

**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**Division of Spill Prevention and Response**  
**Prevention and Emergency Response Program**

**SITUATION REPORT**

**INCIDENT NAME:** Arctic Enterprise, Ammonia Release      **SITREP#:** 3 and Final

**SPILL NUMBER:** 04259921001      **LEDGER CODE:** Not requested.

**TIME/DATE OF SPILL:** The discharge was discovered by the vessel crew at 8:30 AM on July 28, 2004. Trident Seafoods reported the discharge to ADEC at 12:50 PM on July 28, 2004.

**TIME/DATE OF SITUATION REPORT:** 1:00 PM, July 30, 2004

**TIME/DATE OF THE NEXT REPORT:** This is the final report.

**TYPE/AMOUNT OF PRODUCT SPILLED:** Anhydrous Ammonia, volume of the discharge to the air has been estimated by the vessel engineering staff to be about 100 pounds of ammonia. They also estimate that an additional 700 pounds of ammonia was released to salt water through a diffusion process. The Arctic Enterprise's maximum capacity of ammonia for the vessel is about 10,000 pounds.

**LOCATION:** Akutan Harbor, on a mooring buoy. Akutan is located approximately 35 miles east of Unalaska.

**CAUSE OF SPILL:** The cause of the discharge has been determined to be a hair line crack in a seam of a 6 inch pipe on the suction side of the low pressure receiver of the freezer system in the number 2 freezer hold.

**POTENTIAL RESPONSIBLE PARTY (PRP):** Trident Seafoods, Seattle, Washington.

The Arctic Enterprise is a 323 ft fish processor.

**RESPONSE ACTION:** The vessel crew was able to add another eductor to the isolated part of the freezer system, facilitating the removal of liquid ammonia from the system. The isolated section has been completely evacuated of any ammonia. Air monitoring measurements from the number 2 freezer hold indicate that it is clear of any ammonia vapors. There have not been any reported injuries from the incident and the crew of 174 personnel has remained on the vessel.

**SOURCE CONTROL:** The ammonia system for the number 2 freezer hold was isolated from the rest of the refrigeration system.

**RESOURCES AFFECTED:** The surrounding area around the number 2 freezer hold of the vessel.

**FUTURE PLANS AND RECOMMENDATIONS:** The vessel crew is awaiting parts and trained personnel to make repairs to the freezer system. A representative from the U.S. Department of Labor is expected to arrive today to evaluate compliance with Federal "Process Safety Management" regulations.

**WEATHER:** Mostly cloudy, highs in the mid 50s, light winds.

**UNIFIED COMMAND AND PERSONNEL:**

Incident Commander ..... Dave Bishop, Captain of the Arctic Enterprise (PRP)  
F.O.S.C..... Capt. Ron Morris (USCG)  
S.O.S.C..... Gary Folley (ADEC)

**FOR ADDITIONAL INFORMATION CONTACT:** John Brown, ADEC, 269-7688

**AGENCY/STAKEHOLDER NOTIFICATION LIST**

<b>AGENCY</b>	<b>NAME</b>	<b>Sent Via</b>		<b>Telephone</b>	<b>Facsimile</b>
USCG-MSO/ANC	Captain Morris	Fax		271-6700	271-6751
USEPA	Matt Carr Carl Lautenberger	Fax		271-3616	271-3424
DH Port Director	Alvin Osterback			581-1254	581-2519
Unalaska Mayor	Shirley Marquardt	Fax		581-1211	581-1695
Statewide Hazmat Response	Work Group	Email	dec-hazmat@list.state.ak.us	N/A	N/A
<b>OTHER</b>	<b>NAME</b>	<b>Sent Via</b>	<b>Session/Interim</b>	<b>Telephone</b>	<b>Facsimile</b>
<b>House 38/Unalaska</b>	Carl Moses		Anchorage 5/16 - 1/09 Juneau 1/10 - 5/15	269-0275 465-4451	269-0274 465-3445
<b>Senate S/Bethel</b>	Lyman Hoffman	Fax	Bethel/Juneau	465-4453	465-4523
<b>Federal OSHA</b>	Randy White	Email	white.randy@dol.gov	N/A	N/A