



HAWTHORNE ARMY DEPOT
SOC NEVADA LLC
MAINTENANCE PLAN FOR MERCURY
STORAGE AND TRANSFER
Revision 1

STORAGE OF MERCURY

SOC performs inspections, tests, maintains and repairs the mercury storage warehouses. This includes maintenance and repair of roofs, walls, foundations, docks, ramps, mechanical vents, electrical panels, power lines and lights. This also includes maintenance and repair of the carbon dioxide (CO₂) fire suppression system, fire alarm system, intrusion detection system (IDS) sealed floors and dykes. SOC provides a report that identifies dates and types of maintenance services performed and verifies operational condition of all facilities to the ACO within (5) working days after the end of each month.

SOC has implemented in the computerized maintenance management system (MAXIMO), preventive maintenance standards which include the inspection of structures, electrical systems, fire suppression systems and intrusion detection systems. All inspection results are tracked in the MAXIMO system and work orders issued as appropriate in repair of any deficiencies. CO₂ systems are currently under warranty, but inspection, test, maintenance and repair procedures will be included in the Maximo system.

The MAXIMO system is used to manage the maintenance of all government owned equipment (including the equipment specifically issued for the storage of mercury). This includes planning, scheduling and the performance of preventive maintenance. Certification of weight handling equipment (fork-lifts) is performed in accordance with TB 43-0142 standards, and calibration of mercury detecting instruments is performed IAW manufacture specifications by an outside laboratory certified to perform such calibration. A report of these activities will be provided to the ACO.

Three (3) Lumex mercury vapor analyzers: SOC is responsible for the calibration of these three instruments. These items are currently sent to Arizona Instruments for calibration. Records are maintained in the MAXIMO system.

Three (3) Jerome mercury vapor testers: These items are currently sent to Arizona Instruments for calibration. Records are maintained in the MAXIMO system.

Three (3) 4,000 lb propane powered, soft tire forklifts, and one (1) 6,000 lb gas (or LPG) powered forklift: These forklifts have been received at HWAD and are included in the MAXIMO system for scheduling of PM.

One (1) Rough Terrain (RT) fire truck: This fire truck has been received at HWAD and is included in the MAXIMO system for scheduled maintenance.

MERCURY MOBILE TRANSFER FACILITY AND EQUIPMENT

The Mercury Mobile Transfer Station (MMTS) and the separate office trailer have been added to the contract by Contract Order 0088 dated Jun 27, 2014. Maintenance of these trailers and installed equipment will be performed in accordance with the manufacturer's O&M Manuals and best commercial practices. A matrix of these units is attached, showing the asset number, description, location, PM frequency, and the individual tasks to be performed. Various pieces are listed as requiring maintenance on as required by DLA management personnel.

The scheduled PM work will be coordinated in advance with DLA personnel to ensure tasks are completed timely without interfering with operations.

SUPPLIES, MATERIALS, AND EQUIPMENT

Requisition and acquisition of supplies, materials, and equipment required by the Mercury Storage and Transfer Program will be performed in accordance with QP.SOC.PCH.001 SOC Purchasing Manual. The manual defines and provides the procedure to ensure that the product ordered is received.