

### Case Study: Through-the-Tube Plugging Technique

## EST Group Provides Solution to Limerick Nuclear Generating Station's Steam Jet Air Ejector

### Industry/Facility

Constellation - Limerick Nuclear Generating Station

### Application

Through-the-Tube (TTT) Plugging - Steam Jet Air Ejector

### Location

Pottstown, PA, USA

### Challenge

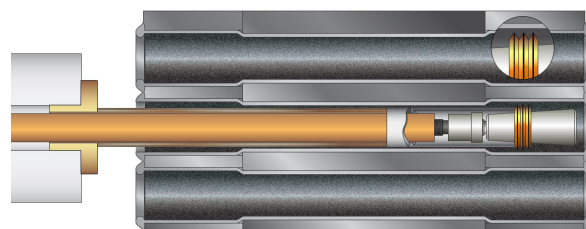
Plug the far end of three tubes of a Steam Jet Air Ejector (SJAE) with access to only one end of the heat exchanger. The unit was located in a high radiation zone requiring full dress out. Removing the channel head off the far end of heat exchanger would require significant manpower and time resulting in extra radiation dose for personnel.

### Solution

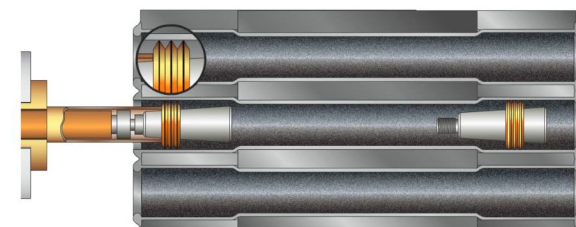
EST Group Field Service personnel were able to respond quickly to the request. They brought all of the TTT plugging equipment and plugs to site and were able to complete the plugging work in a four-hour time period.

### Benefits/Outcome

Multiple benefits were checked including: time savings for the plant, reduced manpower needed for removing and reinstalling far end channel head, and reduced radiation dose for personnel. Plant was able to get the SJAE closed up earlier without delaying their outage schedule.



Far End Installation



Near End Installation

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