

From: [Simerl, Ben](#)
To: [Water Permits](#)
Cc: [Steve Flynn](#)
Subject: City of Sevierville - McCroskey Island WTP - NOI General Permit for WTP Discharges
Date: Tuesday, September 04, 2018 3:07:52 PM

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Please find the attached permit application for a general discharge permit of WTP backwash water for the City of Sevierville's McCroskey Island Water Treatment Plant.

If you have any questions or need additional information, please let me know.

Thanks

Ben Simerl, P.E.

Jacobs

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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 Reissuance Modification

(If this NOI is Reissuance or Modification provide the existing permit tracking number: TNR05_____)

Facility Name:	McCroskey Island Water Treatment Plant	County:	Sevierville	
Street Address or Location:	2287 McCroskey Island Road Sevierville, TN 37876	Latitude: (DD.DDD)	35.929	
		Longitude: (-DD.DDD)	-83.597	
Attach a copy of a topo map, a city map, or a county map, identifying the location of this facility and each outfall			<input checked="" 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 facility name or the official contact name):
City of Sevierville

1	Official Contact Person Name: (individual responsible for a facility) Steve Flynn	Title or Position: Director		
	Mailing Address: 2291 McCroskey Island Road	City: Sevierville	State: TN	Zip: 37876
	Phone: () 865-868-1736	E-mail: sflynn@seviervilletn.org		

2	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:

1

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

Name of surface waters receiving the discharge: (and the mileage point, if available)
French Broad River 28.0

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.
Raw Source: French Broad River; Plant is 100 feet from the intake point.

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.

Membrane filtration for turbidity removal & disinfection. Chlorine Dioxide, Aluminum Sulfate, Lime, Sodium Hypochlorite, Fluoride

Design capacity of treatment plant in millions of gallons per day (MGD): 12

Number and volume of sedimentation basins: N/A

Average flow of finished water production in MGD over 12 months prior to submission of the NOI:
4.39

Filter backwashing. Number of filters backwashed: 6 Frequency for each filter: 469 times per week. Amount of water used to backwash: 560 gal for each filter. Frequency sedimentation basin is washed out: N/A times per year. Amount of water used to wash out the largest sedimentation basin: N/A gallons. Describe type of treatment provided for backwash and sedimentation basin washwaters and the design capacity of the treatment system: Treatment includes acid and chlorine solution backwash, chemical neutralization & settling; 2500 gal CIP & 10,500 gal Neutralization tank.

Water is released from the backwash settling basin 7 times per week for 4.2 hours per release and a volume of 225,000 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. Current discharge is to WWTP.

A description of how sludge from the settling processes are disposed, for example, landfill, land applied, etc. Biosolids from the belt filter press is hauled to Sevier Solid Waste Composting 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.

Steve Flynn

Director

8/27/18

Printed Name

Official Title

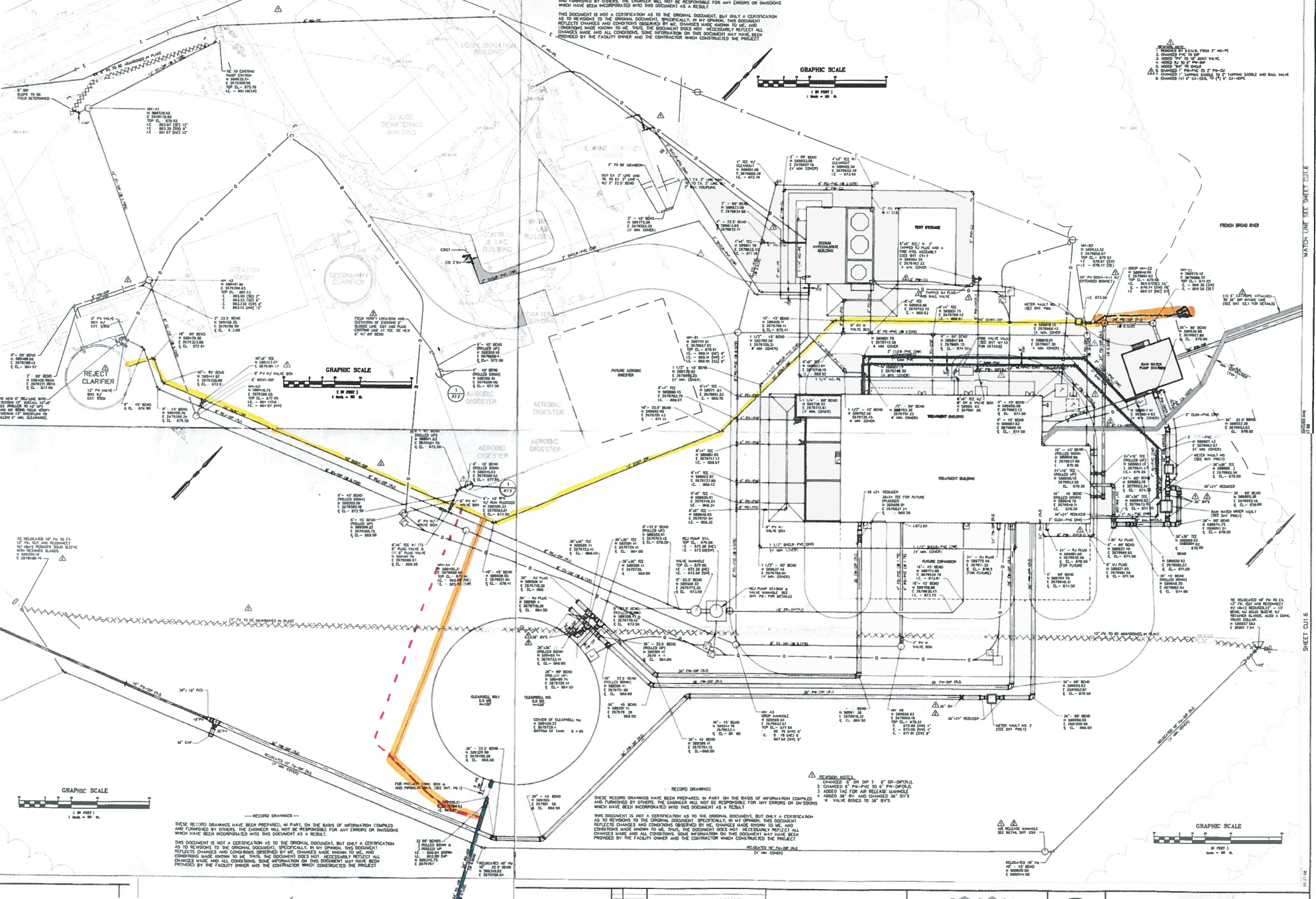
Signature

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

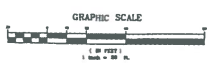




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- 1. CHANGED BY P. H. DAVIS FROM 2" TO 1"
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- 3. ADDED BY P. H. DAVIS
- 4. CHANGED BY P. H. DAVIS
- 5. CHANGED BY P. H. DAVIS
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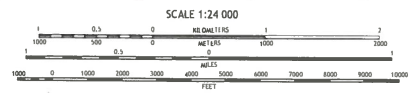
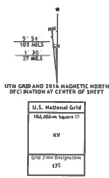
MATCH LINE SEE SHEET C-16
 SHEET C-15



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84) Projection and
10000-meter grid. Universal Transverse Mercator, Zone 17S
9000-foot UTM. Tennessee Coordinate System of 1983

This map is not a legal document. Boundaries may be generalized for this map scale. Private land with government reservations may not be shown. Obtain permission before entering private lands.

Imagery: NIP, May 2014
U.S. Census Bureau, 2015 - 2016
Roads: U.S. Census Bureau, 2015 - 2016
Hydrography: National Hydrography Dataset, 2014
Contours: National Elevation Dataset, 2011
Boundaries: Multiple sources; see metadata file 1972 - 2016
Wetlands: FWS National Wetlands Inventory 1977 - 2014



1	2	3	1 Hamlet
4	5	6	2 New Market
7	8	9	3 Jefferson City
			4 Sandy Creek
			5 Sandy Cove
			6 Middle Creek
			7 Pigeon Forge
			8 Richland Cove

JOHNCOG QUADRANGLES

ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Hwy	Local Road
Route	Trail
Interstate Route	US Route
	State Route

DOUGLAS DAM, TN
2016

