

Chief Joseph Powerhouse Sump and Pump & Controls

The purpose of this project is to provide reliable dewatering of the pumping station sumps located in the powerhouse, and replacement of motors, controls, and level indication located under the station service units at Chief Joseph Dam. This project includes phase 1a study analysis of the existing powerhouse sump pumps, motors and controls with various alternatives evaluated and a recommended alternative determined. The work includes design of new powerhouse sump pumps, pump controls, and associated piping, and the construction work required to procure and install the new powerhouse sump pumps, motors, controls and piping. The existing pumps are old and past their service life with spare parts that are difficult to obtain. The system needs to be upgraded to address oil detection in the sump and isolation to eliminate environmental concerns and meet current regulations regarding oil discharge.