

**Performance Work Statement
Receipt and Storage of Mercury
Hawthorne Army Depot**

1. PURPOSE

The purpose of this contract is to acquire professional services necessary to receive, position, store, inspect and maintain the Defense National Stockpile Center, (DNSC) inventory of mercury at the Hawthorne Army Depot (HWAD) in Hawthorne NV.

2. BACKGROUND

The mercury is in sealed steel flasks that are contained in sealed plastic bags and placed inside sealed 30 gallon United Nations (UN) approved steel drums. Each drum contains six (6) flasks and is placed in a steel drip pan on top of an oak pallet. There are 5 drums on each pallet; each pallet weighs approximately 2400 lbs gross. It is currently stored by DNSC at Depots in Ohio, Indiana and New Jersey where it has been kept for over 50 years. The inventory is externally identified by individual drum.

Mercury storage in the State of Nevada is subject to regulation under the Nevada Division of Environmental Protection (NDEP) Chemical Accident Prevention Program (CAPP) NAC 459-95512. Following NDEP CAPP guidelines, DNSC and the current base operations contractor, Day Zimmermann Hawthorne Corporation (DZHC) completed a Process Hazard Analysis (PHA) to identify and document mercury management processes and assess the risks associated with receipt and storage at HWAD. Operations are conducted in conformance with program requirements which are defined in a detailed set of conformance documents referred to as the CAPP Plan. The first CAPP Plan was submitted to the NDEP for review in May of 2010 and is pending approval. The incumbent contractor will be required to review and update the mercury management CAPP Plan to reflect any changes pursuant to transition in base operations responsibilities and submit the updated document to the HWAD Command staff for submission to the NDEP.

The current CAPP plan is single volume containing all required process documentation and procedures developed in accordance with the NDEP requirement. This document is sensitive and is not available for review pursuant to this solicitation. All of the operational aspects of the mercury management process as applied at HWAD are identified in the DNSC Mercury Management Standard Operating Procedures (hereafter referred to as the DNSC Mercury Management SOP). This document also identifies Management of Change procedures that will be applied to updating the CAPP Plan post award. The DNSC Mercury Management SOP is attached as Exhibit 3 and is available for review in the solicitation technical library.

3. REQUIREMENTS

Management services are required to the drum level of the containment only. Management of materials within the drum, e.g. bags padding and flasks will be accomplished under separate contracts.

3.1 The contractor shall provide all necessary labor, supervision, equipment, materials, parts, and supplies required to accomplish the following tasks:

- 3.1.1 Receive the materials at the truck inspection lot of the HWAD installation shipped by DNSC in tractor trailer, combination vehicles. As described in the DNSC Mercury Management SOP.
- 3.1.2 Direct vehicles to warehouse locations designated for storage of DNSC mercury as described in the DNSC Mercury Management SOP.
- 3.1.3 Test every inbound truck for mercury vapor concentration and inspect palletized loads for damage or shifting as described in the DNSC Mercury Management SOP.
- 3.1.4 Document test and inspection results of all trucks and address each as directed by the DNSC Mercury Management SOP.
- 3.1.5 Provide testing documentation to QA inspector at the close of the business day when materials were received as described the DNSC Mercury Management SOP.
- 3.1.6 If higher than acceptable levels of vapor are detected, remediate excessive vapor in received van trailers or around palletized loads as prescribed in the DNSC Mercury Management SOP.
- 3.1.7 Provide remedial documentation to the ACO at the close of the business day when vapor releases were discovered, remediated and affected materials were placed in storage. This will accomplished as described in the DNSC Mercury Management SOP.
- 3.1.8 Upon clearance from fire emergency services position each truck and unload palletized mercury into the warehouse and location identified as described in the DNSC Mercury Management SOP.
- 3.1.9 Move mercury pallets along the warehouse loading dock and spot them within the receiving vestibule of each respective warehouse. Using the Government furnished "clean" lift truck, position each pallet in the storage in one of two configurations as directed by the ACO and identified on the "Typical Warehouse Layout" Exhibit 1 and provided in the DNSC Mercury Management SOP.
- 3.1.10 Receive and process up to five (5) truckloads of mercury per day; Monday through Thursday between the hours of 7:00 AM and 4:00 PM. As described in the DNSC Mercury Management SOP.
- 3.1.11 Document receipt of each shipment using DNSC Form 42 "Receiving Report" (Exhibit 2) which will accompany each truck with the packing list; forward each completed form to DLA/DNSC for inventory control at the close of the business day as described in the DNSC Mercury Management SOP.
- 3.1.12 Test each warehouse for the presence of mercury vapor as described in the DNSC Mercury Management SOP.
- 3.1.13 Act as described in the DNSC Mercury Management SOP if mercury vapor or liquid releases are detected.

3.1.14 Develop and accomplish quarterly inventory verification process and supporting reports to confirm locations of mercury drums in storage as described in the DNSC Mercury Management SOP.

3.1.15 Accomplish monthly visual inspections and air quality testing of mercury in storage at HWAD as described in the DNSC Mercury Management SOP.

3.1.16 Provide a report to DLA/DNSC no later than the 5th calendar day of each month that documents inspection results, verifies integrity of the storage containers are maintained. This is to be accomplished as described in the DNSC Mercury Management SOP.

3.1.17 Notify HWAD Command Environmental staff within one (1) hour if escaped liquid mercury or higher than acceptable vapor readings are discovered. This will be accomplished as described in the DNSC Mercury Management SOP.

3.1.18 Act as necessary to contain all mercury contamination and mitigate further releases as described in the DNSC Mercury Management SOP concurrent with providing notifications of an event or release.

3.1.19 Provide assistance, such as equipment operations and access to warehouses as necessary to support contractors hired to remediate events or to conduct special studies and inspections.

3.1.20 Operate and secure the mercury storage warehouses. This shall include monitoring the unique support systems installed in warehouses, e.g. the carbon dioxide (CO₂) fire suppression, fire detection and intrusion detection systems; and accomplishing physical surveillance of all warehouses once each day. This will be accomplished as described in the DNSC Mercury Management SOP.

3.1.21 Inspect, test, maintain and repair the mercury storage warehouses. This shall include 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. Provide a report that identifies dates and types of maintenances services performed and verifies operational condition of all facilities to the ACO within (5) working days after the end of each month. This shall be accomplished by use of a computerized maintenance management system.

3.1.22 Maintain all Government Furnished Equipment (GFE) in safe and operational condition. This shall include planning, scheduling and accomplishing preventive maintenance and repairs; certification of weight handling equipment and calibration of test equipment. Provide a report that identifies dates and types of maintenances services performed and verifies operational condition of all GFE to the ACO within (5) working days after the end of each month. This shall be accomplished by use of a computerized maintenance management system.

GOVERNMENT FURNISHED EQUIPMENT

Three (3) Lumex mercury vapor analyzers

Two (2) Jerome mercury vapor testers

Fourteen (14) spill containment and handling kits

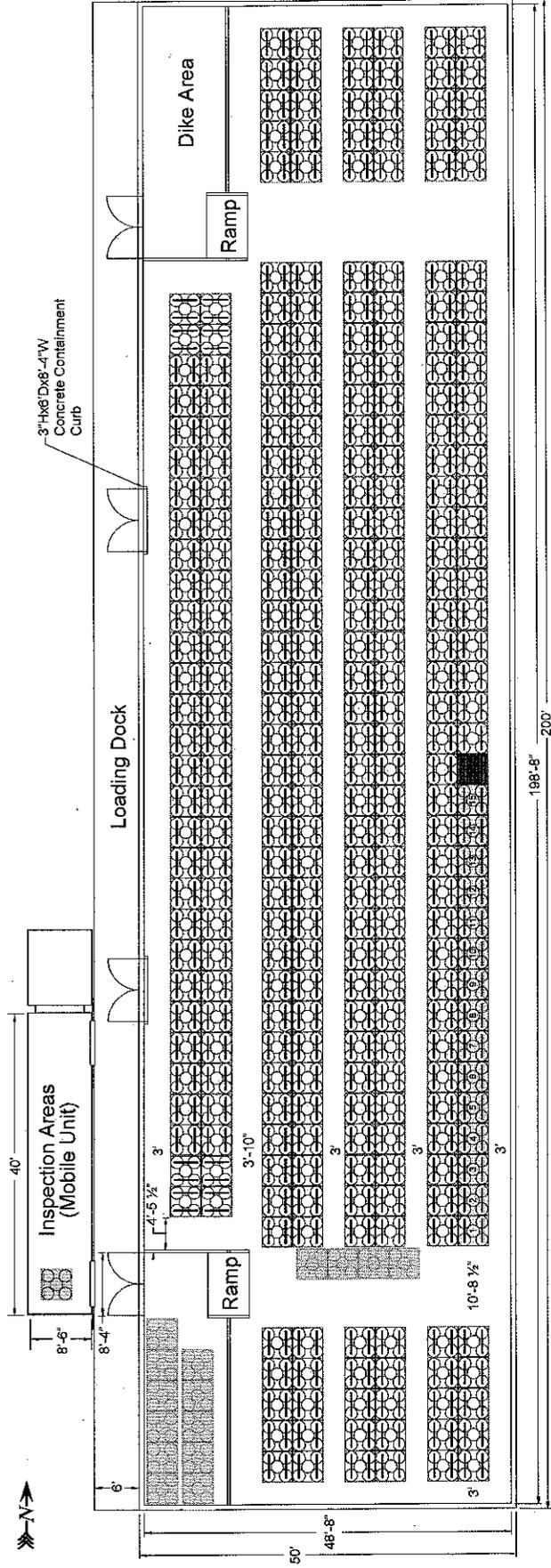
Three (3) 4,000 lb propane powered, soft tire forklifts

One (1) Rough Terrain (RT) fire truck

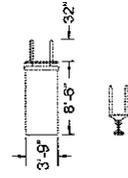
Two (2) mercury vacuums

Note: All GFE listed above is on-hand at HWAD as of 5/11/10

Baseline Single Stack Warehouse Scenario #1



Option C: Single Stack, 1560 drums; 312 pallets (49x49)



(Move 15 extra pallets for retrieval of drum)



RECEIVING REPORT

NUMBERS

PAGE OF

DATE RECEIVED	RECEIVED BY	CONTRACT	
RECEIVED FROM		PROGRAM	
		REPORT	
B/L NO..	VEHICLE NO.	SEAL NO.	DELIVERED BY (CARRIER)

MATERIALS RECEIVED

PACKAGES, NUMBER AND TYPE	LOT OR CODE NUMBER	DESCRIPTION <i>(Show grade where available)</i>	WEIGHTS		
			GROSS	TARE	NET
TOTAL					

REPORT ANY ASTRAY, DAMAGE, OVERAGE, OR SHORTAGE ON STANDARD FORM 361, TRANSPORTATION DISCREPANCY REPORT

INVENTORY RECORD CARD (DEPOT)

WEIGHT BAL.
COUNT BAL.

CERTIFICATION

I certify that the articles listed on this report have been received at the depot for storage; a copy of this report has been retained as a permanent record.

SIGNATURE

TITLE

DATE