Table 42.1-2 Surface Water Monitoring Parameter List

Parameter	Unit	Priority class[1]	Method
Flow	cfs or gpm	1	
pH	SU	1	SM4500-H B
Specific conductance	µmhos/cm	1	SM2510 B
Hardness	mg/L	3	SM2340 B
Total dissolved solids (TDS)	mg/L	3	calculation method[2]
Total suspended solids (TSS)	mg/L	2	SM2540 D
Aluminum, total	mg/L	4	EPA200.8
Arsenic, total	mg/L	4	EPA 200.7 or EPA200.8
Boron, total	mg/L	4	EPA 200.7 or EPA200.8
Cadmium, total	mg/L	3	EPA 200.7 or EPA200.8
Calcium, dissolved	mg/L	3	EPA 200.7
Iron, total	mg/L	4	EPA 200.7 or EPA200.8
Lead, total	mg/L	4	EPA 200.7 or EPA200.8
Magnesium, dissolved	mg/L	3	EPA 200.7 or EPA200.8
Manganese, total	mg/L	4	EPA 200.7 or EPA200.8
Mercury, total	mg/L	5	EPA 245.1
Potassium, dissolved	mg/L	3	EPA 200.7 or EPA200.8
Selenium, total	mg/L	4	EPA 200.7 or EPA200.8
Sodium, dissolved	mg/L	3	EPA 200.7 or EPA200.8
Bicarbonate	mg/L	3	A2320 B
Carbonate	mg/L	3	A2320 B
Chloride	mg/L	3	EPA 300.0
Fluoride	mg/L	3	EPA 300.0
Nitrate-N	mg/L	3	EPA 353.2
Sulfate	mg/L	3	EPA 300.0
Temperature[3]	°C	1	SM 2550 B

[1]analysis priority class ranging from highest (1) to lowest (6). Analysis will be conducted on highest priority parameters first, before conducting analysis on lower priority parameters.

[2]calculated from the sum of constituents. See "Techniques of Water Resources Investigations of the United States Geological Survey-Methods for Collection and Analysis of Water Samples for Dissolved Minerals and Gases"

[3]parameters acquired only from grab samples. NTEC will attempt to collect a annual grab sample at each surface water sampling location.

SU- standard units