Anniston Chemical Weapons Disposal Facility

Anniston, AL

SPIRTAS WRECKING COMPANY

Commercial & Industrial Demolition & Facility Decommissioning Contractors Since 1954

The Anniston Chemical Weapons Disposal Facility was constructed facility the destruction of a portion of the United States' chemical weapons stockpile.

The Munitions Demilitarization Building (MDB) was a heavily-reinforced concrete structure that housed the munitions disassembly plant as well as three separate specialty furnaces for the processing of liquid chemical agent, munitions propellants and dispersants, and metal parts. The MDB included supporting filtration assemblies, cooler systems, and emergency generator stations.

The Pollution Abatement System (PAS) was a tall steel structure that provided afterburner and scrubber/neutralization capacity to the furnaces. It included a separate quenching and scrubbing system for each furnace.

SWC completed the demolition of the MBD and PAS following the plant's decommissioning. SWC completed the demolition of the PAS utilizing sequential demolition of steel-framed assemblies deploying demolition-shear-fitted hydraulic excavators, with the select use of planned cable-pull actuated falls of certain assemblies. The concrete MDB, and all foundations, were removed and processed with hydraulic excavators fitted with hammer and pulverizer attachments. Foundation removal included handling of sub-grade concrete assemblies up to approximately 16 feet deep.

Client:	**URS - Washington Government Environmental Services Company , LLC**
Contact:	**S. Cori Condor**
	(256) 238-1652 x228
Location:	**Anniston, AL**
Project Value:	**$7,083,389.00**
Completion Date:	**April 2014**

Overall, approximately 9,000 tons of mixed ferrous and non-ferrous metal were processed and recovered for scrap sale, and approximately 46,500 tons of concrete and other construction waste were disposed according to contractual requirements. The site was backfilled and finished with gravel surfacing to specification. The project included separation of the MBD from an adjacent structure, and restoration of that other structure's exterior enclosure to allow for repurposing of that building by the Army Depot.

SWC's was contractually responsible for developing and instituting a project-specific Behavioral Based Safety (BBS) program for the project, which included the involvement of both SWC's in-house resident crew and personnel from all subcontractors. The BBS program included site orientation and scheduled modular training for crew members in specific tasks and plans throughout the duration of the project.