

Lahontan Water Board Goals

- Protect Human Health and Aquatic Life
- Protect/Improve Aquatic Resources & Surface Water Quality
- Support Disadvantaged Communities
- Respond to Climate Change

2017 KEY EFFORTS

Protect Human Health

Nitrate and Other Salts in groundwater

- Ensure compliance with Drinking Water Replacement Water Orders (dairies and Barstow wastewater treatment plant)
- Develop general order for dairies to reduce sources of nitrates and other salts
- Require groundwater remediation at LACSD No. 20 and Barstow sites
- Review and accept Ft. Irwin and Indian Wells Salt and Nutrient Management Plans
- Assist local government agencies to develop Local Area Management Plans for protection of water quality and permitting the installation of onsite wastewater systems
- Pursue other sources of nitrates and salts in Hinkley

Chromium in groundwater

- Oversee Pacific Gas and Electric Hinkley Compressor Station cleanup, and ensure background study completion
- Improve monitoring and remediation at Ducommon chemical manufacturing



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Perchlorate in ground waters

- Complete Feasibility Study for investigation and cleanup of Barstow perchlorate

Petroleum in groundwater

- Close cleanup sites that are a low-threat to public health and the environment
- Oversee investigation and cleanup at abandoned or orphan sites
- Require and oversee cleanup of groundwater at priority sites

Other pollution problems in groundwater

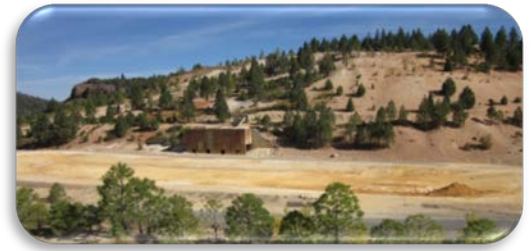
- Require groundwater investigation, cleanup, and replacement water at PCE impacted sites (South Lake Tahoe and Victorville)
- Identify priority groundwater pollution cases and require investigation, plume control, cleanup
- Apply appropriate remedies (active, monitored natural attenuation, or combination) – Implement Board's guidance when considering use of monitored natural attenuation
- Request state funds for investigation and cleanup at sites with no responsible party identified

Bacteria in surface waters

- Update Waiver for Bridgeport grazing activities and continue to require control measures
- Consider regulatory efforts to address sources of bacteria pollution in Bishop Creek watershed
- Work with partners in Carson River watershed to improve water quality
- Develop Federal lands order to control sources of bacteria in recreational waters

Acidic Drainage at Leviathan Mine

- Implement Emergency Spring Treatment to prevent discharge of untreated acid mine drainage.
- Implement Settlement Agreement – test interim combined treatment
- Provide input to United States Environmental Protection Agency (USEPA) on investigation and remedy alternatives



Mercury in surface waters

- Analyze fish tissue from several surface waters to provide data for fish consumption guidance
- Participate in statewide policy and program development for control of mercury in reservoirs

Protect Aquatic Life and Surface Water Quality

- Update Tahoe Municipal Storm Water Phase I Permit requiring the next five year set of fine sediment pollutant load reductions to restore Lake Tahoe's clarity
- Track implementation of Total Maximum Daily Load requirements for Lake Tahoe, Truckee, Squaw Creek, Indian Creek Reservoir, Heavenly Valley Creek, and Blackwood Creek
- Ensure compliance with stormwater permit requirements
- Develop and implement new partnership agreements for supplemental environmental projects
- Require avoidance and mitigation for construction projects to protect wetlands and riparian areas
- Encourage use of available, cost effective, rapid assessment methods and online mapping tool (ECOATLAS) to track projects
- Support watershed restoration efforts and projects, including Squaw Creek, West Fork Carson, and Upper Truckee River improvements

Environmental Justice

- Participate in Integrated Regional Water Management projects involving disadvantaged communities (e.g., identify how to meet drinking water and community sewer needs)
- Work with USEPA to ensure Leviathan Mine final remedy is protective of Washoe Tribe cultural resources and tribal community health
- Incorporate environmental justice when developing waste discharge requirements and permits
- Conduct education and outreach, host workshops on new permits, policies and programs
- Implement new subsistence fishing and tribal purposes beneficial use definitions

Climate Change

- Host workshops and develop Climate Change Mitigation and Adaptation Strategy with specific recommendations for Water Board actions
- Conduct nearshore monitoring and research in Lake Tahoe to assess whether water quality changes are related to climate change
- Encourage and permit recycled water projects
- Encourage Low Impact Development principles and techniques into projects through permits, regulations and guidance documents
- Require improved infrastructure resilience for sewer conveyance, pump stations, storm drainage
- Adapt regulatory requirements and decisions to better protect floodplains, wetlands, stream environments, and recharge zones/riparian/drainage areas

