

CASE STUDY

Solving Complex Water Quality Issues at the Indiana State Museum & IMAX Theatre

Problem Identified

The Indiana State Museum & IMAX Theatre was faced with the following water quality challenges across their closed loop and domestic water systems:

- Corrosion in a 9,000 gallon closed loop hot water system
- Black, dirty water caused by elevated dissolved oxygen levels of 4 ppm
- Scale build-up in domestic water heaters, ice machines, and kitchen steamers

The corrosion in the closed loop system was accelerating equipment wear, and the scale formation in domestic equipment increased maintenance and operational concerns.

Solution & Results

To address both corrosion and scale build-up without increasing chemical usage, the State of Indiana implemented multiple **EasyWater treatment systems**, including:

- [Series C Closed Loop Treatment System](#) for the 9,000 gallon closed loop hot water system
- [No-Salt Conditioners](#) for domestic water
- [SimplySoft](#) water softener for their dish machine
- RevitaLife Pro Reverse Osmosis System for their kitchen steamer and ice machine

Within one month, Indiana State Museum achieved:

- ✓ Dissolved oxygen levels dropped from 4 ppm to < 1 ppm
- ✓ Closed loop water clarity significantly improved
- ✓ Corrosion activity was stabilized



6 MONTHS
LATER:
Closed Loop
Dissolved
Oxygen Test

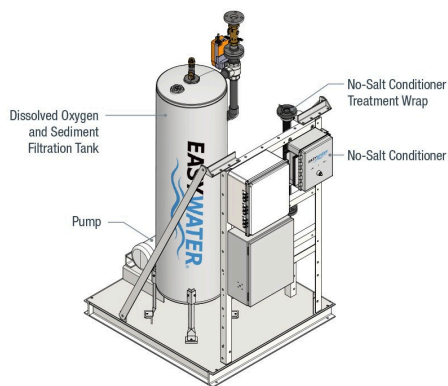


EasyWater No-Salt Conditioner

SCALE BUILD-UP LEADS TO:

- Continued repairs or replacement
- Increased energy costs
- Reduced water flow
- Equipment downtime

[EasyWater No-Salt Conditioner](#) is a maintenance-free solution to prevent scale build-up from forming and reduce existing scale build-up without the need for salt or chemicals.



EasyWater Series C Closed Loop Treatment

THE 3 MAJOR PROBLEMS IN CLOSED LOOPS:

1. Corrosion caused by dissolved oxygen
2. Sediment and sub-micron metal particles in the water
3. Insulating high iron content, limescale, and biofilm deposits

[EasyWater Series C Closed Loop Treatment System](#) provides a cost effective, low-maintenance, non-chemical treatment for controlling corrosion and scaling.

PROGRESS SINCE TREATMENT



Stabilized Performance



Protection of Assets



Reduced Scale & Corrosion Risk



Improved System Reliability

*Full Article From EasyWater –
A Watts Brand*



*Full Article From EasyWater –
A Watts Brand*

Want to improve your system performance while reducing chemical risk and lifecycle cost?

Water Solutions Group offers engineer-led support and EasyWater equipment to help you take control of your systems.



Chip Bidigare

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