



VpCI® ADDITIVES FOR WATER TREATMENT

# CASE HISTORY SPOTLIGHT #103: Fighting Electronics Corrosion at Wastewater Treatment Plant



High humidity and hydrogen sulfide in deep tunnel pumping stations were causing corrosion that led to electronics and electrical failures, excessive downtime, and extra costs. The water reclamation district addressed the problem with Cortec® VpCI® Emitters, [Corrosorber®](#), and [ElectriCorr™ VpCI®-248](#). [VpCI®-105](#), VpCI®-110, and [VpCI®-111](#) were placed in electrical enclosures based on size, and the doors were closed to trap protective Vapor phase Corrosion Inhibitors inside. Open-air components were sprayed with [ElectriCorr™ VpCI®-248](#) to clean electronics/electricals and leave behind a long-lasting protective layer. Over the next decade, the district continued to use the corrosion protection products and saw a significant drop in electrical/electronic failures in this corrosive environment.

To read the full case history, please visit:

[https://www.corteccasehistories.com/?s2member\\_file\\_download=access-s2member-level1/ch103.pdf](https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch103.pdf)

**Keywords:** Case History Spotlight, electronics corrosion, corrosion at wastewater treatment plant, corrosion in deep tunnel pumping stations, electrical failures from corrosion, corrosion inhibitors, corrosion protection, Cortec, VpCI, downtime from corrosion

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