



Toolik Field Station – Annual Meeting – January 2016

2015 Construction – Garage





2015 Construction – Garage

- Project completed safely
 - No injuries
 - Passed safety audit
- Ahead of schedule
 - Original demobilization schedule October 5th, actual September 20th
 - Occupancy date September 17th
- Under Budget
 - By about \$55K
 - Change order rate 0.38% (that's really good)

2015 Construction – Garage



A Warm Loader is a Happy Loader

2015 Construction – Waste Heat Recovery





2015 Construction – Waste Heat Recovery

- Captures heat from coolant of the running engine, transfers to system loop
- System loop provides heat to Garage, Gen Modules and offline engine block heaters
- System on line September 17, 2015
- Reduced electrical load from radiator fans, heaters
- Working through final punchlist items



2015 Construction – Labs 6/7

- Connected to water distribution system
- Installed & connected wastewater tank
- Installed & connected fuel tank
- Install power meters
- Constructed entry stairs and landings
- Repaired flooring



Well House Upgrades

- Lake pump connection & power
- Chlorine analyzer with automatic dosing
- Continuous flow through UV units
 - Prevents overheating when not making water
 - Prevents overcooling when treating very cold well water
- Turbidity measurement
 - Repurposed from old trailer-based system