

Water Lance System

Ensures longer life and increased performance



Challenge

Over time, corrosion products from secondary water flowing through recirculating steam generators are deposited as sludge. If not removed regularly, the deposits buildup and can result in the degradation of steam generator efficiency. Longevity and integrity of the tubing is also compromised. The result is unplanned outages and overall cost-efficiency compromises for the plant.

Solution

Integrated and Tailored Services

The first to implement high-pressure (3,000 psi) and high flow rate (85-90 gpm) for sludge removal, Framatome's patented static water lance system is delivered down the no-tube lane with a 90-degree sweeping action. This high-pressure system for square or triangular pitch steam generators enables fixed water jets to maintain tight water columns that penetrate completely through the SG tube bundle. This process transfers all of the energy to locations containing the most sludge and effectively removes hard collars. Framatome has removed nearly fifteen tons of hard collar material in the history of using this lancing process. Additionally, visual inspections can be performed without dismounting the lancing equipment.

We continually invest to advance our technology and fine-tune our water lance process parameters. Our most current technology includes high-pressure/high-flow patented nozzles, an improved suction foot, enhanced camera view, lockable FME and dose reduction covers and a new center lance.

**Your performance
is our everyday commitment**

Customer benefits

- Proven, low-cost, mechanical process for hard collar removal without chemical cleaning
- Cleans shadow regions between tubes (sometimes unreachable using static lancing)
- Immediate visual inspection of progress via integrated camera attachment
- Experience and resources minimize schedule, personnel, dose and cost

Contact:

examination@framatome.com

www.framatome.com

The data and information contained herein are provided solely for illustration and informational purposes and create no legal obligations by Framatome Inc. None of the information or data is intended by Framatome Inc. to be a representation or a warranty of any kind, expressed or implied, and Framatome Inc. assumes no liability for the use of or reliance on any information or data disclosed in this document. ©2019 Framatome Inc. All rights reserved. PS_US_692_ENG_03-19