**Public Protection Measures**

**Potential Health Impacts**

**Diluent (also known as Condensate)** is a pale yellow to brown liquid with a petroleum odor. It is a hydrocarbon mixture separated as a liquid from natural gas during the production process and used for feedstock for Petroleum Refineries. Diluent contains benzene, a proven human carcinogen.

**Main Hazards:**
- Extremely flammable
- High fire hazard
- Produces toxic fumes when burned
- Airborne concentrations may cause irritation and dizziness when inhaled
- Exposure may cause dizziness or loss of consciousness

**Health Impacts:**
- Inhalation or contact with material may irritate or burn skin and eyes
- Fumes may cause breathing difficulties and unconsciousness
- Runoff from the control or discharge water may cause pollution

**Dilbit (also known as Con Berth)** is a combination of Oil Sands Crude Oil (70-75%) and Diluent (25-30%). Dilbit products are also known as Condensate. Dilbit is added to increase the viscosity of the Oil Sands Crude Oil so that it can be transported via pipelines. Dilbit contains benzene, a proven human carcinogen.

**Main Hazards:**
- Extremely flammable as both a liquid and a vapor
- Vapors may cause asphyxiation or suffocation
- Vapors may cause dizziness or loss of consciousness
- Runoff from the control or discharge water may cause pollution

**Drubit** is a mixture of heavy crude oil and water. Drubit is often found in the bottom of pipelines and can cause fires or explosions if ignited. If Drubit is burned, it can produce toxic fumes and cause breathing difficulties.

**Main Hazards:**
- Moderately flammable
- Potential risks include fire and explosion
- Vapors may irritate or burn skin and eyes
- Fumes may cause breathing difficulties and unconsciousness
- Runoff from the control or discharge water may cause pollution

**Health Impacts:**
- Inhalation of material may irritate or burn skin and eyes
- Vapors may cause breathing difficulties and unconsciousness
- Runoff from the control or discharge water may cause pollution

**Notes:**

1. **Evacuation Procedure:** In the event of an emergency, evacuate immediately. Follow the instructions of the local emergency services.
2. **Procedures for Evolution:** Follow the emergency procedures outlined by the authorities to ensure the safety of all personnel.
3. **Leak Detection:** Use the proper equipment to detect leaks and notify the authorities immediately.
4. **Personal Protective Equipment:** Wear appropriate personal protective equipment when working with or near the affected area.

**24 Hour Emergency Number:**

1-866-553-0111

GIBSON ENERGY CONTACTS

Gibson Energy

Drum Room

662-886-8620

Hardisty Main Office

662-886-8620

Todd Baumgartner

Sr. EHS Advisor

780-352-0003

GOVERNMENT CONTACTS

AER - Emergency Response Line

M.D. of Provost No. 52

780-753-2434

The information presented is Environment Canada regulated.

**Click Before You Dig**

When work needs to be done within 30 metres of the pipeline right of way, you must have the pipeline located for you within 48 hours, free of charge.

This service can be arranged by visiting the following websites:

http://www.albertanecessall.com

1-800-242-3447 (Call Toll Free)