



Utility Commission Update

JULY 2011

Electronics Landfill Ban Takes Effect 7/1

Televisions, computers and computer equipment will no longer be accepted at landfills across North Carolina starting July 1.

The electronic waste disposal ban affects computer equipment, including CPUs, laptops, monitors, printers, printer/fax/scan devices, mice and keyboards; and all televisions, including flat-panel televisions, projection televisions and televisions with picture tubes.

The ban will affect households in Winston-Salem with bulky item collection after July 1. These households will not be able to place televisions and computer equipment out for collection. The ban does not affect city garbage collections, which already do not accept electronic waste.

Throughout the year, residents may drop off these televisions and computer equipment at no charge at any attended Goodwill Donation Center and 3RC The Enviro-Station at 1401 S. Martin Luther King Jr. Drive, across from Bowman Gray Stadium.

Businesses should make arrangements for disposing of



Residents may drop off computer equipment and televisions at no charge to any attended Goodwill Donation Center and 3RC The Enviro-Station at 1401 S. Martin Luther King Jr. Drive, across from Bowman Gray Stadium.

their e-waste through 3RC, the company that operates the Enviro-Station, or through Goodwill Industries of Northwest North Carolina, which can schedule a pick-up of commercial donations. Businesses may contact 3RC at 784-4300 or Goodwill Industries at 724-3625. There are approximately 24 county electronics collection sites located throughout the Winston-Salem / Forsyth County area.

The landfill ban on these e-wastes was included in Session Law 2010-67 of the General Assembly, which establishes an

electronics recycling program for North Carolina with shared responsibility between manufacturers, retailers, consumers, and local and state government.

More information about the statewide e-waste disposal ban and alternate forms of e-waste management is available at the North Carolina Department of Environment and Natural Resources <http://portal.ncdenr.org/web/wm/sw/electronics>.

The Utilities Division is responsible for providing Winston-Salem and Forsyth County residents, businesses, industry, and contractors and developers access to facilities for safe disposal of solid waste.

INSIDE ISSUE

R.A. Thomas Water Plant	2
Elledge Waste-water Plant	3
Employee Spotlight	4

R.A. Thomas Water Treatment Plant

Engineer: Black & Veatch
Contractor: Pizzagalli Construction Company (PC Construction)

Original Contract Amount: \$55,240,000
Approved Change Orders: \$1,065,914
Current Contract Price: \$56,305,914

Notice To Proceed: October 20, 2008
Substantial Completion Date: July 8, 2011
Final Completion Date: August 20, 2011
Anticipated Final Completion Date: August 20, 2011

Background Information:

- Site has been in operation since 1906
- Modern Plant Built in 1925
- Expanded to 24 million gallons per day in 1951
- Upgraded in 1979, 1998, 2003
- Dual source plant, Yadkin River & Salem Lake
- Addition of New Swann Plant provided enough system capacity for demolition and reconstruction

Key Design Criteria:

- Demolition of existing 24 million gallons per day plant
- Construction of new 18 million gallons per day plant
- Designed for future treatment regulations
- 18 million gallons per day optimizes source water capacity
- Ability to treat both sources simultaneously

Project Upgrades Included:

- Operations Building
- Basin and Filtration Complex
- Two – (1) million gallon Finished Water Reservoirs
- Wash Water Components
 - Supply Tank, Clarifier, Equalization Basin
- Finished Water Pump Station
- Switchgear; Standby-By Generators
- Pre-treatment Capability
- Residuals Lagoons Expansion

Project Specifics:

- 17 local jobs created by project
- 15% of project cost remained local
- Concrete – 16,000 cubic yards
- Total piping installed – 56,100 ft.

Elledge Wastewater Treatment Plant Influent Pumping Station and Primary Treatment Improvements

Engineer: Black & Veatch (B&V) and HDR
Contractor: Western Summit Constructors, Inc.

Original Contract Amount: \$51,918,298
Approved Change Orders: \$576,491
Current Contract Price: \$52,494,789

Notice To Proceed: November 17, 2008
Substantial Completion Date: March 31, 2011
Final Completion Date: June 1, 2011
Anticipated Final Completion Date: July 1, 2011

Background Information:

- Archie Elledge WWTP originally built in 1956 (named after a member of Board of Alderman)
- Existing Headworks and Influent Pump Station was constructed in 1969
- 30 million gallons per day activated sludge plant
- Existing facilities had severe corrosion and degradation due to age and hydrogen sulfide corrosion
- Existing facilities were located in the flood plain

Key Design Criteria:

- Eliminate two stage pumping
- Consolidate power distribution facilities
- Designed for future
- Minimize odor potential
- Provide grit removal and screening before pumping
- New facilities design for a peak hydraulic flow of 100 million gallons per day

Project Upgrades Included:

- Consolidated influent pumping facilities, screening, grit removal (B&V)
- Odor control for Influent Pump Station (B&V)
- Plant power distribution facilities and emergency generators (B&V)
- Septage receiving station (B&V)
- Primary clarifiers (HDR)
- Primary sludge pumping station (HDR)
- Control building (HDR)
- Remodeling of existing central control building (HDR)

Project Specifics:

- 24 local jobs created by project
- Approximately \$2-3 million of supplies purchased within the county
- Concrete – 14,500 cubic yards
- Total piping installed - 12,500 linear feet



CHAIRMAN
David Neill

CITY COUNCIL APPOINTMENTS

Toyoko (Toy) Beatty
Harold R. Holmes
Janeen Lalik
James Hill Stockton
Randall S. Tuttle

COUNTY APPOINTMENTS

Charles D. Jewell, II
James Lowe
Paul S. McGill
Al H. Seymour
Stephen M. Shelton

The City/County Utility Commission (CCUC) was established by the City of Winston-Salem and by Forsyth County as the policy making board for all water and sewer facilities operated by the City. It has the same authority and responsibility as the City or the County to fix rates, charges or assessments, and to provide for improvements and extensions to such facilities, with the exception that the Commission has no authority to issue bonds or incur debt without prior approval of the City Council.

Meeting Date and Time

Second Monday of each month at 2 p.m.

www.cityofws.org/utilities



Mayor: Allen Joines; City Council: Vivian H. Burke, Mayor Pro Tempore, Northeast Ward; Denise D. Adams, North Ward; Dan Besse, Southwest Ward; Robert C. Clark West Ward; Molly Leight, South Ward; Wanda Merschel, Northwest Ward; Derwin L. Montgomery, East Ward; James Taylor, Jr., Southeast Ward; City Manager: Lee D. Garrity

Forsyth County Commissioners: Richard V. Linville, Chairman; Debra Conrad, Vice Chair; Walter Marshall, David R. Plyler, Gloria D. Whisenhunt, Bill Whiteheart, Everette Witherspoon, County Manager: Dudley Watts, Jr.



Utility Commission Update is produced by the Winston-Salem/Forsyth County Utilities Department, City of Winston-Salem, P.O. Box 2511, Winston-Salem, NC 27102

Utility Division Employee Spotlight



**Allison
Williamson**

Title: Utilities Supervisor/GIS Team Leader
Education: Appalachian State University
Years with the City: One Year

Primary Responsibilities: Coordinate the GIS mapping of water and wastewater within the City/County Utility service area; provide mapping support for utilities field crew and administration.

Current Projects:

- Asset Collection Project
- Debris/Grease Sewer Mainline Cleaning Mapping
- General Off Right-of-Way Inspections Mapping

What does she like most about working for Utilities: “I like the large scope of projects involved with Utilities. There are so many different aspects of the water & wastewater systems that I had never considered. Seeing how all of the different programs work together to keep the City functioning is truly fascinating. Being able to be a part of the system makes me feel like I am really giving back to the community.”

**More CCUC
News of Note**

The City /County Utilities Division began it’s program to replace water lines and rehabilitate sewer pipes in the Ardmore neighborhood. Work began on Monday, June 6 at Lockland Avenue from Academy Street to approximately 250’ south of Ardsley Street. This is part of the Ardmore Area Water and Sewer Rehabilitation project to upgrade aging water and sewer system in this area.

The overall construction will include laying new water lines, rehabilitating the existing sewer lines along with reconnecting all of the water and sewer services.

For more information call 727-8000 or visit www.cityofws.org Utilities Department