

# Poquonock

PPG's Hydrogen Sulfide (H<sub>2</sub>S) Gas System protects Poquonock Water Pollution Control Facility.

## Case study



### The Customer

Hartford Metropolitan District Commission

### The Location

Windsor, CT

### The Challenge

At the Poquonock Water Pollution Control Facility a few thousand square feet underground, there were bare concrete influent channels that were very rough and had been exposed to Hydrogen Sulfide (H<sub>2</sub>S) gas for some time.

### The Solution

Because of the gas exposure, it was decided that a high quality, heavy-duty industrial coatings system was needed to protect the concrete structures moving forward. Two PPG field technical experts, both local to Connecticut, aided in the project and suggested the PPG (H<sub>2</sub>S) Gas system. This system used Amerlock® Sealer, Amercoat® 100A and Novaguard® 840. This was the first time that a major waste water treatment plant in New England would be using the PPG Hydrogen sulfide (H<sub>2</sub>S) gas system.

### The Benefits

Amercoat 100A® is very suitable for heavy H<sub>2</sub>S wastewater environments and eliminates troweling which reduces labor costs. Novaguard® 840 has good chemical resistance against a wide range of chemicals, can be applied by heavy-duty, single-feed, airless spray equipment and has a reduced explosion risk and fire hazard. Amerlock® Sealer's wicking action penetrates rusted steel and concrete surfaces.

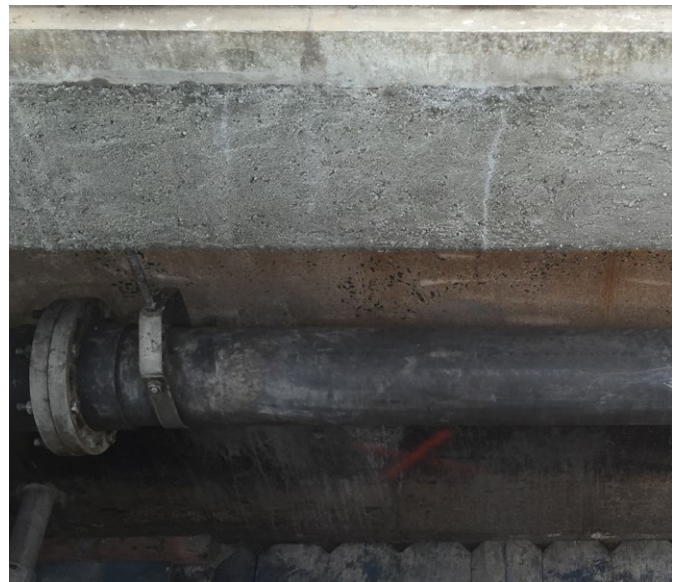
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### The Result

The customer was pleased that this job was completed within a week because they were able to get the channels back in service in a reasonable amount of time. Furthermore, they feel comfortable that this system will be resistant to (H<sub>2</sub>S) gas. From the applicators standpoint, they found the Amercoat® 100A very user-friendly through trowel. The Novaguard® 840 was also easy to spray, despite the confined space of the influent channel.



Before

