

CMO/SHOP Changes

September 2024

PRINCIPLES

- EFFICIENCY
 - Proper use and respect of volunteer time
 - Scheduled work sessions
 - Organized and clean work areas
 - Supplies organized and date tracked to limit overbuying and spoilage
- RESPECT
 - What is easy and expedient for one person must no longer be at the expense of another's time (unless arranged)
 - Equipment treated properly and used only for its intended purpose. Misuse of equipment leads to unnecessary damage and need for repair (wasted resources)
 - Shop use strictly limited to the maintenance, repair and restoration of museum rolling stock and support equipment. The shop can no longer be used as a drop off or storage closet. It is a wasteful use of the valuable space which impedes efficient use of mechanic time, creates more fire hazard and is generally unsafe.
- PRESERVATION
 - A plan and demonstrated ability to properly care for equipment will be required before any restoration or repair is contemplated. Repaired and restored equipment needs to be protected from the weather, vandalism and any other form of abuse
 - Operating engines shall be stored in the engine house. Engines in service for RAL to be located outside during RAL season and inside during off-season
- PREVENTION
 - All equipment and operating rolling stock to be placed on a preventative maintenance schedule
 - Proper HAZMAT storage and disposal
 - Fire prevention - REMOVE clutter and follow proper flammable storage rules
 - Fall arrest/prevention system for working at height to be installed

HAZMAT

- USED OIL - Need Waste Generator permit for used oil. Will service support fleet this year but must have generator permit and contract with waste haulers by spring to accommodate existing oil storage and one locomotive oil change per year
 - Temporarily store oil in 55 gallon drums on north side of shop (outside)
 - May require above ground tank long term
- Need hazmat pickup for existing and future used filters (engine, hydraulic and fuel) (Hunt and Sons?)
- Need hazmat pickup of old industrial paints (Clean Harbors or equivalent vendor)
- Solvent tank cleanup
- Future consideration - R100 for all locomotives except 1503 (overwinter needs)

SHOP CHANGES

- Clean and organize all areas west of public barriers
 - Clean and organize board room

- Clean and organize tool room
- Clean and organize store room adjacent tool room
- Clean and organize machine shop
 - Mount and connect wash sink
- Clean and organize all flat surfaces
- Clean and organize all machines, inspect for state of repair
- Clean out all cabinets, lockers, etc. Inventory, organize and/or dispose
- REMOVE all materials and tools not associated with maintenance, repair and restoration of rolling stock
- RELOCATE and/or REMOVE all material between tracks 1 and 2 (clear pathway between tracks)
- Establish organized spares/parts/supplies storage
- Remove (perhaps repair) electric forklift in wheel bay
- Move caterpillar engine out of wheel bay
- Establish and organize welding bay

New Direction(s)

- Operating locomotives to be stored in shop at all times outside of RAL season
 - Locomotives can remain outside during special event windows on days they are run when they are also scheduled to run the next day
- Operating support equipment to be stored in engine house between tracks 1 and 2 at all times between October and April
- Mechanical tools to be locked up and accessible to mechanics only
- All persons using the shop are to completely clean all work areas used when their work session is complete. A work session is to be considered 'complete' if the person working is going to be away for more than 1 week.
- **NO STORAGE in shop area of anything not used for shop purposes.**
 - Strict enforcement will be in place. Confiscate and/or discard with abandon.
 - This will become a safe, organized, presentable, working shop

Significant Mechanical Dates:

2024

- September 27-29
 - Work session to assess backhoe and Big White, repair as able
- October 11-14
 - 1100 and (1503 or 2873) winterization.
- October 28
 - (1503 or 2873) will be winterized and stored in the engine house.
 - All support equipment will be moved to engine house
- December 5
 - (1503 or 2873) returned to service (watered) and stored in engine house
- December 22
 - (1503 or 2873) will be winterized and stored in engine house

2025

- April 4-14
 - 1503 annual
 - 2873 annual (assuming paint complete)
- May 19-23
 - Finish any remaining work on 1503 and 2873

- 1100 Repair and annual
- May 22-23
 - Operations engine and caboose wash
- May 24
 - Operating engines returned to service and available for RAL
- October 4-5
 - All operating engines except 1503 will be winterized (assuming 1503 has been fitted with winter-safe coolant)

General Notices:

- 2873 will be in service for Pumpkin and Santa trains, pending completion of new paint (otherwise 1503)
- We will not be running a two engine consist this year
- Plan on no run of the plow this winter
- I need fuel, specifically gasoline. Board is encouraged to switch to ethanol free fuel (available in North East Reno Maverick station)
- 2025 Budget will include request for funds to
 - Repair engine protection device on 1503 and fill cooling system with antifreeze. This will allow for the year-round availability of this locomotive and will remove the need for winterization
 - Rebuild spring packs on Big White
 - Rebuilt Injectors for 707
 - Oil change for 707

- I am stepping in for CMO duties but I will not be performing the various other tasks that were left to David, such as snow removal