

LARGE WATER RESERVOIR LINING & FLOATING COVER SYSTEM



PROJECT NAME:

Franzen Reservoir and Cover

PROJECT LOCATION:

Salem, Oregon

PROJECT APPLICATION:

Water Reservoir Lining and Floating Cover Project

MATERIALS USED:

Non-Woven Geotextile Fabric, Potable Grade Reinforced Polypropylene White 45 mil & Potable Grade Reinforced Polypropylene Tan 45 mil

PROJECT CHALLENGE:

- Large project with steep slopes and limited access. Lining crews needed to coordinate work patterns with earthworks contractor to allow access to work areas. Deploying flat rolled liner and cover panels was difficult due to limited side slope access along the perimeter. The project was located on the top of a hill with forest around the perimeter.

PROJECT SOLUTION:

- Project consisted of 2 large finished water storage reservoirs with base liners and defined sump floating covers. A total of 1.4 million square feet of lining material and 700,000 sf of Geotextile fabric were used to complete the job. We spent 2 hours in planning meetings weekly to coordinate activities and make sure we were on task for following the critical path schedule and would meet the timelines we agreed to in our contracts.



Liner installation – white section

LARGE WATER RESERVOIR LINING & FLOATING COVER SYSTEM



PROJECT IMAGES:



Flat rolled panels leaving Parker Fabrication Plant



Full pond with cover



Access stairs on cover – built from foam and wrapped in RPP cover material

