

BNL (Enterprise) Inc Jackson #31 SENW 3054 API: 05-071-09943		2/28/2025	2/28/2025	2/28/2025
CLEANUP CONCENTRATIONS		JX31 S-1	JX31 S-2	JX31 S-3
Contaminant of Concern	Concentrations			
Soil TPH (total volatile [C6-C10] and extractable [C10- C36] hydrocarbons)	500mg/kg	ND	ND	41.4
Soils and Groundwater - liquid hydrocarbons including condensate and oil	below visual detection limits	NA	NA	NA
Soil Suitability for Reclamation				
Electrical conductivity (EC) (by saturated paste method)	<4mmhos/cm	6.29	4.79	5.58
Sodium adsorption ratio (SAR) (by saturated paste method)	<6	3.61	8.63	12.20
pH (by saturated paste method)	6-8.3	12.20	9.56	9.33
boron (hot water soluble soil extract)	2mg/l	0.741	0.522	0.497
Organic Compounds in Groundwater				
benzene	5µg/l	ND	ND	ND
toluene	560 to 1,000µg/l	ND	ND	ND
ethylbenzene	700µg/l	ND	ND	ND
xylenes (sum of o-, m- and p- isomers = total xylenes)	1,400 to 10,000µg/l	ND	ND	ND
naphthalene	140µg/l	ND	ND	ND
1,2,4-trimethylbenzene	67µg/l	ND	ND	ND
1,3,5-trimethylbenzene	67µg/l	ND	ND	ND
Groundwater Inorganic Parameters				
total dissolved solids (TDS)	<1.25 X local background	NA	NA	NA
chloride ion	250mg/l or <1.25 X local background	NA	NA	NA
sulfate ion	250mg/l or <1.25 X local background	NA	NA	NA

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)	ND	ND	ND
toluene	490	0.69 (M)	ND	ND	ND
ethylbenzene	5.8	0.78 (M)	ND	ND	ND
xylenes (sum of o-, m- and p- isomers = total xylenes)	58	9.9 (M)	ND	ND	ND
1,2,4-trimethylbenzene	30	0.0081 (R)	ND	ND	ND
1,3,5-trimethylbenzene	27	0.0087 (R)	ND	ND	ND
acenaphthene	360	0.55 (R)	ND	ND	ND
anthracene	1800	5.8 (R)	ND	ND	ND
benz(a)anthracene	1.1	0.011 (R)	ND	ND	ND
benzo(b)fluoranthene	1.1	0.3 (R)	ND	ND	ND
benzo(k)fluoranthene	11	2.9 (R)	ND	ND	ND
benzo(a)pyrene	0.11	0.24 (M)	ND	ND	ND
chrysene	110	9 (R)	ND	ND	ND
dibenzo(a,h)anthracene	0.11	0.096 (R)	ND	ND	ND
fluoranthene	240	8.9 (R)	ND	ND	ND
fluorene	240	0.54 (R)	ND	ND	ND
indeno(1,2,3-cd)pyrene	1.1	0.98 (R)	ND	ND	ND
1-methylnaphthalene	18	0.006 (R)	ND	0.011	0.005
2-methylnaphthalene	24	0.019 (R)	0.002	0.02	0.011
naphthalene	2	0.0038 (R)	ND	ND	ND
pyrene	180	1.3 (R)	ND	ND	ND
Metals in Soils					
arsenic	0.68	0.29 (M)	2.20	1.97	3.37
barium	15000	82 (M)	52.20	152	102
cadmium	71	0.38 (M)	ND	ND	ND
chromium (VI)	0.3	0.00067 (R)	ND	ND	ND
copper	3100	46 (M)	39.50	ND	10
lead	400	14 (M)	2.03	4.07	3.08
nickel	1500	26 (R)	7.74	5.93	9.4
selenium	390	0.26 (M)	0.40	ND	ND
silver	390	0.8 (R)	ND	0.18	0.0966
zinc	23000	370 (R)	ND	ND	ND

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.