Potential Health Effects from HVP Products Exposure

SKIN Irritation of skin may occur and progress to dermatitis. One component, benzene, may be

absorbed through the skin.

EYES Irritation of eyes may occur.

BREATHING Breathingmistsorvapoursmaycauseaccumulation

inthelungsand/orcentralnervoussystemdepression, dizziness, headaches, giddiness, drowsiness, fatique,

nausea, unconsciousness or death.

SWALLOWING Swallowingmistsoryapoursmaycauseaccumulation | inthelungsand/orcentralnervoussystemdepression,

dizziness, headaches, giddiness, drowsiness, fatique,

nausea, unconsciousness or death.

LONG-TERM HAZARDS

Defatting and drying of skin may occur and cause dermatitis.Inhalationofonecomponent,benzene, hasbeen associated with blood disorders including anemiaandleukemia.Repeatedexposuretohigh vapourconcentrationsmaycauseeveandrespiratory irritation, giddiness, staggered gait, nausea, abdominalpain, loss of appetite, liverdamage, kidnev damage, and damage to the bone marrow including

cancer.

CARCINOGENICITY Benzene is listed with IARC, NTP, ACGIH or OSHA

as a carcinogen.

Potential Health Effects from LVP Products Exposure

SKIN Thisproductisamoderateskinirritantandrepeated or prolonged contact may defat the skin.

This product is a moderate eye irritant and could EYES

cause (days) impairment to your vision.

PotentialeffectstargettheCentralNervousSystem, BREATHING liverandkidneys.Thebenzenecomponentisaknown humancarcinogenthatmavresultinaplasticanemia andleukemia.Symptomsmayincludecoughing,itchy

throat, dizziness and drowsiness.

If ingested, abdominal cramping, vomiting and **SWALLOWING** diarrheamayoccur. Aspiration of liquid into the lungs

maycausechemicalpneumonia, severelungdamage.

CHRONICEFFECTS Potential chronic effects include peripheral

neuropathyandblurredvision.Chronicexposure has resulted in a plastic anemia, a cute my oblastic leukemia, bone marrow depression, córneal vacuolization erythroleukemia, and even death.

CARCINOGENICITY KnownCarcinogenNTP,KnownHumanCarcinogen

IARC Group 1 proven and Confirmed Human CarcinogenACGIHA1. Ethylbenzeneis classified as a

Possible Carcinogen IARC 2B.

Response Consideration

Environment, Health & Safety

Plains adheres to the highest environmental and safety standards throughout our organization. We provide a workplace that protects the health and safety of our employees, contractors and the communities surrounding our facilities.

Plains'operations are subject to stringent federal, provincial and local laws and regulations governing the discharge of materials into the environmentor otherwise related to protecting the environment.

Our Environment, Health and Safety (EH&S) Management Programs are at the core of our operations. These programs include management commitmentandleadership, employee training and awareness, inspections and audits, performance and achievement recognition, emergency prepared ness and response, communications and continuous improvement.

Notification

If you are contacted by Plains Midstream Canada to advise you of an emergency situation, the caller will:

- · Identify themselves by name.
- Announce that they are a Plains Midstream Canada representative.
- Describe the problem and what is being done.
- Give you instructions to protect your safety (shelter / evacuation).
- · Verify the information you have provided.
- · Address any concerns which you may have.
- Provide a telephone number which you can call to get additional information.

Emergency Contacts

If you suspect a problem at a Plains facility in your area, please call Plains Midstream Canada's 24-hour Emergency Response number:

1-866-875-2554

In the event of an emergency, Plains will be working with the Saskatchewan Ministry of Energy and Resources and local authorities.

Saskatchewan Ministry of Energy and Resources (ER)

Local Authorities

RM of Grass Lake No. 381 306-228-2988 RM of Hearts Hill No. 352 306-372-4224 RM of Mariposa No. 350 306-834-5037 RM of Oakdale No. 320 306-965-2281 RM of Wilton No. 472 306-387-6244

AMBULANCE/POLICE/FIRE 9-1-1

Pipeline Safety

Keeping Pipelines Safe and Reliable



Public Awareness Information for landowners and area residents related to Plains Midstream Canada's Manito Facilities.

- Emergency notification
- Public protection measures

JUNE 2022



Our Operations in your Area

Plains Midstream Canada ULC (Plains) is the operator of Manito Pipeline System (MPL) which consists of the North Saskatchewan Pipeline, Senlac Pipeline and Cactus Lake Pipeline and the Manito Pipeline. These pipelines are considered sweet as they flow Low Vapour Pressure (LVP) products consisting of blend/condensate. As there are storage tanks a containing substances in excess of thresholdlimits listed in Schedule 1 of the Canadian Environmental Protection Act (CEPA), Environmental Emergency (E2) plans have been developed for key facilities to meet Environment and Climate Change Canada Environmental Emergency Regulations, 2019: SOR/2019-51. Included below are the calculated Emergency Planning Zones (EPZs), including the substances stored at each regulated facility. Refer to the map on the back of this brochure for more details.

PMC Cactus Lake Pump Station 01-34-35-28 W3M E2 Regulated Substances: Condensate, Crude Oil Emergency Planning Zone: 351 m

PMC Kerrobert Station 10-34-33-22 W3M E2 Regulated Substances: Condensate, Crude Oil Emergency Planning Zone: 961 m

PMC Lone Rock Station 09-10-47-27 W3M E2 Regulated Substances: Condensate, Crude Oil Emergency Planning Zone: 496 m

PMC Unity Station 13-02-40-24 W3M E2 Regulated Substances: Condensate, Butane, Crude Oil Emergency Planning Zone: 768 m





Plains Midstream Canada's 24-hour emergency number 1-866-875-2554

High Vapour Pressure (HVP) Products

HVP products include propane, butane, pentane, and Natural Gas Liquids (NGLs). Atatmospheric pressure, HVP products are gases. Under pressure, HVP products exist in a liquid state. In humid air, a leak of an HVP product may form a visible white cloud of cold vapour considerably heavier than air. Under extreme conditions, pools of super-cooled liquid may briefly form. When HVP products vapourize, they expand (70 to 300 times) and can form a plume, which may drift downwind from the source under moderate winds peed conditions. Under higher winds peed conditions, the vapour would dissipate faster.

Main Hazards:

- Potential explosion hazards from delaying ignition of drifting vapour cloud.
- Fire hazard from burning gas and radiant heat.
- Critical hazard because of oxygen deficiency as expanding gas cloud or plume displaces air at ground level.

Low Vapour Pressure (LVP) Products

LVP products are generally limited to hydrocarbon condensate which remains in aliquid state at atmospheric pressure. LVPs are heavier than air and collectin low places or depressions in the ground. LVPs are clear, pale golden flammable liquids with an odour similar to gasoline.

Main Hazards:

- Fire hazard and intense heat if condensate is ignited.
- Potential explosion hazards if condensate vapours seep into enclosed areas.
- · Contamination of soil and water.
- Products can flow under snow or ice, making the actual spill area larger than it appears.
- Breathing mists or vapours may cause accumulation in lungs and/or central nervous system resulting in dizziness, headaches, depression, giddiness, drowsiness, fatigue, nausea, unconsciousness or death.

If You Suspect a Problem

PleasecallPlainsMidstreamCanada's24-houremergencynumberif you suspect a problem (1-866-875-2554).

While the chance of an uncontrolled spill or problem is remote, the Plains Emergency Response Plan (ERP) for this area is in place to ensure your safety. If a leak should occur, emergency crews will take immediate steps to minimize the risk to the public and environment. Additional emergency response personnel will be notified and dispatched to the area to safely manage the emergency.





Public Protection Measures Evacuation, Shelter & Ignition Procedures

Evacuation Procedures

If it is necessary to evacuate, you will be contacted by telephone immediately. If there is no answer to our calls, we will proceed to your residence to inform you of the situation. The following steps should be taken if "Evacuation" procedures have been implemented:

- · Gather all residents and bring any medicines required.
- · Lock all windows and doors.
- Turn down thermostat and shut off any air exchange fans to outside.
- $\hbox{-} Drives a fely on the route provided and proceed directly to the evacuation centre and check in$
- with the representative.
- Wait for further instruction.

Shelter-in-Place Procedures

If you are advised to stay sheltered, do not leave your house or attempt to start any vehicles until a Plains representative advises you that it is safe to do so. The following steps should be taken if "Shelter-In-Place" procedures have been implemented:

- Immediately gather everyone indoors and stay there.
- Tightly close and lock all windows and outside doors, if convenient, tape any gaps around exterior door frames.
- •Extinguishindoorwood-burningfiresandclosefluedampersifpossible.
- Turn off appliances or equipment that either blows out or uses indoor air, such as:
 - furnaces built-in vacuum systems qasstoves
 - kitchen fans clothes dryers air conditioning
 - bathroom fans gas fireplaces ventilators
- Turn off appliances or equipment that suck in outdoor air, such as
 - Heating, ventilation, and air conditioning (HVAC) systems
 - ${\color{red} \bullet} Fans for heat recovery ventilators or energy recovery ventilators$
 - Turn down furnace thermostats to the minimum setting, turn off air conditioners
- · Leave all inside doors open.
- Wait in an interior room upstairs for further instruction.
- Avoid using the telephone, except for emergencies, so that you can be contacted by Plains emergency response personnel.
- $\hbox{-Call Plains if you are experiencing symptoms, smelling odours or have contacted government agencies (so the response can be coordinated). } \\$
- ${\bf \cdot} Stay tuned to local radio and television for possible information updates.$
- Even if you see people outside, do not leave until told to do so.
- If you are unable to follow these instructions, please notify Plains emergency response personnel.

After the hazardous substance has passed through the areayou will receive an "all-clear" message from Plains emergency response personnel. You may also receive, if required, instructions to ventilate your building by:

- opening all windows and doors turning on fans
- turning up thermostats

During this time the air outside may be fresher and you may choose to leave your building while ventilating. Once the building is completely ventilated, return all equipment to normal settings and operation.

Ignition Procedures

If it is determined that ignition is required, the Incident Commander is fully authorized to ignite the release at the pipeline, facility or terminal. Ignition of the gas source would ensure your safety if evacuation was not practical.

