



## Project Description

Most waste treatment facilities have continued to expand as the volume of waste to them increases. There are many new technologies available today to help municipalities develop the best plan for effective treatment. At this particular facility, one of the methods of treatment is to incinerate a portion of the wastes. Incineration of wastes helps to reduce the overall volume of dry sludge and leaves a non volatile sterile residue. Upgrades to these systems are necessary to comply with air pollution control and to maintain efficiency in the process. The facility has a multiple hearth furnace incinerator designed for treatment of biosolids (dewatered sewage sludge). Waco has performed work on numerous incinerators and has an excellent track record and understanding of this technology.



The work involved on this project included the following:

- Demolition of existing equipment - primarily a Multi Venturi Scrubber and Quench system; including valves, piping and electrical control panels.
- Installation of a new Multi - Venturi Scrubber.

Additionally Waco would furnish and install:

- The scrubber drain pumping system
- Non-potable water automatic self cleaning strainer system
- The structural support steel and access platforms for the new equipment
- Piping, valves, fittings, etc.
- The electrical distribution and control systems

The project was scheduled for completion over a 231 day period. However, only a two- week continuous shutdown of the incinerator would be allowed to install the scrubber and make all tie-ins and connections. This would require prefabricating most of the piping and structural steel. Precise coordination between the suppliers, subcontractors, crane and rigging crews would be of critical importance. Jon Coon, one of Waco's experienced Project Managers, would be tasked with overseeing all these activities and bringing this project to a successful conclusion.

### Project Facts:

Jon Coon – Project Manager

Demolition of existing equipment

Installation of new Multi-Venturi Scrubber

- Scrubber drain pumping system
- Non-potable water automatic self cleaning strainer system
- Structural support steel & access platforms
- Piping, valves, fittings, etc.
- Electrical distribution & control systems

Scheduled Completion: 231 day period with only a 2 week continuous shutdown window

### Corporate Office:

5450 Lewis Road  
Sandston, VA 23150  
(804) 222-8440

### Other Locations:

38592 Brett Way, Suite 7  
Mechanicsville, MD 20659  
Phone: (301) 290-1333  
Toll Free: (888) 742-7219

1326 Cavalier Blvd.  
Chesapeake, VA 23323  
Phone: (757) 558-3100

11839-A Canon Blvd.  
Newport News, VA 23606  
Phone: (757) 873-2205

844 Cottontail Trail  
Mt. Crawford, VA 22841  
Phone: (540) 434-7390

1520 West Main Street  
Radford, Virginia 24141  
Phone: (540) 633-6311

208 East Seaboard Street  
Bladenboro, NC 28320  
Phone: (910) 648-5468

710 West Locust Street  
Covington, VA 24426

