

Report received.

MCA Agenda
Item VI. B
3/13/2025



McGee Creek Authority

TO: Trustees, McGee Creek Authority

FROM: Chris Browning, General Manager

Operations and Lake Levels and Pumpage Report.

Routine daily operations at McGee Creek Authority (MCA) include visually inspecting the pumping plant, dam, dike and spillway, and monitoring and reporting weather and lake conditions to the Army Corps of Engineers. Safety meetings, Rate-of-Flow Station (ROFS) inspections, equipment and vehicle fleet maintenance occur weekly and/or as needed prior to specific tasks. Electrical meters and rectifiers along the pipeline are read monthly with data being distributed to the proper entities. Ongoing visual inspections to monitor movements and conditions of the dam and dike are done monthly with checklists and instrumentation readings reported to the Bureau of Reclamation (BOR). Activities listed are some but not all the tasks undertaken by the MCA staff.

August 2024

- Completed monthly WxCoder report, water supply report, pump report, operations report, and activities log
- Bi-annual alarm test of buildings
- Read meters and rectifiers along pipeline; compiled monthly Utilities report
- Attended weekly SE Line safety meetings
- Completed weekly inspections of ROFS
- Completed Instrumentation and OVIC for monthly USBR reports
- Tested iPad cellular account
- Completed weekly inspections of ROFS
- Completed weekly and monthly Dam Operator duties
- Completed monthly fire extinguisher inspections
- Bi-annual alarm system inspection at office/headquarters, ROW, M&I, and pump station buildings
- City of Atoka water meter valves opened
- Switched lead on oil pumps, air compressors, and air handling units located in pumping plant
- Annual fluid exchange - parts washer barrel
- Assisted SE Pipeline with setup and software updates on SE water drone

Grounds and building maintenance:

- Tested heaters and ventilation fans in pumping plant
- Performed monthly inspection of lighting, equipment, and building conditions
- Replace anchor for SE intake structure buoy
- Erwin Pest Control quarterly pest control visit
- Troubleshoot shop yard gate
- Mowed Atoka dam
- Mowed office yard, entrance and crossover road, dam, dike and spillway
- Sprayed guardrail of dam and dike

Equipment maintenance:

- Unit No. 0861535 AEBI troubleshoot - rear wheels locking up
- Unit No. 1961349 5075M Tractor AC repair
- Unit No. 1791109 Ranger boat PMA
- Unit No. 1781111 Ranger boat trailer PMA
- Unit No. 1791110 Mercury 115 Pro XS PMA
- Unit No. 1461308 engine oil change
- Troubleshoot Regulating tank tower UPS battery pack shorted out; not allowing UPS to turn on
- Unit No. 2029185 2020 Chevrolet PMA
- Unit No. 2429063 2024 Chevrolet oil change and PMA
- Unit No. 2083057 Big Tex 19+3 trailer replace trailer light plug connector
- Unit No. 1961349 5075M tractor PMA
- Unit No. 1890387 SS ECO mulcher PMA
- Unit No. 0861535 AEBI PMA
- Unit No. 1868385 CAT 299D2 skid steer PMA
- Unit No. 0828407 Van PMA and PMB and engine oil change
- Installed grease hose extensions on air handling units
- Troubleshoot flow meter - jet flow transmitter irregular readings
- Unit No. 0861535 AEBI AC not working
- Unit No. 2333219 dump truck trailer lighting
- Unit No. 0828407 08 van tires replaced
- Unit No. 2286117 R15 Flex Wing replace broken hitch
- Repaired hydraulic line holder left side - Unit No. 1061561
- Unit No. 1529336 2015 Chevrolet PMA
- Unit No. 0892553 portable air compressor PMA
- Troubleshoot Sump Pump 72-inch vault - not working
- Unit No. 2286117 R15 Flex Wing - Replaced electrical wiring to rear lights, and both hydraulic lines and hose holders

September 2024

- Completed monthly WxCoder report, water supply report, pump report, operations report, and activities log
- Attended weekly SE Line safety meetings
- Tested iPad cellular account

- Read meters and rectifiers along pipeline; compiled monthly Utilities report
- Completed Instrumentation and OVIC for monthly USBR reports
- Attended weekly SE Line safety meetings
- Completed weekly inspections of ROFS
- Completed monthly fire extinguisher inspections
- Completed weekly, monthly, and quarterly Dam Operator duties

Grounds and building maintenance:

- Monthly inspection of lighting, equipment, and overall building condition. Checked operation of heaters and ventilation fans.
- Completed monthly fire extinguisher inspections
- Tested heaters and ventilation fans in pumping plant
- Performed monthly inspection of lighting, equipment, and building conditions
- Brush hog with skid steer west of Rectifier No. 7
- Filled in low area next to ROFS station fence
- Mowed ROFS, pipeline easement near Atoka meter, pipeline behind surge tank
- Put out fire behind surge tank
- Removed dead trees from office yard
- Repair right downstream hip of dam

Equipment maintenance:

- Switched lead on oil pumps, air compressors, and air handling units located in pumping plant
- Annual vehicle floor lift inspection
- Guard gate No. 1 bonnet bleeder valve repair
- PM HPG No. 7
- PM intake gates
- Adjusted discharge valve No. 3 packing
- M&I building alarm panel battery replacement
- PM vaporizer
- ROW shaft lighting - 3 bulbs needing replaced towards top of ladder sections
- Evans quarterly vibration testing on pumps and motors
- Unit No. 2429063 2024 Chevrolet recall brake controller
- Unit No. 1061561 5101E tractor armrest repair
- Unit No. 1961349 loader pin snap ring
- Unit No. 1961349 5075M tractor passenger side mirror
- Unit No. 1969340 mini ex coupler hydraulic hose repair
- Unit No. 2286117 R15 Flex Wing clevis hitch repair

October 2024

- Completed monthly WxCoder report, water supply report, pump report, operations report, and activities log
- Attended weekly SE Line safety meetings
- Tested iPad cellular account

- Read meters and rectifiers along pipeline; compiled monthly Utilities report
- Completed Instrumentation and OVIC for monthly USBR reports
- Attended weekly SE Line safety meetings
- Completed weekly inspections of ROFS
- Completed weekly and monthly Dam Operator duties
- Completed monthly fire extinguisher inspections
- Assisted Patrick Knighten with login issues - first time setup for new employee
- IT support/assistance - troubleshoot no connectivity Byren's phone, troubleshoot Patrick Knighten's Office 365 account, setup Patrick Knighten's new iPhone
- Quarterly inspection completed by American Elevator (freight elevator)
- William Birdsong attended Quarterly IT Contact meeting
- Collected water samples and delivered to Hefner treatment lab

Grounds and building maintenance:

- Completed monthly inspection of lighting, equipment, and overall building condition; Checked operation of heaters and ventilation fans. Inspected fire extinguishers
- Switched lead on oil pumps, air compressors, and air handling units located in pumping plant
- Tested heaters and ventilation fans in pumping plant
- Performed monthly inspection of lighting, equipment, and building conditions
- Mow and weeded office yard
- Graded roads at spillway, dam, dike, and surge tank
- Installed valve operator adapters on pumping plant inlet valves
- PM coolant plumbing
- Exercised pump valves
- PM pressure gauges
- PM dehumidifier M&I gate chamber
- PM dehumidifier ROW control room and gate chamber
- PM cone valves
- Clean up riprap on upstream hip of dike

Equipment maintenance:

- Unit No. 1969340 305.5 mini ex hydraulic leak
- Unit No. 0783673 Featherlight trailer spindle replacement
- Unit No. 2286117 R15 Flex Wing clevis hitch repair
- Rectifier No. 3 troubleshoot volt readings
- Replaced air purifier filter
- Installed pressure gauges on Pump No. 2
- Regulating tank rectifier not working
- Switched lead on oil pumps, air compressors, and air handling units located in pumping plant
- Repair/corrective maintenance - ROFS valves not communicating on SCADA
- Cleaned Hi/Lo level alarm probes
- Unit No. 2333219 dump truck PMA
- Unit No. 0828407 van PMA and PMB

- Gas meter No. 1 not counting calibration days down
- Unit No. 2429063 2024 Chevrolet signal light error due to LED bed lights
- Unit No. 2029185 2020 Chevrolet PMA
- Unit No. 1529336 2015 Chevrolet PMA
- Unit No. 1890387 SS ECO mulcher PMA
- Unit No. 1086568 709 brush hog PMA
- Unit No. 1791109 Ranger boat power steering not turning left when on plane
- Unit No. 2383304 Delta trailer spare tire carrier and chains/boomers box
- ROW dehumidifier not working properly

November 2024

- Completed monthly WxCoder report, water supply report, pump report, operations report, and activities log
- Bi-annual alarm test of buildings
- Read meters and rectifiers along pipeline; compiled monthly Utilities report
- Attended weekly SE Line safety meetings
- Completed weekly inspections of ROFS
- Completed Instrumentation and OVIC for monthly USBR reports
- Completed weekly and monthly dam Operator duties
- Tested iPad cellular account
- Completed weekly inspections of ROFS
- Completed monthly fire extinguisher inspection
- Assisted SCADA troubleshoot no internet/network at pump station
- BCP business continuity plan exercise
- IT support/assistance - Patrick Knighten Cornerstone log on failure
- Erwin Pest Control - provided access for quarterly pesticide treatment
- Assisted RFiP with communication failure to pumping plant

Grounds and building maintenance:

- Tested heaters and ventilation fans in pumping plant
- Performed monthly inspection of lighting, equipment, and building conditions
- Switched lead on oil pumps, air compressors, and air handling units located in pumping plant
- Repair/corrective maintenance - 24-inch valve on 72-inch side actuator motor making noise
- Replaced ballast in light fixture of office main lobby area
- Flushed low water intake manifold sensor
- Exercised valves at jet flow, ROFS, and regulating tank
- Lubricated overhead doors of equipment storage building, pumping plant and office
- Graded roads at dike
- Mulched leaves in office yard
- Replaced hose on 50LB CO2 fire extinguishers in pumping plant
- Brush hog edge of spillway, pumping plant road, end of dike
- Painted Pump No. 2 base

- ROW dehumidifier not working properly
- 66-inch valve remote function not working
- Pump No. 2 DVF discharge valve fail

Equipment maintenance:

- Unit No. 1961349 5075M JD wire harness replacement and lift cylinder replacement
- Unit No. 1791109 Ranger boat power steering not turning left when on plane
- AUX generator hour meter not moving
- Unit No. 1897386 Auger PMB service
- Unit No. 2286117 R15 Flex Wing - Replaced electrical wiring to rear lights, and both hydraulic lines and hose holders
- Unit No. 2429063 2024 Chevrolet oil change
- Unit No. 1868385 CAT 299D2 Skid Steer PMA
- Unit No. 0892553 portable air compressor PMA
- Unit No. 2429063 multiple errors on dash display - ABS, brakes, traction control, steering column lock, etc.
- Unit No. 2189343 Woods land plane repair front blade holder
- Unit No. 8931219 remove two way radio for new truck

December 2024

- Completed monthly WxCoder report, water supply report, pump report, operations report, and activities log
- Bi-annual alarm test of buildings
- Read meters and rectifiers along pipeline; compiled monthly Utilities report
- Attended weekly SE Line safety meetings
- Completed weekly inspections of ROFS
- Completed Instrumentation and OVIC for monthly USBR reports
- Completed weekly, monthly, quarterly, and bi-annual Dam Operator duties
- Tested iPad cellular account
- Completed weekly inspections of ROFS
- Completed monthly fire extinguisher inspection
- Annual fire alarm inspection at pump station, office, and residence
- Assisted RFiP with comm failure to pump station from ROW
- Complete biannual dam operator duties
- Complete quarterly dam operator duties
- Communications failure at ROFS - power outage

Grounds and building maintenance:

- Tested heaters and ventilation fans in pumping plant
- Performed monthly inspection of lighting, equipment, and building conditions
- Completed monthly fire extinguisher inspections
- Switched lead on oil pumps, air compressors, and air handling units located in pumping plant
- Erwin Pest Control quarterly pesticide treatment

- Air Vent No. 2 Leaking
- M&I control room northernmost interior fluorescent light ballast replacement

Equipment maintenance:

- Replaced fuel meters
- Painted Pump No. 2 base
- Unit No. 1061561 5101E JD two way radio antenna
- Unit No. 2429063 2024 Chevrolet replace running boards
- DCP not transmitting online
- Monthly PM ice machine
- ROW dehumidifier not working properly
- Office communications closet UPS batteries replacement
- PM vaporizer
- Unit No. 2193279 Honda generator PMB/oil change
- 66-inch valve remote function not working
- Pump No. 2 DVF discharge valve fail
- Calibrated 4 gas meter
- Unit No. 1529336 2015 Chevrolet engine oil change

January 2025

- Completed monthly WxCoder report, water supply report, pump report, operations report, and activities log
- Bi-annual alarm test of buildings
- Read meters and rectifiers along pipeline; compiled monthly Utilities report
- Attended weekly SE Line safety meetings
- Completed weekly inspections of ROFS
- Completed Instrumentation and OVIC for monthly USBR reports
- Tested iPad cellular account
- Completed weekly inspections of ROFS
- Completed monthly fire extinguisher inspection
- Completed weekly and monthly Dam Operator duties
- Collected water samples and delivered to Hefner treatment lab
- Performed flood gate changes
- Evans quarterly vibration testing on pumps and motors

Grounds and building maintenance:

- Tested heaters and ventilation fans in pumping plant
- Performed monthly inspection of lighting, equipment, and building conditions

Equipment maintenance:

- Switched lead on oil pumps and air compressors in pumping plant
- PM AUX generator
- Repaired exhaust leak on AUX generator

- Monthly PM ice machine
- Unit No. 0828407 van PMA and PMB
- PM air compressors
- Replaced wire connectors on Motors 1 and 2
- Unit No. 1961349 5075M tractor PMA

Recommendation: Report be received.