



Priest Rapids Dam Columbia River, Washington

PROJECT DATE
2000

SUBSTRATE
Steel

OWNER

Grant County PUD

PROJECT

Spill gates

SYSTEM

Upstream Gates

Surface preparation

SSPC SP-10 Near White
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

Downstream Gates

Surface preparation

SSPC SP-10 Near White
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.

