

PROJECT NAME: Industrial Hygiene Services – North Slope

PROJECT DESCRIPTION:

The client operates an oil spill response and clean up service for North Slope oil production companies. EIS' client underwent an audit by a client company in 1993 and pursued a final resolution of exceptions noted from that audit. The client wanted to establish a basic industrial hygiene compliance assessment and monitoring program.

EIS conducted necessary baseline industrial hygiene sampling and monitoring and outlined required program documentation needs for Alaska Occupation Safety and Health Department (AKOSH) compliance. The assessment conducted at the work site(s) by a certified industrial hygienist included conducting general noise surveys and dosimetry for personnel working on selected vessels, powered industrial trucks, and in the fabrication shop, and a survey for carbon monoxide generated by diesel trucks inside the warehouse. EIS also obtained IH air monitoring samples for nuisance dust generated by trucks inside the warehouse and for welding fumes (NOC) in the fabrication shop and other potentially affected areas. EIS conducted initial measurement of lighting illumination levels as well. EIS provided a report of findings and a scope of work for future services to meet AKOSH requirements.

The client wanted an easy to use system to explain the hazards and proper personal protection equipment (PPE) for different work tasks. EIS developed a system that allows an individual to easily find the task they are planning to perform and provides them with the following information:

- Clearly presents the main hazard
- Describes the likely exposure with the given conditions
- Provides the correct PPE

The client located in Deadhorse (North Slope) Alaska is tasked with Arctic oil spill cleanup and control. The client is a small organization with approximately thirty-five full time employees. The organization response structure is based on the Incident Command System (ICS) approach. Individuals may be assigned a wide variety of tasks both for pre-incident preparation and incident operations through post incident demobilization. The goal of the task oriented hazard and employee exposure assessment system designed for the client was to identify workplace safety and health hazards by task, assess the degree of physical and/or chemical hazard associated with selected tasks, and make non-arbitrary personal protective equipment and/or engineering recommendations. The system used an electronic worksheet (spreadsheet) to record the job category, task, physical hazard, chemicals or products used, and expected conditions. Thereafter, the primary hazard, exposure codes, PPE required, and special notes were completed.