Foxtrot 34-10 Pit Table 915-1			8/9/2023				11/15/2023			
CLEANUP CONCENTRATIONS			SS1	SS2	SS3	Native	SS1	SS2	SS3	Native
Contaminant of Concern	Concentrations		37.17987, -104.76470	37.17990, -104.76476	37.17992, -104.76475	37.18007, -104.76479	37.17987, -104.76470	37.17990, -104.76476	37.17992, -104.76475	37.18007, -104.76479
Soil TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons)	500mg/kg									
Soils and Groundwater - liquid hydrocarbons including condensate and oil	below visual detection limits									
Soil Suitability for Reclamation										
Electrical conductivity (EC) (by saturated paste method)	<4mmhos/cm		0.36	0.67	0.9	0.45				
Sodium adsorption ratio (SAR) (by saturated paste method)	<6		ND	24	25	ND		3.6	2.6	
pH (by saturated paste method)	6–8.3		9.2	9.4	9.4	7.4	8.3	8.4	8	
boron (hot water soluble soil extract)	2mg/l		ND	ND	ND	ND				
Organic Compounds in Groundwater										
benzene	5µg/l									
toluene	560 to 1,000µg/l									
ethylbenzene	700µg/l									
xylenes (sum of o-, m- and p- isomers = total xylenes)	1,400 to 10,000µg/l									
naphthalene	140µg/l									
1,2,4-trimethylbenzene	67µg/l									
1,3,5-trimethylbenzene	67µg/l									
Groundwater Inorganic Parameters										
total dissolved solids (TDS)	<1.25 X local background									
chloride ion	250mg/l or <1.25 X local background									
sulfate ion	250mg/l or <1.25 X local background									

Soils	Residential Soil Screening Level Concentrations (mg/kg)	Protection of Groundwater Soil Screening Level Concentrations (mg/kg)								
Organic Compounds in Soils										
benzene	1.2	0.0026 (M)								
toluene	490	0.69 (M)								
ethylbenzene	5.8	0.78 (M)								
xylenes (sum of o-, m- and p- isomers = total xylenes)	58	9.9 (M)								
1,2,4-trimethylbenzene	30	0.0081 (R)								
1,3,5-trimethylbenzene	27	0.0087 (R)								
acenaphthene	360	0.55 (R)								
anthracene	1800	5.8 (R)								
benz(a)anthracene	1.1	0.011 (R)								
benzo(b)fluoranthene	1.1	0.3 (R)								
benzo(k)fluoranthene	11	2.9 (R)								
benzo(a)pyrene	0.11	0.24 (M)								
chrysene	110	9 (R)								
dibenzo(a,h)anthracene	0.11	0.096 (R)								
fluoranthene	240	8.9 (R)								
fluorene	240	0.54 (R)								
indeno(1,2,3-cd)pyrene	1.1	0.98 (R)								
1-methylnaphthalene	18	0.006 (R)								
2-methylnaphthalene	24	0.019 (R)								
naphthalene	2	0.0038 (R)								
pyrene	180	1.3 (R)								
Metals in Soils										
arsenic	0.68	0.29 (M)	1.2	1.9	3.8	2.7				
barium	15000	82 (M)	190	210	270	230				
cadmium	71	0.38 (M)	ND	ND	ND	ND				
chromium (VI)	0.3	0.00067 (R)	ND	ND	ND	ND				
copper	3100	46 (M)	36	40	51	36				
lead	400	14 (M)	15	15	18	14				
nickel	1500	26 (R)	18	19	26	22				
selenium	390	0.26 (M)	ND	0.35	0.55	0.3				
silver	390	0.8 (R)	ND	ND	ND	ND				
zinc	23000	370 (R)	76	86	110	92				

*The letter "(**R**)" following a protection of Groundwater soil screening level indicates the concentration is derived from a risk-based approach. The letter "(**M**)" following a protection of Groundwater soil screening level indicates the concentration is derived from the drinking water MCL.*