

# Wastewater Treatment Facility Installs Ceram Core® Pipe

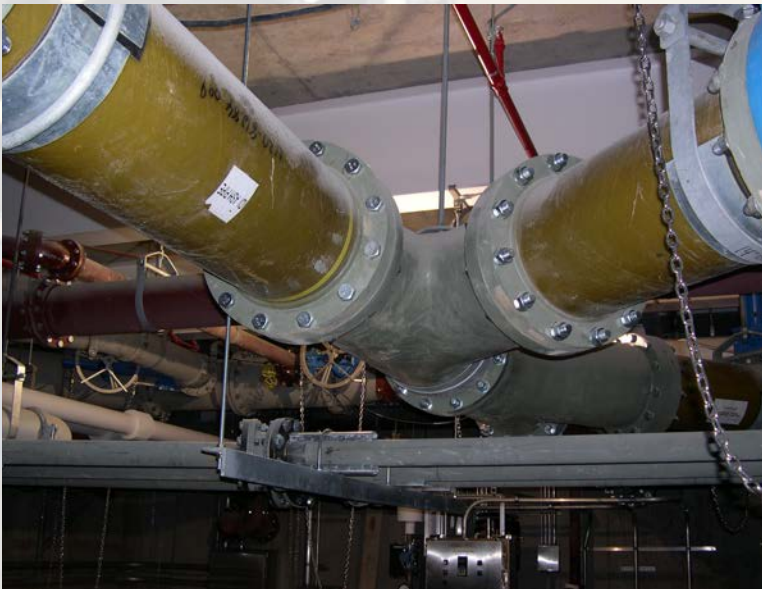
One of the largest wastewater treatment facilities in the U.S. is located in the Cleveland, Ohio area on a 273 acre site. This facility serves a population of over 600,000 people. The facility has an average flow of 125 million gallons per day (MGD) of waste water with the capacity to provide waste treatment up to 400 MGD, if required.

Ceram Core piping in 14" and 16" diameters was selected for a new ash incinerator project due to the superior abrasion and corrosion resistance, light weight of the piping, and the ease of installing pre-fabricated flanged spools.

NOV Fiber Glass Systems' engineering and technical support, along with the proven track record of Ceram Core pipe at power plants around the country handling bottom ash slurry, made this the product of choice for the installation.

As the sludge is burned, the ash goes through a cleaning process with scrubbers then is drained to a sump. The piping takes the ash slurry from inside the incinerator building to piping located outside the building, feeding a lagoon or settling pond.

NOV Fiber Glass Systems manufactured special 14" Ceram Core flanged transition fittings that connect to 18" flanged piping for this project. These transition fittings were critical so proper alignment could be achieved during the flange bolt-up connections.



## Project

Municipal Wastewater Treatment

## Client

Ohio Water Treatment Facility

## Pipe system

Ceram Core Pipe and Fittings in 14" and 16" diameters

## Operating conditions

Design Application: Sludge/Ash Slurry Piping  
Design Pressure: 75 psi  
Percent Solids: 1% to 2%  
Design Temperature: 150°F (25°C)

## Installation date

February 2012

