

GEORGE MARTIN

GAS PLANT DDI & DEMOLITION



Project Description

USA Environment, LP (USA) was contracted for the de-oiling, de-energizing, and isolation of a gas plant in Marshall, TX. Site Activities included above and below grade demolition, concrete removal, scrap recycling, asbestos abatement, and NORM surveying and waste removal.

USA isolated and de-gassed each vessel prior to evacuating the contents. Dimensional cleaning was performed using a high volume liquid circulation unit with 2D, 3D, and fire hose nozzles. At the conclusion of the flushing/cleaning each pipe run, equipment piece, or vessel it was surveyed for NORM clearance. The vessels' contents were transferred into vacuum boxes and drums.

Approximately 310,000 pounds of NORM impacted material was safely handled, transported and disposed of. To eliminate the need for scaffolding or other elevated work, USA used a 200 ton crane and rigging equipment to lower the tower and flare stacks and place them horizontally on elevated cribbing. This enabled safe asbestos abatement, which was performed with wet methods, and in accordance with TDHS requirements.

Prior to any above grade demolition, USA preformed a detailed inventory of the buildings, tanks, and other structures for universal wastes. These items were packaged, profiled, and manifested to the appropriate disposal and recycling facilities.

Once the area and structures were cleaned and isolated, demolition activities began. Demolition was typically performed using a hydraulic excavator with a thumb attachment and a shear. Due to the brittle nature of the buildings, demolition typically involved undercutting from a distance with the excavator and allowing gravity to bring down the overlying mass.

Below grade demolition was performed on all piping, equipment and structures to a depth of 12 inches. All concrete slabs were also removed to a depth of 12 inches.

Completed: October 2010

