

**APPENDIX 15 2023 NON REPORTABLE SPILLS**

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Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
Tuesday, January 10, 2023 4:00:00 PM	Hydraulic oil	5.00	L	New CIL	Failure of the hydraulic hose on the gene-lift caused 5 L of hydraulic oil to be released on the ground at the CIL construction area.	Spill pads were used to capture the leak and the hydraulic hose was replaced immediately. Contaminated snow was placed into a barrel for later disposal.
Saturday, January 14, 2023 10:00:00 AM	Hydraulic oil	20.00	L	KCG maintenance shop yard	During the 20-0901 drill maintenance, a centralizer hose failed and hydraulic oil spilled on the ground.	A spill pad was placed under the spilling area properly. Contaminated snow was recovered and placed in the Snow Cell.
Wednesday, January 18, 2023 10:30:00 PM	Engine Oil	94	L	Portal 1 at the Dome 3, behind the dome	Two oil barrels buried in the snow were punctured when heavy equipment was attempting to move other equipment in the area. Approximately 94 L of oil was spilled on the industrial pad.	The punctured barrels, contaminated snow and gravel were placed in Quatrex bags for storage and offsite disposal.
Friday, January 20, 2023 2:30:00 PM	Hydraulic oil	15.00	m3	North side of SP4	An oil leak occurred on a drill on the north side of SP4.	The equipment was stopped. Spill pads were used to collect the drips and disposed of as hazmat. Contaminated snow was removed and placed in the contaminated snow cell.

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Wednesday, January 25, 2023 3:30:00 PM	Transmission oil	1.00	L	TSF Cell 2	Approximately 1 L of transmission oil leaked from a pick-up truck.	Contaminated snow and ice was cleaned up with a shovel and pail and sent to Landfarm A.
Sunday, January 29, 2023 3:30:00 PM	Engine Oil	1.00	L	Intersection by fountain tire	A 5-gallon pail of absorbent rags and oil fell out of a pickup truck when the door was opened, spilling less than a liter of oil on the industrial pad.	The spilled material was cleaned up immediately and placed in a quatrex bag for disposal at the Hazmat lay-down area.
Tuesday, January 31, 2023 12:00:00 PM	Hydraulic oil	20.00	L	Drill SH-102 at Tiri01	A malfunction occurred on the Drill SH-102 motor in TIRI-01 and caused it to shut down. During the repair, the motor did not run for an extended amount of time (approx. 5 hrs). The extreme weather outside had a harsh effect on the equipment. When the drill crew restarted after the motor repair, the drill's water cooler for the oil tank (0w40) failed, and approximately 20 L of oil leaked from the cooler onto the side of the water hoses and made contact outside of the drip pan already in	The employee closed the hydraulic valve to stop leakage, pickup contaminated snow, installed absorbent pads to clean the inside of the drill and replaced the drip pan outside. Contaminated materials were placed in a Quatrex bag for disposal as hazmat.

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					place. Most of the released oil was contained within the drill and drip pan outside.	
Sunday, February 12, 2023 9:00:00 AM	Coolant	10.00	L	WRSF 3	The coolant pump on a Haul truck broke, spilling 10L of coolant on WRSF3.	Equipment was stopped. Contaminated material was collected and disposed of as Hazardous material.
Sunday, February 12, 2023 9:00:00 AM	Coolant	2.00	L	MSB Shop	A leak on the coolant tank of a Haul truck spilled approximately 2 L of coolant on the industrial pad at the MSB maintenance shop.	Haul truck was brought into the maintenance shop to be repaired. Contaminated material was collected, disposed in quatrex bag and brought to the hazmat laydown.
Thursday, February 16, 2023 9:00:00 AM	Hydraulic oil	10.00	L	TIRI01	Excavator operator was loading a haul truck with overburden when he noticed a leak of a hydraulic line from his equipment. This resulted in a 10 L spill of Hydraulic oil in TIRI 1.	Absorbent pads were used to collect the oil and to wrap the hose while waiting for mechanics. Absorbent pads were disposed of in quatrex bags and 2m3 of contaminated material was moved to Landfarm A.

Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
Monday, February 20, 2023 3:00:00 PM	Diesel Fuel	2.00	L	Foldaway parking lot	The fuel filter on a pickup truck failed while being used. Approximately 2L of diesel fuel was spilled onto the industrial pad.	Absorbents pads were used to collect the spill and a bucket was used to contain the leak. Contaminated material was cleaned up and disposed of in Landfarm A.
Tuesday, February 21, 2023 3:00:00 AM	Diesel Fuel	20.00	L	Fueling Station	While filling a pickup truck, the diesel pump nozzle got stuck spilling 20 L of diesel into the drip tray and within the lined area of the fueling station.	The pump was shut off. The contaminated material was cleaned up and placed in Landfarm A.
Tuesday, February 21, 2023 7:30:00 AM	Hydraulic Oil	5.00	L	Bus Parking	The hydraulic line on the Hyster leaked, spilling a 5 L of hydraulic oil in the MSB parking lot	Absorbent pads were used to collect the spill. Approximately 0.5 m3 of contaminated snow and ice was disposed of at Landfarm A.
Wednesday, February 22, 2023 10:00:00 PM	Hydraulic oil	60.00	L	Fountain Tire pad	A hydraulic hose failed on a haul truck, resulting in a 60 L hydraulic oil spill on the industrial pad.	The equipment was shut down and absorbent pads placed to contain the spill. The contaminated material was cleaned up and placed in Landfarm A.
Saturday, February 25, 2023 4:00:00 AM	Hydraulic oil	15.00	L	KCG parking area	A hydraulic line failed on a haul truck resulting in a 15 L hydraulic oil spill on the KCG parking pad.	Absorbent pads were placed to contain the spill. Contaminated material was scrapped off with a shovel and disposed of in a quatrex bag.

Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
Saturday, February 25, 2023 11:00:00 AM	Hydraulic oil	60.00	L	TIRI01	Driller was operating a surface drill in TIRI01 when a hydraulic line failed spilling 60 L of hydraulic oil on the ground.	The drill was stopped and clean up initiated. Absorbent pads were used to collect the fluid and a shovel was used to clean up the contaminated material. Contaminated material was disposed of as hazardous material.
Sunday, February 26, 2023 7:00:00 AM	Transmission Fluid	1.00	L	MSB Parking	A transmission oil leak was identified under a pickup truck in the MSB parking lot. An estimated 1 L of transmission oil was spilled onto the industrial pad.	Absorbent pads were used to collect the spill. Contaminated material (snow and ice) was cleaned up and disposed of at Landfarm A.
Tuesday, February 28, 2023 4:30:00 AM	Hydraulic oil	30.00	L	TIRI01	Operator was backing up at the excavator to get loaded. He did not see a rock on the ground and ran over it. The rock hit a hydraulic line resulting in a leak of 30 L hydraulic oil.	Absorbent pads and a bucket were used to contain the spill. The line was repaired, and cleanup was initiated. The contaminated material was disposed of in Landfarm A.
Tuesday, February 28, 2023 3:30:00 PM	Engine Oil	4.00	L	South of Mill	A compressor failure caused a release of compressor engine oil. This resulted in a spill of 4 L of Engine oil on the industrial pad.	Absorbent pads were used to contain the spill. The contaminated material cleaned up with an excavator and placed into quatrex bag for disposal as hazardous waste.

Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
Thursday, March 02, 2023 5:30:00 AM	Hydraulic oil	20.00	L	Dome Portal 2	An hydraulic hose on the Hyster boom failed resulting in a 20 L spill within the Portal 2 dome.	The Hyster was turned off and the hose repaired. Absorbent pads were used to collect the spill and were placed in oily rags quatrex bag at Portal 2. The ground was scrapped, approximately 25 kg of gravel was brought to landfarm A.
Friday, March 03, 2023 5:30:00 PM	Hydraulic oil	40.00	L	TIRI01	A hose was leaking oil on an excavator, resulting in a 40 L spill in Tiriganiaq Open Pit 1.	The excavator was stopped, and the hose repaired. Absorbent pads were used and contaminated materials (overburden) were recovered and placed in the Landfarm.
Sunday, March 05, 2023 11:30:00 AM	Hydraulic oil	20.00	L	TIRI01	An operator found a hose that was split on an excavator, resulting in a 20L spill in Tiriganiaq Open Pit 1.	The equipment was shut down and brought to maintenance to be repaired. Contaminated soil was recovered and placed in the Landfarm.
Tuesday, March 07, 2023 4:30:00 PM	Hydraulic oil	5.00	L	Main road in front of ERT building	A hydraulic hose failed on an aerial work platform, resulting in a 5L hydraulic oil spill.	Absorbent pads were used. Contaminated material (mix of snow and soil) was recovered and disposed of in a Quatrex bag.

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Thursday, March 09, 2023 5:30:00 PM	Hydraulic oil	15.00	L	New CIL laydown	Hydraulic hose failed on AWP resulting in a 15L Hydraulic oil spill.	Absorbent pads use to contain the spill and contaminated material was disposed of in quatrex bag.
Monday, March 13, 2023 4:15:00 PM	Coolant	4.00	L	WRSF3	A failed coolant line on dozer #21 resulted in a 4 L coolant spill on the Waste Rock Storage Facility 3.	Equipment was shut down. Absorbent spill pads were placed under the leak to collect the coolant. Contaminated material was placed in a 45 gallons drum for disposal as hazardous material.
Friday, March 17, 2023 6:30:00 AM	Diesel fuel	20.00	L	Gatehouse generator seacan	A diesel fuel leak was observed from a fuel line inside the gatehouse generator seacan. The diesel made its way out of the generator seacan and on the Gatehouse pad resulting an estimated 20 L of diesel spill.	The leaking hose was repaired. Contaminated material was collected with a shovel and disposed of in the contaminated snow cell.
Monday, March 20, 2023 6:00:00 PM	Engine oil	2.00	L	New Verti Mill	Worker reported that engine of pick-up truck had a malfunction resulting in an approximately 2L of engine oil to be released.	Absorbent pads were used. The area was scraped and contaminated material was placed in quatrex bag for disposal.



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Tuesday, March 28, 2023 4:00:00 PM	Hydraulic oil	50.00	L	Dome 3	At the Dome 3 pump Station, a new worker connected the hydraulic hose to the fuel truck and left it unattended with the timer, causing the fuel to overflow. This resulted in a 50L hydraulic oil spill.	Absorbent pads were immediately put in place to contain the spill. Contaminated material was disposed of in a Quatrex bag.
Friday, March 31, 2023 10:30:00 AM	Coolant	50.00	L	TIR01 ramp	Haul truck was driving loaded heading out of the ramp. A coolant line failed resulting in a 50L spill.	The engine was stopped. The ramp was scrapped and the contaminated material was disposed of in a Quatrex bag.
Tuesday, April 04, 2023 2:30:00 AM	Hydraulic oil	5	L	WRSF3 overburden lift	A dozer tilted on its side, and the cylinder hose started to leak.	Operator stopped the equipment. Absorbent pads were deployed to contain the spill and were disposed of as per procedure.
Thursday, April 06, 2023 2:30:00 AM	Hydraulic oil	60	L	TIRI-01	During the night shift, a worker noticed oil leaking from a drill. A hydraulic oil hose failed due to wear and tear or friction between the hoses.	The drill was stopped. Absorbent pads were used and disposed as hazmat. A loader was used to scrape remaining contaminated material and 0.5m3 of material was brought to Landfarm A.

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Thursday, April 06, 2023 12:00:00 PM	Diesel Fuel	2	L	Loading station itivia	A minor leak occurred during the loading of the fuel trucks from the loading arm.	The loading was stopped. Grease was applied. Absorbent pads were used to collect the spilled material, and some was wrapped around the arm to prevent this event to occur again. Contaminated material was disposed of in the designed barrel at the loading station.
Friday, April 07, 2023 10:00:00 AM	Radiator Antifreeze	5	L	Construction laydown	Radiator from a tractor trailer got punctured due to a damaged rotor of fan.	Gravel/snow was scrapped and placed in a glycol waste quatrex bag.
Saturday, April 08, 2023 10:15:00 AM	Diesel Fuel	70	L	KCG shop yard	Pickup truck #20-0022 was fueled in order to move it in the garage. After moving the pickup truck, the workers noticed a 70 L fuel spill where it was parked. The fuel - water separator filter cap was removed.	Absorbent pads were placed on the spill and were disposed of in a designated quatrex bag. Contaminated snow was collected and disposed of in the contaminated snow cell. In addition, an estimated of 0.5m3 was scrapped from the surface and brought to the KCG hazmat laydown for disposal.
Saturday, April 08, 2023 3:30:00 PM	Hydraulic oil	6	L	New CIL	During normal operations, a hydraulic hose broke on an aerial work platform. Further investigation discovered that the hydraulic hose	Absorbent pads were used. Contaminated material (snow) was removed and disposed of properly.

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					was not properly crimped.	
Monday, April 10, 2023 8:30:00 AM	Hydraulic oil	25	L	Haul road	While moving the pilling crane on the haul road, a hydraulic hose failed.	Absorbent pads were used to contain the spill. Contaminated material was scrapped and 1 m3 was brought to the Landfarm A.
Monday, April 10, 2023 10:00:00 AM	Hydraulic oil	10	L	Industrial Pad	An excavator hydraulic oil line failed resulting in a 10 L hydraulic oil spill onto the industrial pad.	Absorbent pads were used to contain the spill and were disposed of in a designated drum. Contaminated material was collected and placed in a designated quatrex bag.
Friday, April 14, 2023 10:00:00 AM	Hydraulic Oil	10	L	TIRI01	An excavator hydraulic oil line failed resulting in a 10 L hydraulic oil spill in TIRI01.	Equipment was stopped. Absorbent pads were used to collect the spill and disposed of it in designated area. 1 m3 of contaminated material was scrapped and placed in the Landfarm A.
Saturday, April 15, 2023 8:00:00 AM	Coolant	40	L	TSF cell 2	A haul truck coolant line failed resulting in a 40 L coolant spill on the TSF.	The operator stopped the equipment. Absorbent pads were used to collect the spill and disposed of in as hazardous waste.

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Sunday, April 16, 2023 8:00:00 AM	Waste oil	75	L	Maintenance Yard hazmat area	A worker was moving a waste oil tote into a seacan. When aligning the tote in the seacan the fork of the equipment punctured the tote resulting in a 75 L waste oil spill onto the industrial pad.	Absorbent pads were used to contain the spill and disposed of in a designated drum. 250 L of contaminated snow and ice were disposed of in a designated drum.
Monday, April 17, 2023 10:00:00 AM	Hydraulic oil	17	L	TIRI01	While driving in TIRI01, a worker tipped over a hydraulic oil pail spilling 17 L of hydraulic oil in TIRI 01.	Absorbent spill pads were used to clean up the spill and disposed of in a designated containment. 1.5 m3 of contaminated soil was collected and disposed in Landfarm A.
Saturday, April 22, 2023 6:30:00 AM	Copper Sulfate	0,25	L	North of Process Plant	While cleaning the floor in the reagent laydown area inside the process plant, 0.25 L water mixed with a few ounces of copper sulphate made its way under the north overhead door and froze outside.	The contaminated material was removed with a skid steer and placed in the Detox sump for processing through the plant.
Tuesday, April 25, 2023 9:00:00 AM	Diesel Exhaust Fluid	15	L	MSB OUTSIDE BAY 6	A tote of used DEF was placed outside over the winter. The tote cracked and during the warmer weather, the DEF started to melt and spilled approximately 15 L in the maintenance yard.	The spill was contained using absorbent pads placed to collect the fluid. 2 L of contaminated soil/sludge was collected and placed in a barrel for disposal as hazardous material waste.

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Thursday, April 27, 2023 11:00:00 AM	Engine oil	3	L	Dome 1	3 L of engine oil was discovered on the ground by Dome 1.	Contaminated snow was collected and disposed of in the snow cell.
Thursday, April 27, 2023 5:30:00 PM	Hydraulic oil	25	L	TIRI01	Rotation head of the drill was leaking resulting in a 25L hydraulic oil spill.	The drill was stopped. Absorbent pads were used to clean the spill and disposed of in a quatrex bag. To prevent future spill, secondary containment was placed under this area.
Friday, May 05, 2023 1:30:00 AM	Hydraulic Oil	10	L	TIR01	A hydraulic hose on a drill failed while operating causing an approximately 10L spill of hydraulic oil. The rupture was caused by wear on the hose.	The operator stopped the equipment immediately. Absorbent pads were used and disposed of as hazmat.
Friday, May 05, 2023 2:00:00 PM	Hydraulic Oil	5	L	North Side of Process Plant	Hydraulic oil was noticed in the snow. No vehicles were parked around the area; the cause of the spill is unknown.	Contaminated material was removed with an excavator and brought to the Landfarm A.
Saturday, May 06, 2023 11:30:00 AM	Hydraulic Oil	2.5	L	KCG laydown	After filling the primary jaw crusher with a hydraulic oil, a metal part kept the lid from closing properly. When the equipment was used after, approximately	The equipment was stopped. Absorbent pads were used and disposed of as hazmat.

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					2.5L of hydraulic oil was spilled.	
Wednesday, May 10, 2023 8:00:00 AM	Hydraulic Oil	90	L	West vent raise	A hydraulic oil line failed resulting in a 90 L hydraulic oil spill onto the industrial pad on the west side of vent raise.	Approximately 30m3 of contaminated material was recovered and moved to the Landfarm A sorting area.
Sunday, May 14, 2023 11:00:00 AM	Hydraulic Oil	10	L	West vent raise	A hydraulic line on a compressor failed, resulting in a 10 L hydraulic oil spill onto the industrial pad at the west vent raise.	The equipment was stopped. Absorbent pads were used and disposed as hazmat. Contaminated material was collected and approximately 1 m3 of material was brought to the Landfarm A sorting area.
Sunday, May 21, 2023 4:00:00 PM	Non-contaminated water	400	L	Under the Kitchen	When working at the kitchen, employees found the drain line of the steam tables cracked and leaking water under the kitchen. Inspection determined that the drain line could only release water.	No cleanup required (only non-contaminated water was spilled and the ice will melt with time). Ongoing investigation is conducted to establish the cause of the spill.

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Sunday, May 21, 2023 4:30:00 PM	Hydraulic Oil	4	L	Verti Mill	A hydraulic valve on a cement truck failed resulting in a 4 L hydraulic oil spill onto the industrial pad, south of the process plant.	Absorbent pads were used and disposed as hazmat. The contaminated material was recovered and placed in a quatrex bag.
Monday, May 22, 2023 6:30:00 PM	Diesel	35	L	Esker pad	E&I operation was dismantling a bus with the excavator when the operator noticed fuel coming out of the fuel tank of the bus. Approximately 35 L of diesel was spilled onto the Esker pad.	The equipment was stopped. Contaminated material was collected. Contaminated wood was disposed of at the burn pad and 1m3 of contaminated soil was brought to Landfarm A.
Tuesday, May 23, 2023 11:00:00 AM	Hydraulic Oil	80	L	E&I parking lot	An employee was carrying out the post-maintenance road test before returning a loader to service, when a malfunction occurred in the hydraulic system, causing a valve to rupture and spill approximately 80 L of oil onto the ground.	The equipment was stopped. Absorbent Pads were used, contaminated materials were disposed of as hazmat.
Tuesday, May 23, 2023 1:00:00 PM	Hydraulic Oil	50	L	WRSF3 Crushing muck pad	The operator of an excavator was retrieving material from the bottom of a muck pile. As he reached for a stone, he struck the crusher feeder boom, damaging a valve box and spilling around	The equipment was stopped. Contaminated material was collected and brought to Landfarm A.

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					50L of hydraulic oil.	
Monday, May 29, 2023 12:30:00 PM	Diesel	1,500	L	Itivia Tank farm	During a fuel transfer at the Itivia Tank farm, the AEM fuel Tanker overflowed by the back and the top vent resulting in an approximately 1500 L spill of diesel. The spill occurred inside the refueling area which is a contained, lined area.	The employee stopped the fuel transfer immediately and all valves were closed on the fuel tanker. The spill will be collected using the sucker truck and brought back to Meliadine site to existing water treatment infrastructure.
Sunday, June 04, 2023 11:30:00 AM	Hydraulic Oil	40	L	OP2 extension	A hydraulic hose failed, leaking 40L onto OP2 extension.	Contaminated materials were collected and disposed of in the Landfarm sorting area.
Monday, June 05, 2023 6:00:00 AM	Sodium Nitrate	1	kg	Warehouse Laydown	A 25kg bag of Sodium Nitrate was ripped and 1 kg was spilled on the ground.	The area was cleaned. Contaminated material was placed in a hazmat container for disposal off site.



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Monday, June 05, 2023 11:30:00 PM	Engine Coolant	25	L	TIRI01C-10050MS02	Engine coolant hose break on an Excavator and spilled 25L into Tiri-01.	Equipment was stopped. Absorbent pads were used to collect the spill and disposed of according to procedure
Tuesday, June 06, 2023 8:30:00 AM	Diesel	5	L	Foldaway trailer	A 5L diesel spill was found under a van.	Absorbent pads were used to clean-up the spil.
Thursday, June 08, 2023 5:00:00 AM	Hydraulic Oil	5	L	B10 quarry KM20 AWAR	A hydraulic line failure on a dozer resulted in a 5 L hydraulic oil spill at quarry B10.	Absorbent pads were used to collect and clean up the spilled material. The contaminated material was placed in a hazmat container for disposal off site.
Thursday, June 08, 2023 5:00:00 PM	Hydraulic Oil	40	L	WRSF3 crusher pad feed pile	A cylinder hose on an Excavator failed, releasing 40 L of hydraulic oil.	The excavator was shut down. Absorbent pads were used to collect the spill and disposed of as hazmat. Oil covered rocks were placed in WRSF3.
Sunday, June 11, 2023 12:00:00 PM	Grease Water	20	L	Kitchen	The kitchen grease trap overflowed, and around 20L of water spilled out the entrance to the building. The grease trap lift station does not come in contact with sewage;	Once the level of the tank was reduced, the plumber was able to troubleshoot and find that the floats had become coated in grease and inadvertently stuck to the side of the basin. Without these floats raising with the water

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					grease trap water gets pumped to the main camp lift station (sewage) which then gets pumped over to the Sewage Treatment Plant	level, the pumps were not able to receive a signal to run. Floats were cleaned and system tested and deemed to be fully functional once again. Contaminated material was collected in plastic pails.
Saturday, June 17, 2023 3:30:00 PM	Hydraulic Oil	7	L	Tiri-02 ramp	The stabilizers hydraulic on a Backhoe failed, resulting in a 7L spill into Tiri-02.	Contaminated material was recovered and placed in the Landfarm sorting area.
Sunday, June 18, 2023 11:30:00 PM	Treated Water	600	m3	Downstream side of D-CP1	When the discharge rate from the EWTP to Meliadine Lake was being increased, a rubber gasket failed on the discharge line, releasing around 600 m3 of treated water on the downstream side of DCP1. The wrong type of gasket was installed.	The discharge was stopped immediately, and the pipe repaired.
Saturday, July 08, 2023 11:00:00 AM	Hydraulic Oil	3	L	WRSF3 crusher pad	A hydraulic line leaked on a water truck, resulting in a 3L hydraulic oil spill.	The equipment was stopped. Absorbent pads were used and disposed of in a quatrex bag. Contaminated materials were collected and disposed of in the Landfarm.

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Sunday, July 09, 2023 5:00:00 AM	Non-Contaminated Water	30	L	Under Kitchen	During corrective inspections being conducted on the kitchen plumbing, it was found that the drain line for the dish pit was weeping. Upon insulation being open to investigate further, it was noted that the PVC piping had disconnected from the elbow feeding from the kitchen drain. This water did not touch the grey water lines and did not touch any sewage. The elbow contained only water with vegetable debris.	Absorbent pads were used to collect the spill and were disposed of in the incinerator since it contained food waste. Insulation was completely removed and piping was re-glued to the elbow.
Sunday, July 09, 2023 3:30:00 PM	Hydraulic Oil	20	L	TIR01b	While drilling, drillers observed a leak in a hydraulic line resulting in a 20 L hydraulic oil spill.	The equipment was stopped. Contaminated material was put in empty pail and disposed of in the Landfarm.
Wednesday, July 19, 2023 9:30:00 PM	Hydraulic Oil	10	L	TIRI01C-10050MS10	The hose of a drill disconnected from his fitting resulting in a 10 L hydraulic oil spill.	The equipment was stopped. Contaminated material was collected and disposed of in a quatrex bag.

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Tuesday, August 01, 2023 8:30:00 AM	Diesel	1.5	L	MSB Parking	When conducting the pre-op for PCK33, a 1.5L diesel spill was observed under 65PCK33 at the MSB parking area.	Surface mobile maintenance was contacted and 65PCK33 was brought to the shop to further inspect what happened. An estimated of 20Kg of contaminated material was scrapped up using a small excavator and brought to Landfarm A sorting area.
Wednesday, August 02, 2023 8:00:00 AM	Contact Water	16	m3	Southeast of the vent raise, Channel 5	During pumping of low salinity contact water from SP4 to SP1, a hugger clamp came apart and released water into the channel leading to CP5.	Pumping was stopped and environmental coordinator was contacted. Since the contact water was released within the site's Contact Water management facilities, no cleanup efforts were undertaken.
Friday, August 04, 2023 4:30:00 PM	Hydraulic Oil	25	L	Bucket laydown	A hydraulic line failed on a loader while operating resulting in a spill of 25 L of hydraulic oil.	The loader was stopped. Absorbent pads were used to collect the spill. Contaminated materials were collected in a quatex bag and disposed of at the hazmat laydown.
Friday, August 11, 2023 4:00:00 PM	Petroleum products	2	L	Target AQU23-D	While changing a hydraulic chuck of a drill rotation, hydraulic oil leaked in the floor and probably passed through the wood floor and onto the tundra.	Absorbent pads were deployed to collect the spill. Contaminated materials were collected in a quatex bag and disposed of at the hazmat laydown.

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Saturday, August 12, 2023 2:30:00 PM	Diesel Fuel	5	L	KCG shop (near welding seacan)	During the winter, an external fuel tank was filled. Fuel expended with the warm weather and leaked by the overflow tube.	A bucket was placed under the overflow to catch spilling fuel. Contaminated material was recovered and disposed of as per procedure.
Thursday, August 17, 2023 5:00:00 PM	Diesel Fuel	1	L	Drill sh-84	The secondary containment overflowed under the drill releasing 1L of diesel on the ground.	Secondary containment was emptied. Absorbent pads were used to collect the spill. Contaminated materials were collected in a quatrex bag and disposed of at the hazmat laydown.
Friday, August 18, 2023 8:30:00 AM	Hydraulic Oil	4	L	TIRI01C-10050MS11	Hydraulic oil spilled from a loose valve on the oscillation cylinder of the drill. The cylinder was changed the day before, and the bolts may not have been checked. The bolt wasn't tightened enough, and it loosened, causing a 4-litre spill.	The drill was stopped, and the valve was tightened. Absorbent pads were deployed to clean the spill. Contaminated materials were collected in a quatrex bag and disposed of at the hazmat laydown.
Saturday, August 19, 2023 8:30:00 AM	Break Oil	1	L	AWAR	Break oil spilled from a Toyota while in operation.	Absorbent pads were deployed to contain the spill. Contaminated materials were collect in a quatrex bag and disposed of at the hazmat laydown.

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Sunday, August 27, 2023 4:30:00 AM	Hydraulic Oil	20	L	B10 Borrow Pit	The quick-release hose on loader 21-204 was pinched while loading a 10-Wheeler, causing a leak.	Loader was stopped. Contaminated materials were collected and brought to the landfarm.
Monday, August 28, 2023 1:00:00 PM	Oily Water	60	L	Hazmat Laydown	During a Hazmat laydown clean up, a quatrex bag filled with oily water was found dripping on the ground.	The quatrex bag was brought to the wash bay to be emptied. Contaminated materials were collected and 0.5m3 of material was brought to the landfarm.
Tuesday, August 29, 2023 1:30:00 AM	Emulsion	320	L	Emulsion pad	When loading emulsion on a boom truck with a loader, one of the forks was not correctly positioned under the container. The container tipped over by 45 degrees and the cap came off the container, causing half the tote to spill onto the ground, in a lined area.	Contaminated material was collected and disposed of in quatrex bags.
Wednesday, August 30, 2023 7:00:00 AM	Hydraulic Oil	1	L	AWAR KM-15	A hydraulic hose that connects the control levers to the hydraulic system broke at the connection (screener #19-0710) causing approximately 1L of hydraulic oil to leak on the ground.	The equipment was turned off. Absorbent pads were used to collect the spill and disposed of in a quatrex bag.

Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
Thursday, August 31, 2023 1:00:00 PM	Treated effluent	100	m3	Directly East of 3 million fuel farm	As pumps were ramped up to increase the volume of water being discharged into Meliadine Lake, a roll-bar clamp was found leaking.	Bolts on roll-bar clamp were tightened and the leak stopped. The water was captured within the site's contact water management infrastructures.
Sunday, September 03, 2023 11:00:00 AM	Coolant	8	L	KCG yard (outside garage #2)	Two collars holding a coolant hose connected to the turbo of a skidsteer came loose, causing a spill of approximately 8 liters of coolant on the ground.	Machine was shut off and the spill was contained using glycol spill pads. Contaminated materials were collected and disposed of as hazmat in quatrex bags.
Tuesday, September 05, 2023 12:30:00 AM	Petroleum products	4	L	New CIL	Light plant was found leaking oil.	Absorbent pads were deployed and contaminated material were disposed of as hazmat in quatrex bag.
Friday, September 22, 2023 2:30:00 AM	Grease water	80	L	Kitchen Grease trap	The red-light strobe was found blinking, indicating a pump failure. This led the kitchen grease trap to overflow.	The spilled water was vacuumed back into the grease trap. Absorbent pads were deployed and disposed of in a quatrex bag at the hazmat laydown.
Sunday, September 24, 2023 2:30:00 AM	Oil	13	L	Haul road intersection near paste plant	Final drive oil cap on an excavator was not tightened enough after the preventive maintenance, releasing 13L of oil on the haul road.	The excavator was stopped. The contaminated area was scrapped and material was brought to the landfarm.

Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
Thursday, September 28, 2023 1:00:00 PM	Coolant	1	L	MSB parking	1L of coolant leaked from the radiator of an underground pickup.	Absorbent pads were deployed, and a bucket put under the pickup. Contaminated pads were disposed of as per procedure.
Saturday, September 30, 2023 3:00:00 AM	Coolant	3	L	Dion dome	Employees were winterizing the water pump on the jet stream in Dion dome and to do so they needed to make the pump run to expulse the water and coolant in it. They made it run until they saw coolant coming out of the pump, which spilled on the ground before they got time to shut down the engine of the pump.	Coolant absorbent pads was deployed and disposed of in a quadrex bag. The contaminated soils were hand excavated and also placed into quadrex bags.
Friday, September 22, 2023 2:30:00 AM	Grease water	80	L	Kitchen Grease trap	The red-light strobe was found blinking, indicating a pump failure. This led the kitchen grease trap to overflow.	The spilled water was vacuumed back into the grease trap. Absorbent pads were deployed and disposed of in a quatrex bag at the hazmat laydown.
Sunday, September 24, 2023 2:30:00 AM	Oil	13	L	Haul road intersection near paste plant	Final drive oil cap on an excavator was not tightened enough after the preventive maintenance, releasing 13L of oil on the haul road.	The excavator was stopped. The contaminated area was scrapped and material was brought to the landfarm.



Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
Thursday, September 28, 2023 1:00:00 PM	Coolant	1	L	MSB parking	1L of coolant leaked from the radiator of an underground pickup.	Absorbent pads were deployed, and a bucket put under the pickup. Contaminated pads were disposed of as per procedure.
Saturday, September 30, 2023 3:00:00 AM	Coolant	3	L	Dion dome	Employees were winterizing the water pump on the jet stream in Dion dome and to do so they needed to make the pump run to expulse the water and coolant in it. They made it run until they saw coolant coming out of the pump, which spilled on the ground before they got time to shut down the engine of the pump.	Coolant absorbent pads was deployed and disposed of in a quadrex bag. The contaminated soils were hand excavated and also placed into quadrex bags.
Sunday, October 08, 2023 2:00:00 AM	Hydraulic Fluid	20	L	AWAR Waterline Project km 17.5	Operator reported that an excavator had a hose failure, resulting in a hydraulic oil release of approx. 20 L. at km 17.5 on the AWAR.	Absorbent pads were deployed to collect the spill. Contaminated material was excavated and disposed of in quatrex bag.
Sunday, October 08, 2023 8:00:00 AM	Waste fuel & oil mix	1	L	KCG mechanic sea can storage area	A damaged tote was used to collect and store waste fuel and oil. The tote leaked (1L) by the damaged part when it was nearly full. The spill was mostly in the seacan where it was stored and a small quantity	The damaged tote was emptied and its contents transferred into another tote. Absorbent pads were deployed to collect the spill in the seacan floor.

Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
					spilled on the ground.	
Friday, October 13, 2023 1:00:00 PM	Petroleum products	10	L	Autopad by portal 2	Operator noticed a fuel leak coming from a haul truck while getting loaded.	Absorbent pads were deployed to collect the spill. Contaminated material was excavated and disposed of in Landfarm A.
Saturday, October 14, 2023 4:00:00 AM	Diesel Fuel	10	L	3 million fuel farm	Worker overfilled the fuel truck.	Absorbent pads were deployed to collect the spill. Contaminated materials were scrapped and 15kg were brought to the Landfarm A.
Monday, October 16, 2023 4:11:00 AM	Hydraulic Oil	43	L	Tiri 1, 50MS19	The friction between a pilot hose and a clamp resulted in the hose breaking open on an excavator, leading to a spill of approximately 43 liters.	The equipment was shut down and repaired immediately. Absorbent spill pads were deployed to contain the spill. Contaminated material were scrapped and 75kg were brought to the Landfarm A.
Tuesday, October 17, 2023 2:45:00 AM	Hydraulic Oil	5	L	Mill /Powerhouse	An Oil line failed on the hyster due to over-tightening of the solenoid valve cover which damaged the O-ring seal.	Worker stopped the equipment. Absorbent pads were used to collect the spill and were disposed of in a quatrex bag.
Wednesday, October 18, 2023 1:00:00 PM	Hydraulic Oil	1	L	WRSF 3	A secondary containment installed under the drill was filled with water. When the drill spilled oil, the secondary containment overflowed	Absorbent pads were deployed to collect the spill. The secondary containment was emptied and reinstalled properly.

Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
					causing a 1L spill on the ground.	
Wednesday, October 18, 2023 4:00:00 PM	Hydraulic Oil	65	L	Esker B10, AWAR KM 20	While crushing, one of the main hydraulic hose of the crusher failed resulting in a 65L spill.	The crusher was stopped immediately. Absorbent pads were deployed to collect the spill. Contaminated material was collected and 1m3 of material was brought to Landfarm A.
Sunday, October 22, 2023 12:00:00 AM	Hydraulic Oil	30	L	Ore pattern inside TIRI01	A hydraulic hose on a drill failed resulting in a spill of 30L of hydraulic oil.	Absorbent pads were deployed to collect the spill. Contaminated materials were scrapped and 0.1 m3 was brought to the Landfarm A.
Friday, October 27, 2023 1:00:00 AM	Hydraulic Oil	40	L	OP2	Hydraulic hose on an underground haul truck failed resulting in a spill of 40L of hydraulic oil.	Equipment was stopped. Absorbent pads were deployed to collect the spill. Contaminated material was scrapped and disposed of in a quadrex bag.
Friday, October 27, 2023 9:00:00 AM	Hydraulic Oil	5	L	TIR01C-10045MS58	A hydraulic hose on the loader failed while operating. The failure was caused by friction between the hose and one of the plastic supports holding it in place.	Absorbent pads were deployed to collect the spill and disposed of in a quatrex bag.
Saturday, October 28, 2023 10:30:00 AM	Diesel Fuel	200	L	3 Million Fuel Farm	When offloading fuel from a tanker into the 250,000 L tank at the 3M fuel farm, fuel spilled (approx. 200L) from the vents	Absorbent pads were deployed to collect the spill and contaminated materials were collected. It should be noted that the spill occurred within the

Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
					located on top of the tank. The process of offloading was immediately stopped. It was later found that there were no interlocks placed on the fuel pumps that would shut them off at a high level, and that the level sensor for the tank was faulty.	secondary containment of the tank.
Monday, October 30, 2023 5:00:00 PM	Petroleum products	3	L	MSB Downline	Environment technician discovered a 3L spill of petroleum products in the MSB parking lot.	Absorbent pads were deployed to collect the spill and were disposed of in quatrex bag.
Thursday, November 02, 2023 12:00:00 AM	Hydraulic Oil	15	L	Dyno Yard	The operator was using a skidsteer and noticed hydraulic fluid leaking from the left track.	The engine was stopped and the operator called his supervisor. Absorbent pads were deployed to collect the spill.
Saturday, November 04, 2023 8:30:00 AM	Engine Oil	10	L	Drill 6SH-91	During normal operations, a hydraulic hose broke inside the drill. The spill was contained inside the drill and did not reach the environment.	Spill was collected with absorbent pads and disposed of in a hazmat bag.
Monday, November 13, 2023 10:20:00 AM	Coolant	92	L	Tiri 1 Phase 3	After leaving the excavator with a load, a coolant line failed. The truck traveled a short distance with a broken hose, leaving behind a trail of coolant.	The truck was stopped. Absorbent pads were deployed. Contaminated materials were collected and disposed of in a quatrex bag.

Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
Saturday, November 18, 2023 1:00:00 PM	Diesel	20	L	Verti mill laydown	A fuel line on KCG generator failed resulting in a 20L spill of diesel.	Absorbent pads were deployed to collect the spill. Contaminated materials were collected in a quatrex bag.
Monday, November 27, 2023 1:00:00 PM	Heat Recovery Water	6	L	CCBM	An employee was walking past the boiler complex and noticed icicles formed underneath the boiler complex building. He went inside the complex and noticed that the system's air release was leaking air, along with heat recovery water containing diluted Drewgard 4109 corrosion inhibitor. This water overflowed from the pail installed in case of a water release, and spilled outside by a small hole in the floor of the boiler complex.	Heating technician was called and the air release was closed to prevent future water from leaking out. Ice was removed, put in a pail and thawed inside a warm building. Afterwards, the water was put into the power plant sump, which was then transferred to hazmat totes to be shipped off site.
Monday, November 27, 2023 8:00:00 PM	Cyanide	0.14	Kg	Process Plant Reagents laydown (North of the Mill)	Operator was removing a bag of cyanide briquettes from the sea can with the Telehandler. While doing so, he punctured the right bottom corner of the cyanide bag with the fork of the Telehandler. Approx. 10 briquettes of cyanide spilled on	Red tape was set-up to secure the area and the H&S and Environment departments were advised. The spill was cleaned per the cyanide spill procedure. Briquettes and contaminated snow were disposed of into the cyanide mixing hopper/mixing tank inside the Process Plant. All

Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
					the ground in front of the sea can.	other materials (tarp, plastic bucket, PPE) were disposed of in the cyanide waste roll-off bin on the Northside of the Church building. The red tape was kept in place until daylight hours for a secondary inspection.
Saturday, December 02, 2023 8:00:00 AM	Hydraulic oil	70	L	TIRI01	Approx. 70L of hydraulic oil spilled on the ground from a hydraulic hose failure on a drill.	The drill was stopped. Absorbent pads were used to collect the spill and disposed of in a quatrex bag. Contaminated material was scrapped and brought to Landfarm A.
Saturday, December 02, 2023 10:00:00 AM	Hydraulic oil	1	L	Fountain Tire Shop	A hydraulic leak from a haul truck led to a 1 L spill.	Absorbent pads were used to contain and collect the spill. Contaminated materials were disposed of in a quatrex bag.
Sunday, December 03, 2023 12:00:00 AM	Engine coolant	21	L	TIR01	A hose from thermostat housing to radiator split open on an excavator, spilling 21L of coolant.	The equipment was shut down. Absorbent pads were deployed to collect the spill and disposed of in a quatrex bag.
Monday, December 04, 2023 10:00:00 PM	Hydraulic oil	9	L	TIR01	While in operation, a hydraulic hose failed on a drill, resulting in a 9L spill of hydraulic oil.	The drill was stopped. Absorbent pads were deployed and contaminated soil scrapped and disposed of in a quatrex bag.
Sunday, December 10, 2023 10:15:00 AM	Diesel	70	L	KCG shop yard	A Pickup truck was fueled prior to moving it inside the garage for repairs. The water	Absorbent pads were placed to collect the spill and disposed of in quatrex bag. Contaminated snow

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					separator filter cap had been removed, resulting in a 70L spill of diesel.	was collected and disposed of in the on site Snow Cell, and recovered contaminated soil disposed as hazmat.
Monday, December 11, 2023 1:30:00 PM	Engine Oil	0.25	L	SWTP	Cold temperatures caused the crank case vent to freeze on a Kaeser M50 Compressor, and the back pressure from the engine forced engine oil out through the dip stick.	The equipment was stopped. Absorbent pads were deployed to collect the spill and disposed of in hazmat drum.
Tuesday, December 12, 2023 12:00:00 AM	Diesel Fuel	20	L	TIRI01	Fuel leaked from an excavator while in operations.	The engine was shut down which stopped the fuel pump and depressurized the fuel line. Absorbent pads were used to collect the contaminated materials and disposed of in hazmat tote.
Tuesday, December 12, 2023 5:30:00 PM	Washbay Water	80	L	Washbay South access door	A leak was found on the pit water recirculation pump, resulting in a 80L spill of water from the wash bay door.	The source of the water was identified, and the pump was shut down to stop the water flow. Contaminated snow and ice was recovered and brought to the Snow Cell.
Sunday, December 17, 2023 1:00:00 PM	Hydraulic Oil	5	L	KCG Parking (down line)	While performing a Health & Safety tour/inspection of the work area, a leak underneath a parked haul truck was noticed in the	Contaminated materials were scrapped and brought to the Landfarm A.

Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
					down equipment lineup. Upon investigation, the leak was from the duo-cone seal on the final drive	
Sunday, December 17, 2023 2:30:00 PM	Hydraulic Oil	15	L	TIRI01	A hydraulic hose failed on an excavator while operating, resulting in a 15L spill of hydraulic oil.	The equipment was stopped. Absorbent pads were deployed to collect the spill and disposed of in quatrex bag.
Monday, December 18, 2023 4:50:00 AM	Diesel	1	L	TIRI01	After being parked for a short period, a worker noticed the smell of diesel. A very small diesel spill was observed as the result of an improperly installed fuel filter.	Absorbent pads were deployed to collect the spill and disposed of in a quatrex bag.
Wednesday, December 20, 2023 4:30:00 AM	Diesel	20	L	6 Mil containment area	An operator was refueling a truck and the nozzle failed to stop (did not click off when full).	Pump was shut off. The secondary containment was deployed for fueling, so the fuel collected was disposed of in a used fuel tote. Absorbent pads were deployed and disposed of in a quatrex bag.
Thursday, December 28, 2023 2:00:00 PM	Hydraulic Oil	10	L	Mechanic Parking	During the Mechanic crew change day, Environment Technician was notified of a small spill in the maintenance yard.	The contaminated materials were scrapped and disposed of in a hazmat containment.



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Friday, December 29, 2023 5:00:00 AM	Air Compressor Oil	10	L	TIRI01	When the mechanic inspected a drill, he found a leak between the compressor receiver & the compressor radiator collar.	Mechanic shut off the drill to stop the leak. Contaminated snow was put into the Landfarm and used absorbent pads were disposed of as hazmat.
Friday, December 29, 2023 8:00:00 AM	Hydraulic Oil	15	L	30' from Dyno gate	An hydraulic hose ruptured on a skidsteer while in operations, spilling around 15 L of hydraulic fluid.	Absorbent pads were deployed to collect the spill and disposed of in a proper location.
Sunday, December 31, 2023 7:30:00 AM	Oil	6.	L	TIRI01	An employee backed up his truck and hit a large rock that had rolled under the truck, damaging the oil filter.	Truck was stopped. Contaminated snow was scooped up and placed at the Landfarm.