CASE HISTORY

World's largest waste water plant takes advantage of Cortec's VpCI® Technology

DATE
May 2003

CUSTOMER
Major Metropolitan
Water Reclamation District

CORTEC REP.
Frank Berger Inc.

PRODUCT
VpCI®-105, 110, 111, ElectriCorr VpCI®-248 and Corrosorber™

PROBLEM
The Water Reclamation district had been experiencing failures with electronic components in deep tunnel pumping stations with high humidity and hydrogen sulfide present. The failures were causing excessive down time and added cost.

SOLUTION AND APPLICATION
The electrical and electronic corrosion problems the Water Reclamation District was experiencing were solved with the use of Cortec VpCI®-105, 110, 111, 248 and Corrosorbers. Depending on the size of the electrical enclosure the appropriate emitter was installed. Once installed and the door closed on the electronics box, the Vapor phase corrosion inhibitor emitted molecules ionically attracted to metal until an equilibrium was reached in the enclosure protecting it from corrosion.
ElectriCorr VpCI®-248 spray was applied on open air electrical components cleaning the electronics and leaving behind a long lasting corrosion protective layer.

CONCLUSION
The Water Reclamation District an part of a preventative maintenance program used the Cortec VpCI® emitters and spray corrosion solutions for the past ten years. During the application period there has been a significant decrease in electrical/electronic failures even in the harsh corrosive atmosphere.

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