

Statewide Hazmat Response Work Group

Extremely Hazardous Substance (EHS) Releases Calendar Year 2006

The State of Alaska experienced a total of 34 extremely hazardous substance (EHS) releases during Calendar Year 2006 (January 1 thru December 31, 2006).

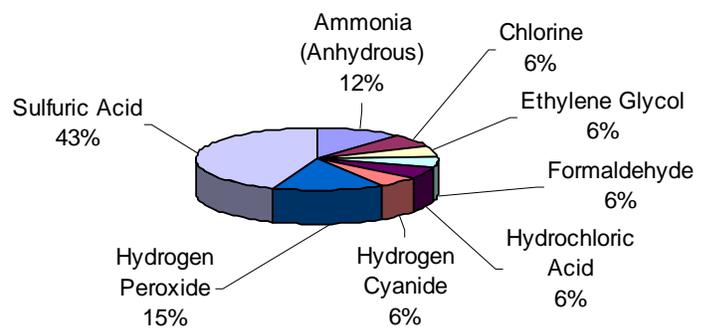
EHS Releases by Substance and Quantity: The following is a breakdown of the EHS released over this 12-month period. To ensure consistency, the total volume released was converted to pounds, using a factor of 1 gallon = 8 pounds. Sulfuric acid accounted for nearly 50% of the total number of releases. The number of anhydrous ammonia releases has been reduced significantly.

Substance	Number	Quantity (lbs)
Ammonia (Anhydrous)	4	258
Chlorine	2	4
Ethylene Glycol	2	136
Formaldehyde	2	10
Hydrochloric Acid	2	48
Hydrogen Cyanide	2	120
Hydrogen Peroxide	5	232
Sulfuric Acid	15	283
Total	34	1091

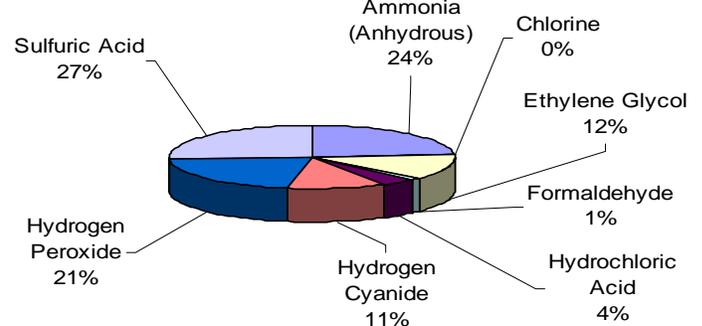
Significant EHS Releases: The significant EHS releases (100 lbs or greater) were as follows:

- 200 pounds (25 gallons) of hydrogen peroxide (September 19, 2006 – Interior Alaska)
- 112 pounds (14 gallons) of ethylene glycol (October 3, 2006 – Interior Alaska)
- 100 pounds of anhydrous ammonia (August 29, 2006 – Cook Inlet)
- 100 pounds of anhydrous ammonia (October 24, 2006 – Cook Inlet)

EHS Releases (Number of Incidents)

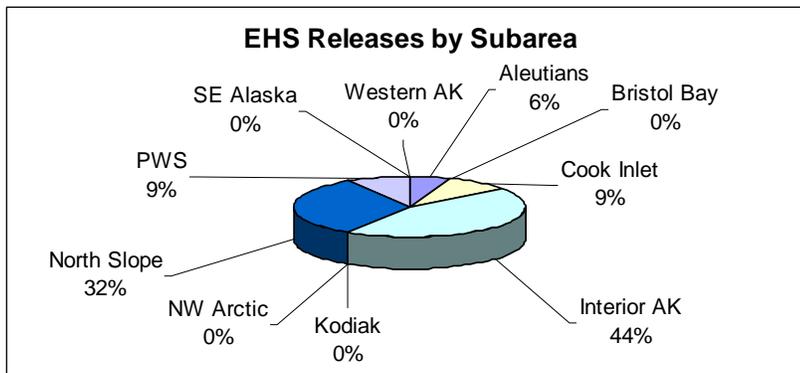


EHS Releases - Quantity (lbs)



EHS Releases by Location: In terms of EHS releases by subarea, Interior Alaska (44%) led the way, followed by the North Slope (32%). Several other subareas did not experience any reported EHS releases.

EHS Releases by Subarea	Number
Aleutians	2
Bristol Bay	0
Cook Inlet	3
Interior AK	15
Kodiak	0
NW Arctic	0
North Slope	11
Prince William Sound	3
Southeast Alaska	0
Western AK	0
Total	34



EHS Releases by Cause: Structural/Mechanical (47%) and Human Factors (32%) were the two leading causes of EHS releases in the State of Alaska.

EHS Releases By Cause	Number
Accident	5
Human Factors	11
Structural/Mechanical	16
Unknown	2
Total	34

