



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave., 11th Floor, Nashville, TN 37243
1-888-891-8332 (TDEC)

Notice of Intent (NOI) - General Permit for Dischargers from Water Treatment Plants

Type of application (NOI): [] New [x] Reissuance [] Modification

(If this NOI is Reissuance or Modification provide the existing permit tracking number: TNR05 0068659)

Facility Name: Big Springs Water Treatment Plant
County: Carter
Street Address or Location: 213 Water Plant Rd. Elizabethton, TN 37643
Latitude: 36.19.008'
Longitude: 82.14.529'
Attach a copy of a topo map, a city map, or a county map, identifying the location of this facility and each outfall [x] Map Attached

Owner or Operator: (the person or legal entity which controls facility's operation; this may or may not be the same as the facility name or the official contact name):

City of Elizabethton, TN

Official Contact Person Name: (individual responsible for a facility) Chuck Wilkins
Title or Position: Lead Operator
Mailing Address: 136 South Sycamore Street
City: Elizabethton State: TN Zip: 37643
Phone: () 423-547-6206 or 423-895-0172
E-mail: cwilkins@cityofelizabethton.org

Local Contact Person Name: (if appropriate, write "same as #1") Same as #1
Title or Position:
Facility Address: (may or may not be the same as street address)
Facility City: State: TN Zip:
Phone: ()
E-mail:

Write in the box (to the right) or circle the number (above) to indicate where to send correspondence:

[]

PROCESS DESCRIPTION (Reply on a separate page, if necessary)

Name of surface waters receiving the discharge: (and the mileage point, if available)

Gap Creek at Mile 1.5 to Watauga River

A description of the source of the raw water; if surface water is used, include the distance the plant is located from the intake point; if the source is groundwater, include the number and depth of wells.

Ground Water Spring, Intake distance to plant = 125'

Submit the original completed and signed form to the above address or a scanned PDF copy to Water.Permits@tn.gov



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A description of the plant, i.e. iron removal, manganese and/or turbidity removal, and a list of any additives used in the water treatment process, such as coagulant, oxidizing enhancers, etc.
Two Horizontal Pressure filters with 4 integrated Multi-Media cells each. Turbidity Removal, Poly alum chloride

Design capacity of treatment plant in millions of gallons per day (MGD): 1.8

Number and volume of sedimentation basins: 2 Rectangular 0.15 MG

Average flow of finished water production in MGD over 12 months prior to submission of the NOI:
1.3 MGD

Filter backwashing. Number of filters backwashed: 2 Frequency for each filter: 1 times per week. Amount of water used to backwash: 0.75 for each filter. Frequency sedimentation basin is washed out: 1 times per year. Amount of water used to wash out the largest sedimentation basin: 0 gallons. Describe type of treatment provided for backwash and sedimentation basin washwaters and the design capacity of the treatment system:
Sodium Hypochlorite, Turbidity Removal-poly alum Chloride #309, 320 polymer, Filter aid, Calcium thiosulfate-neutralizing agent

Water is released from the backwash settling basin 1 times per week for 24 hours per release and a volume of 0.144 gallons per release. For existing facility, give averages from last 12 months of operation. For new facilities, indicate "not available." Describe more fully, if necessary.
100 GPM including Actiflow Discharge to basins.

A description of how sludge from the settling processes are disposed, for example, landfill, land applied, etc. Vac Tanker Truck, Dewatered, solidification disposal, taken to wastewater treatment plant.

CERTIFICATION AND SIGNATURE

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

CHUCK WILKINS LEAD OPERATOR Chuck Wilkins 9/15/20
Printed Name Official Title Signature Date

STATE USE ONLY

<i>Received Date</i>	<i>Domestic Water Supply Use</i>	<i>Protective for Lead Conc.</i>	<i>Tracking No.</i>	<i>EFO</i>
<i>Unavailable Conditions</i>	<i>Exceptional TN Waters</i>	<i>T & E Aquatic Fauna</i>	<i>NOC Date</i>	<i>Reviewer</i>

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BIG SPRINGS WTP 213 WATERPLANT ROAD

October 22, 2009

Scale: 1 inch = 151 feet