ADDENDUM TO WORK PLAN
CSSA SITE INVESTIGATIONS DY01
GEOPHYSICAL SURVEYS FOR SWMU B-20 AND B-24

Parsons is currently under contract to provide investigations at former solid waste management units (SWMU) and areas of concern (AOC) at Camp Stanley Storage Activity (CSSA), Boerne, Texas. A Work Plan and addenda have been prepared for similar activities under the scope of work in effect for DY01 (Work Plan, Contract No. DACA87-02-D-0005, Task Order (TO) DY01, Parsons 2007). This work plan addendum provides description of additional activities to be conducted for SWMU B-20 and B-24. The work shall be performed in accordance with requirements of the Resource Conservation and Recovery Act (RCRA) 3008(h) Order in effect for CSSA and in accordance with 30 Texas Administrative Code (30 TAC) §350, the Texas Risk Reduction Program (TRRP). Activities to be conducted will follow the provisions of prior work plans in effect and available for review in the CSSA Environmental Encyclopedia, Volume 1, Work Plans.

Geophysical surveys will be performed to evaluate the presence of munitions and explosives of concern (MEC) in the subsurface at sites SWMU B-20 and SWMU B-24 (Figure 1). Background information on the sites referenced can be found in Volume 3-1 of the CSSA Environmental Encyclopedia. Additional specific activities associated with these removal actions are described in the Resource Conservation and Recovery Act (RCRA) Facility Investigations (RFI) Interim Measures Waste Management Plan (Parsons 2006).

Geophysical Surveys of SWMU B-20 and SWMU B-24

This work will be conducted under Subtask 02003, North Pasture Site Investigations of SWMU B-20 and SWMU B-24. SWMU B-20 (including SWMU B-21) is an approximately 35 acre site with extensive previous investigations and some UXO clearance conducted. SWMU B-24 is an approximately 6 acre site which has also been previously investigated, with some UXO clearance. Under this work plan addendum, Parsons will perform investigation and characterization of SWMU B-20/21 and SWMU B-24 by geophysical surveys. These geophysical surveys will be conducted in April/May of 2009. The schedule of field work will be coordinated through the CSSA ENV office to avoid conflicts with the East Pasture range schedule.

UXO avoidance will be provided prior to and during the geophysical surveys. The UXO avoidance will include a visual survey by a qualified UXO technician for surface ordnance and/or a Schonstedt magnetometer survey of working areas to verify the site surface is free of suspected MEC or MD prior to the commencing activities. The areas requiring Schonstedt magnetometer surface surveys will be determined by a qualified UXO technician. Mowing of selected areas will be required prior to beginning survey work. All personnel involved with field work aspects of this project are required to coordinate with CSSA Safety Officer and complete the CSSA UXO Avoidance training. Parsons will perform a limited geophysical survey prove-out to be performed on test items for instrument calibration and line spacing. The test items selected will be ordnance items considered likely to be encountered within the survey area, based on the site history and ordnance items found at SWMU B-20 and B-24 in the past. A qualified UXO technician will walk the investigation areas with appropriate equipment to inspect the site for potential explosive safety hazards and discarded ordnance materials. The technician will flag any potential hazards for the investigation team to avoid. The team will conduct the survey in

transects across the investigation areas. The data for each transect will be mapped and any areas with geophysical anomalies identified will be proposed for additional investigation (trenching) to be funded under a future project.

Digital geophysical mapping (DGM) will be performed using an EM-61 and Global Positioning System equipment to identify subsurface anomalies. The proposed strategy will incorporate approximately 42 acres of geophysical investigations anticipated to be conducted in either grids or transects within SWMU B-20 and SWMU B-24.

Geophysical data will be processed using industry standard preprocessing software and Geosoft's Oasis Montaj processing environment for data analysis. The site geophysicist will use standard data processing methods, including latency corrections, leveling with a de-median filter, gridding, and anomaly selection using an automated peak picking algorithm to generate a report providing the list of anomalies to be intrusively investigated in a future project.

Demolition of MEC

In accordance with the current version of the DY01 Health and Safety Plan (HASP), should any suspected unexploded ordnance (UXO) be found during field activities during this project, Parsons personnel will leave the item in place and immediately contact Security (210-295-7408 or 210-698-1747). Security will then make the notifications to the Operational Support Division (John Ferguson, Roland Abney, or Paul Doherty) and others following their guidelines. After the initial notification to Security is made, Parsons will contact Glaré Sanchez (210-698-5208 / 210-662-3718 / 210-336-1266) to report the item. Fort Sam Houston, or other identified team, will be responsible for assessing the item and rendering the material inert, destroying, recycling, and disposing of any UXO item(s). If during the Contractor's geophysical surveys, the UXO team uncovers MEC, notifications will be conducted in accordance with the HASP. Demolition activities will be coordinated by the CSSA Operational Support Division and actual demolition will be conducted by personnel from the explosives and ordnance disposal teams from Fort Sam Houston or other teams from nearby facilities.

Reporting

The Contractor shall prepare a summary report presenting the investigation findings to summarize the geophysical surveys at SWMU B-20 and B-24. The report shall summarize the results of the geophysical surveys and identify a representative number of anomalies within SWMU B-20 and B-24 to be recommended for additional intrusive investigation during a future project.