American Polywater® Corporation

11222 60th Street North
P.O. Box 53
Stillwater, MN 55082 U.S.A.

Telephone: 1-651-430-2270
Fax: 1-651-430-3634

http://www.polywater.com (URL)
custserv@polywater.com (e-mail)

PowerPatch™ Current Transformer Repair PSE&G

Problem: PSE&G had a brand new Current Transformer cast aluminum tank leaking oil from its midsection at a substation. PSE&G's options were to either send the tank back to the manufacturer or to take the tank out of service and repair it themselves by welding.

Solution: PSE&G decided to try PowerPatch™ to repair the leak instead of taking the equipment out of service. The tank was prepared per PowerPatch™ instructions. The leak area on the tank was sanded to remove the paint around the leak. To remove the oil, the sanded area was then wiped clean with the Type TR™ cleaner provided in the complete PowerPatch™ kit (catalog #EP-KIT). A small piece of the putty stick was cut, mixed, and then applied to plug the hole. Pressure was applied to the putty until it cured approximately 6 minutes later. Pressure is needed in order to keep the oil from flowing out of the pin-hole leak. Next, parts A & B of PowerPatch™ were mixed together and then smoothed over the putty stick to make a long-term seal. Within 30 minutes the entire job was completed. To make the PowerPatch™ last longer in the field it is recommended that you paint over the patch to provide further UV protection.

Results: After PowerPatch™ was applied, the leak stopped. PowerPatch™ was approved immediately by PSE&G because of its ease of use and economic benefits. PowerPatch™ was applied in June of 2003 and is still holding today.