

452 ALMASOL[®] CHAIN & CABLE LUBRICANT KIRKPATRICK GROUP SYSTEM

PPL MONTANA, South Central Montana
Tram • SIC 4911 Electric Services

CUSTOMER TESTIMONIAL

CUSTOMER PROFILE

PPL Montana is a major supplier of electricity in Montana, as well as other western states. They own both hydro electric and coal powered stations. This particular report is from the Mystic Hydroelectric power station located in south Central Montana.

APPLICATION

Mystic dam operates a tram to get personnel to the actual dam area. The tram has 1 inch 6 right lay cable pulling the tram. The cable is completely exposed to the elements and needs periodic lubrication. In the past, the personnel stood by the tram housing and painted on an oil based lubricant to the cable. This was time consuming, messy and provided uneven lubrication.

AREA OF INTEREST

A better way to lubricate the cable was needed. When LE added the Kirkpatrick Group to their line of Reliability Partnered Products, a presentation was provided to the appropriate personnel. The system was met with wide approval and a purchase was made.

LE SOLUTION & CUSTOMER COST SAVINGS

The solution was the Kirkpatrick SU35B system (a complete set of pictures is shown of the system in use). Additionally, it was recommend that LE 452 ALMASOL[®] Chain & Cable Lubricant be used. As can be clearly seen in the picture sequence, the lube went on very evenly with almost no mess. Only three pails of 452 were needed to lubricate the 3000 feet of line. Additionally the entire process only took 1 hour and 30 minutes. PPL personnel were pleased with the efficiency of the process and the lack of housekeeping problems (mess).

With the success of the initial operation, the system will now move on to another of the companies hydroelectric facilities to lube gate cable.



Beartooth Mountains



Mystic River Valley



Tram Rail

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OTHER PRODUCTS USED

6451 MONOLEC® Turbine Oil is used in various governor and turbine applications.



Kirkpatrick Group Lubricator SU35B



Before



After



Before



After

Lubrication Engineers would like to thank the personnel at PPL Montana and LE Lubrication Consultant Jim Pezoldt for the information provided to prepare this report.



Jim Pezoldt