

Date: 05/12/88
Revision No.: 3
Section: M
Kirtland

Table M-1.a.

Summary of the Maximum Hazardous Waste
Storage Capacity for DRMO Kirtland

Facility	Maximum Storage Capacity of 55 gallon drums	Maximum Solid Waste Storage Capacity (cubic feet)
Building 28009	150	1103
Building 615	18	132
Building 1024	540	3530



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Building 1024 is designed to separate incompatible wastes during storage. Each storage module, staging area, and closet is designed with a basin six (6) inches deep. The elevation of each module rim is 100' 0" while the floor of each module is 99' 6". See attachment B.1.a. in Section B. Each of the four storage modules has a basin capacity of 112f3/841 gallons. The storage capacity of the module on the southwest corner is reduced by a utility room that has a basin capacity of 115f3/863 gallons. The large storage module on the north end has a basin capacity of 401f3/3010 gallons. The designed floor plan on page M-9 indicate the maximum storage of barrels to hold 180 positions. If the positions were to be stacked three high, a maximum of 540/55 gallon drums could be stored. This equates to 29,700 gallons. The basin spill capacity of each storage module is listed in table H-1.6. The spill capacity exceeds the required 10% in each module.

Storage of Barrels in Building 1024

Flammable storage in the large storage module or any other flammable storage module is restricted to one level of drums. Therefore, 68 drums representing 3,740 gallons could be 80% contained in the basin of the large storage module.

Heavy duty steel racks will be used to support the pallets if two or three pallets are stacked. All drums will be spaced on each pallet with their labels oriented to be read from the front. A ladder will be required to provide visual access to the upper pallets of drums for inspection and identification. The vertical space available above each pallet load when stacked three high is approximately 6" which will accommodate easy access with a forklift.

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TABLE H-1.6

BUILDING 1024

CONTAINMENT CAPACITIES

<u>Area Description</u>	<u>Number</u>	<u>Size</u>	<u>Storage Capacity (gallons)</u>	<u>Containment* System Capacity (gallons)</u>	<u>Spill Capacity (%)</u>
Flammable Storage Large Bay	1	57'8" X 19'4"	11,220	3,010	26.8
Toxic/Reactive Storage (small)	1	19'4" X 16'8"	880	863	98.1
Toxic/Reactive Storage (large)	4		1,980	841	42.5
Staging Area	1	32'8" X 19'4"	NA	2,333	
Closets Large	3	10'0" X 4'0"	1,500	150	10
Closets Small	2	5'4" X 4'0"	800	80	10
Loading Dock Ramp	1	30' X 30'	NA	270	

*Volume allowances have been made for the ramps and pallets in each storage area.

GESWA-CO-KE (415-10a)

27 August 1990

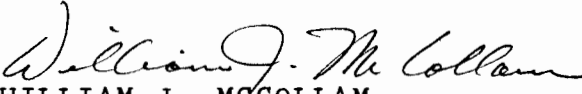
MEMORANDUM FOR CDR, ATTN: 1606th Air Base Wing/CC, Kirtland Air Force Base, New Mexico 87117-5000

SUBJECT: Contract No. DACA47-88-C-0018, Conforming Storage Facility, Kirtland AFB, New Mexico; Facility Completion

1. I hereby certify that the subject project was built in accordance with the contract plans and specifications. The plans and specifications were standardized, site adapt, documents and were approved by the EPA.

2. The Government does not require Professional Engineer Registration as the Government is the approver of all plans and specifications.

FOR THE COMMANDER:


WILLIAM J. MCCOLLAM
U.S. Army Corps of Engineers
Kirtland Area Engineer

CF:
1606th ABW/EM
Kirtland AFB, NM 87117-5000