

Chief Joseph Intake Gantry Crane

This project seeks to replace the intake gantry crane at Chief Joseph Dam.

The 50-Ton Intake Gantry Crane at Chief Joseph Dam, placed in service in 1953, has exceeded its 50-year design life. The most recent major rehabilitation was completed in 2000 nearly 20 years ago. The crane has a main 50-ton hoist; a 20 ton auxiliary hoist; and a hammerhead hoist with a 20-ton capacity. The crane's primary purpose is to isolate the generating units by placing and removing the stoplogs to or from the upstream intake along the powerhouse deck to allow, in conjunction with the tailrace crane, a generating unit to be completely unwatered for maintenance or emergency repairs. This crane is a required element without which the maintenance necessary for safe, reliable, and optimum energy generation from the 27 generators in the powerhouse cannot be conducted. The intake crane also is used to remove debris, and to remove barges from the fore bay for maintenance.