



PALMDALE WATER DISTRICT
A CENTURY OF SERVICE

AGENDA ITEM NO. 9.2.a.1

Operations Department

Mynor V. Masaya
Operations Manager
Board Presentation
December 12, 2022



Staffing

- Six State Certified Treatment Plant Operators
Operations is 24/7 responsible for quantity and quality of water.
- Three State Certified Laboratory Technicians and
- 1- State Certified Lab Supervisor.
Lab Staff are responsible for sampling, analyzing and reporting to State Regulators.
- Operations Manager, State Reporting.



Operators Responsibilities

- Manage Lake levels and water flows from DWR, LRD & Avek.
- Operate Groundwater wells and LOCWTP to meet production targets and water demands via SCADA.
- Check all treatment processes, Once every shift.
- Log important daily information, daily reports.
- Daily checks Treatment Chemicals supplies.
- Check water treatment process at lab sink every 4 hours (State Mandated).
- Backwash filters and GAC Contactors as needed.
- Turbidimeters, pH, and chlorine analyzers weekly/ monthly verifications
- Follow PWD safety and standard operating procedures
- Lake Management, Algae control
- Identify deficiencies and needs of repairs.



Palmdale Water District Control Room



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Managing Flows



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Chemical Feed Systems & Facilities



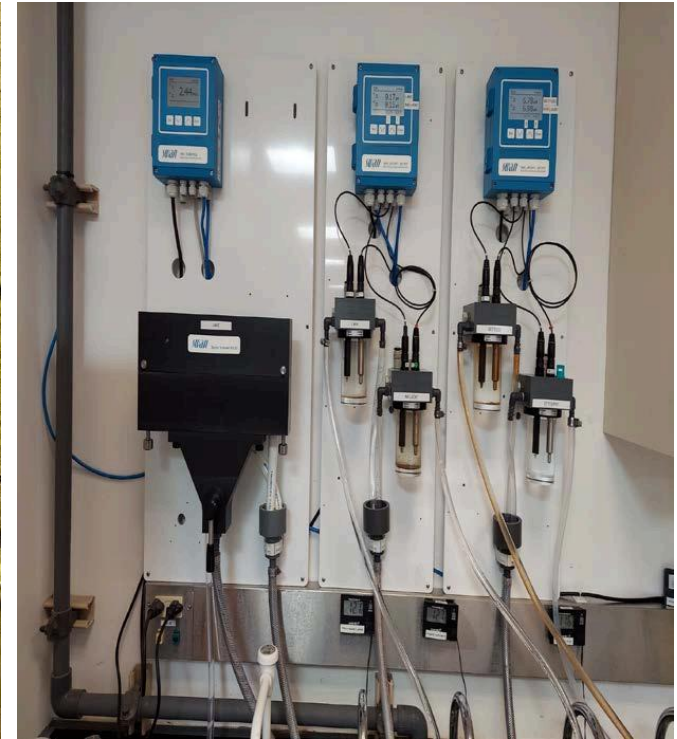
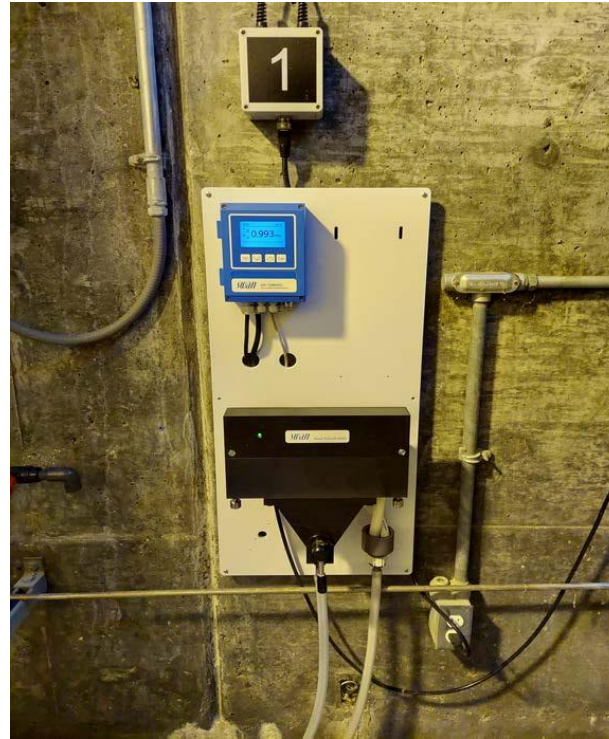
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Chemical Supplies



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Verification, Calibration



Algae Blooms



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Lab Staff Responsibilities

- Maintain inventory of laboratory supplies to perform necessary testing
- Perform and coordinate routine maintenance of laboratory equipment
- Follow safety and standard laboratory operating procedures, ELAP State certified
- Prepare and/or assist in preparation of required internal and external report regarding water quality
- Ensure reports are accurate and submitted in a timely manner
- Investigate customers water quality complaints and recommend corrective action
- Provide information to the public
- Participate in development of improved water treatment process
- Recommend changes in monitoring programs, treatment methods or process control
- Facilitate training district staff related to water quality
- Keep up-to-date on current and upcoming State water quality regulations
- Responsible for taking 3,000 required samples and over 1,800 for over 80 regulated contaminants per year.



Palmdale Water District Laboratory



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Performing Analysis



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Thank you!

