

Reduce Alkalinity of pH with Filtration for Bridge or Highway Repairs

Utilize Rain for Rent's expertise and project management to create a system to re-use water for hydroblasting

1. Supporting hydroblasting applications

Water- and equipment-intensive resources are normally required to remove highly alkaline runoff that is discharged from hydroblasting concrete down to the rebar level. Rain for Rent provides savings through an alternative to a traditionally high cost application.

2. Filtering through weirs and tanks

A series of weirs are designed to direct the runoff from hydroblasting to a weir tank for heavy solids settling.

3. Treating discharged water for re-use

Produced water is pulled in through pumps where the pH is monitored by an instrumentation mobile unit and injected with CO² gas as a solution to reduce the water alkalinity.

4. Polishing with advanced filtration

pH is dialed down to the 7-8 range through bag and cartridge filtration before routed to a frac tank for storage.

5. Eliminating daily vacuum truck trips

Instead of numerous tanks of contaminated water being carted away every day, all that is needed is a single vacuum truck coming in weekly to remove the collected sludge in the weir tanks.

6. Sourcing additional water supply

The system is also connected to a long pipe run and pumped from a hydrant to supply additional water as needed to keep the system full.



When a city public works project to remove cracks and potholes in bridges and roadways is challenged with limited access, Rain for Rent offers pioneering solutions to alleviate tight jobsite space and limited water resources.

Lock down the extra equipment including pumps you need onsite with a complete solution to eliminate downtime and delays.



Liquid Ingenuity®

rainforrent.com
800 742 7246



Instrumentation for Audio/Visual Alerts

Check out Rain for Rent's complete line of instrumentation products that dial in any project needing liquids management controlling various flows, levels, pH, turbidity and more at rainforrent.com/instrumentation.

Pumps



HH80c
 3" x 3" 76 x 76 mm
 450 GPM 28 l/sec
 360 FT HEAD 110 m



DV100e
 Size 4" x 4" 102 x 102 mm
 700 GPM 44 l/sec
 100 FT HEAD 30 m



DV150i
 Size 6" x 6" 152 x 152 mm
 2,750 GPM 173 l/sec
 195 FT HEAD 59 m



DV150cSA
 Size 6" x 6" 152 x 152 mm
 2,775 GPM 175 l/sec
 150 FT HEAD 46 m

VFDs



RiteFlo® VFD
 Available in
 50 HP - 500 HP

Filtration

Bag or Cartridge Filters 50 - 6,000 GPM



BF1000
 1,000 GPM 63 l/sec



BF4000
 4,000 GPM 252 l/sec



Media Filters
 70- 1,960 GPM

48-4
 1,000 GPM 63 l/sec

Tanks



Steel Flat Top Coated Tank
 21,000 Gallons



Weir Tank
 18,100 Gallons
 Over and Under Weirs

Box Filter



FILTER BOX
 25 Yard 19 m³

Safety Products & Jobsite Protection



Spillguards
 Portable spill containment systems improve environmental safety by capturing liquids, preventing accidental spills. Ideal under tanks, pumps, pipelines, and valves.



RampLox®
 Modular and durable temporary pipe and hose ramps for pedestrian or vehicle traffic. Protects pipe and hose up to 5" in diameter (up to 7" pipe and hose when Clearance Plate is used).
 U.S. Patent # D725,748

pH Monitoring



pH Mobile Monitoring Unit



PipeStax®
 Replace wood used for cribbing to provide stability and support to your pipe and hoses.



SolidGround® Traction Mats
 Provide a stable surface for increased traction on muddy or sandy soil and protect landscapes.