

## Challenge

- Three recycled ash water pumps handling slurry were housed outdoors and subject to freezing temperatures
- When flush water froze, packing failed
- Slurry contamination caused packing seal issues

### Goal

- Eliminate freezing to extend packing life
- Reduce contamination inside packing
- Increase pump reliability

## Solution

- Switched from flushing with water to a controlled grease system of **Chesterton 633 SXCM**, a water-resistant synthetic grease that does not freeze
- Injected grease using **Chesterton's Lubri-Cup® EM** Automatic Lubricator for easy maintenance
- Installed **SpiralTrac™** technology to keep solids from entering the stuffing box
- Switched to **Chesterton 370 Packing**, a high-grade, low-friction carbon yarn

## Results

- Dramatically increased sealing reliability
- Stopped freezing issue and subsequent packing failures
- Eliminated downtime and labor costs associated with packing failures
- Significantly lowered annual maintenance costs with automatic lubricator

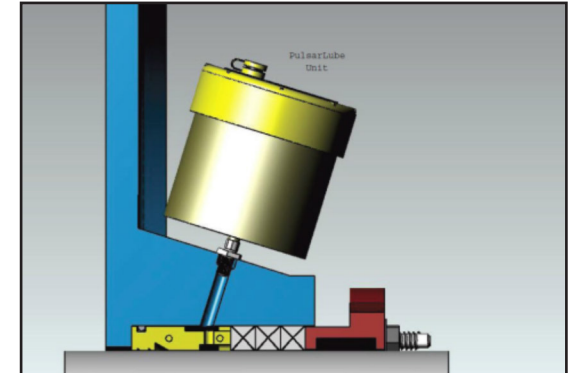
All three pumps were converted to this solution.



Greased SpiralTrac and packing on recycled ash water pump.



SpiralTrac greased-packing environmental bushing.



Packing SpiralTrac Device, and Lubri-Cup EM.

SpiralTrac™ is a trademark of EnviroSeal Engineering Products Limited.

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only.

A.W. Chesterton Company disclaims all warranties expressed or implied, including warranties of merchantability and fitness for a particular purpose. Liability, if any, is limited to product replacement only. Any images contained herein are for general illustrative or aesthetic purposes only and are not intended to convey any instructional, safety, handling or usage information or advice respecting any product or equipment. Please refer to relevant Safety Data Sheets, Product Data Sheets, and/or Product Labels for safe use, storage, handling, and disposal of products, or consult with your local Chesterton sales representative.

A.W. Chesterton Company  
860 Salem Street, Groveland, MA 01834 USA

© A.W. Chesterton Company, 2015. All rights reserved.

® Registered trademark owned and licensed by A.W. Chesterton Company

in USA and other countries, unless otherwise noted. WWW.CHESTERTONSTATIONARY.COM