BARGE. | Koyuk | Diesel | 7 | Valve Failure |
| 06/26/1997 | Barge | | GAMBELL CITY, GAMBELL TANK FARM | Gambell | Diesel | 100 | Leak |
| 06/24/1998 | Barge | Tank, Other | SAVOONGA CITY, YUTANA BARGE LINES AT THE SAVOONGA | Savoonga | Diesel | 450 | Puncture |
| 07/05/1998 | Barge | | KOTZEBUE CITY, COMINCO | Kotzebue | Diesel | 1 | Leak |
| 08/04/1998 | Barge | | KOTZEBUE CITY, PORT SITE | Kotzebue | Hydraulic Oil | 45 | Line Failure |
| 09/04/1998 | Barge | Pipe or Line | UNALAKLEET CITY | Unalakleet | Diesel | 20 | Human Error |
| 10/03/1999 | Barge | | NOME CITY INNER HARBOR | Nome | Diesel | 75 | Human Error |
| 06/21/2002 | Other | Pipe or Line | Port Clarence | Teller | Diesel | 1 | Leak |
| 06/23/2002 | Barge | Pipe or Line | City Dock | Brevig Mission | Diesel | 1 | Leak |
| 07/15/2002 | Barge | Pipe or Line | Selawik Fuel Project | Selawik | Gasoline | 20 | Line Failure |
| 07/21/2002 | Barge | Fuel Pump | City Harbor Dock | Kotzebue | Diesel | 1 | Overfill |
| 06/07/2004 | Barge | Heavy Equipment | Kobuk River Lodge | | Diesel | 140 | Line Failure |
| 07/04/2004 | Barge | Pipe or Line | ST. MICHAELS CITY, YUTANA BARGE LINES | St. Michaels | Diesel | 1 | Human Error |
| 08/31/2005 | Barge | Fuel Pump | Brevig Mission Lagoon | | Gasoline | 1 | External Factors |
| 07/25/2007 | Barge | Tank, Other | RED DOG MINE, PORT SITE | Kotzebue | Diesel | 1 | Human Error |
| 07/27/2007 | Barge | Tank, Other | WEST COAST, TIN CITY | | Aviation Fuel | 0.125 | Grounding |
| 06/28/2009 | Cargo | Heavy Equipment | SAVOONGA CITY | Savoonga | Hydraulic Oil | 1 | Line Failure |
| 07/17/2009 | Barge | Pipe or Line | STEBBINS CITY, FUEL STORAGE FACILITY. | Stebbins | Diesel | 15 | Line Failure |
| 08/26/2010 | Barge | Tank, Other | NOORVIK TANK FARM | Noorvik | Diesel | 10 | Line Failure |

# Average Most Probable Spill

- Lightering vessel transferring fuel to a bulk storage facility.
- Four-inch transfer hose ruptures at the marine header.
- 50 gallons of No. 1 diesel fuel is discharged into the navigable waterway.

# Average Most Probable Spill

- Transfer is secured and valves are closed.
- Notify Northwest Arctic Borough to activate the initial ICS.
- Contain product utilizing vessel and facility response equipment.
- Recover available product utilizing mechanical and manual techniques.
- Dispose of recovered product and contaminated debris.

# Maximum Most Probable Spill

- Fuel barge enroute to village strikes submerged object.

- No visible loss of product while vessel is making way.

- Once moored, 500 bbls No. 1 diesel discharges into waterway.

# Maximum Most Probable Spill

- Contain product utilizing vessel and facility response equipment.
- Secure spill by transferring product to undamaged tank.
- Conduct initial notifications to include: USCG, ADEC, BOEMRE, DOI, ect.
- Recover available product utilizing mechanical and manual techniques.
- Dispose of recovered product and contaminated debris.

# Worst Case Discharge

- Freight ship enroute to Delong Mountain Terminal, Cominco/Red Dog Mine, experiences engine room fire and loses rudder control and propulsion.

- Vessel runs aground on east shore of Little Diomede Island.

- Hull is compromised, discharging 4000 gallons/day heavy fuel oil.

# Worst Case Discharge

- Ensure safety of crew and responders.
- Dispatch USCG/ADEC initial responders.
- Establish Incident Command Post in Anchorage with plans to move to Nome as soon as possible.
- Mobilize CISPRI, Chadux, ACS and Pacific Strike Team.
- Establish equipment staging area in Nome/Wales Tin City.

# Worst Case Discharge

- NOAA Scientific Support Coordinator develops spill trajectory based on known information.

- Establish a Public Information Center, including a Unified Command web site to post relevant information.

- Protect sensitive area's by positioning boom.

- Conduct recovery operations utilizing lightering, mechanical clean-up and shoreline assessments.