



Operation *Swift Solution*: Chemical Agent Transfer System

During Operation Swift Solution, the Assembled Chemical Weapons Alternatives (ACWA) program will bring in a team from the U.S. Army Edgewood Chemical Biological Center to eliminate three steel containers at the Blue Grass Army Depot that are showing signs of corrosion. A technology known as the Chemical Agent Transfer System, or CHATS, will be used to drain and neutralize the combination of GB, GB breakdown products and decontamination of fluids in the containers.

Specifically, each steel container will be partially inserted into the CHATS and sealed to prevent the release of any contamination. The containers will be drained and contents will be transferred into neutralization reactors. Once empty, the containers will be decontaminated, cut in two and recycled.

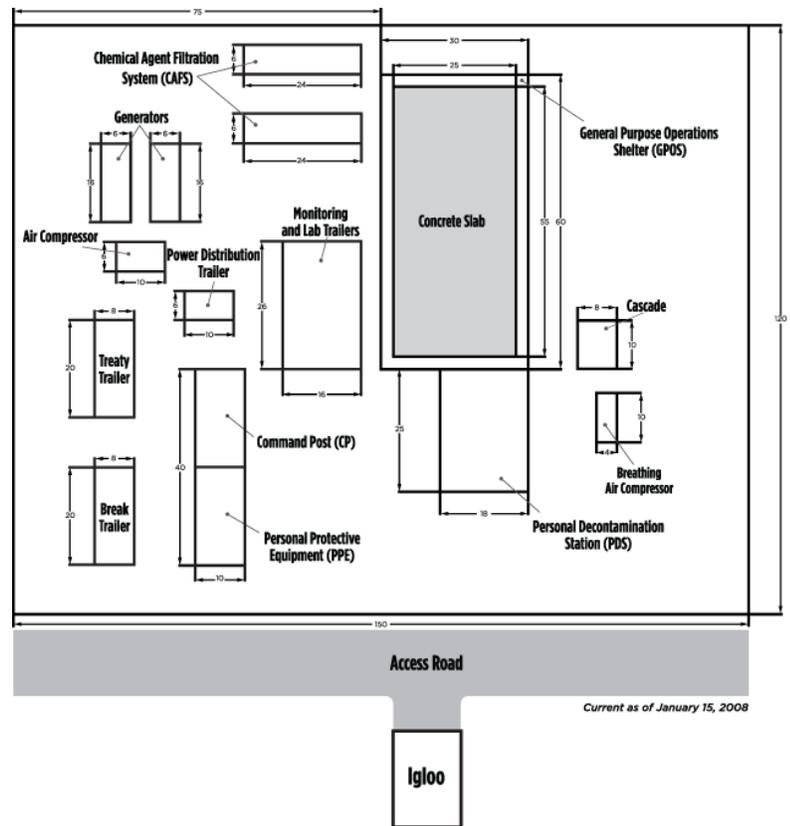
Since it was developed, CHATS has successfully destroyed the contents of more than 2,000 steel containers. A CHATS diagram and a description of its key structures are below.

Monitoring Shed: As part of the Monitoring and Lab Trailers, the shed will employ near real time detectors (MINICAMTM) to detect the presence of agent in the workspace air prior to exiting the filters. The MINICAMTM will automatically conduct an analysis and report every six minutes.

Chemical Agent Filtration System: Two units will be used – one that will filter air from the CHATS and one that will filter air from the general purpose operations shelter. Each will consist of multiple carbon filters along with HEPA filtration to remove chemicals and particulates from the air.

Mobile Analytical Platform: As part of the Monitoring and Lab Trailers, this laboratory contains analytical equipment to allow chemists to conduct tests that will verify the destruction of the chemical agent.

General Purpose Operations Shelter: This multi-purpose shelter, which is 60 feet long and 30 feet wide, will house the CHATS and will be under negative pressure.



A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION

FOR MORE INFORMATION:

Call the Blue Grass Chemical Agent-Destruction Pilot Plant Public Affairs Office at (859) 624-6326 or visit www.pmacwa.army.mil.

