



Update on Process and Activities

February 8, 2018
Water Quality Standards
Task Force Meeting

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Task Force Scope

Review the legal, operational and policy considerations related to the quality of Non-Project Water that is introduced into the CAP System, with the goal of developing recommended standards for approval by the Board and Reclamation



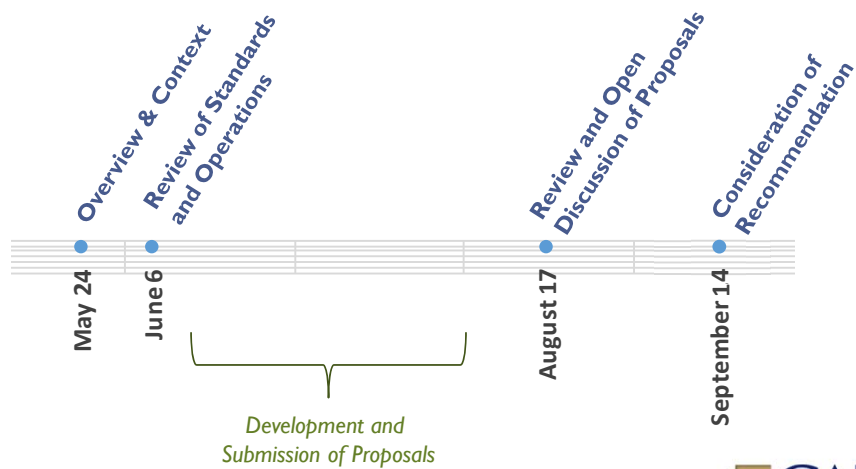
Task Force Meeting #1

May 24, 2017 – “Overview and Context”

- Purpose and Scope of Task Force
- Review of System Use Agreement
- Current Quality of CAP Water and CAP’s Monitoring Program
- Review of Proposal from 2014 Wheeling Stakeholder Process



Task Force Schedule



Task Force Meeting #2

June 6, 2017 – “Review of Standards and Operations”

- Bureau of Reclamation - Policies and Issues
- ADEQ - Water Quality Standards Under Safe Drinking Water Act and CWA
- Dr. Westerhoff, ASU School of Engineering - Overview of Water Treatment Options/Technologies
- City of Scottsdale - Harquahala Project



Task Force Meeting #2 contd.

- CAWCD - Direct Recovery from TDRP
- SRP – Water Quality Management in SRP System
- City of Phoenix – Water Treatment Issues
- City of Chandler – Water Treatment Issues
- Gila River Indian Community – Water Issues
- City of Tucson – Water Quality Issues



Task Force Meeting #3

September 12, 2017 – “Stakeholder Proposal”

- Proposal Participants: Cities of Tucson, Phoenix, Scottsdale, Chandler, Avondale, Gilbert, Tempe, Glendale, Mesa, Peoria, Oro Valley, and Goodyear, and AMWUA, Metro Water District, Gila River Indian Community and Salt River Project



Stakeholder Proposal

- Allows for wheeling non-Project Water
- Allows blending
- Maintains quality of water within Project water's historical ranges
- Avoids impacts to current treatment operations through establishment of “Operational Maximums”
 - In-canal water quality standards that must be met at turnouts. Values based on historical water quality ranges and downstream treatment capabilities
 - Established and maintained through a water quality model. Discharge limits may vary based on location of the discharge, loading from other discharges, discharge volumes and proximity to turnouts.



Stakeholder Proposal contd.

- Additional level of protection
 - Certain constituents not allowed at any level
 - Certain categories of water will not be allowed
- 9 Included 6 constituents as starting point: Nitrate, Fluoride, Total Organic Carbon, TDS, Turbidity and Arsenic.
- Future proposal to include EPA primary constituents, relevant secondary constituents, emerging contaminants, health advisory standards and surface water user standards.



Stakeholder Proposal contd.

- Not to exceed parameters for discharges into CAP system still under review
- Task Force asked Stakeholders to keep working on not to exceed standards
- Stakeholders prepared a refined proposal
- Impasse on not to exceed standards
- Multiple meetings among staff, BOR and stakeholder group since September



Current State

- Stakeholder concept establishes foundation for constructing a proposal for water quality standards.
- Points of Common Agreement
 - All parties recognize the benefits of firming and wheeling and desire practical/economic options
 - Existing water quality is good and stable.
 - Dilution is OK – how much, when and why remain issues
 - Program should be based on multiple levels of protection



Points of Agreement contd.

- Program should protect downstream users by establishing operational maximums, standards that must be met at turnouts
- Program should be tailored by constituent
- Program should be supported by/include modeling and monitoring
- Parties have reached an impasse on not to exceed standards
 - Water quality for users at Southern end of system
 - Public perception
 - Equity Issues – among users and through time





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