



**NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SYSTEM ENGINEERING
TECHNICAL REVIEW FORM**

**SURFACE WATER TREATMENT RULE
(N.J.A.C. 7:10-9.1 et seq.)/(40 CFR § 141.70)**

Water Purveyor

PWSID#

Municipality

Type of Treatment: Conventional (Coagulation, Flocculation, Sedimentation)
 Other: _____

Plant Capacity: _____ Type of Media: _____

No. of Filters: _____ Depth of Media: _____

YES NO N/A

Is a full time licensed operator at the treatment plant as per 40 CFR §141.70(c)?

Filter Performance

- 1. Is the plant designed so the filtered water effluent turbidity is less than 0.3 NTU? (N.J.A.C. 7:10-9.2(a)3)
- 2. Is a continuous turbidimeter and recorder provided on each filter? (N.J.A.C. 7:10-11.14(a)3)
- 3. Is a continuous turbidimeter and recorder provided on the combined filter effluent? (N.J.A.C. 7:10-9.6(a))
- 4. Is the integrity of each turbidimeter verified at least once per day by check (grab) samples? (N.J.A.C. 7:10-9.6(b))Frequency: _____
- 5. Are procedures in place for the evaluation of individual filters on a periodic basis?
- 6. Are procedures in place to minimize turbidity spikes after backwashing? (N.J.A.C. 7:10-9.6(c))
- 7. Is each filter designed to have the capability to filter to waste at the normal production rate? (N.J.A.C. 7:10-11.8(e)3)
- 8. Is coagulant added at all times? (N.J.A.C. 7:10-9.6(e))

YES NO N/A

Disinfection Practices

- 1. Is the plant designed so as to maintain a POE disinfectant residual greater than 0.2 mg/l at all times?(40 CFR § 141.74(b)5) YES NO N/A
- 2. Is the plant designed so as to maintain a detectable disinfection residual throughout the distribution system? (40 CFR § 141.72(b)3) YES NO N/A
- 3. Is a continuous chlorine analyzer/recorder provided on the plant effluent line? (N.J.A.C. 7:10-9.5(h)) YES NO N/A
- 3. Is the integrity of the chlorine analyzer verified at least once per day by check samples? YES NO N/A
- 4. Are procedures in place for taking residual readings in the distribution system? (40 CFR § 141.74(b)6i) YES NO N/A
- 5. Are the residual sampling points the same for as the Total Coliform Rule? (40 CFR § 141.74(b)6i) YES NO N/A
- 6. Are the residual sampling times the same for as the Total Coliform Rule? (40 CFR § 141.74(b)6i) YES NO N/A

CT Calculations

- 1. Is the summer CT inactivation ratio greater than 1.0? YES NO N/A

See supporting data on page _____ of Engineer's Report

- 2. Is the winter CT inactivation ratio greater than 1.0? YES NO N/A

See supporting data on page _____ of Engineer's Report

- 3. Is the total plant capacity greater than 10 MGD? YES NO N/A
 If so, have plans for tracer studies on all basins which carry a chlorine residual been prepared? YES NO N/A

See supporting data on page _____ of Engineer's Report

4. What removal credit is the water system looking for?

Cryptosporidium _____

Giardia _____

Viruses _____

See supporting data on page _____ of Engineer's Report

Submit appropriate engineering plans, specifications, reports, etc. to substantiate your answers

I hereby certify that answers provided herein are accurate and reflective of the project being considered for approval.



Signature of Engineer
Professional Engineer's Embossed Seal

_____ Date

_____ N.J.P.E. #

_____ Type or Print Name of Engineering Firm

PA08A (09/13)

