

Pop-A-Plug® Condenser Plug Change-Out

Laramie River Station Saves Significant Time and Money

Industry/Facility

Power Generation/Coal
Basin Electric Power Cooperative
The Laramie River Station
Wheatland, Wyoming

Application

Unit 3 Surface Condenser
12 water boxes
Tube Material: Brass and 90/10 CuNi

Challenge/Problem

The Laramie River Station was having issues with tube leaks and leaking rubber style condenser plugs. This was creating water chemistry issues in their system and decreased efficiency. They were looking for a long term effective solution of their problem. They needed condenser plugs replaced in cost effective and timely manner.

Solution/Resolution

Following a client consultation, it was determined that the best solution for a permanent and successful fix would be installing EST Group's V-899-B brass CPI/Perma Plugs.

Benefits/Outcome

EST Group removed over 1100 rubber style plugs and replaced them with CPI/Perma Plugs in six shifts. All service was completed on-time, allowing the unit to return online in a timely manner. The Field Service Team also remapped and verified tubesheet maps, which provides an updated history of work, inventory, and other information relevant to the unit. Ultimately, EST Group was able to provide a cost effective solution that eliminated the leaking in the unit's condenser tube plugs.



EST Group Field Service Personnel: Dan Silkowski, Mike Fels, Justin Vandergrift

EST Group will be returning to Laramie for Plug Change-Outs in Spring 2012 for Unit 1 and Spring 2013 for Unit 2.

EST Group Field Services routinely perform Condenser Plug Change-Outs, providing permanent solutions for leaking condensers, quick and efficient work, and significant cost savings. Six months after EST Group performed a Condenser Plug Change-Out, a mid-western power generating station reported over a \$1,000,000 in cost savings.