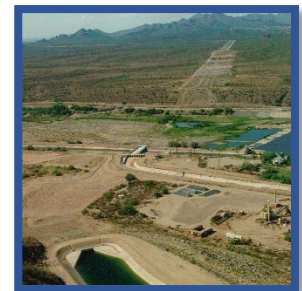




2019 Salt River Siphon Outage Coordination Meeting

Background on the Siphon:

- 8,000 foot long, 21 foot inside diameter
- Steel pipe, wall thickness varies from 5/8 to 1 ¼ inches
- Holds over 27 million gallons of water
- Installed in 1995 with Coal Tar Epoxy coating
- Sediment in the Water is Abrasive to the Coating, especially on the bottom of the pipe at each pipe joint
- Major Coating Repairs Conducted in 2001
 - Month long outage (November)
- 2009 Partial Inspection
 - Almost all bottom pipe joint areas have abraded coating
 - Some areas down to bare metal
 - Some located coating blisters



2019 Forecasted Project:

- Fall of 2019, anticipated 6 week project duration
- Full siphon dewatering
 - Utilize existing blow-off structure
 - 8 million gallons remain after blow-off
 - Extensive pumping
- Projecting significant fish removal efforts
 - In river channel, from blow-off
 - Within pipe
- Coating analysis and investigation throughout the pipe to define final project scope
- Anticipate coating application needed at each pipe joint
 - From 4 to 8 o'clock position on the pipe
 - Over 400 pipe joints
- Anticipate some areas of coating blistering and failure
- Return to service

