

# Geophysical Survey and Investigation of Load Lines 3 & 4, Cornhusker Army Ammunition Plant

## PROJECT HIGHLIGHTS

- *Water Supply Line Testing*
- *Soil Screening for Explosives*
- *Geophysical Survey / Anomaly Investigation*
- *Industrial and Sanitary Sewer Removal*
- *Utilized PDA's for Electronic Field Data Management.*
- *Project Information Stored on PIKA's Client Portal,*
- *PIKA Provided Onsite Quality Control Testing for All Field Activities, and Provided Knowledgeable QA/QC Throughout This Process.*

### CORNHUSKER ARMY AMMUNITION PLANT (CHAAP)

CHAAP previously occupied approximately 12,000 acres and is located in south central Nebraska near the city of Grand Island in Hall County, Nebraska. CHAAP consists of five main components: five, major load, assemble and package production areas (LLs 1-5); a fertilizer manufacturer; two major explosive magazine storage areas; a sanitary landfill; and a burning ground where explosive contaminated materials were ignited. The plant was operated intermittently over a period of 30+ years from 1942 – 1974 and has remained inactive since 1974. The facility maintenance contract that was in place to maintain facility readiness was terminated in 1990 following the facility's addition to the property excess list. Currently, activities at CHAAP are limited to the leasing of property for agriculture, leasing of buildings for storage and limited manufacturing, wildlife management, and minor maintenance of the grounds, roads and leased facilities. The area surrounding CHAAP is primarily rural and agricultural.



- Industrial and Sanitary Sewer Removal Operations on LL4
- Reduced Potential Safety Risks associated with MEC by utilizing UXO Personnel Resources to perform Visual Surface Sweeps



- LL4 Anomaly Investigation / QC
- Performed Sub-Surface Anomaly Investigation of 100-Foot by 100-Foot Grids to a Depth of 4 Feet
- Provided Onsite Quality Control Testing for all Field Activities, and provided Knowledgeable QA/QC throughout this Process

- Collected Geophysical Data in the Staging Area Grids in LL3 using EM61
- Provided UXO Escort Services for Geophysical Survey Personnel
- Prepared Work Plans and an Explosive Safety Submittal for Review and Approval by the DDESB



- Heavy Equipment Operations for Water Line Testing on LL4
- Performed Explosive Soils Sampling and Excavation of the Subsurface Anomalies Reflected in the Geophysical Survey Report

