



Department of Environment and Conservation - Division of Water Resources

William R. Snodgrass - Tennessee Tower

312 Rosa L. Parks Avenue, 11th Floor

Nashville, Tennessee 37243-1102

JUN 12 2015

DIV OF WATER RESOURCES RECEIVED

NOTICE OF INTENT (NOI) - WATER TREATMENT PLANT DISCHARGE PERMIT

Facility Name: LAY Springs TP-001	County: UNION
Street Address or Location: 161 Mill Pond, MAYNARDVILLE, TN 37807	Latitude: N 36° 16' 16.8"
	Longitude: - 83 44' 32.6"

▪ All entries must be in ink. ▪ Attach a copy of U.S.G.S. topographical map, a city map, or a county map, identifying the location of this facility. ▪ This NOI must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency. ▪ If this NOI is submitted because of new operator or to update facility information (such as name of facility, new official contact person name, new E-mail address, etc.), provide the existing permit tracking number:

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)
City of MAYNARDVILLE

Official Contact Person Name: (individual responsible for a facility) JACK RHYNE	Title or Position: CITY MANAGER
Mailing Address: 125 JOHNSON Rd.	City: MAYNARDVILLE TN State: TN Zip: 37807
Phone: 865-992-3821	E-mail: citymgr@bellsouth.net

Local Contact Person Name: (if appropriate, write "same as #1") JAMES L. WARWICK	Title or Position: OPERATOR
Facility Address: (this may or may not be the same as street address) 161 Mill Pond	Facility City: MAYNARDVILLE TN State: TN Zip: 37807
Phone: 865-640-0996	E-mail: JAMESLWARWICK@COMCAST.NET

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).
HAMILTON GAP BRANCH

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.

2 ONE IS SPRING AND ONE IS WELL 100 FT FOR WELL

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.

2 pressure f. lters with media. We use 369 polymer, flocculant, Bleach

Design capacity of treatment plant in million of gallons per day (MGD): **0.300** Number and volume of sedimentation basins: **2 pressure filters**

Filter backwashing. Number of filter backwashed: **2** Frequency for each filter: **1** times per week. Amount of water used to backwash: **6,000** gallons for each filter. Frequency sedimentation basin is washed out: **0** 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.
BACKWASH WATER SETTLERS IN SEDIMENTATION BASINS FOR 5 DAYS

Water is released from the backwash settling basin **1** times per week for **1** hours per release and a volume of **12,000** 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.
52 WASHES PER YEAR... 624,000 GALLONS PER YR. 4.33 WASHES PER MONTH

A description of how sludge from the settling processes are disposed, for example, landfill, land applied, etc.
PUMPED OUT AND LAND APPLIED

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

JACK RHYNE Printed Name **City Mgr** Official Title **Jack Rhyme** Signature **6-8-15** Date

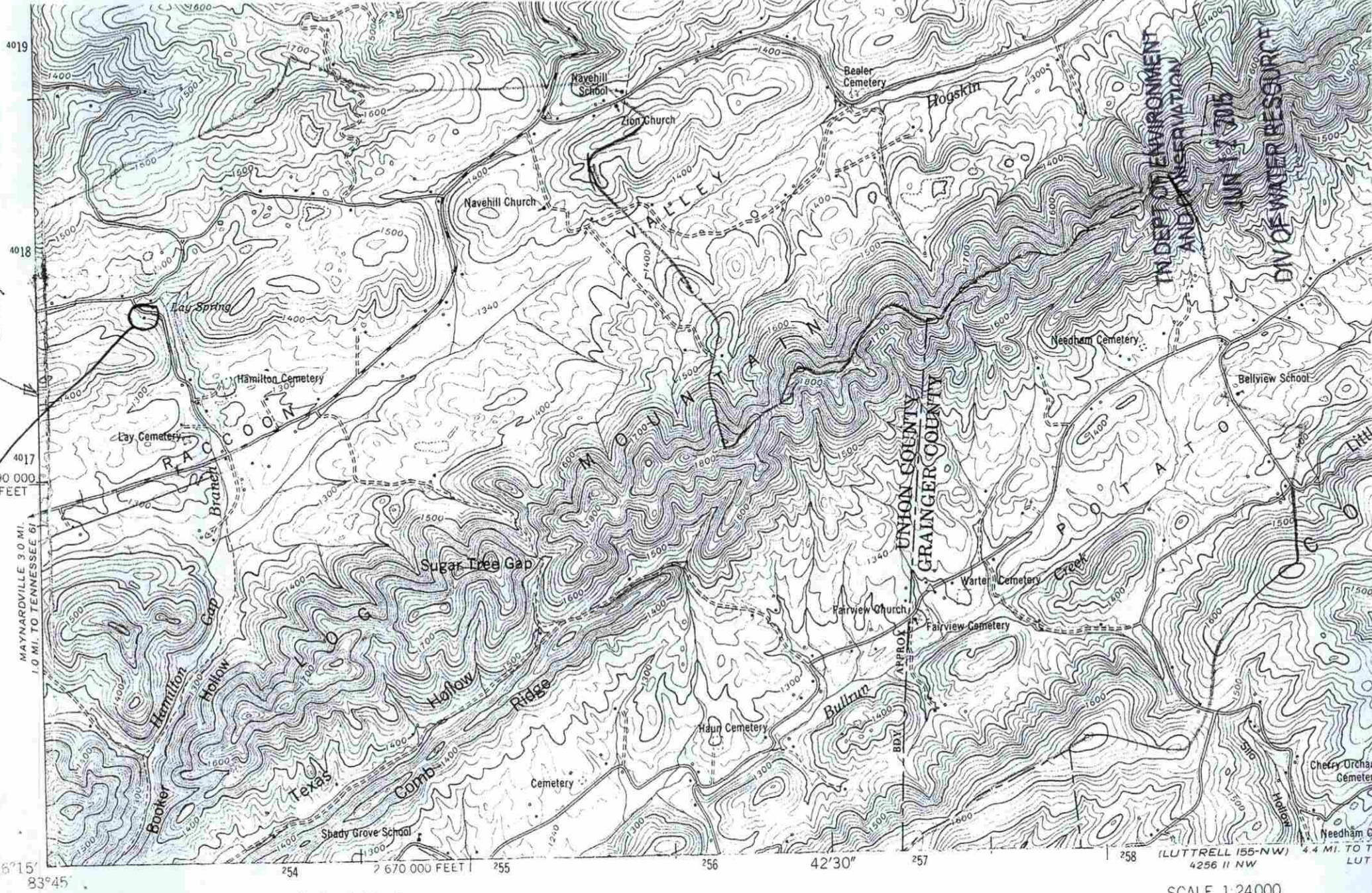
STATE USE ONLY

Received Date	Domestic Water Supply Use	Protective for Lead Conc.	Tracking No. TN0081736	EFO
Impaired Receiving Stream	Exceptional Water	T & E Aquatic Fauna	NOC Date	Reviewer

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

Present 1" = 2000'
Brim to 1" = 200'

LAY
SPRINGS
WTP



MAYNARDVILLE 3.0 MI.
1.0 MI. TO TENNESSEE 61

36°15'
83°45'

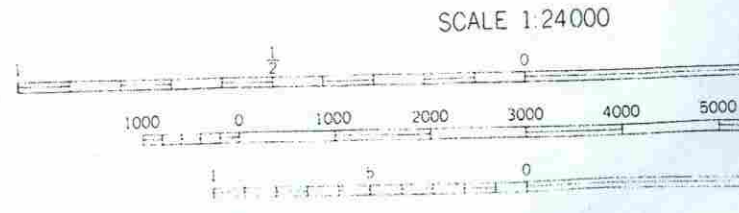
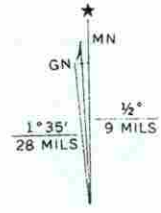
Mapped and edited by Tennessee Valley Authority
Published by the Geological Survey

Control by USC&GS, USGS, and TVA

Complete field revision by TVA 1952, using aerial photographs
taken 1952 and by reference to TVA-USGS quadrangle dated
1942. Original map compiled by multiplex methods from
aerial photographs taken 1940

Polyconic projection, 1927 North American datum

GRAVESTON 146° NE,
4256 III NE



SCALE 1:24000

CONTOUR INTERVAL 20 FEET