

LNG - First Aid Measures

SWP-107

1.0 Purpose

To provide first aid information for all workers at the Yukon Energy Corporation Whitehorse Gas generating facility (WGO).

2.0 First aid guidelines

2.1 Inhalation/asphyxiation

Liquefied Natural Gas (LNG) is an asphyxiate capable of displacing air and creating an oxygen-deficient atmosphere. If someone is exposed to an LNG oxygen deficient atmosphere:

- Remove the person to an area where there is fresh air.
- Perform CPR if the person is not breathing.
- Administer oxygen to any person having difficulty breathing.
- Seek immediate medical attention.

2.2 Skin

LNG contact with skin may cause freeze burns and frostbite. If skin is exposed to LNG:

- Remove all contaminated clothing.
- Flush the contaminated area with cool or lukewarm water. **DO NOT** use hot water.
- Seek immediate medicate attention if blistering, freezing or frostbite occurs.

2.3 Eyes

LNG contact with the eyes may cause freeze burns, frostbite, and permanent eye damage. If there is an LNG incurred eye injury:

- Gently rinse eyes with lukewarm water; **DO NOT** use hot water.
- Open eyelids wide to allow LNG to evaporate.
- If eyes are sensitive to light, protect eyes with a clean cloth.
- **DO NOT** apply ointment or any other medication to the eyes unless directed to do so by authorized qualified medical personnel.
- Seek immediate medical attention.

2.4 Ingestion

Although ingestion is highly unlikely, LNG can cause freeze burns or frostbite to exposed mucous membranes. If LNG is ingested:

- **DO NOT INDUCE VOMITING**; this could allow LNG to be inhaled into the lungs, creating additional injuries.
- **DO** rinse the mouth with water; in sips.
- **DO NOT** give liquids to a person who is unconscious.
- Seek immediate medical attention.

2.5 Safety data sheet

First aid measures can be found in section 4 of a safety data sheet (SDS).

3.0 Reference documents

- SWP-100; LNG – General Site Rules.
- SWP-103; LNG – Personal Protective Equipment.
- SWP-106; LNG – Properties & Hazards.