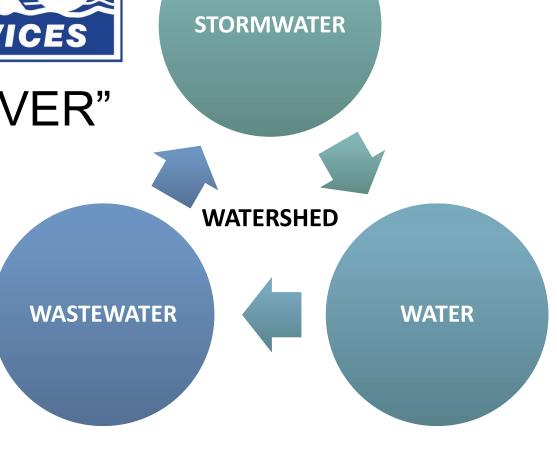




"RIVER to RIVER"





Nashville's Sewer System



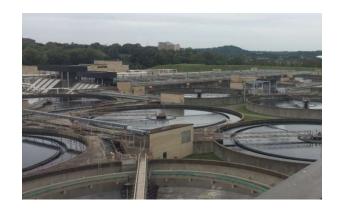
Construction of Nashville's sewage collection system began in the late 1800s within former Nashville "city limits."

This system carried both stormwater and sewage directly to the Cumberland River without treatment.





Four Reclamation Facilities



Central WWTP – 1958 125/330 MGD



Dry Creek WWTP – 1961 25/63 MGD



Whites Creek WWTP – 1976 37.5/120 MGD

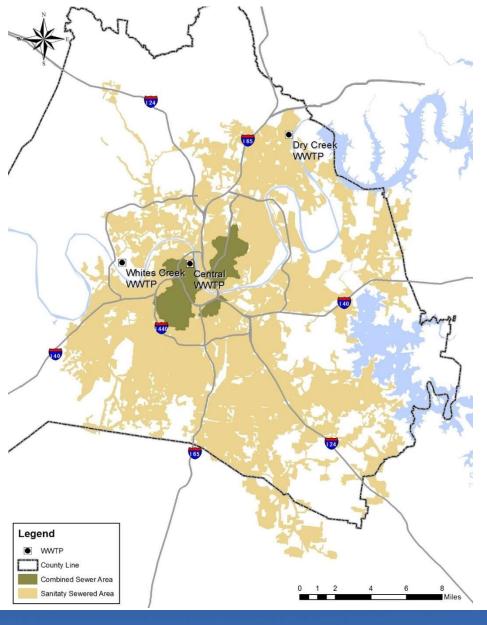


Biosolids



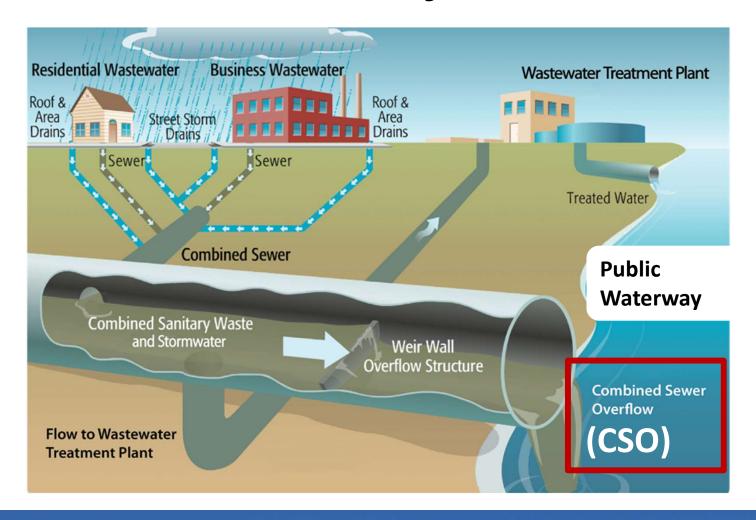
Nashville's Sewer System

- Serves a population of 700,000+
- Contains both combined sewers and separate sanitary sewers
- Receives flow from 9 satellite communities





Combined Sewer System





Overflows Led to a Consent Decree

Received

2007 007 24 7/1 10: 18

Machen St. Joing IN

UNITED STATES DISTRICT COURT FOR THE MIDDLE DISTRICT OF TENNESSEE (Nashville Division)

THE UNITED STATES OF AMERICA and THE STATE OF TENNESSEE,

Plaintiffs.

.

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY,

Defendant.

CIVIL ACTION 7 1056

JUDGE ECHOLS

CONSENT DECREE

INTRODUCTION

WHEREAS, the United States of America, on behalf of the Administrator of the United States Environmental Protection Agency ("EPA"), filed a Complaint alleging that the Defendant, the Metropolitan Government of Nashville and Davidson County, Tennessee ("Metro"), acting by and through its Department of Water and Sewerage Services, has violated the Clean Water Act, 33 U.S.C. § 1251, et seq. ("CWA"); and

WHEREAS, the CWA imposes strict liability based upon any violation of the CWA; and
WHEREAS, on April 30, 2007, the State of Tennessee ("State") issued a sixty (60) day
notice of intent to sue Metro pursuant to 33 U S C. § 1365, and thereafter filed a Complaint





What is a Consent Decree?

Agreement
based on
enforcement
for violations
of the Clean
Water Act

Metro Nashville

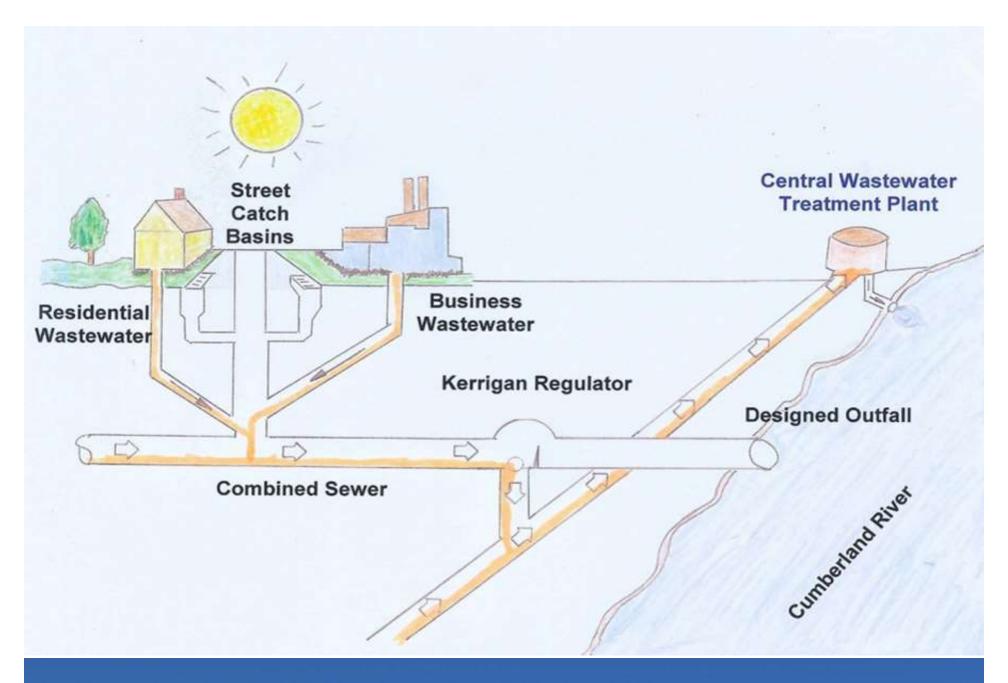
EPA

U.S. Department of Justice

TN Department of Environment and Conservation

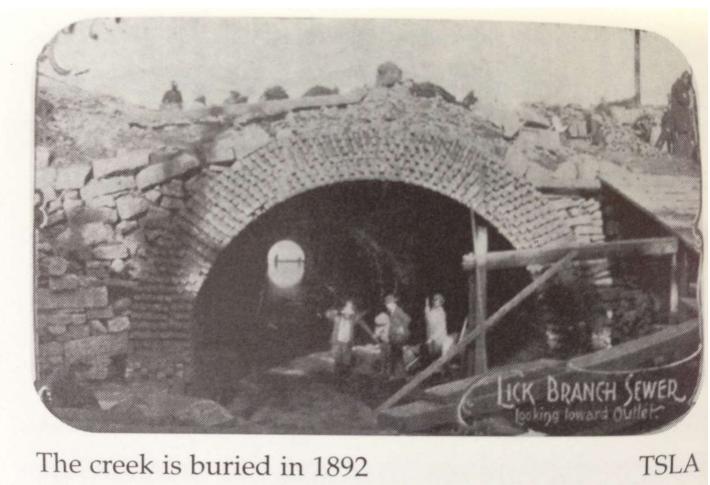
TN Attorney General

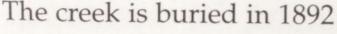






Kerrigan sewer dates to 1890s







Central Wastewater Treatment Plant (Central Water Reclamation Facility)









Central Headworks Improvements

- New 440 MGD headworks facility to reduce impacts of debris and achieve enhanced grit removal and removal of disposable wipes.
- Architectural features based on community feedback





Blasting for Central Headworks



Area = 55,000 sq. ft.

- 35' deep
- 2 months
- 220 blasts

35,000 cu. yds of material removed



Aeration Improvements





Disinfection Improvements

- Currently feed chlorine and sulfur dioxide
- Convert existing chlorine contact basins to UV disinfection









Improved Conveyance Piping







3rd Avenue Greenway





Dog Park





North Greenway and Park Improvements





Virtual Open House for Community

Flexible format allows audio tracks, embedded videos, slide shows, graphic displays to be shared via e-mail link





More info on Clean Water Nashville?

www.cleanwaternashville.org



Learn

- Program Overview and Mission
- · History and Consent Decree
- Droinet Tunne

Highlighted Projects

- Annual Rehabilitation FY2014 Whites Creek Trunk
- Brick Church Pike Pine Improvements

News

- West Park Improvements Complete | 05-Sep-2018
- CWWTP: Gathering neighborhood input I

