

NSTC Curriculum Overview

NSTC is a joint training effort funded by BPXA, Caelus Energy, ConocoPhillips, Eni, ExxonMobil and Hilcorp. Membership is open to other companies operating on and offshore. The NSTC curriculum is based on the **ALASKA SAFETY HANDBOOKS** (BP ASH and ASH), and the **NORTH SLOPE ENVIRONMENTAL FIELD HANDBOOK**, which meet or exceed OSHA standards. NSTC courses are taught by instructors who have completed a qualification process. Operator and contractor companies have two training options. They may have one of their HSE specialists become a qualified NSTC Instructor to conduct classes for their own employees or they may send their employees to an NSTC Third-Party Provider, an independent training company licensed to teach the NSTC courses. Contact Jane Oakley, NSTC Manager, at joakley@apicc.org or (907) 743-6807 for more information.

Unescorted Course: 8 hours, Awareness Level

The 8-hour Unescorted Course is required for all employees prior to arrival on the North Slope. It consists of 6 modules (the 6-Pack) plus H₂S/FeS. Each module makes use of lecture, discussion, individual and small group exercises, and quizzes to involve employees in their own learning. Upon completion of the course, employees receive an NSTC card, which allows them to travel unescorted within and between the operating fields to which they are assigned.

- **Module I: Introduction, Camps and Safety Orientation** is an introduction to the unique working conditions at Alaska's North Slope oil and gas facilities and the importance of working safely.
- **Module II: Alaska Safety Handbooks** is an overview of the **ALASKA SAFETY HANDBOOKS** which provide the basic safety standards and requirements for daily tasks and projects in the operating areas on the North Slope.
- **Module III: Personal Protective Equipment** provides an overview of typical job hazards where personal protective equipment may be required to minimize the risk of injury.
- **Module IV: HAZCOM** reviews the components of a hazard communication program, the types of hazardous chemicals, and the resources available for identifying and controlling those hazards.
- **Module V: HAZWOPER, First Responder Awareness** focuses on the proper response to releases or potential releases of hazardous substances with special emphasis on the DOT Emergency Response Guidebook and DOT Pipeline Awareness.

- **Module VI: Environmental Excellence** emphasizes personal responsibility for following environmental rules and regulations relating to air, land, water, wildlife, spills, and waste management as detailed in the **NORTH SLOPE ENVIRONMENTAL FIELD HANDBOOK**.
- **Module VII: Hydrogen Sulfide/Iron Sulfide (H₂S/FeS)** is an introduction to the hazardous characteristics of H₂S and FeS and how to apply the standards and procedures for working safely in potentially hazardous areas.

Offshore Safety Awareness: 3-4 hours, Awareness Level

The Offshore Safety Awareness Modules provide a safety orientation for employees working on man-made islands, marine vessels, and oil/gas platforms in the Chukchi and Beaufort Seas.

- **Module I: Introduction, Cultural Awareness and Operations** is an introduction to the lifestyle and culture of Alaska Native people on the North Slope, the areas where offshore oil and gas operations are occurring, and the unique geography and weather conditions.
- **Module II: Offshore Travel** emphasizes the procedures for safe offshore travel by ice road, helicopter, crew boat or hovercraft.
- **Module III: Living and Working Safely Offshore** describes the unique offshore living conditions and emphasizes how to work safely on man-made islands, marine vessels, and drilling platforms.
- **Module IV: Offshore Environmental Concerns** emphasizes the importance of personal responsibility in following environmental rules and regulations to minimize the effects of offshore oil/gas drilling.

Job Specific Courses: User Level: 6-8 hours each

Energy Isolation is designed to ensure that workers are protected from injury due to unexpected release of energy during equipment maintenance and startup.

- **Module I** is an introduction, for affected and authorized workers, to the Energy Isolation Standard, the types of energy sources, potential hazards, and how to control them.
- **Module II** provides authorized workers with step-by-step procedures for isolating equipment using such techniques as lockout tagout, lockbox, blinding, misalignment, double block and bleed, and single valve isolation. It emphasizes each employee's responsibilities during those procedures using practice exercises and simulations.

Fall Protection reviews the hazards of working at height and the proper use of fall protection systems. It focuses on equipment types, acceptable anchorages, and practice in how to inspect, don, adjust, use,

doff, and maintain fall protection equipment. Employees learn how to make sure their PFAS has clearance for proper deployment and what to do if they or a co-worker falls.

Respiratory Protection is an introduction to the use of three types of respiratory protection.

- **Module I: Introduction to Respiratory Protection** is an overview of the hazardous conditions requiring the use of respirators, control measures, and the responsibilities of the employees and employers in a respiratory program.
- **Module II: APR** focuses on the conditions requiring the use of air purifying respirators, the equipment types, and how to inspect, don, doff, clean, and store the equipment.
- **Module III: SCBA** addresses the conditions requiring the use of the self-contained breathing apparatus, the equipment types and components, how to properly inspect, don, doff, clean, and store the equipment.
- **Module IV: SAR** identifies the conditions requiring the use of a supplied air respirator, the equipment types and components, and how to properly inspect, don, doff, clean, and store the equipment.

Confined Space Entry is an overview of the safety procedures for employees entering and working in confined spaces. It emphasizes the characteristics of a confined space, the permitting requirements, identifying hazards, the step-by-step procedures for entering and working in a confined space, the responsibilities of each team member, and rescue protocols.

Special Awareness Courses: Awareness Level, 1–2 hours each

Asbestos Awareness	Benzene Awareness	Electrical Safety Unqualified
Hearing Conservation	Hydrogen Sulfide/Iron Sulfide	Lead Safety Awareness
NORM	Static Electricity Awareness	Toxic Substances Control Act

**NPR-A, Balancing the Use, is a distance learning course which has to be taken on the ConocoPhillips external web site. Call the ConocoPhillips Training Director at 263-4681 for access to the site.*