

THE MEMPHIS DEPOT TENNESSEE

ADMINISTRATIVE RECORD COVER SHEET

AR File Number 458



U.S. Army Corps
of Engineers ®
Huntsville Center

CHEMICAL WARFARE MATERIEL REMOVAL ACTION

Former Defense Distribution Depot Memphis, Tennessee

March 2000

VAPOR CONTAINMENT STRUCTURE FACT SHEET

One safety measure being used for the excavation and removal of potential chemical warfare materiel at the former Defense Distribution Depot, Memphis, Tenn., is a vapor containment structure.

The structure is a tent-like shelter built over the excavation areas (at Memphis Depot, all excavation areas are located in Dunn Field). The structure contains and filters any chemical warfare agents that might be released during excavation.

The shelter, pre-fabricated and erected on-site, is manufactured by Sprung Instant Structures, Inc.

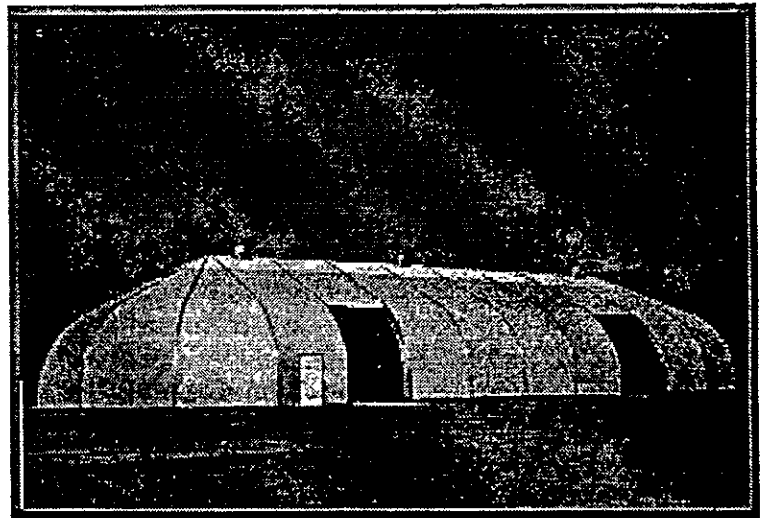
The polyester mesh/vinyl covering and aluminum-silicon alloy frame measure 70' in diameter and 32' in height, covering a 3,800 square foot area.

When closed, the vapor containment structure is sealed and a negative air pressure is created. A carbon filtration system will trap any chemical warfare materiel/agent released.

In the event the fabric covering becomes contaminated by a release, it will be disposed of as contaminated waste at the completion of the project.

The vapor containment structure has been tested and proven successful.

Combined with the necessary work exclusion zone, the structure provides an increased measure of safety and protection to the nearby community.



A vapor containment structure similar to the one shown above will be used for ALL Chemical Warfare Materiel excavations and removals at Dunn Field.

For More Information

*Chemical Warfare
Materiel Project
On-Site Coordinator
Clyde Hunt (primary)
(901) 544-3115
Elizabeth Bowman
(901-544-0761*

*Huntsville Center Public Affairs
Office
(256) 895-1690
<http://www.hnd.usace.army.mil>*

*Depot Community Relations
Ms. Alma Black Moore
(901) 544-0613*

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE