



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37242-1015
1-888-891-8332 (TDEC)

TN DEPT OF ENVIRONMENT AND CONSERVATION

SEP 29 2015

DIV OF WATER RESOURCES RECEIVED

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

Type of application: New Reissuance Modification

(If this NOI is Reissuance or Modification provide the existing permit tracking number: TNR05____)

Facility Name: <u>Bon Aqua-Lyles Utility Dist.</u>	County: <u>Hickman</u>
Street Address or Location: <u>8002 Wrigley Rd</u>	Latitude: (DD.DDD)
	Longitude: (-DD.DDD)
Attach a copy of a topo map, a city map, or a county map, identifying the location of this facility and each outfall <input type="checkbox"/> 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 site name or the official contact name)

1	Official Contact Person Name: (individual responsible for a facility) <u>Todd Cash</u>	Title or Position: <u>Plant Manager</u>		
	Mailing Address: <u>8002 Wrigley Rd</u>	City: <u>Lyles</u>	State: <u>TN</u>	Zip: <u>37098</u>
	Phone: <u>(931) 670-3142</u>	E-mail: <u>ToddICash@yahoo.com</u>		

2	Local Contact Person Name: (if appropriate, write "same as #1") <u>same as #1</u>	Title or Position:		
	Facility Address: (this may or may not be the same as street address)	Facility City:	State: <u>TN</u>	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).

North fork of Mill Creek

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.

Piney River (9 miles from intake)

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.

Fluorosilicic Acid, caustic soda, EC-309 PolyAluminum chloride, Bleach

Design capacity of treatment plant in million of gallons per day (MGD): 1.3 Number and volume of sedimentation basins: 2 100,300gal each

Average flow of finished water production in MGD over 12 months prior to submission of the NOI: .7116 (aug 2014- July 2015)

Filter backwashing. Number of filters backwashed: 5 Frequency for each filter: _____ times per week. Amount of water used to backwash: 11,000 for each filter. Frequency sedimentation basin is washed out: 2 times per year. Amount of water used to wash out the largest sedimentation basin: 100,300gal gallons. Describe type of treatment provided for backwash and sedimentation basin washwaters and the design capacity of the treatment system.

Water is released from the backwash settling basin _____ times per week for _____ hours per release and a volume of _____ 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. _____

A description of how sludge from the settling processes are disposed, for example, landfill, land applied, etc. _____

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.

Todd Cash
Printed Name

Plant Manager
Official Title

Todd Cash
Signature

9-25-15
Date

STATE USE ONLY

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

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

The plant consists of a settling basin of approximately 100,300 gal each that is drained twice a year in which it flows into the earth lagoon, which holds approximately 50,000 gal. The earth lagoon also receives the clearwell overflow and three multi-media filters discharge. The multi-media filters are currently being backwashed twice a week at 11,000 gal each washing. Also there is a concrete lagoon that holds approximately 100,000 gal that receives the membrane filters (2) discharge at 800 gal each that backwashes twice per hour, x 24 hours equals 76,800 gal max discharge. The two lagoon drains are connected together at a tee and have one discharge point. The design capacity for the plant is 1.3 MGD.

Water is released from the earth lagoon 4 times per week for 1 hour per release and at a volume of 50,000 gal per release. Water is released from the concrete lagoon 4 times per week for 3 hours per release and at a volume of 60,000 gal per release. The discharge average from Sep 2014 thru August 2015 is 85,210 gal.

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