

# Hugh A. Wyckoff Water Treatment Plant Regulatory and Operational Improvements Project



The Wyckoff Regulatory and Operational (R & O) Improvements Project is being undertaken by the Cobb County-Marietta Water Authority to rehabilitate the facility and prepare it for compliance with new federal regulatory requirements that go into effect in 2012.



## Who is the Cobb County-Marietta Water Authority?

The Cobb County-Marietta Water Authority (CCMWA) is the second largest provider of drinking water in Georgia. Through two water plants, CCMWA provides treated drinking water on a wholesale basis to Cobb County, Paulding County, Douglasville-Douglas County Water and Sewer Authority, Cherokee County Water and Sewerage Authority, City of Marietta, City of Smyrna, City of Austell, City of Powder Springs, City of Mountain Park, City of Woodstock, and Lockheed Martin Corporation. For more information, visit [www.ccmwa.org](http://www.ccmwa.org).

## What does the Wyckoff Plant do?

The Wyckoff Plant processes "raw" or unfiltered water from Lake Allatoona and treats it to provide "finished," or clean and safe, drinking water and fire protection on a wholesale basis for the CCMWA service area, which includes several counties and cities in northwest Georgia. A team of 35 water treatment professionals runs the award winning facility to ensure that the highest standards are met. In fact, nearly a third of the staff has achieved the highest level of certification possible for treatment plant operators licensed by the state.

### Wyckoff in Brief

**Built 1965**

**Location: Mars Hill Road,  
Acworth**

**Last Major Upgrade in 1987**

**Permitted treatment capacity of  
72 million gallons per day (mgd)**

## Why does the plant need to be rehabilitated?

The plant is nearly 50 years old. Even though it has been expanded and enhanced in the past, the last significant upgrade was in 1987. New regulatory limits from the U.S. Environmental Protection Agency (EPA) are set to go into effect in 2012. To address these new regulations, CCMWA is adding a new treatment process. CCMWA also saw this as an opportunity to improve the facility's overall reliability and create redundancies in the processes which will help ensure the region's future water supply. The R & O Improvements is an \$80 million investment and represents CCMWA's largest infrastructure project to date.

## What is involved in rehabilitating the facility?

Older processes will be demolished to make way for newer structures that will modernize the facility. Among these are new treatment basins, a new chemical building, and a new granular activated carbon (GAC) facility. GAC will be used in an additional treatment step and is highly effective at removing organics from the water during the treatment process, which will help the facility meet the stricter regulatory requirements in 2012.



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## How long will the project last?

The R & O project is scheduled to last three years; Archer Western was awarded the contract in July 2010. Pre-construction activities, such as erosion control measures, land clearing and tree removal will get underway in early-mid October 2010. Some structures will also be torn down during this time. Construction activity on the new components is expected to get underway in early 2011.



## What are the benefits of completing this project?

Modernizing the facility with more current technological processes will allow plant staff to regularly take processes offline for maintenance without decreasing treatment capacity. This means the plant will operate more efficiently. The improvements will also ensure that the water treated at the plant meets the new federal regulations, which benefits the residents and businesses in CCMWA's service area that indirectly get their water from the Authority.

***The Cobb County-Marietta Water Authority endeavors to minimize the disruption and inconvenience this project may cause you as it moves forward to fulfill its mission: To provide reliable, high quality and affordable wholesale drinking water to our region.***

## Is this an expansion of the plant?

No. Once the project is complete, the plant will still have a permitted treatment capacity of 72 million gallons per day (mgd). However, the processes used to provide safe, clean drinking water will be more efficient and technologically current and will position the facility to be in line with the new regulatory changes that take effect in 2012. It is important to note, that Wyckoff will be one of the few plants of its size in the country that uses granular activated carbon.

## What changes will I notice in the area?

Since all the work will occur on the Wyckoff Plant site, the view around the facility will not change. The most direct effect to residents and business in the area will be an increase in traffic from workers coming to and from the site; additionally there will be more heavy truck traffic to and from the site as land clearing and building debris is removed and construction materials and equipment are brought on to the site. Work hours are 7:00 a.m. to 5:00 p.m. during the week. Because of these changes to the traffic flow in the area, CCMWA and our contractors are coordinating with local public safety and school transportation officials to minimize disruptions to their operations. Depending on the phase of construction, nearby residents and businesses will hear varying levels of construction noise coming from the work site, e.g. tree removal, heavy equipment.



***For more information, please contact us at the Wyckoff Plant at 770-514-5350 or visit [www.ccmwa.org](http://www.ccmwa.org). You can also sign up for periodic project updates – please email Peggy Thrasher ([pcraig@ccmwa.org](mailto:pcraig@ccmwa.org)) or Beth Page ([bpage@ccmwa.org](mailto:bpage@ccmwa.org)).***