

# Tailings Operations

**Significant Risk** - Tailings Dam Slope Failure

**Potential Consequence** - Release of tailings into land or water of the US  
(San Francisco River)

## Controls We Use

### Documents we follow:

- Water Maintenance SOPs
- BMP 201 — Discharge of Dredge or Fill Material to Waters of the US
- BMP 203 — Tailing Stormwater Retention Dams
- BMP 206 — Seep Identification & Evaluation
- BMP 400 — Spill Notification
- BMP 900 — Management of Change Process
- Morenci Tailings Operation Manual
- Corporate Tailings Management Standard (templates & forms)
- Tailings Operations SOPs (Sharepoint)

### Engineering controls we use:

- Canary Automatic Piezometer Systems
- Groundwater monitoring
- Inclinometers installed and monitored
- InSAR slope monitoring & mapping
- Quarterly Bathymetric aerial surveys
- Daily Crest and beach inspections
- Cyclone underflow samples
- Morenci Tailings Stewardship Team

### Monitoring, Inspections and Maintenance we conduct:

- Daily Area Inspections
- Weekly, Quarterly GeoTechnical Inspections
- APP Daily, Monthly, or Quarterly Inspections
- Clean up of area through each month
- Work Order PMs
- Monthly KPIs

### Training we receive:

- Annual Enviro Training
- Permit requirements
- New hire and/or site specific training
- On-the-job Training