

TABLE M: Areas of Potential Environmental Concern Related to Bulk Materials

APEC	Description of Area	Potential Contaminants of Concern (PCOCs)	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
1a ¹	Development rock used for entire footprint of Mill complex	Metals PAG/ARD-ML	Since the padded area of the site is comprised of waste/development rock, metals are considered a PCOC at all locations. Seeps (i.e., direct groundwater discharge) have been observed draining from all sides of the development rock.	All	Samples of development rock collected at all APECs analyzed for total metals, paste pH, and sulphide. Sampling groundwater and all seeps within and around the footprint also addresses the potential for leachate from the rock.	total metals, paste pH, and sulphide	Dissolved metals and sulphate, routine water quality	Total metals and sulphate, routine water quality
1b ¹	Site Roads	per 1a	Site roads are identified as an APEC in the RFP and Restoration Plan. The assessment of the areas described above may adequately assess the site roads since they are constructed of the same materials, with the exception of those specifically referenced below. It is noted that if the roads stay in place they may be considered beneficial use. Ore may have been left or leached at the former ore stockpile.	All	Kinross had collected samples from the roads during previous ABA assessments. Ten samples collected by Kinross personnel (51161 through 51170).	per 1a	per 1a	per 1a
1c	Former Surface Ore Stockpile	per 1a	Ore may have been left or leached at the former ore stockpile.	n/a	Test pit 05-34.	per 1a	per 1a	per 1a
1d	Ore Loading Ramp	per 1a	Ore or process fines may have been spilled.	9	Test pit 05-59.	per 1a	per 1a	per 1a

¹ APEC not indicated on drawing

TABLE M cont'd: Areas of Potential Environmental Concern Related to Bulk Materials

APEC	Description of Area	Potential Contaminants of Concern (PCOCs)	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
1e	Screening Plant Ramp	per 1a	Mineralized ore or process fines may have been spilled.	n/a	Test pit 05-57.	per 1a	per 1a	per 1a
1f	Ball Field	per 1a	Specifically identified as potentially mineralized.	10	Test pit 05-54.	per 1a	per 1a	per 1a
1g	Road to Airport	per 1a	Specifically identified as potentially mineralized.	n/a	Test pit 05-52.	per 1a	per 1a	per 1a
1h	Overburden Stockpiles	per 1a	Piles of overburden removed to access near surface mineralization.	7	Two composite/ representative samples SS69 and SS70 to screen the metals content.	per 1a	per 1a	per 1a
1i	Former Surface Jaw Crusher	per 1a	Originally used to crush development rock. Fines and dust may have concentrated in the area. It is noted that Kimberlite reportedly distributed on the surface around the area due to more recent related activities by third parties, though this presents no concern for contamination.	11	Test pit 05-49.	per 1a	per 1a	per 1a

TABLE N: Areas of Potential Environmental Concern Related to Main Tank Farm Area

APEC	Description of Area	Potential Contaminants of Concern (PCOCs)	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
2a	Main Tank Farm	Diesel fuel, Jet A Fuel	Approximately twenty-one ASTs containing diesel fuel are located at the main tank farm within three contained berms that are lined with impermeable membrane. The bedding sand on top of the liner has visible hydrocarbon staining. Jet fuel stored in the most southeastern AST. The pump shack is also located with the bermed area. In the spring, water in the berm is reportedly decanted to the west side of the tank farm, which may have resulted in a small areas of stained/stressed vegetation observed on the west side of the tank farm.	4, 12, 13, 14	One hand dug surface soil sample in each bermed area to confirm presence of liner and quality of bedding sand (SS73, SS74, SS75). Surface Soil samples SS71 and SS72 collected on west side of tank farm footprint. Test pit/monitoring well 05-37 on southwest (downgradient) side of footprint. Sampled SEEP9 on west side of footprint.	CCME metals, BETX, PHC F1 to F4, and PAHs	Insufficient water to collect samples	Total metals, sulphate, BETX, PHC F1 to F2, PAHs, and routine water quality
2b	Main Tank Farm Loaders	Diesel fuel	Tank farm loaders are uncontained and hydrocarbon staining observed on ground surface.	14	Test pit/monitoring well 05-07 and test pit 05-36.	per 2a	F2 Insufficient water available to complete other analyses.	per 2a

TABLE N cont'd: Areas of Potential Environmental Concern Related to Main Tank Farm Area

APEC	Description of Area	Potential Contaminants of Concern (PCOCs)	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
2c	Jet Fuel Loader	Jet Fuel	Jet fuel is loaded/unloaded in an uncontained area on the berm to the south of the Jet Fuel tank.	4	Could not drill or test pit due to liner. Surface soil sample SS75 collected and presence of liner confirmed.	BETX, PHC F1 to F4, and PAHs	n/a	n/a
2d	Tank Farm Pipeline	Diesel fuel	Pipeline is above ground and is a pressure, not suction, line. No evidence of staining was observed.	15	Two hand dug surface soil samples SS67 and SS68.	BETX, PHC F1 to F4	n/a	n/a
2e ¹	Former Airport Fuelling Area	Diesel or Jet Fuel	A fuel line formerly ran to the west of the tank farm to a fuelling area located on the west side of the airstrip.	16	Test pit 05-53.	BETX, PHC F1 to F4, and PAHs	n/a	n/a
2f	Third Party Product Storage North	Diesel, fuel oil, varsol, lubrication oil, ATF etc.	New drums of diesel, fuel oil, varsol, ATF, etc. stored within bermed area.	n/a	Could not drill or test pit due to reported liner. Rock was too coarse for hand assessment.	n/a	n/a	n/a
2g	Third Party Wastes Storage South	Waste diesel, fuel oil, varsol, lubrication oil, ATF etc.	Waste drums and cubes of diesel, fuel oil, varsol, ATF, etc. stored within or on top of bermed area that is lined.	4	Could not drill or test pit due to liner. Surface soil sample SS75 collected in the vicinity.	BETX, PHC F1 to F4, and PAHs	n/a	n/a
2h	Tanker Truck Parking Area	Diesel Fuel	Tanker trucks are parked to the east of fuel load area and may release fuel from time to time.	n/a	Test pit 05-35.	CCME metals, sulphide, pH, BETX, PHC F1 to F4	n/a	n/a

¹ APEC not indicated on drawing

TABLE O: Areas of Potential Environmental Concern Related to Central Mill Area and Supporting Facilities

APEC	Description of Area	Potential Contaminants of Concern (PCOCs)	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
3a	Satellite Tank Farm	Diesel and Gasoline	Eight ASTs containing diesel and two ASTs containing gasoline are located within a lined/bermed area. Bedding sand was visibly stained with hydrocarbons and there was sheen on the ponded water within the berm. The diesel is pumped to the tanks via a pipeline from the main tank farm. Gasoline is offloaded to the tanks at the tank farm. There was at least one report of an overflow that resulted in fuel being discharged into the berm. The fuel/water mixture was pumped out and was stored in one of the small tanks at the main tank farm. On the south side of the area there is a pipe for decanting water from the berm. A hydrocarbon stain was observed below the pipe discharge.	5, 17	SS65 sample within berm. Borehole/monitoring well 05-08 and test pit/monitoring well 05-28 on downgradient side.	BETX, PHC F1 to F4, and PAHs	Dissolved metals, sulphate, BETX, PHC F1 to F2, PAHs, and routine water quality	PHC F2 to F4, PAHs, and glycols
3b	Fuel Pump House	Diesel and Gasoline	Fuel from the tank farm is pumped via above ground lines to the pump house. South of the pump house are two fuelling areas. The fuelling area is uncontained and staining of soil was prevalent in the area.	5	Test pit 05-29.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, and PAHs	n/a	n/a

TABLE O cont'd: Areas of Potential Environmental Concern Related to Central Mill Area and Supporting Facilities

APEC	Description of Area	Potential Contaminants of Concern (PCOCs)	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
3c	Powerhouse Day Tanks	Diesel	Several day tanks were present along the south wall of the powerhouse. There is secondary concrete containment below the tanks however, the concrete is known to have settled and cracked, compromising the integrity of the containment. The high level switches on some of the tanks have reportedly malfunctioned in the past and the tanks have been overfilled.	5, 18	Borehole/monitoring well 05-04. Borehole/ monitoring well 05-10. Test pit 05-31, Test pit 05-32.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, PAHs, and glycols	Dissolved metals, sulphate, BETX, F1 to F2, PAHs, glycols, and routine water quality	n/a
3d	Powerhouse Radiators and Glycols Tank	Glycols	A glycols tank and several radiators are located outside the south side of the powerhouse. There is no secondary containment in this area. The north radiator is known to have released an undetermined amount of glycols in the past.	5	Borehole/monitoring well 05-04. Test pit 05-31, Test pit 05-32. North radiator could not be assessed due to under-ground power lines.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, and glycols	n/a	n/a
3e	Powerhouse Compressor Spray	Compressor oil	As the compressors cycle, an oily condensate spray discharges at two locations. Oil staining was observed on the ground surface.	n/a	Test pit 05-31. North compressor area could not be assessed due to under-ground power lines.	CCME metals, BETX, PHC F1 to F4	n/a	n/a

TABLE O cont'd: Areas of Potential Environmental Concern Related to Central Mill Area and Supporting Facilities

APEC	Description of Area	Potential Contaminants of Concern (PCOCs)	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
3f	Powerhouse Sumps	Diesel, glycols, compressor oil, lubricants	The powerhouse is underlain by a concrete floor with a surrounding concrete berm. The concrete floors are known to have settled and significant cracking was observed. Never the less, the most likely areas for contaminants to have migrated to the building sump that was confirmed to be connected to groundwater. Since the sump is emptied by a float valve controlled pump, there is essentially a groundwater and contaminant collection system in place.	19	Borehole/monitoring well 05-10, water sample (SUMP) collected directly from sump.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, and PAHs	Dissolved metals, sulphate, BETX, F1 to F2, cyanide, and routine water quality	n/a
3g	Emergency Powerhouse	Diesel fuel	Two ASTs and one transformer associated with emergency powerhouse.	20	Test pit 05-58.	BETX, PHC F1 to F4, and PAHs	n/a	n/a
3h	Brine Mix Area, Underground Equipment Fuelling and Storage area	Salt, diesel fuel, lubricants	Brine was prepared for underground use in this area. The floor of the equipment storage area was unfinished, and evidence of spills were observed. An unloader for pumping fuel to underground workings was also present at this location.	21	Test pit/monitoring well 05-60	CCME metals, sulphide, pH, BETX, PHC F1 to F4, PAHs, cyanide, glycols, and salinity	Dissolved metals, sulphate, BETX, F1 to F2, cyanide, glycols, routine water quality, and salinity	n/a

TABLE O cont'd: Areas of Potential Environmental Concern Related to Central Mill Area and Supporting Facilities

APEC	Description of Area	Potential Contaminants of Concern (PCOCs)	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
3i	Crusher and Rebuild Area	Metals	The crusher and underground equipment rebuild area is underlain by a concrete floor with a surrounding concrete berm. One of the crusher units showed evidence of leaking oil. Lubricants are stored in one area that has secondary containment. Floor drains are directed to the sumps in the Recovery Complex.	22	The inside of the crusher area could not be accessed with heavy equipment however, borehole 05-06 was advanced south of the crusher area and test pit 05-56 to the east of the crusher area.	CCME metals, sulphide, pH, BETX F1, PHC F2-F4 and PAHs	n/a	n/a
3j	Grinding Area	Metals	The grinding area is underlain by a concrete floor with a surrounding concrete berm. One sump was present; and there was evidence of a former pump that discharged to the sump in the Recovery Complex. Floor drains are directed to the sumps in the Recovery Complex.	23	Borehole/monitoring well 05-05.	CCME metals, sulphide, and pH	Dissolved metals, sulphate, and routine water quality	n/a
3k	Fine Ore Area	Metals	The fine ore area is underlain by a concrete floor with a surrounding concrete berm. Lubricants are stored in one area that has secondary containment. Floor drains are directed to the sumps in the Recovery Complex.	n/a	Could not be accessed however, the concrete floor appears intact and floor drains drain to Recovery Complex where there was a higher likelihood for contamination proximate the sumps.	n/a	n/a	n/a

TABLE O cont'd: Areas of Potential Environmental Concern Related to Central Mill Area and Supporting Facilities

APEC	Description of Area	Potential Contaminants of Concern (PCOCs)	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
3l	Recovery Complex Sumps	Metals, Cyanide, Zinc, Lead	The mill is underlain by a concrete floor that is in good condition with a surrounding concrete berm. Liquid spillages are directed to two large sumps which discharge to the tailings line. There is also a sump for the tailings discharge pump. There are numerous chemical tanks and storage areas, however the most likely areas for contaminants to have potentially entered the subsurface were the three sumps.	24, 25	Borehole/monitoring well 05-02 and Borehole/monitoring well 05-03.	CCME metals, sulphide, pH, and cyanide	Dissolved metals, sulphate, glycols, cyanide, and routine water quality	n/a
3m	Paste Backfill Plant and Cement Storage	Metals, alkaline, pH	A sump was located below paste backfill plant which discharge to the tailings line. Cement and blotted acid was stored in the Cement Storage (Paste Backfill) Building.	n/a	Test pit 05-25 west of plant. Test pit 05-22 inside cement storage building.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, PAHs, cyanide, and glycols	n/a	n/a
3n	Misc. Fuel ASTs	Diesel fuel	Three diesel fuel ASTs were located on the periphery of the mill building. All had secondary containment. Valves on the secondary containment allow water to be decanted from time to time. A fourth fuel AST was formerly located south of the cement storage area and was used to power diamond exploration related activities carried out by third parties in this area.	26	Test pits 05-19, 05-23, 05-24, 05-26	CCME metals, sulphide, pH, BETX, PHC F1 to F4, PAHs, cyanide, and glycols	n/a	n/a

TABLE O cont'd: Areas of Potential Environmental Concern Related to Central Mill Area and Supporting Facilities

APEC	Description of Area	Potential Contaminants of Concern (PCOCs)	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
3p	Warehouse Hazardous Material Storage	Metals, pH	Hazardous materials (e.g., acids) were delivered to the warehouse and formerly stored in two small shacks to the west of the warehouse entrance.	n/a	Test pit 05-27.	CCME metals, sulphide, pH, and glycols	n/a	n/a
3o	Surface Shop	Diesel, glycols, compressor oil, lubricants	The surface shop is underlain by a concrete floor. Liquid spillages are directed to floor drains that enter a large concrete sump. The sump has a float switch that automatically pumps to the sewage discharge. Oil accumulations are pumped off from time to time for storage in the used oil storage tanks. Steam room has a concrete sump from which sludge is periodically removed and disposed to the landfill.	n/a	Borehole/monitoring well 05-01.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, PAHs, and glycols	Dissolved metals, sulphate, BETX, F1 to F2, glycols, and routine water quality	n/a

TABLE P: Areas of Potential Environmental Concern Related to Periphery of Mill Area

APEC	Description of Area	Potential Contaminants	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
4a	Cold Storage #1	Machine parts (oils, grease, metals)	Gravel floors, surface spillage observed.	27	Test pit 05-18, SEEP1.	CCME metals, sulphide, pH, BETX, PHC F1 to F4	n/a	Total metals, sulphate, BETX, F1 to F2, cyanide, and routine water quality
4b	Cold Storage #2	Lime, zinc dust storage Hydrochloric and Nitric Acid storage	Gravel floors, surface spillage observed.	28	Test pit 05-17, SEEP1.	CCME metals, sulphide, and pH	n/a	Total metals, sulphate, BETX, F1 to F2, cyanide, and routine water quality
4c	Cold Storage #3 (now removed)	Cyanide and lead nitrate storage	Gravel floors, surface spillage observed.	28	Borehole/monitoring well 05-16, SEEP1.	CCME metals, sulphide, pH, and cyanide	n/a	Total metals, sulphate, BETX, F1 to F2, cyanide, and routine water quality
4e	Tailings Line	Metals, hydrocarbons	Potential leaks, preferential pathway due to heat melting permafrost. Seep observed adjacent the line.	29	Test pit 05-20, sampled SEEP8.	CCME metals	n/a	Total metals, sulphate, BETX, F1 to F2, PAHs, and routine water quality
4f	Sewage Line	Metals, hydrocarbons	Potential leaks, preferential pathway due to heat melting permafrost. Seep observed adjacent the line.	30	Test pit/monitoring well 05-21 SEEP7 was low flow and not sampled.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, PAHs, and glycols	Dissolved metals, sulphate, BETX, F1 to F2, cyanide, and routine water quality	n/a

TABLE P cont'd: Areas of Potential Environmental Concern Related to Periphery of Mill Area

APEC	Description of Area	Potential Contaminants	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
4g	Remainder Steel Yard, Lumber Yard, East Mill Lay down	Various	Innocuous materials stored in this area. Stressed vegetation near SEEP1 to south may be associated with APECs 4a through 4c. Two areas of ponded water on east side of mine footprint.	6	Covered by the above, plus test pits 05-34, 05-77, 05-78, and 05-81. Surface soil sample SS63 at stressed area. SEEP1 as well as SEEP5 and SEEP6.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, PAHs, and glycols	Dissolved metals, sulphate, BETX, F1 to F2, cyanide, and routine water quality	Total metals, sulphate, BETX, F1 to F2, cyanide, and routine water quality
4h	Former Mine Water Discharge Area	Metals	Underground mine water was discharged to this area prior to 2001. The surface soil has been scoured by the discharge.	n/a	Surface soil sample SS64.	CCME metals, sulphide, pH, and PHC F2 to F4	n/a	n/a

TABLE Q: Areas of Potential Environmental Concern Related to North Shops

APEC	Description of Area	Potential Contaminants	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
5a	RTL Shop	Fuels, maintenance activities	Equipment parking and maintenance areas are at risk of hydrocarbon contamination due to leaks and spills. Metals concentrations may also be elevated due to parked underground equipment which may have released ore dust. A diesel fuel AST associated with the shop has been reported to have released fuel.	31, 32	Test pits 05-44 and 05-55. SEEP12.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, and PAHs	n/a	Total metals, sulphate, BETX, F1 to F2, PAHs, glycols, and routine water quality
5b	Concrete Plant	Lime (concrete mix), metals in fire debris	Soil pH values may be altered proximate to the concrete plant. Concrete plant involved in a fire and the building was replaced.	31	Test pit 05-57, SEEP11.	CCME metals, sulphide, and pH	n/a	n/a
5c	Former Numa Logistics Winter Road Shop and Tank	Fuels, maintenance activities	Former shop had 14,000 Gallon Diesel Tank. Fold away building now removed. Apparently hydrocarbon contaminated soil was excavated from the ore and disposed to the tailings area.	33	Test pit 05-42 and test pit/monitoring well 05-43.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, PAHs, and glycols	Dissolved metals, sulphate, BETX, F1 to F2, PAHs, glycols, and routine water quality	n/a

TABLE R: Areas of Potential Environmental Concern Related to North Storage Areas

APEC	Description of Area	Potential Contaminants	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
6a	Third Party Drum Storage Area	Diesel, fuel oil, lubrication oil, jet fuel, ATF, etc.	Third party storage of drums of diesel, fuel oil, lubrication oil, jet fuel, ATF, etc. Most drums were new and stored on wooden skids however, potential exists for releases to have occurred.	34	Test pit 05-39.	CCME metals, sulphide, pH, BETX, PHC F1 to F4	n/a	n/a
6b	Third Party Salt Storage	Salt	Third party storage of bags of salt; some visible spillage observed.	35	Test pit 05-41.	CCME metals, sulphide, pH, and salinity	n/a	n/a
6c	Former Surface Shop #3, now used for storage	Misc. hydrocarbons, metals	Former surface Shop #3 now used for storage of insulation and polyester resin. A small diesel tank for a heater is located inside the building.	n/a	Test pit 05-38.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, PAHs, and glycols	n/a	n/a
6d	Former Surface Shop #2, now used for storage	Misc hydrocarbons, metals from shotcrete	Former surface Shop #3 now used for storage of shotcrete.	n/a	Test pit 05-40.	CCME metals, sulphide, pH, BETX, PHC F1 to F4	n/a	n/a
6e	Portal Ramp	Spilled materials, development rock	Ore may have been tracked out of the portal and other materials may have been released in this high traffic area.	n/a	Test pit 05-48.	CCME metals, sulphide, and pH	n/a	n/a

TABLE S: Areas of Potential Environmental Concern Related to Residential Area

APEC	Description of Area	Potential Contaminants	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
7a	Offices, accommodation and kitchen complex	Diesel fuel	One diesel AST for emergency boiler. Tank has secondary containment. Glycol circuit is above ground so leaks would be seen. Otherwise no obvious environmental concerns exist in this area.	36	Test pit/monitoring well 05-55.	CCME metals, BETX, PHC F1 to F4, and PAHs	CCME metals, BETX, PHC F1 to F2, and PAHs	n/a
7b ¹	Water intake and fuelling area at dock	Diesel fuel, metals, PAG	One fuel AST for emergency power. Development rock use to construct breakwater.	8	Test pit 05-51.	CCME metals, sulphide, pH, BETX, PHC F1 to F4	n/a	n/a
7c ¹	Sea Plane and Boat Fuelling	Fuel	Small volumes fuelled from drums or truck on occasion. Spills were unlikely or small, and no staining was visible during inspection. A former boat fuelling AST was located in a lined and bermed area west of the dock.	8	Test pit 05-50.	BETX, PHC F1 to F4	n/a	n/a
7d	Guesthouse Emergency Fuel Storage	Diesel fuel	An AST is located in the basement below the guesthouse.	37	Test pit 05-61.	BETX, PHC F1 to F4	n/a	n/a

¹ APEC not indicated on drawing

TABLE T: Areas of Potential Environmental Concern Related to Wastes Management and Disposal Areas

APEC	Description of Area	Potential Contaminants	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
8a	Used Oil Storage	Used oil	Used oil was collected and pumped into two ASTs located within a lined berm. The bedding sand above the liner was visibly stained with hydrocarbons. The tanks are periodically emptied into tanker trucks for off-site disposal.	5	SS66 sample within berm. Test pit 05-30 on southwest (downgradient side).	CCME metals, PHC F2 to F4, PAHs, glycols, and cyanide	n/a	n/a
8b	Incinerator	Metals, diesel fuel	1,000 Gal diesel tank supplies fuel for the incinerator. Potential for contamination from released fuel or incinerator ash.	38	Test pit/monitoring well 05-15.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, and PAHs	n/a	n/a
8c	South Surface Burn Pit	Various wastes burned	Burn pits are frequently contaminated due to the incomplete combustion of wastes and residue materials. There is an abandoned AST and some staining visible on the south side of the burn pit, which may be from fuel used to start the burning process. Some buried debris and orange precipitate-stained water and stressed vegetation observed on the east (downgradient) side of the burn pit.	6	Test pit 05-12, test pit/monitoring well 05-13, test pit 05-14. Surface soil sample SS62 at location of stressed vegetation. Surface water seep sample at SEEP2.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, PAHs, glycols, and cyanide	Dissolved metals, sulphate, BETX, F1 to F2, glycols, cyanide, and routine water quality	Total metals, sulphate, BETX, F1 to F2, PAHs, glycols, cyanide, and routine water quality
8d	North Underground Burn Pit	Various wastes burned	Burn pits are frequently contaminated due to the incomplete combustion of wastes and residue materials. It was also reported the drums may have been cleaned in this area.	39	Test pit 05-47 to northeast on downgradient side. SEEP13.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, PAHs, glycols, and cyanide	n/a	Total metals, sulphate, BETX, F1 to F2, and routine water quality Insufficient amount of water to analyze for cyanide

TABLE T cont'd: Areas of Potential Environmental Concern Related to Wastes Management and Disposal Areas

APEC	Description of Area	Potential Contaminants	Discussion of Possible Contamination	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
8e	Landfill	Various wastes	Landfill is unlined. Three seeps with some oxide staining identified discharging on the west and south side of the landfill. INAC inspector identified elevated contaminants in the seep at the south side of the landfill.	6, 40	Borehole/monitoring well 05-09 at southwest (downgradient). Surface water sample from SEEP3.	n/a	Dissolved metals, sulphate, BETX, F1 to F2, glycols, and routine water quality Insufficient amount of water to analyze for cyanide	Total metals, sulphate, BETX, F1 to F2, PAHs, glycols, cyanide, and routine water quality
8f	Bone Yard	Hydrocarbons, metals	Used for storage of derelict equipment. Reportedly there have been releases of hydrocarbons from some of the equipment.	41	Test pit/monitoring well 05-11, test pits 05-82 and 05-83.	CCME metals, sulphide, pH, BETX, PHC F1 to F4, PAHs, and glycols	Dissolved metals, sulphate, BETX, F1 to F2, glycols, and routine water quality	n/a

TABLE U: Areas of Potential Environmental Concern Related to Background Reference Areas

APEC	Description of Area	Potential Contaminants	Discussion	Photos	Assessment Method	PCOCs in Soil Analytical Program	PCOCs in Groundwater Analytical Program	Surface Water Seep Analytical Program
9a ¹	Soil Background	Natural background concentrations	Background reference for soil – mineralized areas described by geology map. Orange coloured oxides observed in some bedrock outcrops around the mill site.	n/a	Surface soil sample SS76. Kinross transect samples (51161 through 51190) collected to north, south, east, and west of the mill site.	CCME metals, sulphide, and pH	n/a	n/a
9b ¹	Water Background	Natural background concentrations	Background reference for water – creek to north of site. Orange staining on rocks.	n/a	Surface water sample CREEK.	n/a	n/a	Total metals, sulphate, and routine water quality

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