

# Supplemental Release Report

Initial notification of the release to the NT-NU 24 Spill Report Line and the CER's Online Event Reporting System was completed at the time of the release. This report is a supplement to the initial report.

General Information			
NT-NU 24 Spill Report #	2023350	CER Incident #	INC2023-140
Incident Date:	August 16, 2023	Time: 2:00	am <input type="checkbox"/> pm <input checked="" type="checkbox"/>
Incident Location: Central Processing Facility <input type="checkbox"/> Bear Island <input type="checkbox"/> Goose Island <input type="checkbox"/> Mainland <input checked="" type="checkbox"/> Other <input type="checkbox"/> – If other, location:			
Licencee Name: Imperial Oil N.W.T. Limited		Licence no.: S13L1-007	
Form completed by:	Benjamin Fraser	Phone Number:	587-962-4272

Volume Details		
If volumes changed from initial report an update has been sent into the NT-NU 24 Hour Spill Report Line and the NEB's Online Event Reporting System.		
Product released?	Volume released	Contained
Crude Oil / Produced water emulsion	1.5 m <sup>3</sup> (contained in utilidor), 0.5 L released to environment	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	m <sup>3</sup>	Yes <input type="checkbox"/> No <input type="checkbox"/>
	m <sup>3</sup>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Impacted soil storage: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Location: Impacted surficial soil from 0.5L release was fully recovered via surficial scrape and stored in approved on-site containment bin for eventual off-site disposal.		

Flowline Incident Details			
Flowline no.: Line# 40	Diameter: 8" OD	Year Installed: 1980	Aboveground <input checked="" type="checkbox"/> (in utilidor) Buried <input type="checkbox"/>
Flowline returned to service: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Repair efforts ongoing)			

Clean Up
Status: Complete <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> – If ongoing, anticipated clean up completion date:
Operational clean-up details: Impacted surficial soil from 0.5L release was fully recovered via surficial scrape and stored in approved on-site containment bin for eventual off-site disposal.

Incident Details
<u>Description of circumstances leading up to the release:</u> Flowline was operating under normal conditions up until the discovery of the leak outlined below. There were no signs of a release to the environment along the ROW of the utilidor as the released product was fully contained within the utilidor.
<u>How was the release identified:</u> Contractor working in area noticed what sounded like a release from inside of an above ground flowline utilidor located in Mainland East. Upon investigation, panels were removed from the utilidor wall to gain access to the flowlines within and a small pinhole was identified in Line 40, an 8" emulsion line. Released product was observed contained within the utilidor near the release point on the line.
<u>Steps taken to minimize, control, or stop the release:</u> Upon discovery, the flowline was promptly shut-in, de-watered and blinded at both ends while recovery efforts began. Access to utilidor was created after removing utilidor panels. All of the released fluids were fully contained within the utilidor and recovered via vac trucks on-site. Utilidor ROW was inspected to confirm no released product reached the environment outside of the utilidor. Approx. 0.5L of the released emulsion product was released to the environment below the utilidor while removing panels during recovery efforts.
<u>Root cause and causal factors of the release:</u> During investigation efforts, it was determined that the small pinhole in Line 40 was caused by localized external corrosion between the pipe support and flowline within the utilidor due to trapped moisture.

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Corrective actions, if any: Once the line was safely shut-in and clean-up activities were completed, several corrective actions were developed as part of the incident investigation findings. A 1m section of Line 40 flowline containing the small pinhole was removed. The replacement scope of work to replace the 1m section with pretested pipe is nearing completion with reinstatement of Line 40 planned in the coming days. Closure welds were inspected with non-destructive examination (NDE) and X-ray methods. Visual inspections have been completed in additional areas along Line 40 with similar conditions (low-lying pipe within the utilidor, possibility of pooling moisture). Areas of concern were documented by operations and were included in the integrity inspection of the line that was completed using long range ultrasonic testing (LRUT) and ultrasonic testing (UT). Results of this inspection yielded no additional areas of concern. LRUT and UT will also be completed on an additional line within the same utilidor (4" gas Line 201) which is currently ongoing.

Additional comments: N/A