



BATTELLE

Arctic Research Operations

ARSLS review of FEMC APP24 Projects and Upcoming APP25 Projects at Toolik Field Station

APP24 Project Recap

- Wet Lab
 - Replaced roof and installed eaves
 - Installed new furnace and flue
- Built new Tent City outhouse tower
- Completed Winter Quarter improvements
- Demobilized the Evans project
- Installed 300' of new boardwalk to complete the Toolik loop
- Completed numerous maintenance projects
 - Washeteria
 - Well intake
 - Medical foundation
- Annual building inspections



New Central Waste Tank Installed

Old Tank Removed

- Challenging excavation conditions
- Great coordination with Toolik staff, stakeholders, and the Toolik Science community.
- ADEC has signed off on the project, and we have a tank for the next 40 years.
- Thank You!



APP25 Battelle ARO FEMC Crew Size and Schedule

- 2025 Site Supervisor is **Mark Farmer**
- Spring Season is April 16 – June 5
 - Crew of 6
 - There is no plumber position in the Spring
- Fall Season is August 6 – September 18
 - Crew of 7
- The Crews are mostly returning folks



APP25 Toolik Battelle ARO FEMC Project Summary

34 Projects for the 2025 Season

- 15 Facility Sustaining (FS) projects in APP25
- 8 Facility Upgrades (FU) Projects in APP25
- 2 Science Support Projects in APP25
- 9 FS.05 Projects – building maintenance type tasking
 - Electrical, plumbing, and structures will be inspected by FEMC crew
 - If you have an issue or know of an issue, please share it with Toolik or Battelle ARO FEMC staff

Highlighting some of the bigger projects and those with impacts to the community on station in 2025

APP25 Toolik Projects

Float Switches

- All Station water impact
- Occurs early Spring



Network Switches

- Install insulated boxes – internet outages
- Will work with IAB and UAF IT to disconnect and reconnect servers for Wet Lab , Dry Lab, Lab 7, and Community Center



APP25 Toolik Projects



Dry Lab

- Reroof and flue Work
- Some noise and heat loss
- Occurs Spring

Boat Dock Boardwalk

- Remove and rebuild boardwalk to docks
- Spring/Fall project



APP25 Toolik Projects

Dining Hall Improvements

- Replace drink station countertop
- Install LED lights in all fixtures
- Install a water bottle filling station



Impacts to Dining Hall drink service area and flow inside Dining Hall – will coordinate with Toolik cook staff and community

APP25 Toolik Projects

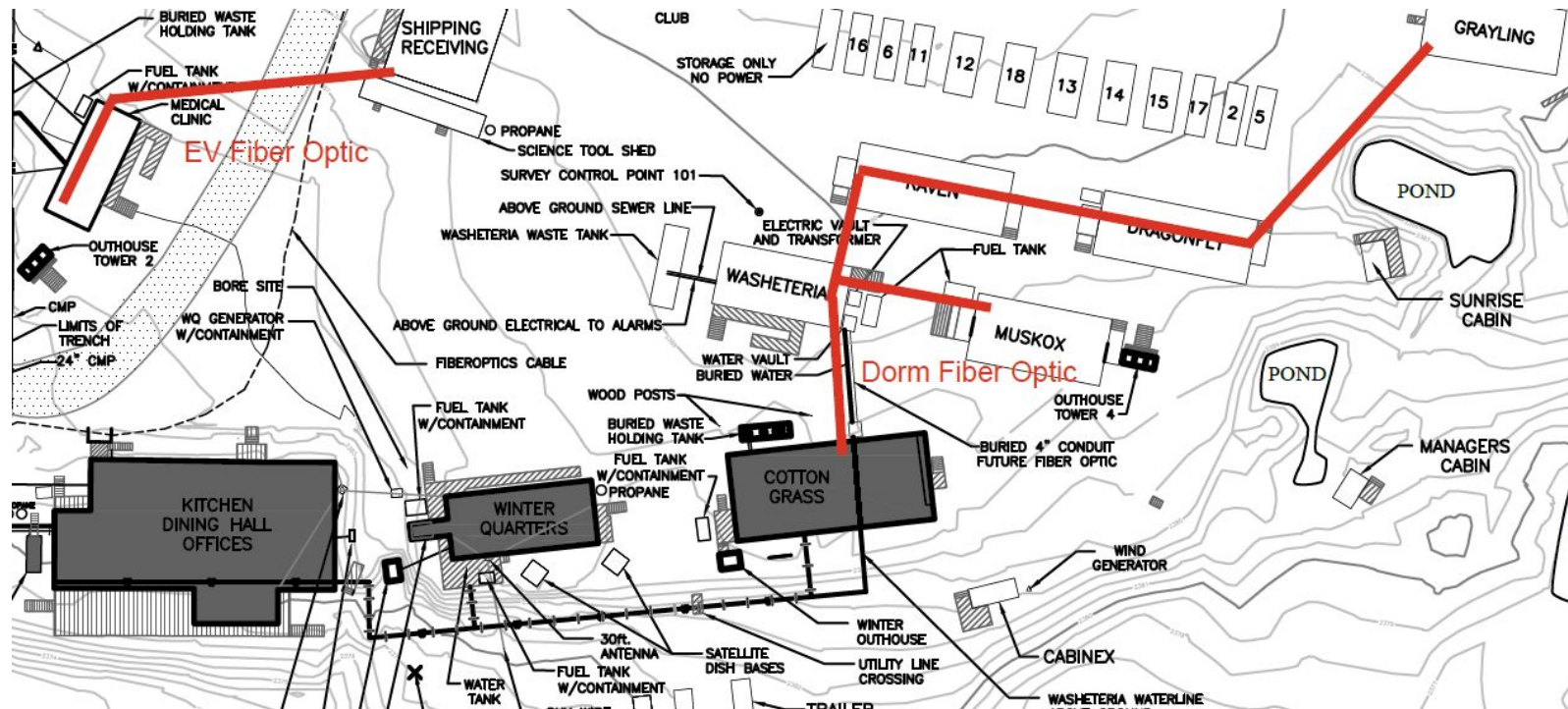
Electrical Vehicle (EV) Infrastructure and Fiber Optic Expansion

- Install two charging stations for EV trucks near the Science workshop trailer
- Will complete Phase 1 of station fiber optic loop (resident side) to improve Station internet and Wi-Fi service.

Impacts on Station: trenching around dorms and across key pad locations



EV and Fiber Optic Trenching Locations at Toolik Field Station



APP25 Toolik Projects

Toolik Garage

- Install gutters on the building and grade around the building to improve drainage

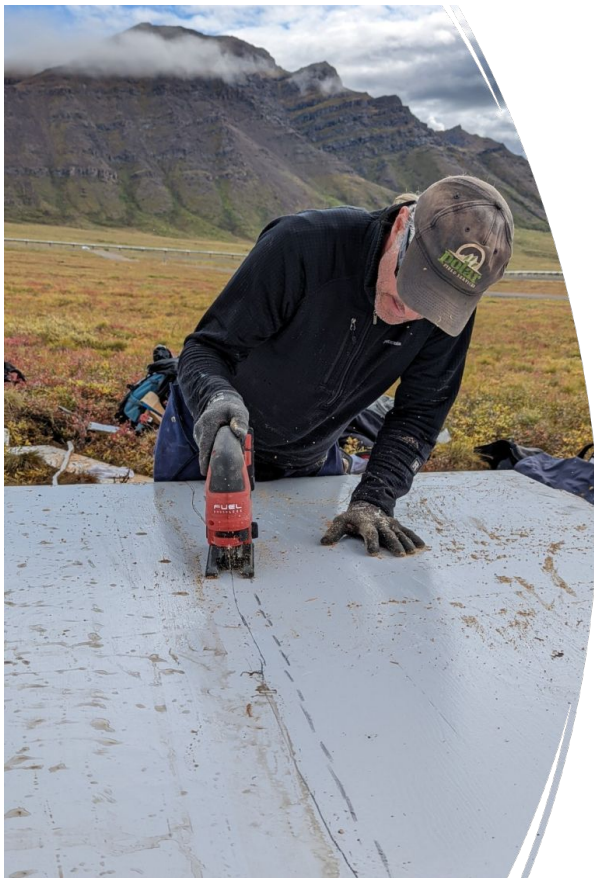


APP25 Toolik Projects

Science Support and Projects

- Bret-Harte – ITEX power system at Imnaviat Creek and weir repair work
- Griffin – LTER boardwalk and vole fence maintenance and repair





APP26 Toolik Projects

Planning Ahead for Science Support and Projects

- APP26 Projects – begin thinking and planning now
- Work with Science PMs early
- Review projects during Toolik Annual Meeting
- Develop better project scope
- Find cost saving and efficiencies
- Address current concerns
- Long Range Plan
- Work together to make Toolik a great place to do Science



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