

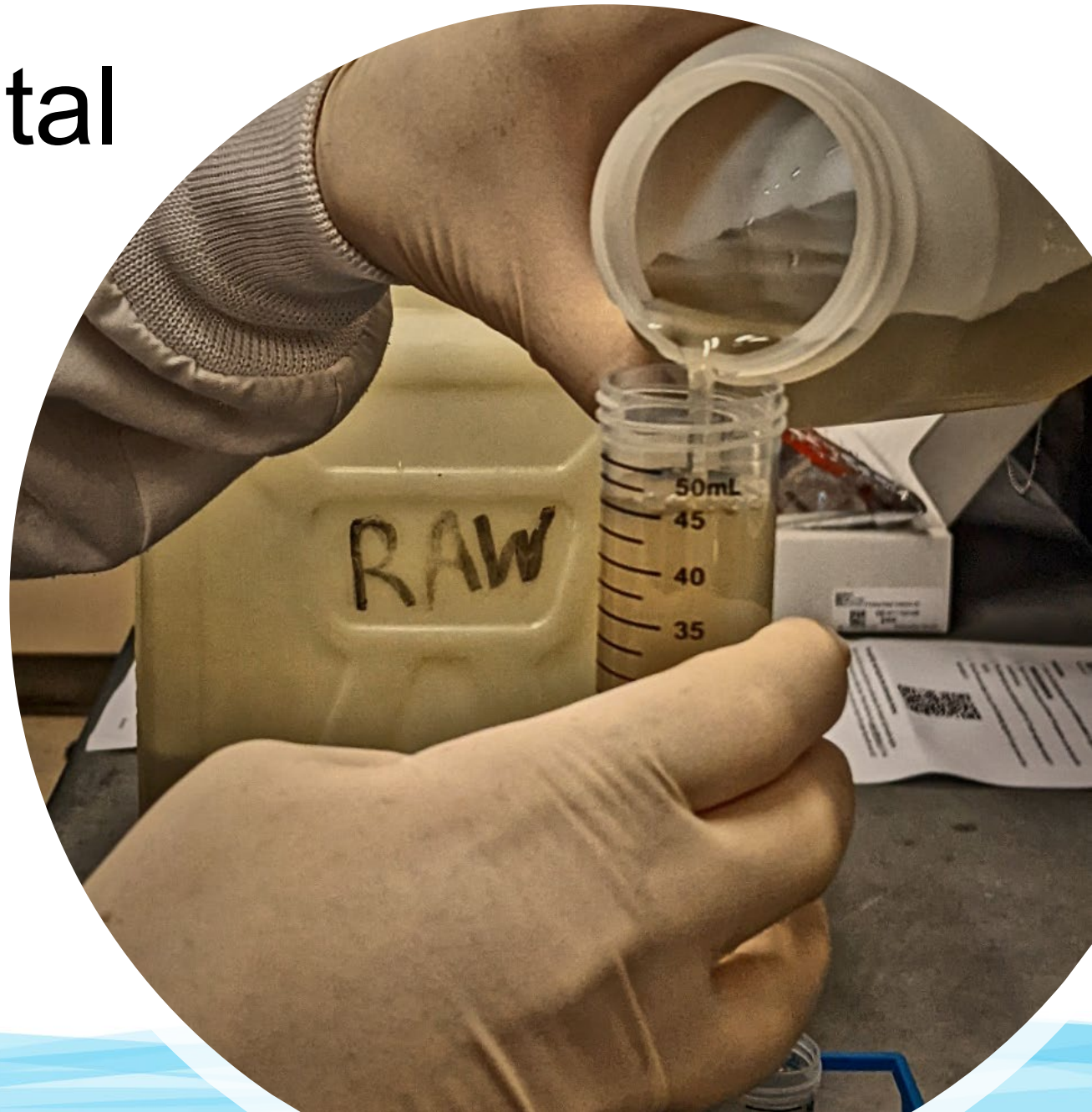
Laguna Environmental Laboratory TNI Update

November 2, 2023
Board of Public Utilities

Robert C. Wilson, Laboratory Supervisor



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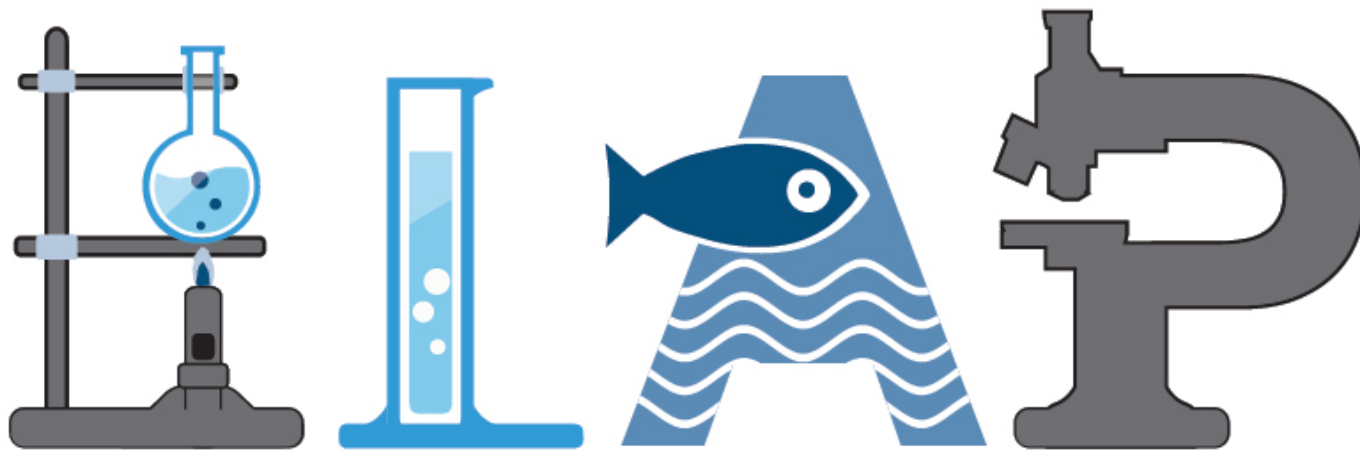




Laguna Environmental Laboratory (Laboratory)

- The Laboratory was established in 1968 with primary function of physical and chemical measurements of wastewater
- Expansion to add a broader scope of analytical testing in 2000
- Staffing includes sample receiving and preparation, laboratory analysts, information technology and management for a total of 15 people
- Staff processed 19,528 samples in FY 2022/2023

Maintaining TNI Accreditation



Environmental Laboratory Accreditation Program
STATE WATER RESOURCES CONTROL BOARD

- Environmental Laboratory Accreditation Program (ELAP)
 - Accreditation body for environmental laboratories in California
 - Adopted The NELAC Institute (TNI) standard with laboratories needing to adopt changes by January 2024
 - Updates to the City Program are focused to the Quality Assurance Program

The NELAC Institute (TNI)

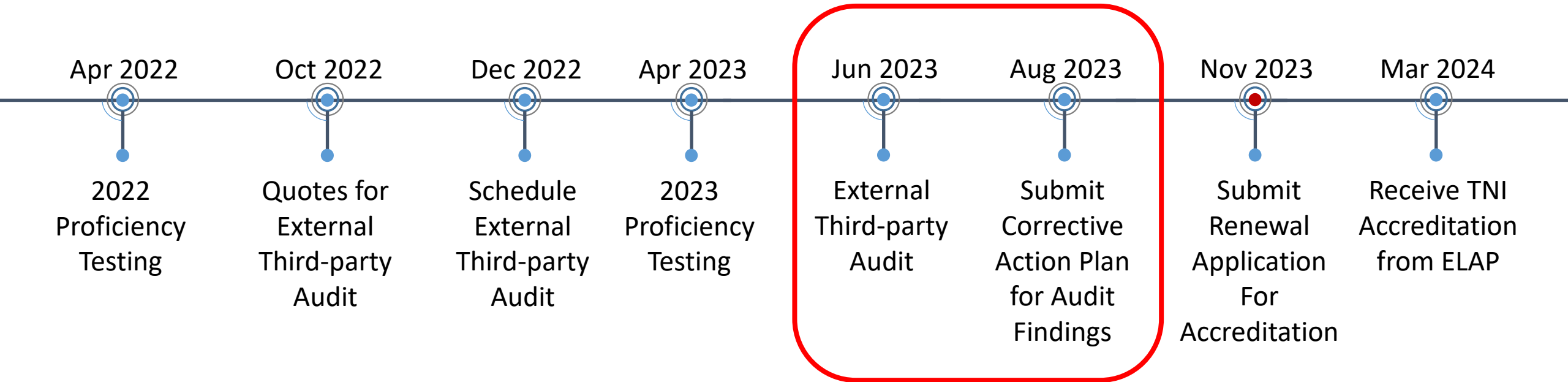
- NELAC is the National Environmental Laboratories Accreditation Conference.
- To comply with the new standard the LEL will need to make 855 changes to Quality Assurance Programs with few changes regarding how testing is performed at the bench.
- TNI is Based on the International Organization for Standardization (ISO) and uses format and language consistent with ISO.



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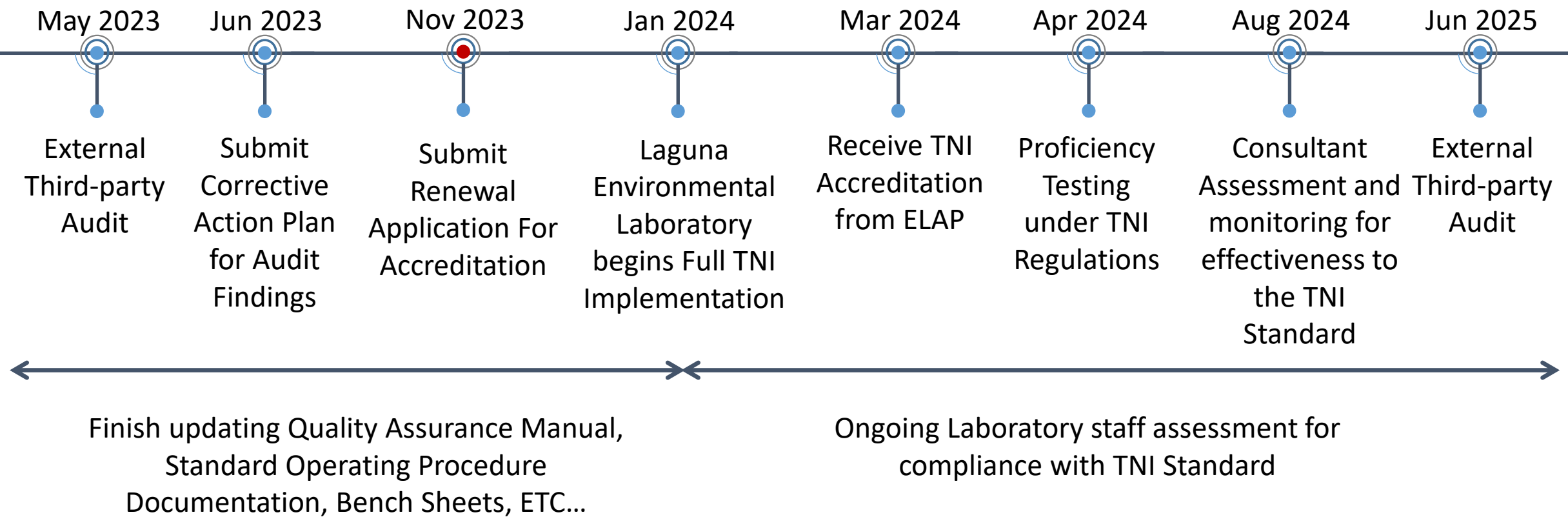
Timeline from 2022



Staff accomplished these earlier than projected



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TNI Compliance Timeline

- Quality Assurance Coordinator and the Laboratory Supervisor to maintain timeline
- Support from ChemVal Consulting

TNI Fiscal Impact

Ongoing Costs

- Additional Supervising Laboratory Analyst
(increase of \$200k per year)
- Reclassification of Department Application Specialist to Department Programmer Analyst
(increase of \$30k per year)
- Increasing ELAP Fees
(\$17k)
- Third Party Assessment
(\$5k)
- Total Ongoing (\$252k)

Fixed Costs

- ChemVal Consulting Services (\$77k)



Thank you



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