TABLE C.2.2–1.—*Decision Criteria Standards and Risk Reduction Standards Used for the Groundwater Quality Analysis*

PARAMETER	UNITS	DECISION CRITERIA	RRS[5]
1,1-dichloroethane	µg/L	NA	10,200
1,1,1-trichloroethane	µg/L	200 (1)	200
1,2-dichloroethane	µg/L	5 (1)	5
1,3,5-trinitrobenzene	µg/L	NA	5.11
2-amino-4,6-dinitrotoluene	µg/L	NA	NA
2,4-dinitrotoluene	µg/L	NA	204
2,4,6-trinitrotoluene	µg/L	NA	51
2,6-dinitrotoluene	µg/L	NA	10,220
Alkalinity	mg/L	NA	414
Aluminum	µg/L	200 (2)	NA
Ammonia (as N)	µg/L	NA	NA
Arsenic	µg/L	50 (1)	50
Barium	µg/L	2000 (1)	2000
Benzene	µg/L	5 (1)	5
Bicarbonate	mg/L	NA	473
Boron	µg/L	NA	NA
Bromodichloromethane	µg/L	100 (3)	100
Calcium	µg/L	NA	566,000
Carbon tetrachloride	µg/L	5 (1)	5
Chloride	mg/L	300 (2)	1637
Chloroform	µg/L	100 (3)	100
Chromium (total)	µg/L	100 (1)	100
Chromium (hexavalent)	µg/L	NA	100
Cis-1,2-dichloroethane	µg/L	70 (1)	70
Copper	µg/L	1000 (2)	40
Cyanide	µg/L	200 (1)	200
Fluoride	mg/L	4 (1)	5.1
Gross Alpha (dissolved)	µCi E-9/ml	15 (1)	NA
Gross Alpha (suspended)	µCi E-9/ml	NA	NA
Gross Beta (dissolved)	µCi E-9/ml	50 (1)	NA
Gross Beta (suspended)	µCi E-9/ml	NA	NA

TABLE C.2.2–1.—*Decision Criteria Standards and Risk Reduction Standards Used for the Groundwater Quality Analysis*-Continued

PARAMETER	UNITS	DECISION CRITERIA	RRS[5]
Hardness	mg/L	NA	2238
HMX	µg/L	NA	5110
Iron	µg/L	300 (2)	1900
Lead	µg/L	15 (3)	100
Magnesium	µg/L	NA	219,000
Manganese	µg/L	50 (2)	40
Mercury	µg/L	2 (1)	2
Methylene Chloride	µg/L	NA	5
Molybdenum	µg/L	NA	NA
Nickel	µg/L	100 (1)	100
Nitrate (as N)	mg/L	10 (1)	16.2
Nitrite (as N)	mg/L	1,000 (1)	1,000
Nitrobenzene	µg/L	NA	51
Oil and Grease	µg/L	NA	NA
Orthophosphate	µg/L	NA	NA
Phenol	µg/L	NA	61,300
pH		6.5-8.5 (3)	NA
Phosphorous	mg/L	NA	1.0
Potassium	µg/L	NA	13,300
Plutonium - 239/240	µCi E-9/ml	1.2 (4)	NA
Radium - 226	µCi E-9/ml	5	5
Radium - 228	µCi E-9/ml	5	5
RDX	µg/L	NA	26
Selenium	µg/L	50 (1)	50
Silica	µg/L	NA	NA
Silver	ug/L	100 (2)	512
Sodium	µg/L	NA	1,863,000
Specific Conductance	µmho/cm	NA	15,400
Strontium	µg/L	NA	61,300
Sulfate	mg/L	300 (2)	3,750
Sulfite	mg/L	NA	NA
Total Dissolved Solids	mg/L	1000 (2)	8,057

TABLE C.2.2–1.—*Decision Criteria Standards and Risk Reduction Standards Used for the Groundwater Quality Analysis*-Continued

PARAMETER	UNITS	DECISION CRITERIA	RRS[5]
Tetrachloroethylene	µg/L	NA	5
Tetrahydrofuran	µg/L	NA	NA
Tetryl	µg/L	NA	4
Toluene	µg/L	1000 (1)	1000
Total Xylenes	µg/L	10,000 (1)	10,000
Total organic compounds	mg/L	NA	NA
Total organic halogen	mg/L	NA	NA
Trichloroethylene	µg/L	NA	5
Trichlorofluoromethane	µg/L	NA	30,700
Tritium	µCiE-6/ml	20,000 (1)	NA
Total suspended solids	µg/L	NA	NA
Uranium - 234	µCi E-9/ml	20 (4)	NA
Uranium - 238	µCi E-9/ml	24 (4)	NA
Vanadium	µg/L	NA	307
Zinc	µg/L	5,000 (2)	30,700

1) TNRCC Primary Maximum Contaminant (MCL) Level for Drinking Water (TNRCC 1994)
2) TNRCC Secondary Maximum Contaminant (SMCL) Level for Drinking Water (TNRCC 1994)
3) EPA Drinking Water Regulations and Health Advisories (EPA 1994)
4) DOE DCG's (DOE Order 5400.5)
5) RRS, Risk Reduction Standards (DOE, 1994)
Constituent abbreviations:
HMX - High melt explosive
RDX - Research development explosive
NA - Not Available