

PERMIT ATTACHMENT B GENERAL FACILITY DESCRIPTION

INTRODUCTION

This Attachment presents a general description of Holloman Air Force Base (**AFB**), which includes surrounding land uses, the location of the Container Storage Unit (**CSU**), a detailed topographic map, a detailed description of the CSU, and a discussion of basic standard operating procedures at the CSU. Hazardous waste management and storage procedures are addressed in Permit Attachment C, *Container Storage Unit Design and Operation*. The CSU currently operates in accordance with Hazardous Waste Facility Permit No. NM6572124422-1, issued by NMED in 1991.

GENERAL DESCRIPTION

Holloman Air Force Base (**the Base**) is located on approximately 59,827 acres of land about seven miles west of the City of Alamogordo in Otero County, south central New Mexico. The Base lands are situated in the northern Chihuahuan Desert in the region known as the Tularosa Basin that is bound on the east and west by the Sacramento and San Andres Mountains, respectively. The Base is located adjacent to White Sands Missile Range and White Sands National Monument, both located west of the Base. Regional water supplies are derived from Bonito Lake, located approximately 60 miles north of the Base and the Boles, Douglas, and San Andres Well Fields, which are located 14 miles to the southeast.

The nearest population center is the City of Alamogordo, located approximately seven miles to the east. Regional metropolitan centers include El Paso, Texas, located 90 miles south-southwest and Las Cruces, located 70 miles southwest of the facility. The primary transportation route for the Base is Highway 70 that traverses its southern boundary in a northeasterly direction. The general location of Holloman AFB is shown on Figure B-1.

Holloman AFB was initiated as a temporary facility to provide gunnery and bomber training to aircrews during World War II. The Base mission was altered in the post-war years to the development of unmanned aircraft, guided missiles, and associated equipment. In the late 1950s, the Base was transferred to the Air Force Systems Command (**AFSC**) and designated as the Air Force Missile Development Center. On 1 January 1971, the Base mission expanded to provide lead in fighter training for the 479th Tactical Training Wing and its components.

Currently, Holloman AFB hosts the Air Combat Command (**ACC**) 49th Fighter Wing, which includes pilot training, mobility support, and combat support operations. The primary Air Force Materiel Command (**AFMC**) component located at Holloman AFB is the 46th Test Group, which is responsible for evaluation of propulsion and navigational systems for aircraft, space vehicles and missiles. A variety of tenant organizations are assigned to Holloman AFB including the 4th Space Warning Squadron, the Primate Research Laboratory, and Detachment 4 of the 50th Weather Squadron. A general layout of the facility is provided in Figure B-2.

ACC readiness requirements and Base activities necessitate the use of a variety of products to maintain and repair aircraft and aerospace ground equipment (**AGE**) as well as Base structures and roads. These items become wastes because of contamination during use, exceedance of shelf life, unanticipated deterioration, or failure to meet specifications that renders the material non-usable. Many of these wastes are also hazardous waste under the Resource Conservation and Recovery Act (**RCRA**) because they either exhibit a characteristic of ignitability, corrosivity, reactivity, or toxicity; or they meet the definition of listed waste under 40 CFR Part 261 Subpart D.

These on-site generated wastes are initially managed at waste accumulation points in accordance with the requirements specified in 20 NMAC 4.1.300 incorporating 40 CFR §262.34 and are located in the work areas where they are first generated. To facilitate disposal, most hazardous wastes are transferred by the individual producers of the wastes to the CSU operated by the Defense Re-utilization and Marketing Office (**DRMO**), which is located on Base in Building 118. The objectives of the DRMO are to market and re-sell items that are reusable or have market value and to manage the contracts for the disposal of hazardous and solid wastes that have limited or no opportunities for reuse or resale.

Container Storage (CSU) Location Information

The CSU is located on the east side of the Base, approximately 1,400 feet (**ft**) inside the eastern boundary of the Base. The street address is 241 Arkansas Avenue, Holloman AFB, and New Mexico 88330. The CSU is located on approximately 400,000 ft² of land designated for use by DRMO as shown in Figure B-3.

Seismic Standards

The CSU is located in Otero County, which is not among the political jurisdictions designated in 40 CFR §264 Appendix VI for seismic considerations; therefore, the CSU is exempt from seismic considerations.

Flood Plain Standards

The CSU is not located within the 100-year or 500-year flood plains of intermittent streams in the area. Additional information related to surface drainage patterns is provided in the next paragraph.

Topographic Map

A map showing the CSU and the surrounding area is presented in Figure B-3. The contour lines on Figure B-3 indicate that the facility is located on relatively flat terrain. The facility is also located above the 100-year flood plain boundaries. No permanent surface water of constant flow conditions is located in the area.

The map (Figure B-3) shows the CSU and surrounding land on a scale of one inch equal to 200 ft. The map also shows a distance of 1,000 ft around the CSU at a scale of 2.5 centimeters (1 inch) equal to 61.0 meters (200 ft) and shows the following, as specified by 40 CFR 270.14(b)(19):

- Map scale and date;
- Orientation of map;
- Unit boundaries; and
- Distance to nearest residential buildings, public roadways, and passenger railroad.

Surrounding Land Uses

The CSU is located within the boundaries of Holloman AFB. All lands within Holloman AFB boundaries are under the control of the U.S. Air Force. Thus, the CSU is surrounded by access-controlled federal lands for a distance of several miles in all directions. Figure B-4 shows the land use surrounding the CSU. Figure B-5 is an aerial photo that shows the distance to the nearest building and residence.

The area immediately surrounding the CSU is designated as industrial land use. No residential areas are located adjacent to the CSU. The nearest military housing is located at least 500 ft from the Container Storage Unit.

Unit Boundaries

Boundaries of the CSU and the location of operational units within the CSU (including equipment) are shown in Figure B-6.

Wind Rose

Wind roses for the last five years are provided as *Appendix B-1* to this Attachment. The wind roses show prevailing wind speed and direction.

Access Control

Access control to the CSU is provided by a six-foot high chain-link fence surrounding the defense re-utilization and marketing office (DRMO) complex. The fence is equipped with locking gates, and access is strictly controlled by DRMO personnel. The CSU can only be accessed by Base personnel during DRMO hours of operation or in an emergency. Holloman AFB personnel turning in waste to the CSU are usually accompanied by DRMO and/or 49 Civil Engineer Squadron/Environmental Flight (CES/CEV) personnel while in the CSU area. Permit Attachment E presents additional details on CSU security procedures and equipment.

Injection and Withdrawal Wells

No injection or withdrawal wells are located within the CSU's boundary or the adjacent area. The location of groundwater wells within the boundaries of Holloman AFB and the location of wells in the areas adjacent to the Base boundaries are discussed in Permit Attachment C, under the subtitle *A, Protection of Groundwater*.

STRUCTURES

Buildings

Buildings immediately surrounding the CSU are industrial shops. The nearest buildings are the DRMO Administration buildings located approximately 320 ft northwest of the CSU. Military housing units are located more than 500 ft from the CSU.

Recreation Areas

No recreation areas are located in the vicinity of the CSU.

Run-off Control Systems

The procedures for run-off control systems are addressed in Table C-1 of Permit Attachment C, under *Drainage, Run-on, and Run-off Controls*, for the staging area, covered outdoor storage area, and indoor storage building.

Container Storage Facility Access and Internal Roads

The CSU can be accessed from Arkansas Avenue through a gate on the northeast side of the CSU, which remains locked except during DRMO operating hours. From the road, vehicles entering the CSU turn onto a flat paved asphalt area. From the paved area, vehicles have access to the cement ramp leading to the staging area.

Storm, Sanitary, and Process Sewer Systems

The CSU does not discharge to a storm sewer, sanitary sewer, or process sewer.

Loading and Unloading Areas

In order to load or unload hazardous waste from the CSU, vehicles back onto the concrete ramp that enters the staging area. Vehicles back into the staging area only far enough to ensure that any spills that could occur during loading or unloading of waste would be contained in the staging area. Vehicles do not typically drive completely into the staging area because of limited space in the staging area.

Fire Control Facilities and Equipment

Detailed information on fire control facilities and equipment is included in Permit Attachment G, *Preparedness and Prevention Requirements*.

Surface Waters

Surface water flows in the vicinity of Holloman AFB are generally intermittent in nature. Permit Attachment B, *Figure B-3: Topographic Map* shows the surface water features in the area.

Flood Control

The Container Storage Unit is elevated sufficiently above the flood plain levels, making the potential for flooding virtually nonexistent. Figure B-7 is a flood plain map of the Container Storage Unit and its vicinity.

TRAFFIC INFORMATION

Traffic Patterns

Access to the CSU is provided by a paved asphalt entry that leads to the staging area ramp. Access to the paved asphalt area is provided by a paved Base road, Arkansas Avenue. Traffic along Arkansas Avenue is limited to Holloman AFB personnel and authorized visitors. Access to the CSU is controlled by a gate that is locked except during DRMO operating hours.

Access Road Surface

The road leading to the CSU entrance is a paved surface. This surface is periodically maintained to prevent the formation of holes, ditches, or other deformations that would increase the possibility that containers holding hazardous waste en route to or from the CSU could rupture or spill.

Load Bearing Capacity

The paved road and the paved asphalt area were graded and compacted to provide capacity for automobiles, light trucks, and service vehicles. The maximum amount of waste per vehicle that is moved along the paved road and asphalt area within the fence line of the CSU is approximately ten 55-gallon drums or 550 gallons.