New Jersey Department of Environmental Protection

Standards for Drinking Water, Ground Water, Soil and Surface Water

Thallium

CAS #: 7440-28-0

Drinking Water Standards (µ g/l or ppb)

Standard: 2 **Type:** Primary FEDERAL MCL

Ground Water Quality Standards (µ g/l or ppb)

Standard: 2 **Type:** Specific

GW-Quality Criterion: 0.5

PQL: 2

Surface Water Quality Standards (µ g/l or ppb)

Fresh Water-

Human Health: 0.24(h)(T) **Aquatic-Acute:** **Aquatic-Chronic:**

Saline Water-

Human Health: 0.47(h)(T) **Aquatic-Acute:** **Aquatic-Chronic:**

Soil Standards (mg/kg)

Residential Direct Contact Health Based Criteria and Soil Remediation Standard

Soil Remediation Standard: **Effective:** **Interim:** ☐

Ingestion Dermal:

Inhalation:

Soil PQL:

Non-Residential Direct Contact Health Based Criteria and Soil Remediation Standard

Soil Remediation Standard: **Effective:** **Interim:** ☐

Ingestion Dermal:

Inhalation:

Soil PQL:

Description of Surface Water Footnotes:
(a) Criteria as listed at NJA 7:9B-1.14 (f)3 above as formula
(b) Criteria as listed at NJA 7:9B-1.14 (f)4 above as formula
(d) Criterion is expressed as a function of the Water Effect Ratio (WER).For criterion in the table, WER equates to the default value of 1.0.
(fc) Criteria expressed as free cyanide (as CN)/L
(h) Human health noncarcinogen
(hc) Human health carcinogen
(ol) Organoleptic effect-based criterion with no frequency of exceedance at or above the MA7CD10 flow
(s) Dissolved criterion
(T) Total recoverable criterion

FW1 means those fresh waters, as designated in N.J.A.C. 7:9B-1.15(j), that are to be maintained in their natural state of quality (set aside for posterity) and not subjected to any manmade wastewater discharges or increases in runoff from anthropogenic activities. These waters are set aside for posterity because of their clarity, color, scenic setting, other characteristic of aesthetic value, unique ecological significance, exceptional recreational significance, exceptional water supply significance or exceptional fisheries resource(s).
FW2 means the general surface water classification applied to those fresh waters that are not designated as FW1 or Pinelands Waters.
FW2-TP means FW2 trout production.
FW2-TM means FW2 trout maintenance.
FW2-NT means FW2 non- trout.
PL means Pinelands Waters
SE1 means saline estuarine waters whose designated uses are listed in N.J.A.C. 7:9B-1.12(d).
SE2 means saline estuarine waters whose designated uses are listed in N.J.A.C. 7:9B-1.12(e).
SE3 means saline estuarine waters whose designated uses are listed in N.J.A.C. 7:9B-1.12(f).
SC means the general surface water classification applied to saline coastal waters