

Electrical Vault Sample Summary Table
Pilgrim Nuclear Power Station
HDI

Sample ID:	BF-4					
Date Collected	11/9/2021					
Parameter	Units	EPA Drinking Water Criteria (MCL) ¹	Saltwater CMC (acute) ²	NPDES Minimum Level of Detection	Method Detection Limit	Result ³
TSS	mg/L	NS	NS	5	1.1	27.3
TPH	mg/L	NS	NS	5	---	---
Gasoline Range Organics ⁴	ug/L	NS	NS	NA	4.2	ND
Diesel Range Organics ⁴	ug/L	NS	NS	NA	0.31	ND
cyanide	ug/L	200	1	10	1	ND
benzene	ug/L	5	NS	2	0.41	ND
toluene	ug/L	1000	NS	2	0.51	ND
ethylbenzene	ug/L	700	NS	2	0.74	ND
(m,p,o) xylenes	ug/L	10000	NS	2	0.66	ND
Total BTEX	ug/L	NS	NS	2	NA	ND
naphthalene	ug/L	NS	NS	2	0.58	ND
Total phenols	ug/L	NS	NS	50	1.67	ND
Total phalates	ug/L	NS	NS	5	88	ND
bis (2-ethyleyl) phalate	ug/L	NS	NS	5	62	ND
Total PCBs	ug/L	0.5	NS	0.5	0.0347	ND
antimony	ug/L	6	NS	10	1	ND
arsenic	ug/L	10	69	20	5.6	10.0
cadmium	ug/L	5	33	10	0.3	ND
chromium III	ug/L	100*	NS	15	6	7.5
chromium VI	ug/L	100*	1100	10	5	ND
copper	ug/L	1300	4.8	3	0.3	121.2
lead	ug/L	15	210	0.5	0.5	8.0
mercury	ug/L	2	1.8	0.2	0.043	ND
nickel	ug/L	NS	74	20	0.6	3.3
selenium	ug/L	50	290	20	8.7	ND
silver	ug/L	NS	1.9	10	1.7	ND
zinc	ug/L	NS	90	15	3.3	417.2
iron	ug/L	NS	NS	20	33	1560.0

Notes and Abbreviations:

* = total chromium

1) <https://www.epa.gov/ground-water-and-drinking-water/national-primary-drinking-water-regulations>2) <https://www.epa.gov/wqc/national-recommended-water-quality-criteria-aquatic-life-criteria-table>

3) A conversion factor was applied to the raw analytical results for arsenic, cadmium, chromium VI, copper, lead, mercury, nickel, selenium, silver, and zinc to represent dissolved metal concentrations (Massachusetts Surface Water quality Standards, December 1, 2010)

4) TPH was not analyzed. Gasoline and diesel range organics represent the fractions most likely to be present

TSS = Total Suspended Solids

TPH = Total Petroleum Hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylenes

PCBs = polychlorinated biphenyls

mg/L = milligrams per liter

ug/L micrograms per liter

EPA MCL = Environmental Protection Agency Maximum Contaminant Level

CMC = Contaminant Maximum Concentration

NA = Non applicable

NS = no standard

ND = no detection