

**Attachment B: Groundwater Monitoring**

**Monitoring Wells: Specified in the COC<sup>4</sup>.**

GROUNDWATER CHARACTERISTICS		GROUNDWATER STANDARDS		MONITORING REQUIREMENTS		
PCS Code	Parameter Description	Daily Maximum		Frequency Measurement	Sample Type	Footnotes
00940	Chloride (as Cl)	250	mg/L	Quarterly, or as Specified in the COC	Grab	1
31616	Coliform, Fecal MF, M-FC Broth, 44.5 °C	1	#/100 mL	Quarterly, or as Specified in the COC	Grab	1, 5
00610	Nitrogen, Ammonia Total (as N)	1.5	mg/L	Quarterly, or as Specified in the COC	Grab	1
00620	Nitrogen, Nitrate Total (as N)	10	mg/L	Quarterly, or as Specified in the COC	Grab	1
00400	pH	6.5-8.5	su	Quarterly, or as Specified in the COC	Grab	1, 2
00665	Phosphorus, Total (as P)		mg/L	Quarterly, or as Specified in the COC	Grab	1
00929	Sodium, Total (as Na)		mg/l	Quarterly, or as Specified in the COC	Grab	1
70300	Solids, Total Dissolved - 180 °C	500	mg/L	Quarterly, or as Specified in the COC	Grab	1
82546	Water Level, Distance from measuring point		feet	Quarterly, or as Specified in the COC	Calculated	1, 2, 3

1. Quarterly sampling shall be conducted in January, April, July, and October or as Specified in the COC
2. The measurement of water levels shall be made prior to purging the wells. The depth to water in each well shall be measured from the surveyed point on the top of the casing with a minimum accuracy of 0.1 foot. The measurement of pH shall be made after purging and prior to sampling for the remaining parameters.
3. The measuring points (top of well casing) of all monitoring wells shall be surveyed to provide the relative elevation of the measuring point for each monitoring well. The measuring points (top of casing) of all monitoring wells shall be surveyed relative to a common datum.
4. Monitoring wells shall be reported consistent with the nomenclature and location information specified in the Certification of Coverage
5. There is not a N.C. groundwater standard specific for fecal coliform, The groundwater standard for Total Coliform (1 organism per 100 ml) is used for compliance assessment for fecal coliform .