

Challenge

Issue

Severe external corrosion was causing client to consider complete pipe replacement for primary influent lines.

Goals

- Provide long-term protection
- Negate need to replace pipe

Root Cause

Condensation from cool water inside pipes and hot ambient atmosphere in plant resulted in exfoliation corrosion on exterior of pipes.



Corroded pipes

Solution

Preparation

- Wire brush clean surfaces to Sa 2.5 expose pre-existing profile

Application

1. Immediately following preparation apply **ARC 797** before condensation caused flash rusting
2. At tack free cure stage, apply 2 coats of **ARC S2** were applied following overcoat window



Coated pipes

Results

Client Reported

- Due to the success of this application replacement of these pipes (which are responsible for 500 MGD of flow) has been avoided
- Replacement would have jeopardized wastewater flow for as much as three weeks



Coated pipes