

Nitrification Phase 2: Construction Update

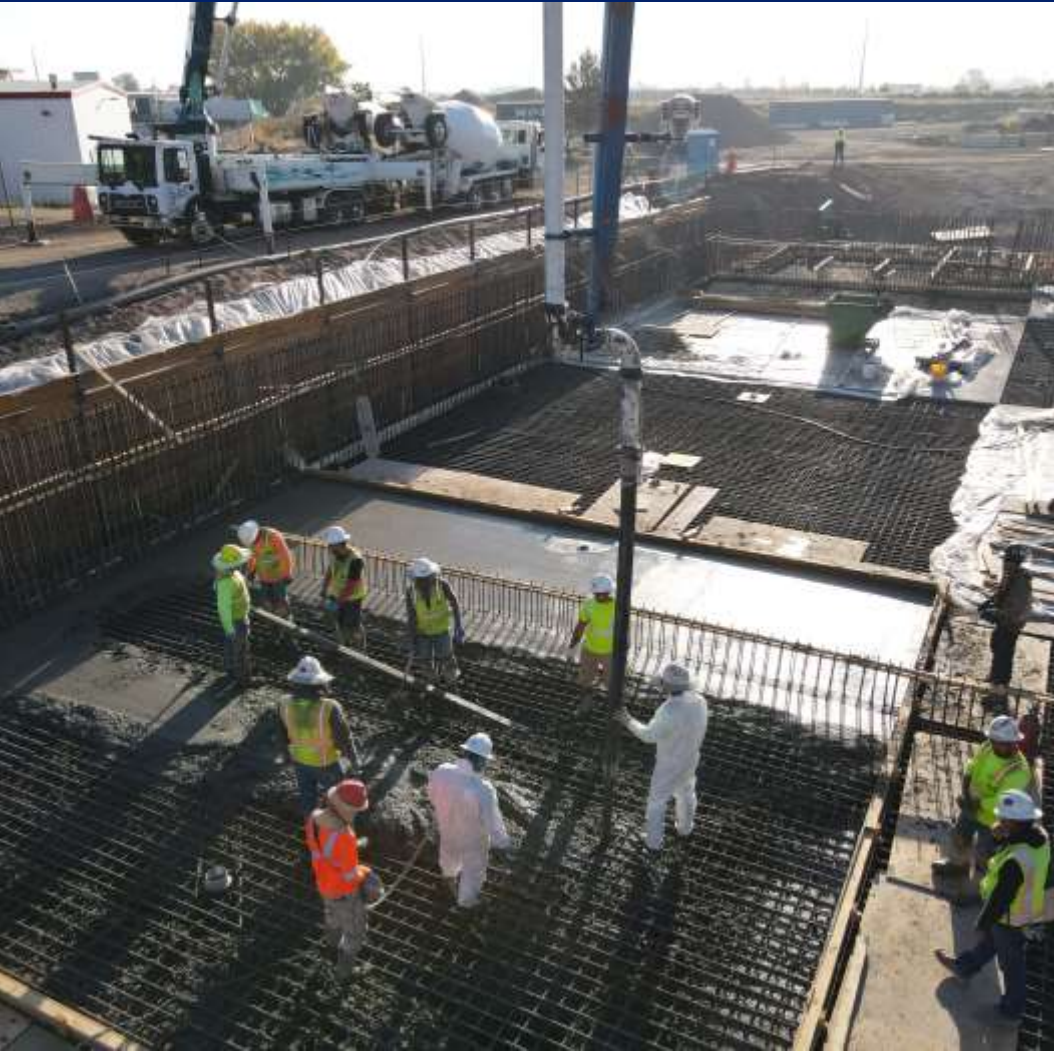
May 17, 2023

Agenda



- Project Overview
- Current Status
- Work Completed
- Remaining Work
- Fun Facts and Photos

Project Overview



- Meets Reg 85 Limits and increased organic capacity
- Switch from MLE to A2O configuration
- Major Components
 - New Selector Basin (Anaerobic/Anoxic Zones)
 - Additional Aeration Basin/CaRRB
 - Rehab of existing Aeration Basins (1-4)
 - New secondary electrical building
 - RAS pumping upgrades
 - Ferric addition
 - New MLR pump station



Current Status



- Contract Value: \$30,164,082
- Change Order Percentage: 0%
- Total Work Completed and Stored to Date: \$25,213,377.04
- Total Contract Time: 915 days
- Current Time Used: 772 Days
- Potential schedule extension: 30 days
- 84% Complete

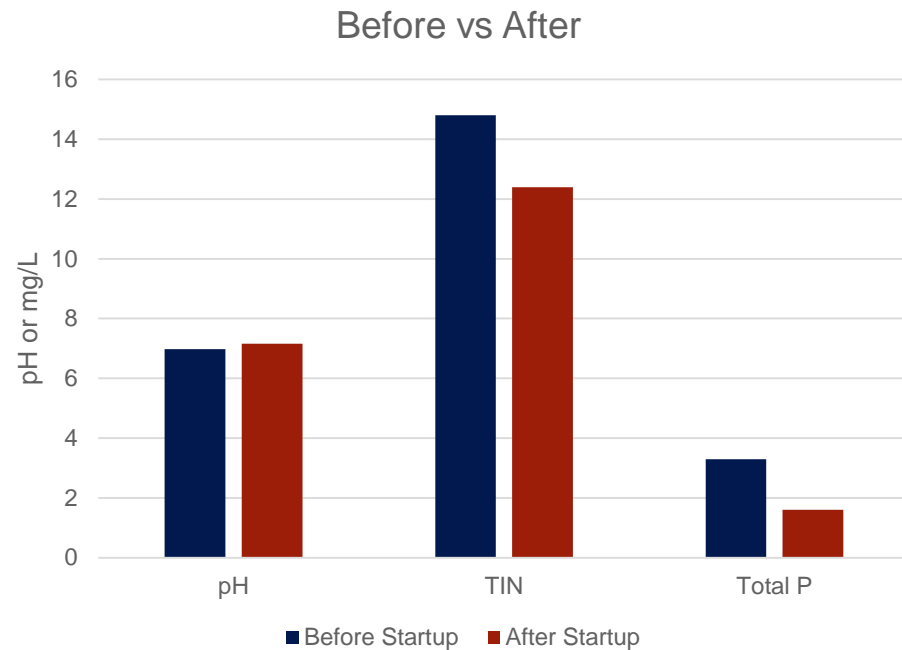


Work Completed



- Selector Basin
- Aeration Basin 0 / MLR Wet Well
- Secondary Electrical Building
- RAS Building Upgrades
- Aeration Basin 1 Rehabilitation

Resulting Data after New Basin Start-Up



Date	pH	TIN (mg/L)	Total P (mg/L)
Reg. 85	N/A	13 ¹ 15 ²	1.0 ²
Feb '22 – Jan '23	6.98	14.80	3.30
Feb '23 – April '23	7.16	12.39	1.60
March and April '23 Only	7.18	11.32	1.55

- 1) Daily Max limit received during Site Application process
- 2) Regulation 85 running annual median limit



Work Remaining



- Rehabilitation of existing Aeration Basins 2, 3, and 4
- Ferric Addition
- Alkalinity Addition
- Site Restoration
- Anticipated Final Completion October 27, 2023



Fun Facts and Project Photos



- Total Concrete: 6000 CY (~600 full truck loads)
- Total Rebar: 925 tons
- Linear feet of yard pipe > 6": 3290ft
- Total electrical wire: ~68 miles
- Total Air Diffusers: 9347





Aerial - March 2023

Thank you

