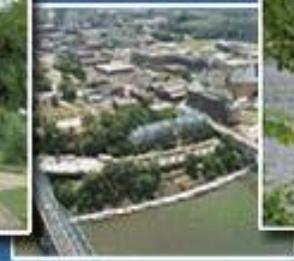


Hamilton County
TENNESSEE



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HAMILTON COUNTY
WATER & WASTEWATER TREATMENT AUTHORITY

PUBLIC BRIEFING

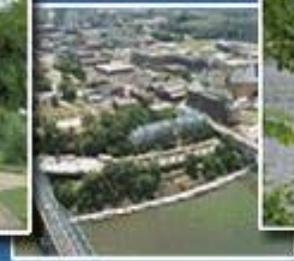
For the Town of Signal Mountain

July 26, 2007

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WWTA Objectives

Foster Economic Development
Address Environmental Health Issues

Hamilton County Water & Wastewater Treatment Authority Board

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Tom Card (City of East Ridge)

Billy Cooper (City of Ridgeside)

Wayne Hamill (City of Red Bank)

John A. McPherson (City of Lakesite)

Ansley H. Moses (Town of Lookout Mountain Tennessee)

Bob Privett (City of Soddy Daisy)

Hamilton County Water & Wastewater Treatment Authority Employees

Cleveland T. Grimes, WWTA Executive Director

John R. Anderson, Esq., WWTA Attorney

Wanda Counts, WWTA Administrator

Amber P. Thornton, PE, WWTA Systems Engineer

Audrey Johnson, WWTA Clerk

Nancy Maynor, WWTA Clerk

Terry Babcock, WWTA Accounting Clerk

Tatiana Grajdieru, WWTA GIS Mapping Technician

19 WWTA Technicians, Inspectors, & Supervisors

PUBLIC BRIEFING TOPICS

- The State of Tennessee Department of Environment and Conservation (TDEC) imposed moratorium on new sewer service within the Town of Signal Mountain.
- Condition of the existing sewer line, current and future sewer relining, and dig & replace sewer projects.
- New sewer line & pump station being built to serve the New High School on Signal Mountain.
- The future for sewer service on Signal Mountain.

TDEC's Moratorium on New Sewer Connections

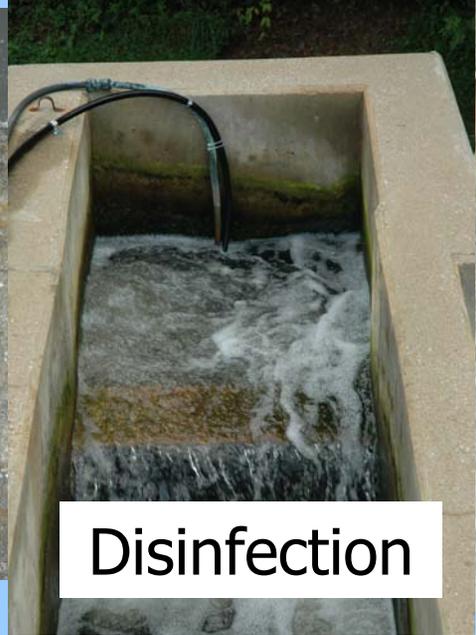
- The effective date was June 11, 2007.
- The Signal Mountain WWTP NPDES Permit has been modified to include the Moratorium.
- TDEC's 30-day public review and comment period ended on July 11, 2007.
- WWTA and TDEC have made several recommendations to the Proposed Compliance Program and Schedule.
- TDEC's local field office and Nashville have agreed that the device used to address compliance will be a "Compliance Agreement".
- The Moratorium shall remain in effect until bypassing has been effectively eliminated.
- The WWTA will submit an engineering report to TDEC that describes and evaluates the alternatives available to eliminate the bypasses or outlines improvements to the Treatment Plant to meet today's regulations.
- Sewer connections not effected by Moratorium:
 - Documented septic tank failures
 - Existing structures paying for sewer availability
 - Developments or lots that have agreements with the WWTA prior to June 11, 2007.
- As Inflow & Infiltration (I&I) is removed from the system, a formula will be developed to allow new sewer connections based on the amount of I&I removed.
- The WWTA projects the moratorium period to last a minimum of 2-3 years and hopefully no longer than 5 years.



INFLUENT



By-Pass



Disinfection



EFFLUENT



Signal Mountain Treatment Plant

Condition of the Existing Sewer Line, Current and Future Sewer Relining, Dig & Replace Projects

- The Town of Signal Mountain has had a sewer system in some areas since 1914:
 - Sewer in some areas has been in place for 93 years.
 - Combined community sewer service line connections would not be permitted today and are a continual source of problems.
 - The sewer collection system was designed with an overflow system which has been sealed and would not be permitted today.
- In August of 2001 The Town of Signal Mountain received a letter from the WWTA:
 - The Chattanooga Times Free-Press had reported that the Mayor and the Council Members for the Town of Signal Mountain were considering a 150% rate increase to sewer service fees.
 - The WWTA extend a partnership offer to the Town to provide sewer service.
 - The Town became a member and the WWTA accepted the system in September 2002.
- Continuing Maintenance Cost After September 2002:
 - The WWTA has spent about \$200,000 on point repairs and raising manholes,
 - Over \$250,000 for designs, engineering studies, and the development of a Storm Water Pollution Prevention Plan of the Wastewater Treatment Plant,
 - Nearly \$52,000 on facility improvements at the Treatment Plant,
 - More than \$43,000 on lab testing equipment and chemicals,
 - Over \$175,000 on equipment for pumping, hauling, and disposing of the sludge from the Signal Mountain WWTP,
 - \$516,000 to have the collection system cleaned, tested, and mapped,
 - Nearly \$280,000 rehabilitating by relining existing sewer pipes,
 - 35% of the \$2.4 Million construction cost for sewers to serve the new and existing school and park,
 - A projected cost of about \$250,000 to dig and replace part of the sewer system in Phase I of the rehabilitation area, and
 - Phase II sewer rehabilitation by relining project has been identified and will be estimated to cost nearly \$300,000.

Continuing Maintenance Cost After September 2002

- \$200,000 on point repairs and raising manholes
- 250,000 for designs engineering studies & SWPPP
- 52,000 on facility improvements
- 43,000 on lab testing equipment and chemicals
- 175,000 on equipment for pumping, hauling, and disposing of the sludge
- 516,000 to have the collection system cleaned, tested, and mapped
- 280,000 rehabilitating by relining existing sewer pipes
- 840,000 to serve the new & existing school and park
- 250,000 for Phase I Sewer Rehabilitation
- 300,000 for Phase II Sewer Rehabilitation

\$2,906,000

New Sewer Line being built to Serve the New High School



Nolan Elementary &
Proposed Signal Mountain High School

Mississippi Ave

James Blvd

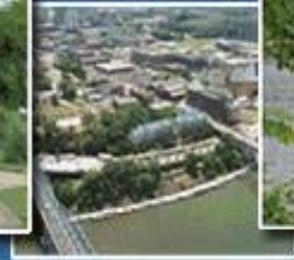
The Future of WWTA Sewer Service on Signal Mountain

- WWTA and the Town of Signal Mountain are working together to develop Town Ordinances and WWTA Sewer Administration Rules and Regulations to address current and future issues.
- WWTA would welcome the Town of Signal Mountain as our partner to implement a Master Sewer Plan.
- WWTA is studying alternative routes for the Signal Mountain Sewer Collection System to remove wastewater from the mountain.
- The WWTA wants to eradicate the environmental health issues on Signal Mountain and be a good steward of the growth and economic development.

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Questions?

Archie Manning said to his sons,

“Pressure is only something you feel if you don’t know where you’re going.”