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Seal Rock Water District

General Manager's Report:
 Board Meeting December 8, 2022

This report is an executive summary provided with this Board agenda to Commissioners with recommended actions if any. Detailed information, staff reports, and supporting materials are provided within the full agenda packet.

PHASE-IV BEAVER CREEK SOURCE WATER PROJECT:

Jacobs engineers continue tracking final punch-list items necessary to certify substantial completion. Several punch-list items were completed in November. Engineers along with district staff continue to support R&G Excavation along with their subs to satisfy compliance with the contract regarding Operation and Maintenance Manuals necessary to certify substantial completion. Several O&M Manuals have been submitted and are in review by the engineer, however, some items are pending.

On Tuesday, November 1, 2022, the district began receiving water quality complaints from customers complaining that the water has chlorine and a salty taste. After evaluating/troubleshooting the conductivity probe it was discovered that the probe located at the Raw Water Intake Pump Station was not reading correctly, and was out of calibration. As a result, salinity entered the drinking water system requiring an isolated area of the distribution system to be thoroughly flushed to correct this issue. As a result, the following water quality monitoring conditions have been placed in service:

Preventive Measures:

1. District staff working with *HACH* technicians were successful at recalibrating the existing in-line conductivity probe at the Beaver Creel Raw Water Intake facility.
2. District WTP Operators working with engineers have completed the installation of two new conductivity probes at the Raw Water Intake Pump Station and the WTP on the finish water system.
3. Target conductivity limits have been reset to 250 uS/cm or Total Dissolved Solids (TDS) @ 160PPM. The system will automatically shut down the pump station and alarm the operator if limits are reached.
4. Using projections provided by the National Oceanic and Atmospheric Administration (NOAA) district staff has developed Standard Operating Procedures (SOPs) for monitoring annual tide conditions and accompanying sea swells with the expectation that the Raw Water Intake will be taken offline in advance of projected 9.5-FT tides.

Proposed measures along with standard operating procedures for monitoring raw water conditions affected by tides, sea swells, and precipitation will serve to eliminate salinity from entering the system in the future.

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Above: Finish Water Conductivity Probe with readout monitor at the Water Treatment Plant

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Above: Raw Water Intake Redundant Conductivity Probes and readout panels

Other notable activities for the month include:

- Attended meetings with engineers, contractors, and USDA to discuss substantial completion and schedule for work on the Beaver Creek Source Water Project.
- Participated in HB 5006 the State Supported Water Planning and Management meeting in Salem.
- Attended Mid Coast Water Conservation Consortium Meeting.
- Met with several property owners in the district to discuss water quality.
- Attended Legislative Concept conversation with State Representative Mark Owens and SDAO.
- Attended OWRD Place-Based Planning Quarterly Meeting.