

PRIEST RAPIDS DAM COLUMBIA RIVER, WASHINGTON

PROJECT DATE
2000

SUBSTRATE
STEEL

CATEGORY
POWER



OWNER

Grant County PUD

PROJECT

Spill Gates

SURFACE PREPARATION: UPSTREAM GATES

SSPC SP-10 Near White

APPLICATION METHOD:
Metal Blast

PRIMER

MC-Zinc 3.0-5.0 mils DFT

MC-Tar 5.0-7.0 mils DFT

TOP-COAT

MC-Tar 5.0-7.0 mils DFT

SURFACE PREPARATION: DOWNSTREAM GATES

SSPC SP-10 Near White

APPLICATION METHOD:

Metal Blast

PRIMER

MC-Zinc 3.0-5.0 mils DFT

MC-Ferrox B 3.0-5.0 mils DFT

TOP-COAT

MC-Ferrox A 2.0-4.0 mils DFT

INTRODUCTION

The gates at a hydroelectric dam have an intense amount of corrosion potential. With moving water, humidity, moving parts and algae, this is no place for a weak coating system. To minimize shut down time, George Thompson at Grant County PUD went with Wasser High-Tech Coatings. With the addition of PurQuik Accelerator, the application process can be sped up, with recoat minimums as low as 30 minutes. That means a gate can be painted in a single day. At the Priest Rapids hydroelectric dam, with a rated capacity of 955,600 KW, it meant cost savings for the people of Grant County.

