

ROCK CREEK | WATER RESOURCE RECOVERY FACILITY



AERIAL VIEW OF ROCK CREEK WATER RESOURCE RECOVERY FACILITY IN HILLSBORO, OREGON.

The Rock Creek Water Resource Recovery Facility is an award-winning, state-of-the-art facility serving Washington County residents in Hillsboro, portions of Beaverton, Aloha, and unincorporated Washington County. The Rock Creek, Hillsboro and Forest Grove facilities are connected by pipeline. Flow from Forest Grove and Hillsboro is sent to and treated at Rock Creek during drier summer months.

The facility, located in Hillsboro near Hillsboro High School, cleans 37 million gallons of wastewater on an average day to among the highest safety and quality standards in the nation. The cleaned water is returned to the Tualatin River and is so clean it actually improves water quality. Cleaned wastewater is also used for local irrigation, and natural by-products of the

treatment process are converted to electricity, commercial grade fertilizer and used as soil amendments throughout the state.

The treatment process at Rock Creek starts with nutrient removal through biological and chemical processes, followed by disinfection, filtration, and dechlorination before cleaned water is released into the Tualatin River.

Rock Creek began operations in 1978 to reverse decades of severe water pollution in the Tualatin River and its tributaries, and to meet the demands of a growing population. The facility centralized a scattered system of six inefficient wastewater treatment plants, creating one of the most efficient and advanced facilities in the world.

ROCK CREEK FACTS

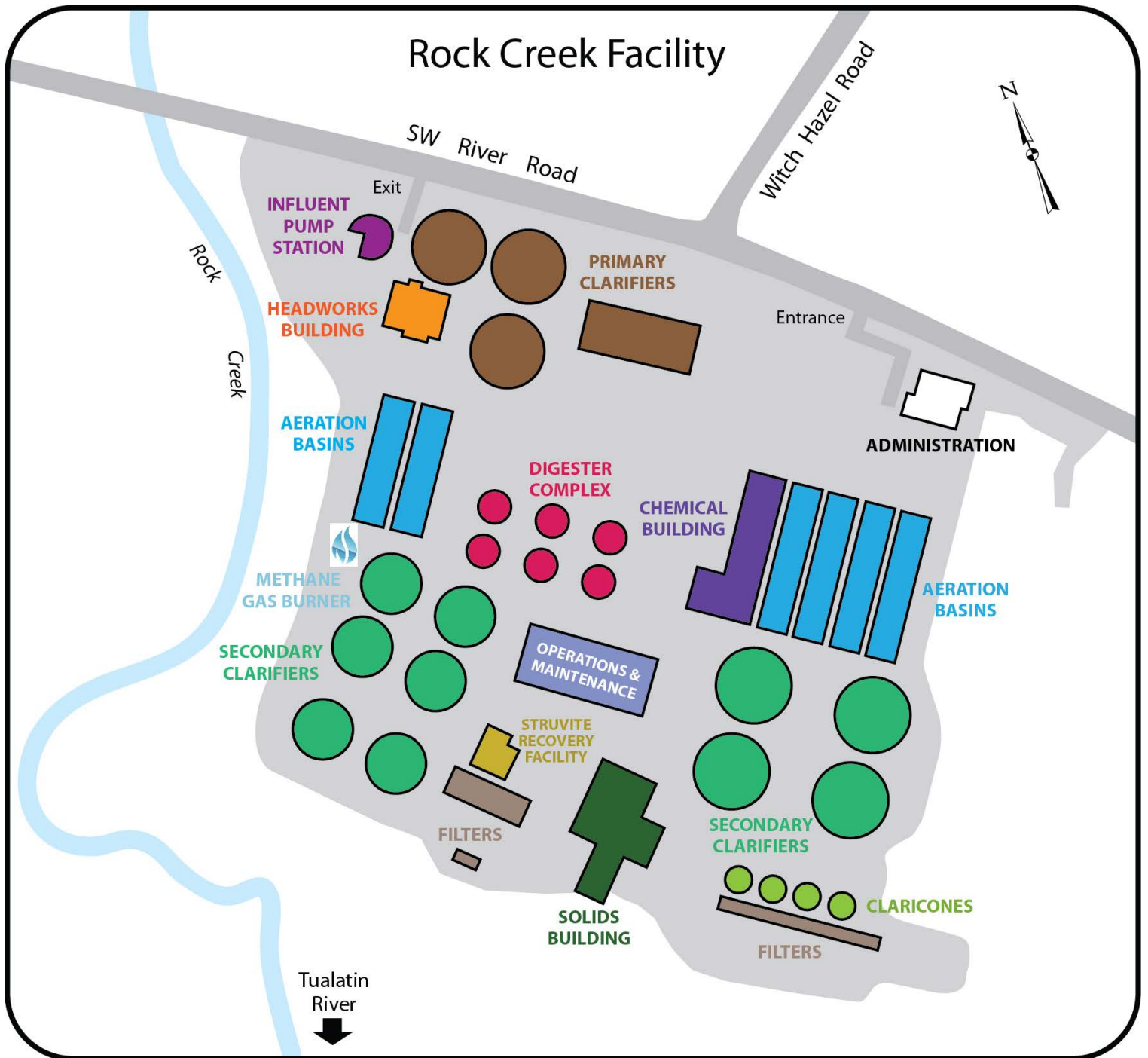
- Facility began operations in 1978
- Rock Creek replaced six smaller, inefficient facilities
- Provides state-of-the-art wastewater treatment (near drinking water quality)
- Provides a higher level of treatment than 98 percent of facilities in the nation
- Meets over 1,000 permit conditions including monthly, weekly, and daily limits established to protect the Tualatin River
- Operates 24-hours, 365 days a year
- Serves a growing residential population of 300,000 and significant flow from high tech industry
- Cleans an average of 37 million gallons of wastewater per day
- Recycles 20 dry tons of biosolids daily for use as a soil amendment
- Generates more than 6.5 million kilowatt-hours of power per year by reuse of methane gas, a treatment by-product (enough for 520 homes per year)
- 30 percent of facility electric needs are met through methane reuse
- Operates one of the world's largest municipal wastewater nutrient recovery facilities
- Investment in upgrades and expansion since 1978 exceed \$250 million

Award-winning facility

- 2006 - U.S. EPA National Clean Water Act Recognition Award for the best operated and maintained large, advanced treatment facility in the nation
- National Association of Clean Water Agencies (NACWA) Gold/Platinum Award for 100% permit compliance for the past 15 years in a row.

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Rock Creek Facility



CleanWater  Services

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