

AFFECTED PROPERTY ASSESSMENT REPORT

SOLID WASTE MANAGEMENT UNIT B-2 CAMP STANLEY STORAGE ACTIVITY



Prepared for:
Camp Stanley Storage Activity
Boerne, Texas

Prepared by:
PARSONS
Austin, Texas

June 2020

Project Overview

Historical munitions and explosives of concern (MEC) and munitions debris (MD) have been discovered throughout Camp Stanley Storage Activity (CSSA). Many of these discoveries were associated with disposal activities, rather than live-fire training activities. Four munitions-related sites, SWMUs B-2, B-8, B-20/21, and B-24 are located in the North Pasture. The North Pasture encompasses approximately 876 acres in the northeast portion of CSSA's Outer Cantonment (Figure 1A-1). In 2012, these four sites were grouped with Range Management Unit 1 (RMU-1) as they are within or partially within the active firing range ricochet area (USEPA, 2012). These sites with potential MC remaining in soil were to be addressed under a separate investigation when the range is no longer active.

SWMU B-2 is a 2.6-acre site located in the southwest portion of the North Pasture. Historical records indicate the site was a munitions waste disposal area that consisted of two clearly identifiable trenches, and a third area of waste disposal to the immediate north of the two linear trenches. The presence of the trenches was confirmed during a field investigation.

Previous investigations performed at SWMU B-2 included a geophysical survey (Parsons, 1995a), soil borings (Parsons, 1995b), a soil gas survey (Parsons, 1996a), an unexploded ordnance (UXO) survey with associated excavations (Parsons, 2002a), the excavation of contaminated media and soil from the trenches in May 2004, and additional soil sampling and localized excavation in March 2008. Surface soil and X-ray fluorescence (XRF) sampling was conducted in 2010 to further delineate the horizontal extent of munitions constituent (MC) related soil contamination.

In 2019, CSSA secured funding to investigate sites with historical soil contamination that are not yet closed under Texas Commission on Environmental Quality (TCEQ) rules. SWMU B-2 was identified as a candidate for closure for MC contamination in soil. Much of the site is outside the active range ricochet area and therefore, contamination from range activities is expected to be insignificant and is not expected to impact SWMU B-2 in the future. Geophysical surface sweeps will be conducted to address any remaining MD at SWMU B-2 and other sites adjacent to the ricochet area following range closure.

Affected Property Assessment Report

Regulatory Citation

30 TAC §350.91

Abbreviations and Acronyms

APAR – Affected Property Assessment Report
BFZ – Balcones Fault Zone
bgs – feet below ground surface
CAPMs – Corrective Action Project Managers
COCs – contaminants of concern
CSSA – Camp Stanley Storage Activity
DNT – dinitrotoluene
ERA – Ecological Risk Assessment
FSP – Field Sampling Plan
GCWA – Golden-Cheeked Warbler
GWBU – groundwater-bearing unit
HCSM – Hydrogeologic Conceptual Site Model
LDCP – laboratory data package cover page
LEL – Lower Explosive Limit
LGR – Lower Glen Rose
MC – munitions constituents
MD – munitions debris
MEC – munitions and explosives of concern
mg/kg – milligrams per kilogram
MQL – method quantitation limit
NAPL – non-aqueous phase liquid
NOR – notice of registration
PCLE – protective concentration level exceedance
PCLs – Protective Concentration Limits
QAPP – Quality Assurance Project Plan

RAL – Residential Assessment Level
RBELs – risk-based exposure limit
RCASs – Registered Corrective Action Specialists
RCRA – Resource Conservation and Recovery Act
RFI – RCRA Facility Investigation
SAM – soil attenuation model
SLERA – Screening Level Ecological Risk Assessment
SSERA – Site-Specific Ecological Risk Assessment
SVOCs – semivolatile organic compounds
SWMU – Solid Waste Management Unit
TAC – Texas Administrative Code
TCEQ – Texas Commission on Environmental Quality
TPH – total petroleum hydrocarbon
TRRP – Texas Risk Reduction Program
TSCA – Toxic Substances Control Act
UCL – Upper Confidence Limit
UGR – Upper Glen Rose
USEPA – U.S. Environmental Protection Agency
USGS – U.S. Geological Survey
UTL – Upper Tolerance Limit
UXO – unexploded ordnance
VOCs – volatile organic compounds
XRF – X-ray fluorescence

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	Check if included
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Cover Page

Program ID No. (primary): None assigned Report date: June 1, 2020
 TCEQ Region No.: 13 MSD Certificate No.: _____
 Additional Program ID Numbers.: _____ SWR/Facility ID No.: 69026 PST Facility ID No.: N/A
 DCRP ID No.: N/A VCP ID No.: N/A LPST ID No.: N/A
 MSW Tracking No.: N/A HW Permit/CP No.: N/A Enforcement ID No.: N/A
 Other ID Nos.: U.S. Environmental Protection Agency (USEPA) Facility Identification No. TX2210020739

Reason for submittal (check all that apply):
 Initial submittal
 Revision
 Notice of Deficiency Letter
 Permit/Compliance Plan
 Voluntary response
 Enforcement/Agreed order
 Directive/NOV letter
 Other: _____

On-Site Property Information

On-Site Property (Facility) Name: Camp Stanley Storage Activity, Solid Waste Management Unit B-2
 Street no. 25800 Pre dir: _____ Street name: Ralph Fair Street type: Road Post dir: _____
 City: Boerne County: Bexar County Code 15 Zip: 78015
 Nearest street intersection and location description: CSSA main entrance located 1/2 mile east of intersection of Ralph Fair Road and Interstate Highway 10
 Latitude: Decimal Degrees (indicate one) North 29.713742
 Longitude: Decimal Degrees (indicate one) West -98.614312

Contact Person for On-Site Property Information and Acknowledgment

Company Name or Person: U.S. Army Camp Stanley Storage Activity
 Contact Name: Mr. Glenn Moore Title: Installation Manager
 Mailing Address: 25800 Ralph Fair Road
 City: Boerne State: TX Zip: 78015 Phone: (210) 295-7416
 Email: Thomas.G.Moore.civ@mail.mil Fax: (210) 295-7386
 Person is: Property Owner Property Manager Potential Purchaser Tenant Operator
 other Installation Manager

By my signature below, I acknowledge the requirement of §350.2(a) that no person shall submit information to the executive director or to parties who are required to be provided information under this chapter which they know or reasonably should have known to be false or intentionally misleading, or fail to submit available information which is critical to the understanding of the matter at hand or to the basis of critical decisions which reasonably would have been influenced by that information. Violation of this rule may subject a person to the imposition of administrative, civil, or criminal penalties.

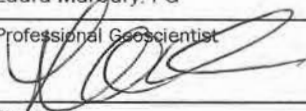
Signature of Person: *Mr. Glenn Moore* Name (print): T. Glenn Moore Date: 10/29/20

Consultant Contact Person

Consultant Company Name: Parsons
 Contact Person: Julie Burdey, P.G. Title: Project Manager
 Mailing Address: 9101 Burnet Rd, Ste 210
 City: Austin State: TX Zip: 78758
 Phone: (512) 719-6062 Fax: (512) 719-6099 E-mail address: julie.burdey@parsons.com

Professional Signatures and Seals

Professional Geoscientist

Laura Marbury, PG	992	June 30, 2020
Professional Geoscientist	Geoscientist License Number	Expiration date
	Date	
(512) 719-6855	(512) 719-6099	laura.arciniaga@parsons.com
Telephone number	FAX number	E-mail

Professional Engineer

Professional Engineer	P.E. License number	Expiration date
Signature	Date	
Telephone number	FAX number	E-mail

Registered Corrective Action Specialists (RCASs) and Corrective Action Project Managers (CAPMs)

For LPST sites only.

Registered Corrective Action Specialist	RCAS Registration number	Expiration date
Signature	Date	
Corrective Action Project Manager	CAPM Registration number	Expiration date
Signature	Date	
Telephone number	FAX number	E-mail

Seals, as applicable:



Executive Summary

Environmental Media	Actual or Probable Exposures On-Site?		Actual or Probable Exposures Off-Site?		Have notifications for actual or probable exposures been completed? (§350.55(e))		
	Yes	No	Yes	No	Yes	No	N/A
Soil	✓			✓			✓
Groundwater		✓		✓			✓
Sediment		✓		✓			✓
Surface Water		✓		✓			✓

Is there, or has there been, an affected or potentially affected water well? Yes No

If yes, what is the well used for? _____

Actual land use: On-site: Res C/I Off-site affected property: Res C/I N/A

Land use for critical PCL determination: On-site: Res C/I Off-site affected property: Res C/I N/A

Did the affected property pass the Tier 1 ecological exclusion criteria checklist? Yes No

Affected groundwater-bearing unit(s) (in order from depth below ground surface), or uppermost groundwater-bearing unit if none affected

Unit No.	Name	Depth below ground surface (ft)	Resource Classification (1, 2, or 3)
1	Upper Glen Rose	Estimated at 50 feet below ground surface	3
2			
3			

Assessment

Environmental Media	Assessment Levels Exceeded?						Affected property defined to RAL?			Is COC extent stable or expanding?	General classes of COCs (VOCs, SVOCs, metals, etc.)
	On-Site?			Off-Site?			Yes	No	N/A		
	Yes	No	Not sampled	Yes	No	Not sampled					
Soil	Surface		✓			✓			✓	Stable	Metals
	Subsurface		✓			✓			✓	Stable	Metals
Groundwater		✓				✓			✓	N/A	N/A
Sediment			✓			✓			✓	N/A	N/A
Surface Water			✓			✓			✓	N/A	N/A

NAPL Occurrence Matrix

	NAPL Occurrence		Description
	✓		
NAPL in vadose zone	✓	No NAPL in vadose zone	There is no direct or indirect evidence of NAPL in the vadose zone
		NAPL in/on soil	NAPL detected in or on unsaturated, unconsolidated clay-, silt-, sand-, and/or gravel-dominated soils
		NAPL in fractured clay	NAPL detected in fractures of unsaturated fine-grained soils
		NAPL in fractured or porous rock	NAPL detected in unsaturated lithologic material
		NAPL in karst	NAPL detected in karst environment
NAPL at capillary fringe	✓	No NAPL at capillary fringe	There is no direct or indirect evidence of NAPL at the capillary fringe
		NAPL at capillary fringe	NAPL detected at vadose-saturated zone transition, capillary fringe (in contact with water table)
NAPL in saturated zone	✓	No NAPL in saturated zone	There is no direct or indirect evidence of NAPL in the saturated zone
		NAPL in soil	NAPL detected in saturated unconsolidated clay-, silt-, sand-, and/or gravel-dominated soils
		NAPL in fractured clay	NAPL detected in fractures of saturated fine-grained soil or other double-porosity sediments
		NAPL in saturated fractured or porous rock	NAPL detected in saturated lithologic material
		NAPL in saturated karst	NAPL detected in karst environment within the saturated zone
NAPL in surface water or sediment	✓	No NAPL in surface water or sediment	There is no direct or indirect evidence of NAPL in surface water or sediments
		NAPL in surface water	NAPL detected in surface water at exceedance concentration levels or visual observation
		NAPL in sediments	NAPL detected in sediments at exceedance concentration levels or visual observation via migration pathway or a direct release

Remedy Decision

Environmental Media		Critical PCL exceeded on-site?			Critical PCL exceeded off-site?			PCLE zones defined?			General class (VOCs, SVOCs, metals, etc.) of COCs requiring remedy
		Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Soil	Surface		✓			✓				✓	None
	Subsurface		✓			✓				✓	None
Groundwater				✓			✓			✓	N/A
Sediment				✓			✓			✓	N/A
Surface Water				✓			✓			✓	N/A

NAPL Triggers

NAPL Response Action Triggers		Description of Triggers
✓	No NAPL response action triggers	No NAPL triggers have been observed in any assessment zones (vadose, capillary fringe and saturated), nor in surface water or sediments
	NAPL vapor accumulation is explosive	NAPL vapors accumulate in buildings, utility and other conduits, other existing structures, or within anticipated construction areas at levels that are potentially explosive ($\geq 25\%$ LEL)
	NAPL zone expanding	NAPL zone is observed to be expanding using time-series data
	Mobile NAPL in vadose zone	NAPL zone is observably mobile, or is theoretically mobile based on COC concentrations and residual saturation
	NAPL creating an aesthetic impact or causing nuisance condition	NAPL is responsible for objectionable characteristics (e.g., taste, odor, color, etc.) resulting in making a natural resource or soil unfit for intended use
	NAPL in contact with Class 1 groundwater	NAPL has come in actual contact with saturated zone or capillary fringe of a Class 1 GWBU
	NAPL in contact with Class 2 or 3 groundwater	NAPL has come in actual contact with saturated zone or capillary fringe of a Class 2 or Class 3 GWBU
	NAPL in contact with surface water	Liquid containing COC concentrations that exceed the aqueous solubility in contact with surface water via various migration pathways or direct release to surface water
	NAPL in or on sediments	Liquid containing COC concentrations that exceed the aqueous solubility impact surface water sediments via migration pathway or a direct release

Conclusions and Recommendations

Assessment Results

The affected property assessment performed at Solid Waste Management Unit 2 (SWMU B-2) at Camp Stanley Storage Activity (CSSA) confirmed that a series of excavations removed all affected media from the former disposal trenches and soil within the SWMU B-2 boundary. Delineation of contaminants of concern (COCs) was accomplished to critical Protective Concentration Levels (PCLs).

All COCs other than those listed in the following tables were either not detected or were detected at concentrations below their respective Residential Assessment Level (RAL). A Tier 2 PCL for the soil-to-groundwater exposure pathway (^{GW}Soil_{ing}) was derived for lead which had concentrations exceeding the Tier 1 ^{GW}Soil_{ing} PCL, and a Tier 2 ecological PCL was derived for zinc which had concentrations exceeding the Tier 1 ecological benchmark value. Residual COC concentrations at SWMU B-2 do not exceed critical human health or ecological Tier 1 or 2 PCLs and so no PCL exceedance zone exists at the site. Maximum COC concentrations remaining in place at SWMU B-2 are summarized in the tables below.

COC Concentrations in Surface Soil at SWMU B-2 Camp Stanley Storage Activity Boerne, TX			
COC	Maximum Concentration Prior to Excavation (year sampled) (mg/kg)	Maximum or Representative Concentration Remaining in Soil ^{a/} (mg/kg)	Residential Assessment Level (mg/kg)
Barium		185	300
Cadmium	2.43 M (2004)	2.43 M	3
Chromium, Total	25.7 (2004)	25.7	40.2
Copper	15.7 J (2010)	15.7 J	70
Lead	10, 351 (2005)	373.26 M	500
Nickel	16.13 (2004)	16.13	79
Zinc	390.9 (2010)	121.4	155.8

^{a/} A representative concentration (95% Upper Confidence Limit) was calculated for zinc only. J = the detected concentration was above the detection limit and below the reporting limit; M = a matrix effect was present; mg/kg = milligrams per kilogram

COC Concentrations in Subsurface Soil at SWMU B-2 Camp Stanley Storage Activity Boerne, TX		
COC	Maximum Concentration Remaining in Soil ^{a/} (mg/kg)	Residential Assessment Level (mg/kg)
Cadmium	1.5 B	3
Chromium, Total	9.3 F	1200
Lead	48.49 M	84.5
Nickel	7.14 J	79

^{a/} B = detected in laboratory blank sample; F and J = the detected concentration was above the MDL and below the RL; M = a matrix effect was present; mg/kg = milligrams per kilogram

NAPL Discussion

No non-aqueous phase liquid (NAPL) was encountered at SWMU B-2.

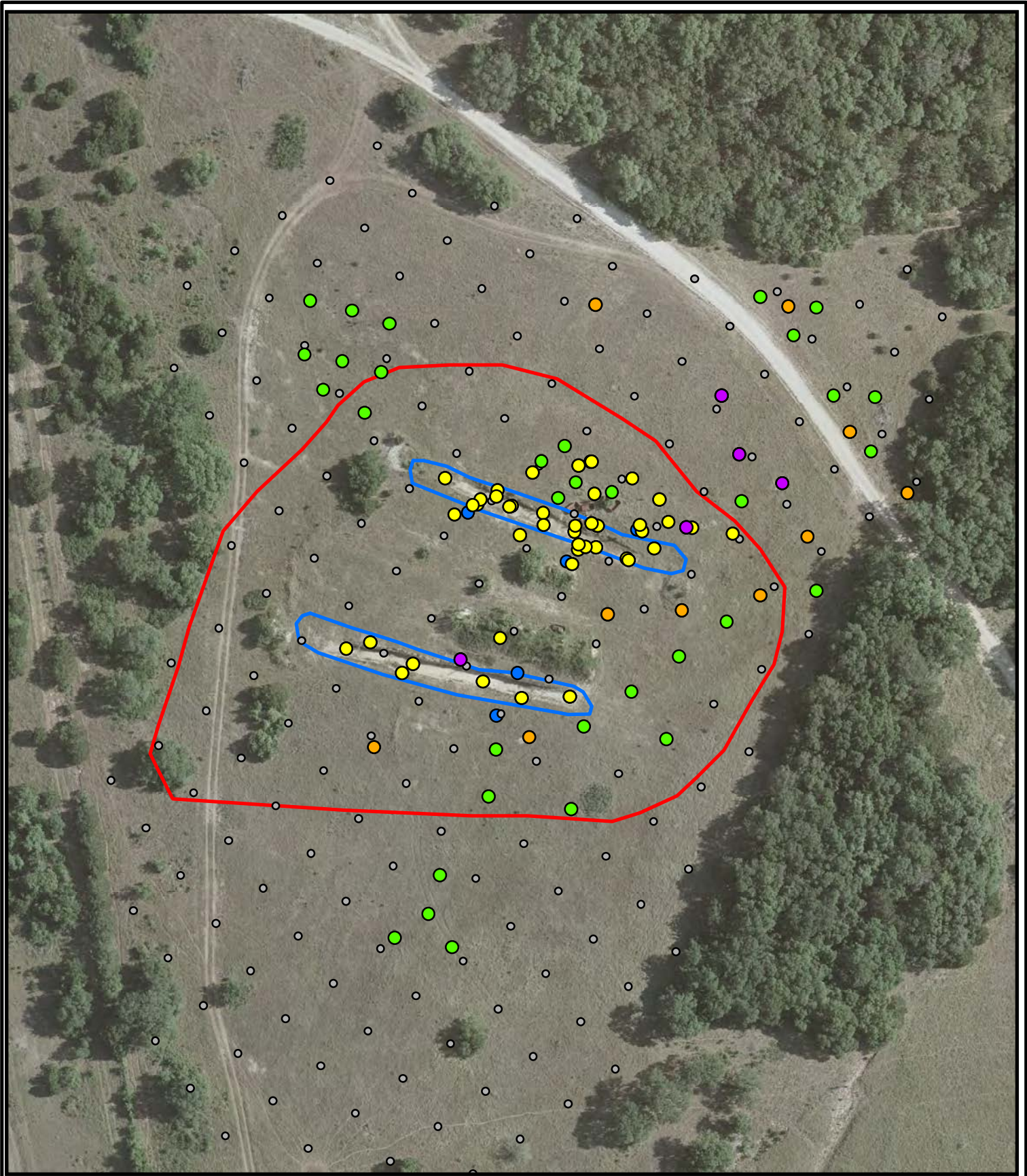
Response Actions and Recommendations

All residual or representative COC concentrations were reported within CSSA background levels or below Tier 1 or calculated Tier 2 PCLs following completion of excavation and removal activities at the site. Therefore, an affected property does not exist at SWMU B-2 and no additional remedial response is necessary.

Much of the site is outside the active range ricochet area and therefore, contamination from range activities is expected to be insignificant and is not expected to impact SWMU B-2 in the future. Geophysical surface sweeps will be conducted to address any remaining MD at SWMU B-2 and other sites outside the ricochet area following range closure.

Figure A - Affected Property and PCLE Zone Map

Figure A shows sampling locations at SWMU B-2. No affected media remain so no affected property or PCL Exceedance (PCLE) Zone exists at SWMU B-2.



Aerial Photo Date: 2013

- Approximate Trench Location
- SWMU B-2 Site Boundary

Soil Sample Locations

- 1995
- 2004
- 2005
- 2008
- 2010
- 2010 XRF Location



Figure A

SWMU B-2
Affected Property Map
Camp Stanley Storage Activity

PARSONS

Chronology

Year	Action/Results
1954	<ul style="list-style-type: none"> • Small arms ammunition burned in two trenches on the site.
1978	<ul style="list-style-type: none"> • First indication of trenches at SWMU B-2 visible on aerial photo.
1992	<ul style="list-style-type: none"> • Reviewed available records at CSSA during preliminary evaluation for groundwater contamination
1993	<ul style="list-style-type: none"> • Environmental Assessment completed for
1995	<ul style="list-style-type: none"> • Performed electromagnetic geophysical survey and identified five geophysical anomalies. • Performed ground-penetrating radar survey that provided vague indication of ground disturbance where electromagnetics clearly identified those disturbances. • Drilled five soil borings (SB01-SB05) and collected soil/rock samples for analysis of metals, VOCs, and SVOCs. Collected groundwater grab samples from water that flowed into SB03 and SB05 following drilling. Results are summarized in the RFI Report (Parsons, 2002a). • Performed soil gas survey that found PCE at concentrations of less than 1 ug/L in samples.
1997	<ul style="list-style-type: none"> • Excavated two trenches to look for potential MEC. No MEC identified but some munitions debris (MD) was found.
2002	<ul style="list-style-type: none"> • RFI Report submitted, recommending additional stockpile sampling (Parsons, 2002a).
2003	<ul style="list-style-type: none"> • Initiated sampling and excavation activities in September as recommended by the RFI Report.
2004	<ul style="list-style-type: none"> • Collected 21 soil samples in January for analysis of metals, select VOCs, and explosives to confirm excavation of soil that exceeded background during the 1995 RFI sampling. • Excavated approximately 3000 cubic yards of soil from the surface and trenches in May and June. Removed MD items, collected 7 sidewall samples and 3 bottom samples for lead only. Excavated soils hauled out to Covel Gardens and backfilling of trenches. • Excavated areas where previous samples came back above background in November. Collected confirmation, surface soil, and stockpile samples for analysis of metals and explosives. • Collected 8 additional site characterization surface soil samples in December for analysis of metals and explosives.
2005	<ul style="list-style-type: none"> • Collected 13 additional site characterization samples for analysis of lead only.
2008	<ul style="list-style-type: none"> • Excavated five 2004/2005 sample locations that exceeded background for lead and collected confirmation samples in their place.
2010	<ul style="list-style-type: none"> • Performed x-ray fluorescence (XRF) analysis at the site to determine the extent of metals in surface soils. Analysis performed on several soil samples to determine the correlation between XRF and laboratory results showed good correlation for lead and zinc. • Excavated one location that exceeded the reporting limit for 1,2-DNT in 2004 and collected 35 surface soil samples for analysis of metals.

Specialized Submittals Checklist

_____ Check here if no specialized submittals in this report

	If included, specify section or appendix
Ecological Risk Assessment	
Reasoned justification, expedited stream evaluation, Tier 2 or 3 ecological risk assessment, and/or proposal for ecological services analysis	Section 9, Appendix 9
Statistics	
Calculated site-specific background concentrations	Appendix 8
Used alternate statistical methods to determine proxy values for non-detected results (§350.51(n))	
Calculated representative concentrations (§350.79(2)) for remedy decision	Appendix 8
Analytical Issues	
Used SQL for assessment or critical PCL instead of the MQL (§350.51(d)(1)) or PCL (§350.79)	
The MQL of the analytical method exceeds assessment levels/critical PCLs (§350.54(e)(3))	
Human Health/Toxicology	
Variance to exposure factors approved by TCEQ Executive Director ¹ (§350.74(j)(2))	
Developed PCLs based on alternate exposure areas	
Evaluated non-standard exposure pathway (e.g., agricultural, contact recreation, etc.)	
Combined exposure pathways across media for simultaneously exposed populations (§350.71(j))	
Adjusted PCLs due to residual saturation, cumulative risk, hazard index, aesthetic concerns, or theoretical soil vapor	
Utilized non-default human health RBELs to calculate PCLs (includes use of non-default parameters, toxicity factors not published in rule, etc.) (§350.51(l), §350.73, §350.74)	
Calculated Tier 2 or 3 RBELs/PCLs or TSCA levels for polychlorinated biphenyls, or calculated Tier 2 or 3 RBELs/PCLs for cadmium, lead, dibenzo-p-dioxins, dibenzofurans, and/or polycyclic aromatic hydrocarbons	
Calculated Tier 1, 2, or 3 total petroleum hydrocarbon (TPH) PCLs	
Developed sediment/surface water human health RBELs and PCLs	
Fate and Transport	
Used or developed groundwater to surface water dilution factors	
Calculated Tier 2 PCL	Appendix 9
Calculated Tier 3 PCL	
Groundwater Issues	
Conducted aquifer test, classified Class 3 groundwater, or determined non-groundwater bearing unit (saturated soil)	

¹ Prior approval by Executive Director is required.

Section 1 Property Information

This section describes the environmental setting, the geology/hydrogeology, general operational history, the affected property, and sources of releases at SWMU B-2.

Section 1.2 Physical Location

Property Location and Land Use

CSSA is located in northwestern Bexar County, about 19 miles northwest of downtown San Antonio. The installation consists of approximately 4,004 acres immediately east of Ralph Fair Road, and approximately 0.5 mile east of Interstate Highway 10 (**Figure 1A-1**).

SWMU B-2 is approximately 2.6 acres in size and is located in the south-central portion of the North Pasture area of CSSA, as shown on **Figure 1A-2**. The site is relatively flat and open with sparse native grasses and occasional small native trees and brush. There are no buildings located on the site and no activities take place within the site boundary. It is located approximately 3,600 feet from the closest boundary of CSSA (to the northwest).

Topography

This site is located on the southwestern slope of a southwest trending topographic lobe (see **Figure 2C**). The average ground surface elevation at SWMU B-2 is 1,265 feet above sea level and surface water drainage is toward the west. The topographic lobe associated with SWMU B-2 is bounded to the north and south by southwest trending ephemeral creek beds associated with a tributary of Salado Creek (**Figure 1A-2**). The closest creek bed to the site, where bedrock outcrops, is located approximately 350 feet to the southeast. SWMU B-2 is not within the 100-year floodplain.

Weather

Rainfall and drought conditions strongly influence the groundwater levels in the CSSA monitoring wells, irrespective of the formation(s) in which the wells are screened. Generally, the average depths-to-water at CSSA range from approximately 70-300 feet below ground surface (bgs), dependent upon the land surface elevation. During periods of heavy precipitation, water levels have reached as high as 5 feet bgs (e.g., CS-MW21-LGR following a May 2016 flood event). During drought conditions groundwater elevations have been as deep as 378 feet bgs (CSMW5-LGR in September 2014). Over the past 25 years, the average depth to groundwater in wells surrounding SWMU B-2 is approximately 210 feet bgs.

Section 1.2 Affected Property and Sources of Release

History and Operations

Historical munitions and explosives of concern (MEC) and munitions constituents (MC) have been discovered throughout CSSA with the majority of munitions waste sites located within the North and East Pastures. The North Pasture encompasses approximately 876 acres in the northeast portion of CSSA's Outer Cantonment (**Figure 1A-2** inset). Historical records indicate that SWMU B-2 was used as a burn and disposal area for small weapons and ammunition (Parsons, 1993) and a disturbed area is visible on a 1954 aerial photo (**Figure 1A-3**). Materials were disposed of within two shallow trenches and later were covered with soil. These trenches were approximately 250 feet long, oriented east to west (Parsons, 2002a).

Project Overview

Two disposal trenches were initially visible on aerial photos beginning in 1978 (**Figure 1A-3**). These trenches are oriented east to west and were likely used for burning small arms and small arms ammunition. The southern trench was approximately 215 feet long and the northern trench was approximately 250 feet long. Both trenches were about 12 feet across. The southern trench was

approximately 12 feet deep and the northern trench was approximately 5 feet deep. An additional smaller, shallow trenched area was also identified during field activities to the north of the previously identified northern trench.

Previous investigations performed at SWMU B-2 include the following (**Figure 1B**):

- an Environmental Assessment (Parsons, 1993);
- a geophysical survey (Parsons, 1995a);
- drilling of soil borings and collection of soil samples (Parsons, 1995b);
- a soil gas survey (Parsons, 1996a);
- an unexploded ordnance (UXO) survey with associated excavations (Parsons, 2002a);
- the excavation and disposal of waste and waste residue, and removal of all munitions debris (MD) from the site between September 2003 and November 2004.
- the excavation of contaminated soil from the 2004 field effort, and additional soil sampling and surface MD investigations in March 2008; and
- X-ray fluorescence (XRF) and surface sampling conducted in June and December 2010 to further delineate the horizontal extent of munitions-related soil contamination.

Following completion of the excavation activities listed above, all residual or representative COC concentrations were reported within CSSA background levels or below Tier 1 or calculated Tier 2 PCLs.

Section 1.3 Geology/Hydrogeology

CSSA is situated over Cretaceous age deposits of the Travis Peak and Glen Rose Formations of the Trinity Group (**Figure 1D**). The predominant structural feature in the area is the Balcones Fault Zone (BFZ) escarpment. SWMU B-2 is located on the Upper Glen Rose (UGR) (**Figure 1C**) which is the uppermost geologic stratum (averaging 50 feet thick) in the SWMU B-2 area. The UGR consists of beds of blue shale, limestone, and marly limestone, with occasional gypsum beds. The UGR is underlain by the Lower Glen Rose (LGR) (averaging 320 feet thick), which is a massive, fossiliferous, vuggy limestone that grades upwards into thin beds of limestone, marl, and shale. The LGR is underlain by the Bexar Shale facies of the Hensell Sand (averaging 60 feet thick).

At CSSA, the uppermost hydrologic layer is the unconfined Upper Trinity Aquifer, which consists of the UGR. Low-yielding perched zones of groundwater can exist in the UGR and shallow groundwater may be potentially encountered in limited marly units present within the UGR beneath SWMU B-2. Groundwater discharge from the UGR occurs predominantly via natural springs, seeps, and pumping.

The Upper Trinity Aquifer at CSSA is by default presumed to be hydraulically connected to the Middle Trinity Aquifer which is unconfined and functions as the primary source of groundwater at CSSA. It consists of the Lower Glen Rose Limestone, the Bexar Shale, and the Cow Creek Limestone. Principal recharge into the Middle Trinity Aquifer is via precipitation infiltration at outcrops which exist north of CSSA along Cibolo Creek and within the central and southwestern portions of the post. Groundwater flow within the Middle Trinity Aquifer is generally toward the south and southeast.

As discussed above, the nearest surface water body to SWMU B-2 is a small southwest-trending intermittent stream located approximately 290 feet southeast of the site. This small stream joins a tributary to Salado Creek at a location approximately 1,200 feet south of the site. Salado Creek exits the CSSA boundary almost 2 miles south of SWMU B 2.

Table 1A. Sources of Release

Affected property name/number ¹	Name of potential source ² (supplied by the person)	Type of potential source	NOR unit or SWMU number, if applicable	Substances of potential concern	Size of source (capacity, area, or volume)	Status of source		Was a release from this source confirmed? (if yes, indicate the discovery method from Column 4 on Inputs list, and date release was discovered)			
						Status ³ :	If closed or other, list date closed or explain:	No	Yes	Discovery method	Date
SWMU B-2	Former range area	Other (burn and disposal area for small weapons and ammunition)	SWMU B-2	Metals		Inactive			x	Site Assessment	1993

Table 1B – Potential Off-Site Sources

Table 1B is not applicable as there are no off-site sources contributing to COCs at SWMU B-2.

Figure 1A-2 – On-Site Property Maps and Aerial Photographs

Figures 1A-1 through 1A-3 show the location of SWMU B-2 at CSSA, relevant physical features at the site, and immediately adjoining areas.

Figure 1B – Affected Property Map

Figures 1B-1 presents sample locations which characterize current COC conditions (i.e., post-excavation) at SWMU B-4. Affected soil and debris were removed from SWMU B-2 during a series of excavations between 2003 and 2010. No COCs remain at SWMU B-2 that exceed critical PCLs therefore, no affected property exists.

Figure 1C – Regional Geologic Map

Figure 1C is a regional geologic map obtained from the CSSA Hydrogeologic Conceptual Site Model (HCSM) (Parsons, 2006). The location of SWMU B-2 is shown on the map.

Figure 1D – Regional Geologic Cross Section

Figure 1D is a geologic cross section obtained from the CSSA HCSM (Parsons, 2006) that illustrates the regional stratigraphy of the area from the surface to the base of the principal regional water supply aquifers.

¹ The name or number is an identification of the affected property assigned by the person. Continue using the name or number identification throughout this report and all other correspondence on the affected property.

² The potential source is the source of the release.

³ Specify whether the source status is active, inactive, abandoned, closed, or specify another status as appropriate.

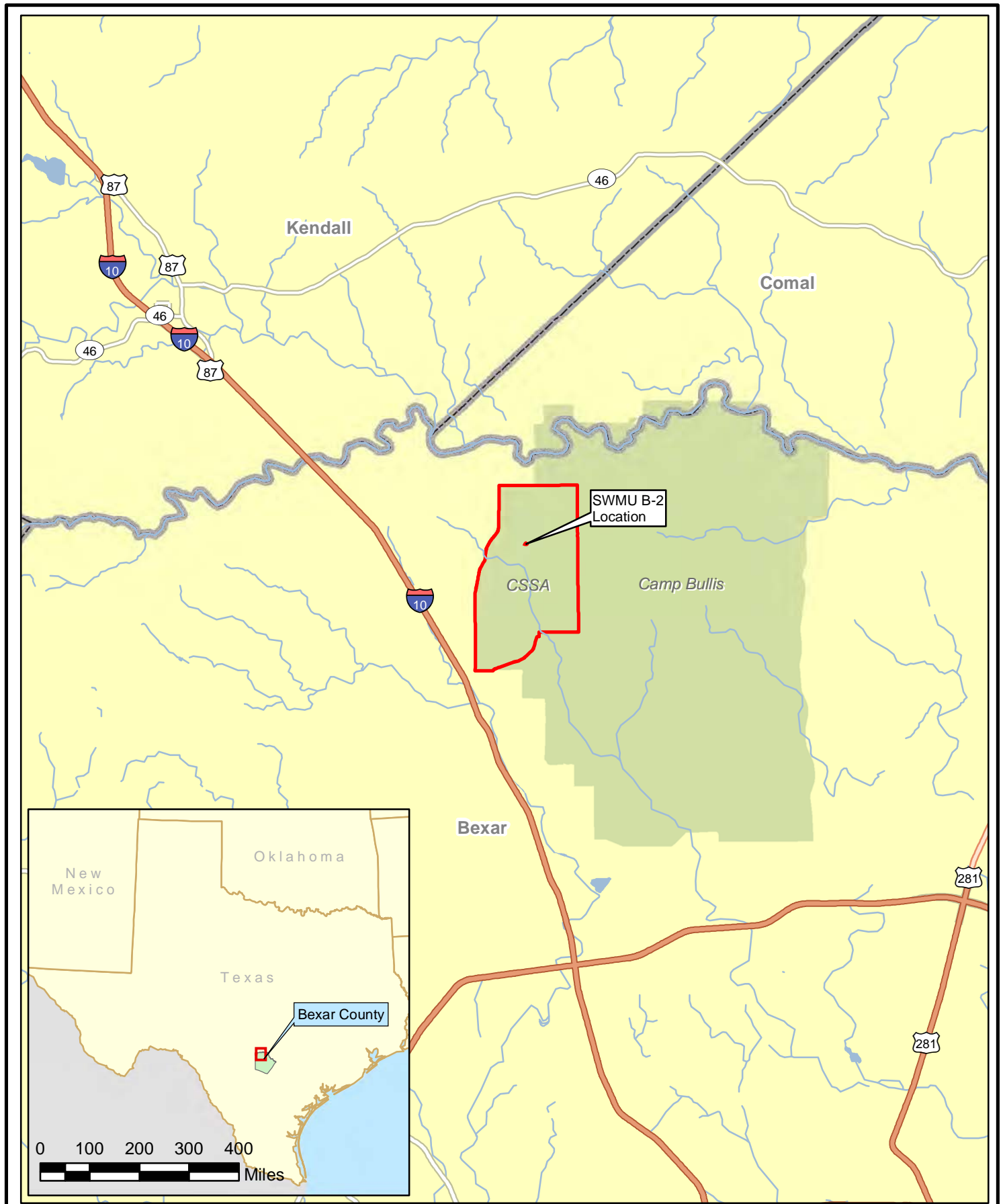
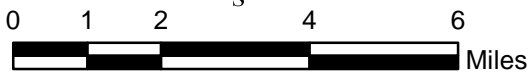


Figure 1A-1

Installation Boundary and
Site Location Map
Camp Stanley Storage Activity

PARSONS

- CSSA Boundary
- County Boundary
- Military Installation
- Major Highways
- Highways
- Major Roads
- Streams



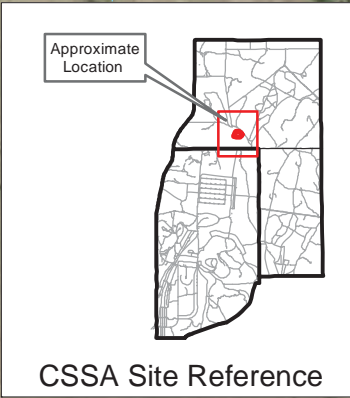
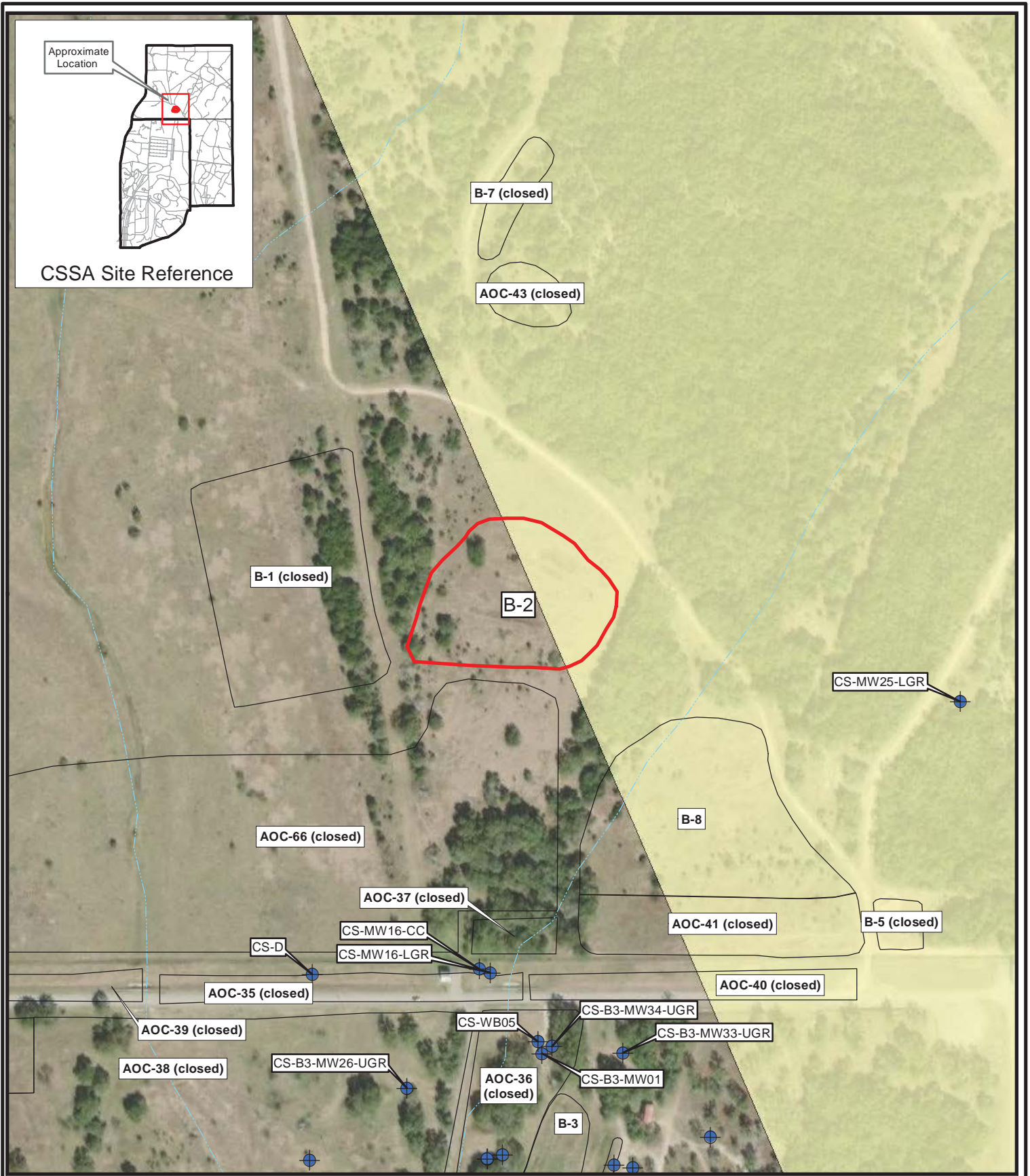
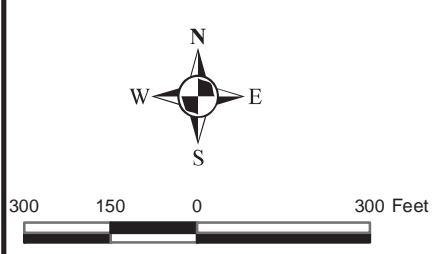


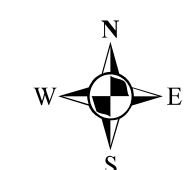
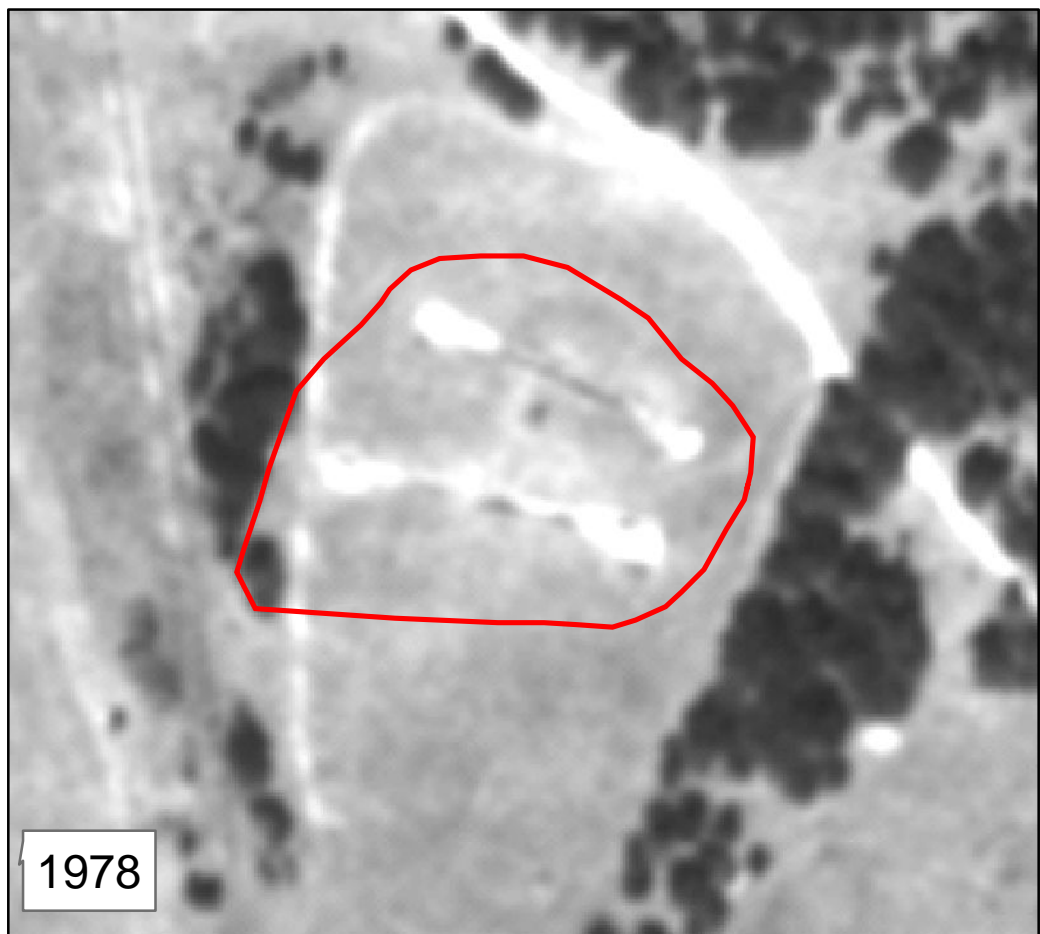
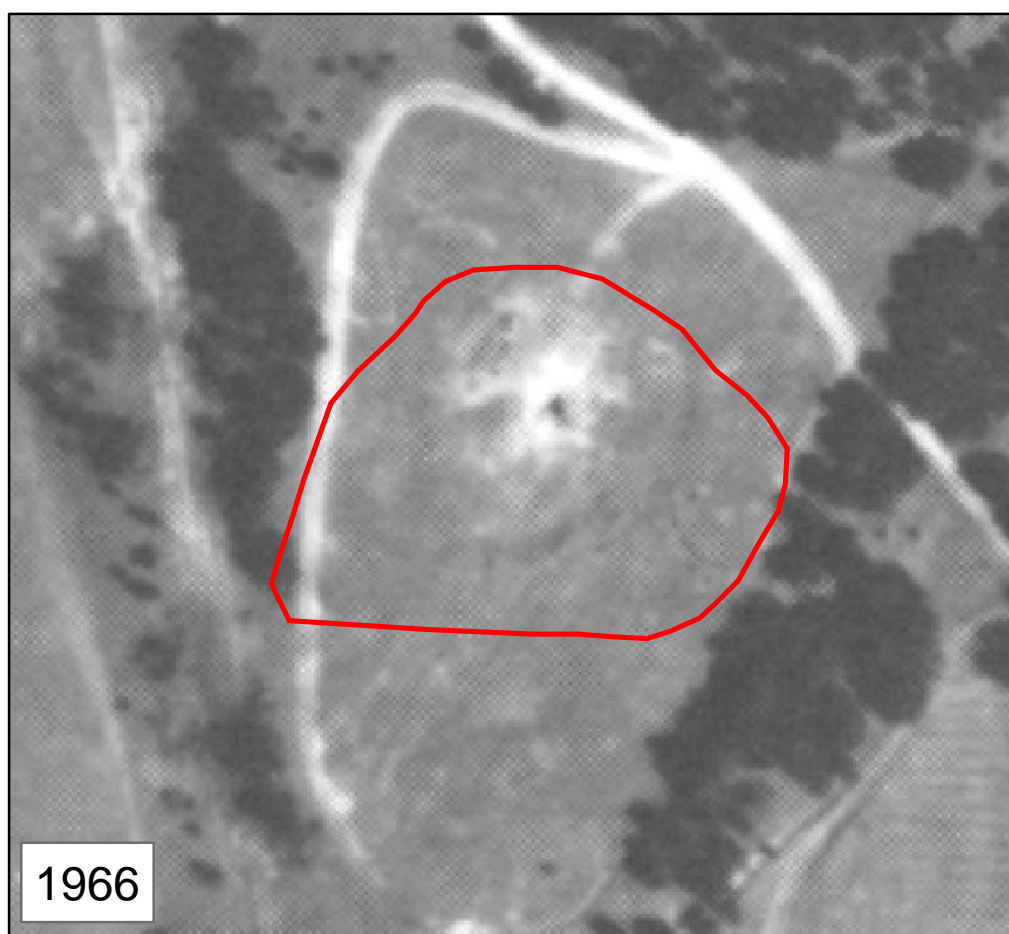
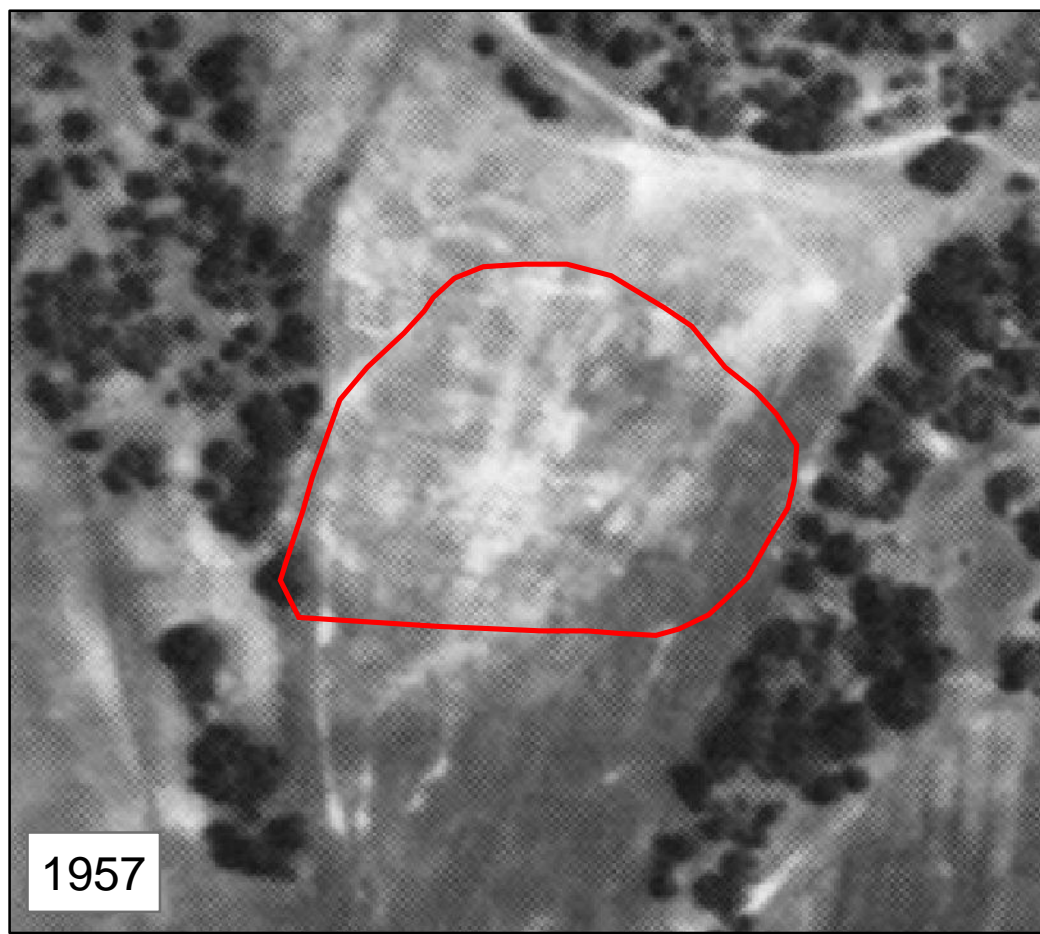
Figure 1A-2

SWMU B-2
On-Site Property Map
Camp Stanley Storage Activity

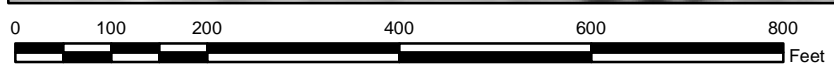
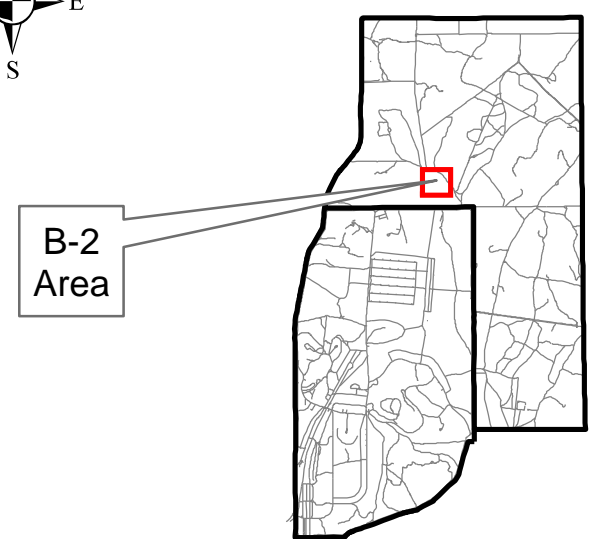
PARSONS



- Monitoring Well
- SWMU B-2 Site Boundary
- Stream
- Environmental Sites
- Proposed Recoilless Rifle Ricochet Area

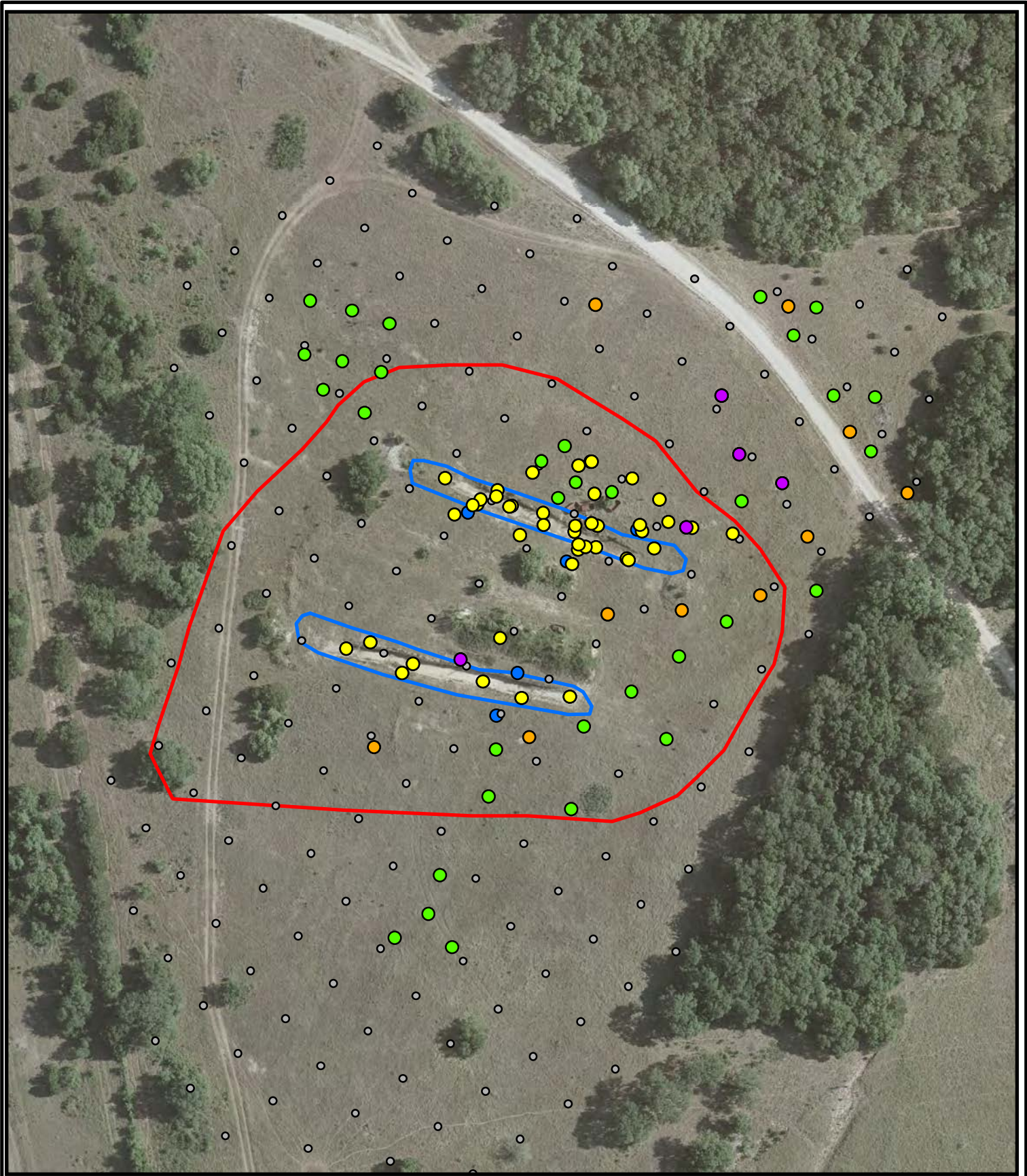


CSSA Reference Map



Scalebar for Aerial Photographs

Figure 1A-3
 SWMU B-2
 Aerial Photographs
 Camp Stanley Storage Activity
PARSONS



Aerial Photo Date: 2013

- Approximate Trench Location
- SWMU B-2 Site Boundary

Soil Sample Locations

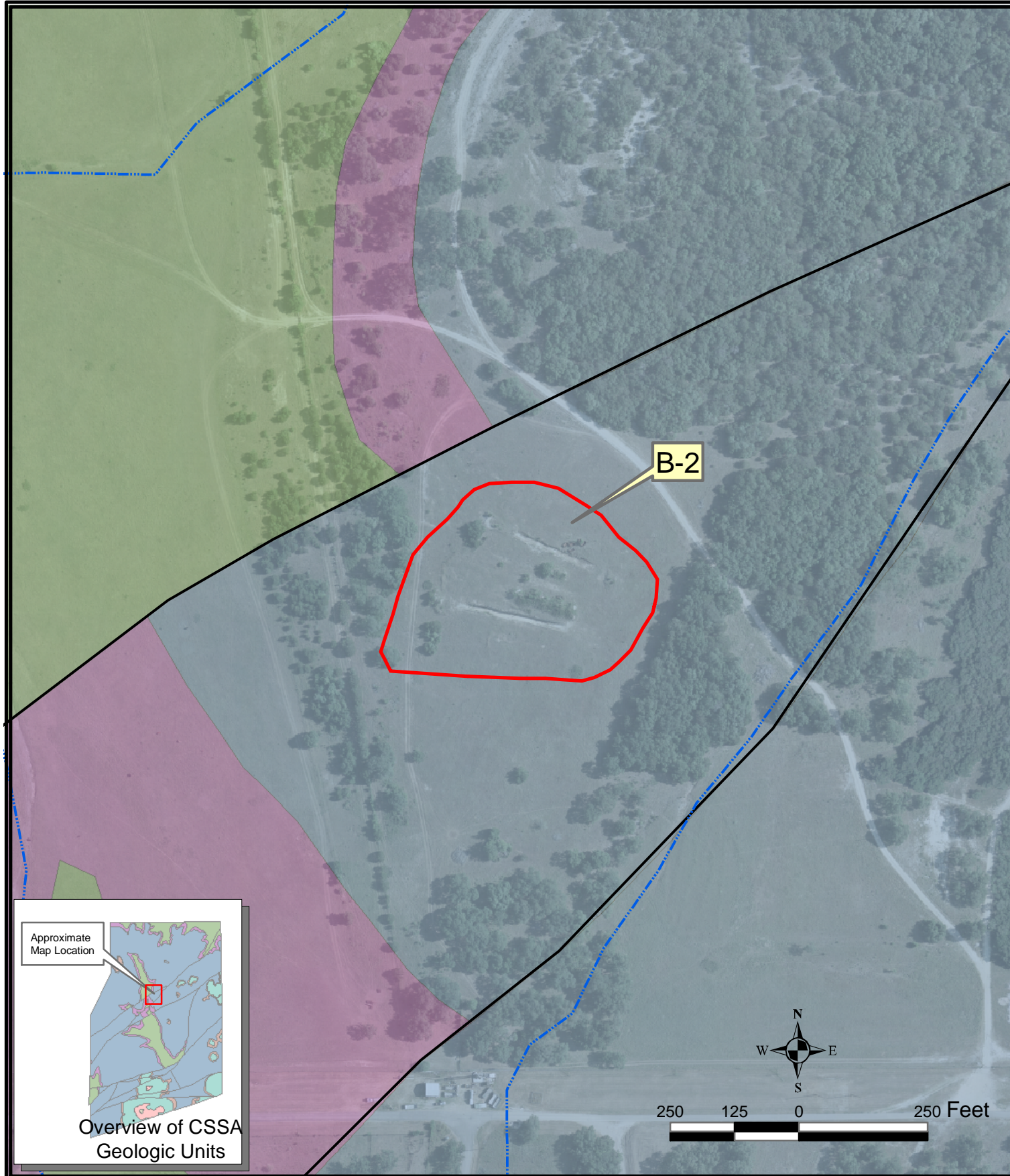
- 1995
- 2004
- 2005
- 2008
- 2010
- 2010 XRF Location



Figure 1B

SWMU B-2
Affected Property Map
Camp Stanley Storage Activity

PARSONS



Geology (USGS, 2003)

- Upper Glen Rose Limestone (Interval D)
- Upper Glen Rose Limestone (Interval E)
- Lower Glen Rose Limestone

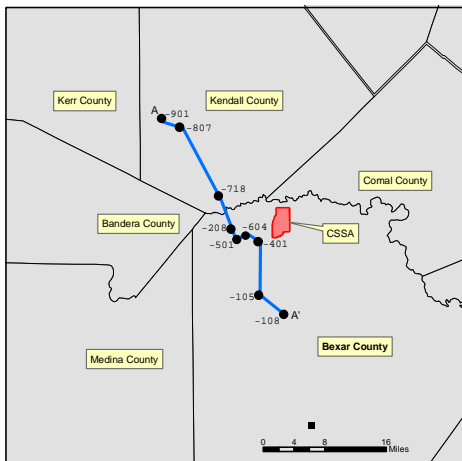
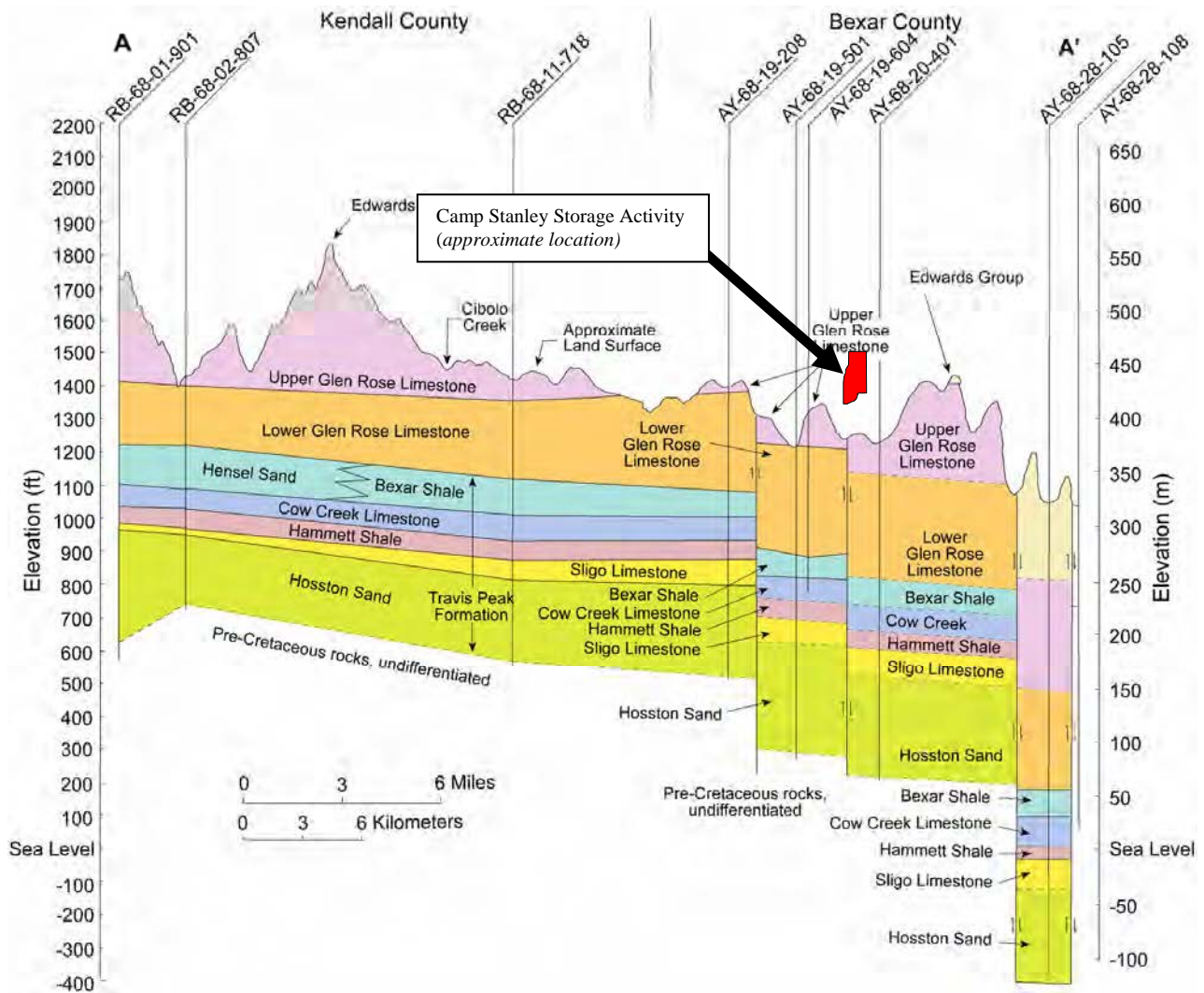
- Creeks (Dashed where intermittent)
- Fault Lines

Note: Geologic units and faults were mapped by USGS, 2003
 Aerial photo date: 2003.

Figure 1C

Regional Geologic Map
 Camp Stanley Storage Activity

PARSONS



(modified after TWDB Report 353, September 2000 - after Ashworth, 1983, fig. 6)

Figure 1D
 Regional Geologic Cross Section
 SWMU B-2
PARSONS

Section 2 Exposure Pathways and Groundwater Resource Classification

This section discusses potential exposure pathways and the results of the receptor surveys conducted for this Affected Property Assessment Report (APAR). SWMU B-2 lies within the boundaries of CSSA, therefore research for the receptor survey was limited to review of existing TCEQ- and USEPA-approved documents. These documents are available on the installation's administrative record (Environmental Encyclopedia) website (www.stanley.army.mil), and included review of records for drinking water, agricultural supply, and monitoring wells and hydrogeologic data for CSSA. References used in this research are listed in **Appendix 16**.

Section 2.1 Source(s) of Potable Water for On-Site Property and Affected Off-Site Properties

CSSA obtains its drinking water supply from on-Post supply wells completed within the LGR member of the Middle Trinity Aquifer. No drinking water wells are located within 500 feet of the site (**Figure 2A-1**). The nearest water supply well to SWMU B-2 is well CS-12, located approximately 2,342 feet northwest (and upgradient) of SWMU B-2 (**Figure 2C**). Based on the distance to the nearest drinking water supply well from the site, no documented groundwater impact at the site, and the upgradient location of the well, there is no reasonable potential for COCs from SWMU B-2 to impact well CS-12. The nearest downgradient well is CS-MW16 which is 775 feet from the SWMU B-2 boundary.

Section 2.2 Field Receptor Survey

Components of the receptor survey were collected in conjunction with the 1993 Environmental Assessment as well as field investigations conducted between 1995 and 2010, detailed in Sections 3 and 4. Information collected included field observations of physical, geologic, and other features that could facilitate COC transport or exposure to receptors. A search for drinking water wells within the search radius was also performed. An aerial photographic map of the areas covered by the receptor survey is shown on Figure 2A-1. Current photos of SWMU B-2 showing pertinent site features and potential ecological habitat in the site vicinity are presented as **Figures 2B-1 through 2B-4**.

Previously published documents detailing receptor survey observations are available on the CSSA Environmental Encyclopedia website and included the following:

- Environmental Assessment (Parsons, 1993);
- Technical Memorandum on Surface Geophysical Surveys, Well 16 Source Characterization (Parsons, 1995a);
- Technical Memorandum on Soil Boring Investigation - Well 16 Source Characterization (Parsons, 1995b);
- Technical Memorandum on Soil Gas Surveys (Parsons, 1996a); and
- Final SWMU B-2 Resource Conservation and Recovery Act (RCRA) Facility Investigation Report (Parsons, 2002a).

Section 2.3 Records Survey

The following documents were reviewed for this report and are available on the CSSA Environmental Encyclopedia website:

- Final Hydrogeologic Conceptual Site Model for CSSA (Parsons, 2008);

- Final Work Plan Ecological Risk Assessment for North Pasture (Parsons, 2008);
- Baseline Risk Assessment (Parsons, 2014);
- Species and Habitat Distributions of Black-Capped Vireos and Golden-Cheeked Warblers, 2019 Breeding/Nesting Season (Parsons, 2019); and
- Current CSSA water well and monitoring well data.

Section 2.4 Receptor Survey Results

The average ground surface elevation at SWMU B-2 is 1,265 feet above sea level. Surface water drainage is toward the west. The topographic lobe associated with SWMU B-2 is bounded to the north and south by southwest trending ephemeral creek beds associated with a tributary of Salado Creek (Figure 1A-2). The closest creek bed to the site is located approximately 290 feet to the southeast. The site vegetation is predominantly sparse native grasses with occasional small trees and bushes. Bedrock outcrops are present within the creekbed (Parsons, 2002a). Current land use within the 500-foot receptor survey radius is open space.

No drinking water wells are located within 500 feet of the site (Figure 2A). The nearest water supply well to SWMU B-2 is well CS-12, located approximately 2,342 feet northwest (and upgradient) of the site (**Table 2A**). Numerous environmental monitoring wells associated with SWMU B-3 to the south are located outside the 500-foot receptor survey radius and within the ½-mile radius (Figure 2C).

Visitors allowed access to the SWMU B-2 area are limited to CSSA operations and grounds-keeping personnel, seasonal hunters, and other CSSA-approved transient personnel. Since affected media were removed from the site during the excavations, there is no reasonable potential for adverse future exposure to human or ecological receptors to site COCs (see Section 2.6).

There are 269 acres of Golden-Cheeked Warbler (GCWA) habitat within a ½-mile radius of SWMU B-2, and 13.2 acres are currently present within the 500-foot receptor survey area (**Figure 2A-2**).

Based on information obtained during the records review and site reconnaissance, there is no reasonable potential for future adverse exposure to receptors from COC concentrations remaining at SWMU B-2 following investigation and excavation activities because:

- Excavations at the site removed COCs to background levels or Tier 1/Tier 2 human health RALs and therefore the potential for adverse exposure to human receptors at the site has been eliminated (see Section 4).
- The nearest drinking water supply well to SWMU B-2 is well CS-12, located approximately 2,342 feet upgradient of SWMU B-2. Non-potable or environmental monitoring wells within ½ mile of the site (Figure 2C) are properly constructed in a manner which would preclude them as a potential COC migration pathway. The majority of these wells are associated with monitoring efforts at SWMU B-3 to the south, and none were installed for the purpose of specifically monitoring COCs at SWMU B-2.
- Habitat attractive to wildlife exists along the fringes of SWMU B-2, including habitat for the GCWA, a federal endangered species (Figure 2A-2). However, the potential for future adverse exposure to ecological receptors has been mitigated by removal of COCs in surface soil to CSSA background levels or to concentrations or a 95% Upper Confidence Limit (UCL) less than Tier 1 or Tier 2 ecological Protective Concentration Limits (PCLs).

Section 2.5 Groundwater Resource Classification

Shallow groundwater at SWMU B-2 is part of the Upper Trinity Aquifer, and per Texas Risk Reduction Program (TRRP) guidance is classified as a Class 3 groundwater resource due to extremely low sustainable flow rates (Texas Administrative Code [TAC] §3S0.52(3)). Practical field experience

indicates that perched groundwater zones within the Upper Glen Rose Limestone at CSSA are sporadically located and contain very little water, if any.

Section 2.6 Exposure Pathways

Prior to a series of excavations, potentially complete exposure pathways at SWMU B-2 included soil-to-groundwater ($^{GW}Soil_{ing}$) for various metals and direct exposure ($^{Tot}Soil_{comb}$) for human and ecological receptors. Investigation and excavation activities at the site focused on assessing, eliminating or mitigating these exposure pathways. Removal and vertical delineation of COCs to Tier 1/Tier 2 residential or ecological PCLs or to background was accomplished in these areas.

Shallow groundwater was encountered in two subsurface borings during the 1995 RFI. Groundwater grab samples collected from the open borings were analyzed for VOCs, SVOCs, and metals, and all analyte concentrations were below Tier 1 residential PCLs for Class 3 groundwater ($^{GW}GW_{Class3}$) (Parsons, 2002a). There are no drinking water wells present at the site, and therefore the groundwater ingestion ($^{GW}GW_{ing}$) pathway is also not complete.

Salado Creek is not expected to have been impacted in the past from affected sediment runoff from SWMU B-2 due to the distance from the creek of the affected surface soil, low ground surface gradient (0.04) along the drainage pathway, and abundant ground vegetation between the affected area and the creek. Therefore, the surface water/sediment exposure pathways are not complete at SWMU B-2.

Table 2A. Water Well Summary

Well no. / designation	Well owner's name of record	Distance from affected property (ft)	Screened interval/open interval (ft)	Cemented interval (ft)	Completion type	Total depth	Date drilled	Producing formation	Current water use ¹	Current status ²	Data source ³
Downgradient Wells											
B3-EXW01	CSSA	1430	199 - 345	0 - 199	Stick up	345		LGR	MW	Act	Well Rpt
B3-EXW02	CSSA	2129	65 - 358	0 - 65	Stick up	358		LGR	MW	Act	Well Rpt
B3-EXW03	CSSA	1303	65 - 340	0 - 65	Stick up	340		LGR	MW	Act	Well Rpt
B3-EXW04	CSSA	1941	55 - 335	0 - 55	Stick up	335		LGR	MW	Act	Well Rpt
B3-EXW05	CSSA	1424	90 - 380	0 - 90	Stick up	380		LGR	MW	Act	Well Rpt
CS-2	CSSA	2483	205 - 350	0 - 205	Stick up	350.0		LGR	MW	Act	Well Rpt
CS-3	CSSA	2287	205 - 327.9	0 - 205	Stick up	327.9		LGR	MW	Act	Well Rpt
CS-4	CSSA	1979	200 - 251.5	0 - 200	Stick up	251.5		LGR	MW	Act	Well Rpt
CS-D	CSSA	841	205 - 263	0 - 205	Stick up	263		LGR	MW	Act	Well Rpt
CS-B3-MW01	CSSA	984	277 - 287	0 - 277	Stick up	287		LGR	MW	Act	Well Rpt
CS-B3-MW02	CSSA	1334	260 - 300	0 - 260	Stick up	300		LGR	MW	Act	Well Rpt
CS-B3-MW03	CSSA	1276	17 - 37	0 - 17	Stick up	37		UGR	MW	Act	Well Rpt
CS-B3-MW04	CSSA	1247	260 - 300	0 - 260	Stick up	300		LGR	MW	Act	Well Rpt
CS-B3-MW26-UGR	CSSA	1090	7.5 - 17.5	0 - 7.5	Stick up	17.5		UGR	MW	Act	Well Rpt
CS-B3-MW27-UGR	CSSA	1437	7 - 17	0 - 7	Stick up	17		UGR	MW	Act	Well Rpt
CS-B3-MW28-UGR	CSSA	1740	5.5 - 15.5	0 - 5.5	Stick up	15.5		UGR	MW	Act	Well Rpt
CS-B3-MW29-UGR	CSSA	1850	7.5 - 17.5	0 - 7.5	Stick up	17.5		UGR	MW	Act	Well Rpt
CS-B3-MW30-UGR	CSSA	1970	10.8 - 20.8	0 - 10.8	Stick up	20.8		UGR	MW	Act	Well Rpt
CS-B3-MW31-UGR	CSSA	1516	16 - 36	0 - 16	Stick up	36		UGR	MW	Act	Well Rpt
CS-B3-MW32-UGR	CSSA	1257	26 - 56	0 - 26	Stick up	56		UGR	MW	Act	Well Rpt
CS-B3-MW33-UGR	CSSA	995	6 - 26	0 - 6	Stick up	26		UGR	MW	Act	Well Rpt
CS-B3-MW34-UGR	CSSA	965	12 - 22	0 - 12	Stick up	22		UGR	MW	Act	Well Rpt
CS-MW3-LGR	CSSA	2431	402 - 427	0 - 402	Stick up	427		LGR	MW	Act	Well Rpt
CS-MW16-CC	CSSA	775	406 - 431	0 - 406	Stick up	431		CC	MW	Act	Well Rpt
CS-MW16-LGR	CSSA	783	199 - 310	0 - 199	Stick up	310		LGR	MW	Act	Well Rpt
CS-MW24-LGR	CSSA	1624	300 - 325	0 - 300	Stick up	325		LGR	MW	Act	Well Rpt
CS-MW25-LGR	CSSA	913	352 - 377	0 - 352	Stick up	377		LGR	MW	Act	Well Rpt
CS-WB05	CSSA	954	Multi-Port	Multi-Port	Stick up	480		LGR, BS, CC	MW	Act	Well Rpt
CS-WB06	CSSA	1637	Multi-Port	Multi-Port	Stick up	333		UGR, LGR	MW	Act	Well Rpt
CS-WB07	CSSA	1258	Multi-Port	Multi-Port	Stick up	335		UGR, LGR	MW	Act	Well Rpt
CS-WB08	CSSA	1288	Multi-Port	Multi-Port	Stick up	355		UGR, LGR	MW	Act	Well Rpt

¹ Current water use: Dom - domestic; PS - public supply/municipal; Ind - industrial; Comm - commercial; Irr - irrigation; Liv - livestock; MW - monitoring well

² Current status: Act - active; Ab - abandoned/not in use; SB - standby/backup; P&A - plugged and abandoned

³ Indicate the specific primary source of well information.

Well no. / designation	Well owner's name of record	Distance from affected property (ft)	Screened interval/open interval (ft)	Cemented interval (ft)	Completion type	Total depth	Date drilled	Producing formation	Current water use ¹	Current status ²	Data source ³
Cross-gradient Wells											
CS-MW9-BS	CSSA	1460	352 - 377	0 - 352	Stick up	377		BS	MW	Act	Well Rpt
CS-MW9-CC	CSSA	1444	425 - 450	0 - 425	Stick up	450		CC	MW	Act	Well Rpt
CS-MW9-LGR	CSSA	1477	296 - 321	0 - 296	Stick up	321		LGR	MW	Act	Well Rpt
Upgradient Wells											
CS-12	CSSA	2342	149 - 460	0 - 149	Sitck up	460		LGR	PS	Act	Well Rpt

Table 2B - Affected Water Well Summary

Table 2B is not applicable. No water wells at CSSA are affected or threatened by conditions at SWMU B-2.

Table 2C - Complete or Reasonably Anticipated to be Complete Exposure Pathways

Following removal of affected soil and development of Tier 2 PCLs, there are no receptor exposure pathways reasonably anticipated to be complete at SWMU B-2.

Table 2C. Complete or Reasonably Anticipated to be Complete Exposure Pathways

Exposure pathway	Surface soil ¹	Subsurface soil ²	Groundwater	Surface water/ sediment
TotSoilComb ³		NA	NA	
AirSoilInh-V	NA			
GWSoilIng or GWSoilClass3				
GWGWIng or GWGWClass3	NA	NA		NA
AirGWInh-V				
SWG				
SedGW				
SWSW or SedSed			NA	
Other (specify) ⁴				

Figure 2A-1 - Potential Receptors Map

Figure 2A-1 presents an aerial view of the site and location of the 500-ft receptor survey boundary.

Figure 2A-2 – Golden Cheeked Warbler Habitat

Figure 2A-2 presents the GWCA habitat as of August 2019 (Parsons, 2019).

Figure 2B - Field Survey Photographs

Photographs showing various vantage points at SWMU B-2 are shown on Figures 2B-1 through 2B-4.

Figure 2C - Water Well Map

Figure 2C illustrates the locations of the water wells, including those located within both the 500-foot receptor survey radius and one half-mile radius of SWMU B-2.

Attachment 2A - Tier 1 Ecological Exclusion Criteria Checklist

A Tier 1 Ecological Exclusion Criteria Checklist is included as Attachment 2A.

Attachment 2B - Tier 1 Ecological Exclusion Criteria Supporting Documentation

Part III attachment included as Attachment 2B.

¹ Residential: soils from 0-15 feet deep, or to bedrock or groundwater-bearing unit if shallower.

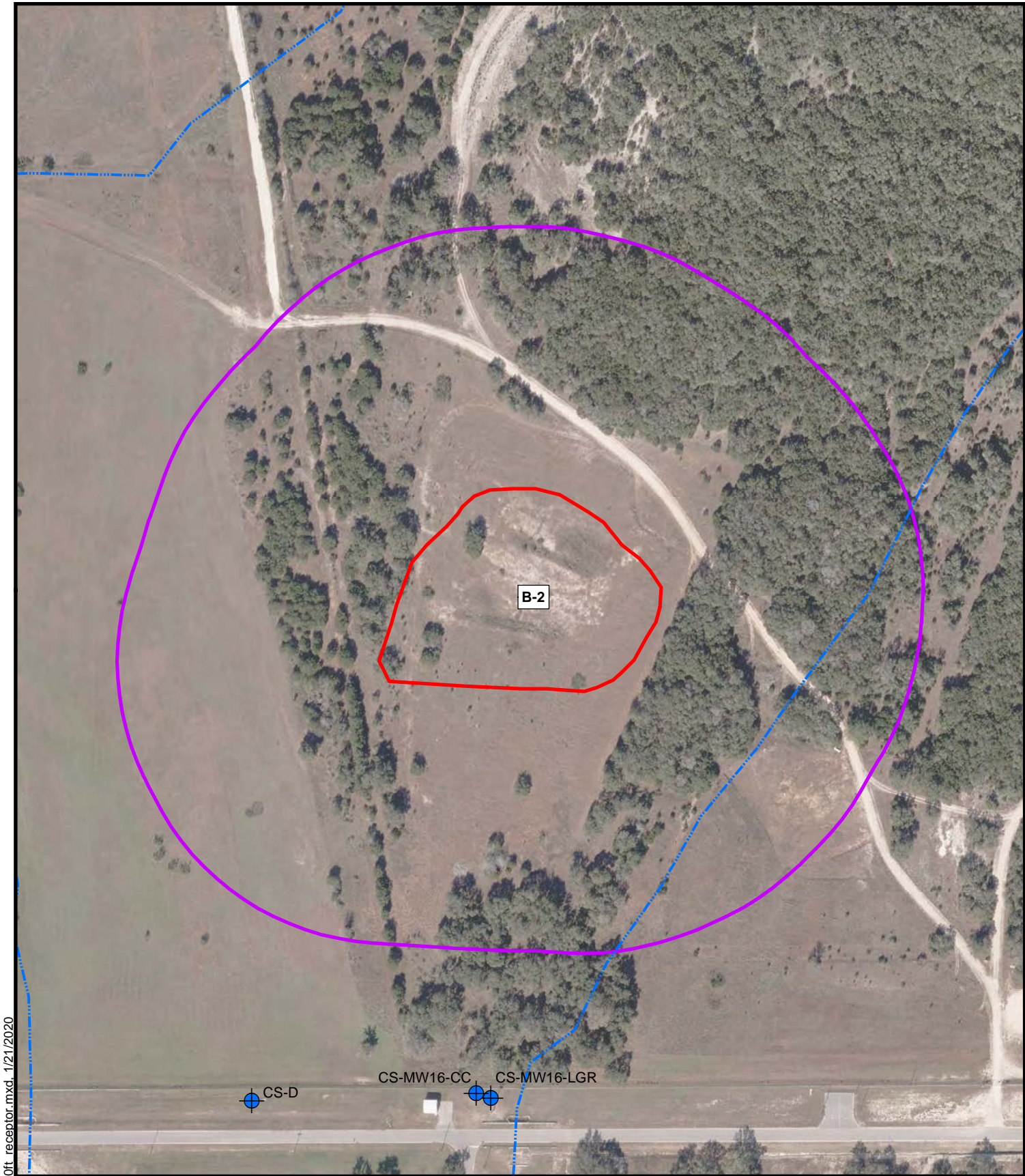
Commercial/industrial: soils from 0-5 feet deep, or to bedrock or groundwater-bearing unit if shallower.

² The vadose zone beneath the surface soil extending to the groundwater-bearing unit, and including unsaturated zones between stratified groundwater-bearing units.

³ Residential: $AirSoil_{Inh-V} + Soil_{SoilIng} + Soil_{SoilDerm} + VegSoil_{Ing}$

Commercial/industrial: $AirSoil_{Inh-V} + Soil_{SoilIng} + Soil_{SoilDerm}$

⁴ If other exposure pathways are identified here, include those pathways in the derivation of assessment levels and evaluation of critical PCLs.



J:\CSSA\GIS\B2_B8\Maps\B2_500ft_receptor.mxd, 1/21/2020







-  Monitoring Well Location
-  Intermittent Stream
-  SWMU B-2 Boundary
-  500 Foot Radius

Figure 2A-1

Potential Receptors Map
SWMU B-2
Camp Stanley Storage Activity

PARSONS

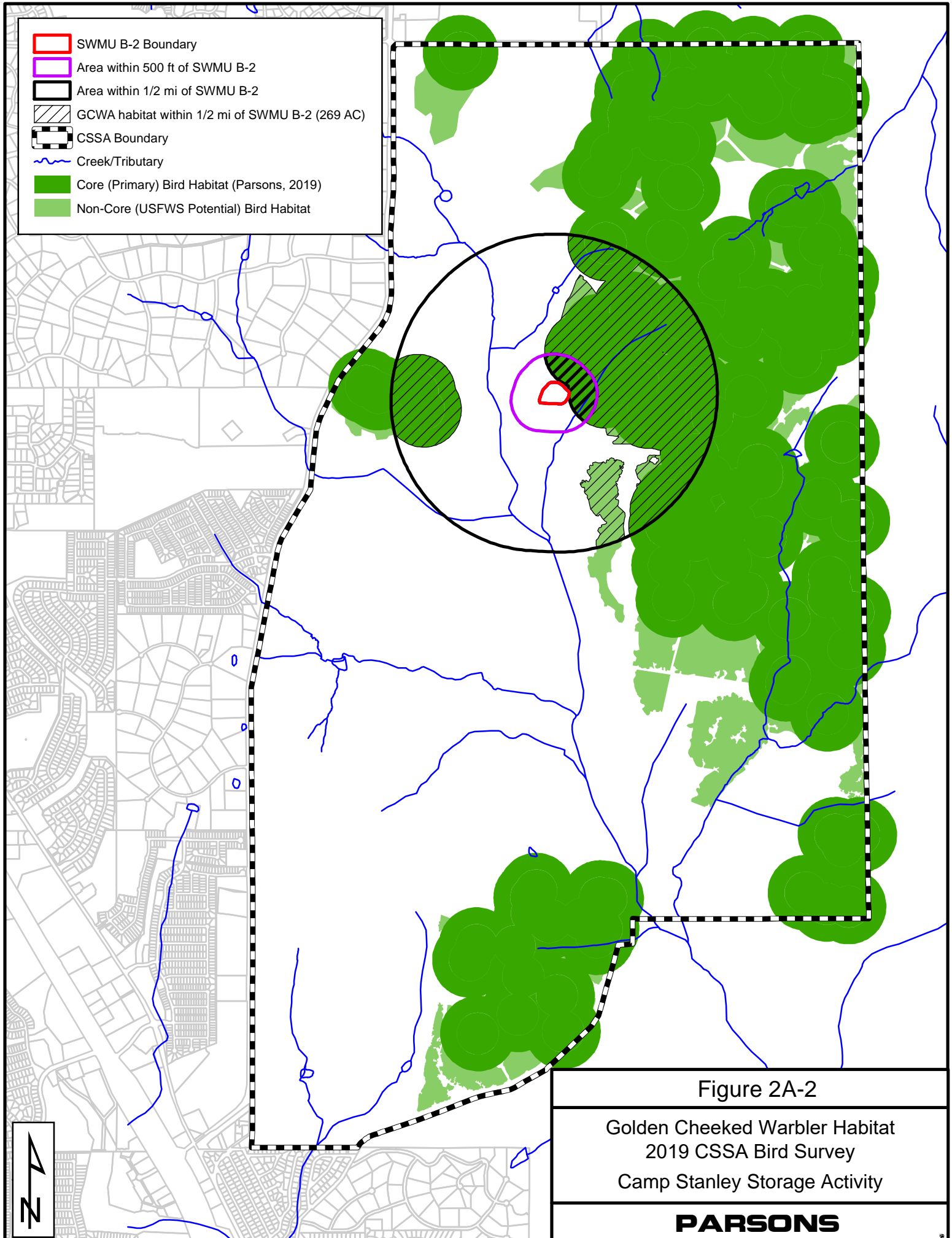


Figure 2A-2

Golden Cheeked Warbler Habitat
 2019 CSSA Bird Survey
 Camp Stanley Storage Activity

PARSONS





Figure 2B-1. SWMU B-2 Facing Northeast



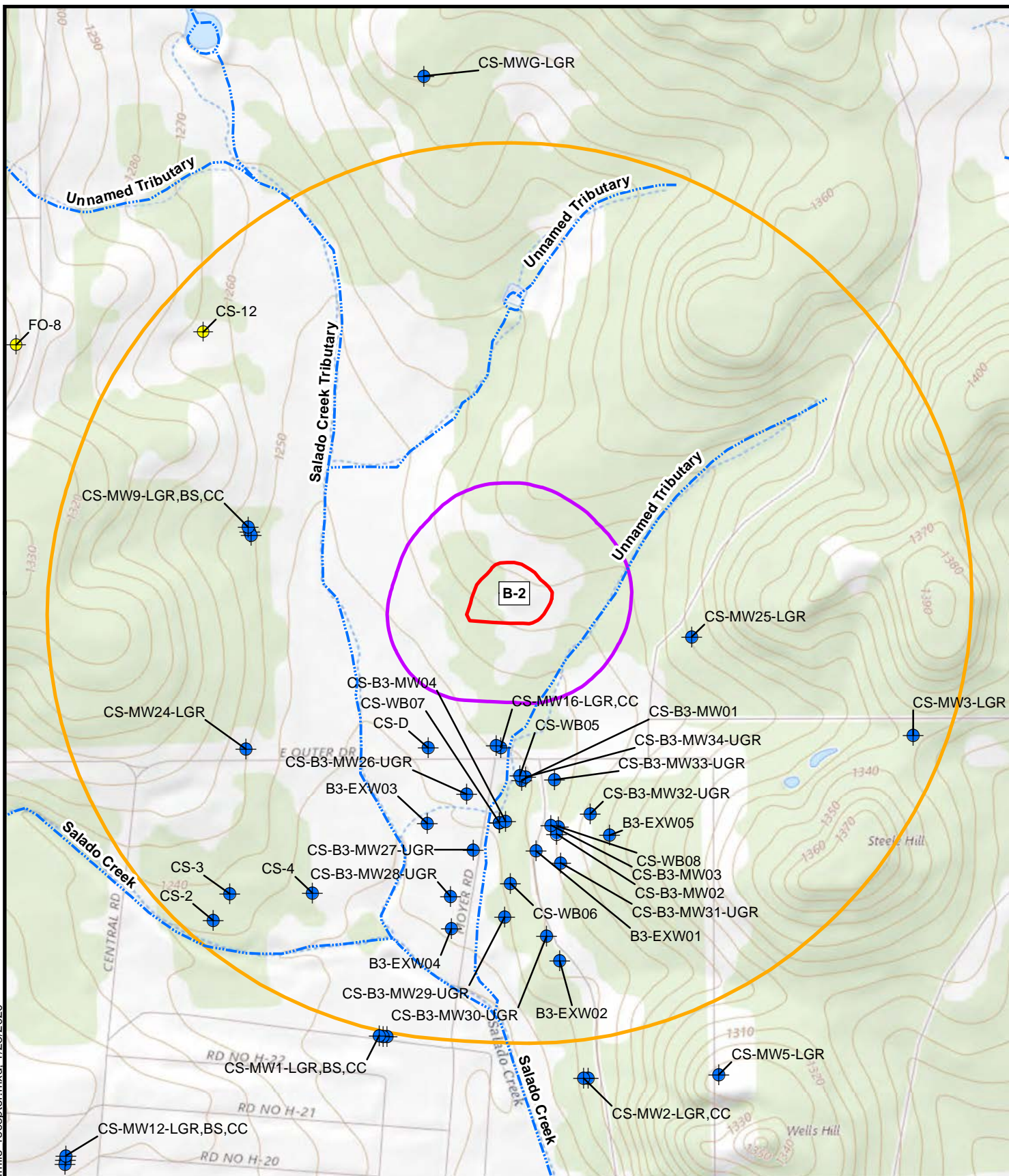
Figure 2B-2. SWMU B-2 Facing Northwest



Figure 2B-3. SWMU B-2 Facing Southeast



Figure 2B-4. SWMU B-2 Facing Southwest



J:\CSSA\GIS\B2_B8\Maps\B2_halfmile_receptor.mxd, 1/23/2020



UGR: Upper Glen Rose
 LGR: Lower Glen Rose
 BS: Bexar Shale
 CC: Cow Creek

- Monitoring Well
- Public Supply Well
- Intermittent Stream
- 500 Foot Radius
- 12 Mile Radius
- SWMU B-2 Boundary

Figure 2C

Water Well Map
 SWMU B-2
 Camp Stanley Storage Activity

PARSONS

Attachment 2A. Tier 1 Exclusion Criteria Checklist

PART I. Affected Property Identification and Background Information

1) Provide a description of the specific area of the response action and the nature of the release. Include estimated acreage of the affected property and the facility property, and a description of the type of facility and/or operation associated with the affected property. Also describe the location of the affected property with respect to the facility property boundaries and public roadways.

SWMU B-2 is a 2.6-acre site located in the southwest portion of the North Pasture (see Figure 1A). Historical records indicate that SWMU B-2 was used as a burn and disposal area for small weapons and ammunition. Materials were disposed of within two shallow trenches and later were covered with soil. These trenches were approximately 250 feet long, oriented east to west. The site consists of a relatively flat, open area dominated by sparse native grasses and occasional small native trees and brush. The site is approximately 3,600 feet from the closest boundary of CSSA (to the northwest)

Attach available United States Geological Survey (USGS) topographic maps and/or aerial or other affected property photographs to this form to depict the affected property and surrounding area. Indicate attachments:

Topo map Aerial photo Other (specify) See Figures 2A and 2C in APAR, Section 2

2) Identify environmental media known or suspected to contain COCs at the present time. Check all that apply:

Known/Suspected COC Location	Based on sampling data?	
<input checked="" type="checkbox"/> Soil <5 ft below ground surface	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input checked="" type="checkbox"/> Soil >5 ft below ground surface	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Groundwater	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Surface Water/Sediments	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Explain (previously submitted information may be referenced):

Remaining COC concentrations in soil are below Tier 1 or Tier 2 PCLs, or in the case of zinc, below the 95% UCL.

3) Provide the information below for the nearest surface water body which has become or has the potential to become impacted from migrating COCs via surface water runoff, air deposition, groundwater seepage, etc. Exclude wastewater treatment facilities and stormwater conveyances/impoundments authorized by permit. Also exclude conveyances, decorative ponds, and those portions of process facilities that are:

- a. Not in contact with surface waters in the State or other surface waters which are ultimately in contact with surface waters in the State; and
- b. Not consistently or routinely utilized as valuable habitat for natural communities including birds, mammals, reptiles, etc.

The nearest surface water body is 288 feet/miles from the affected property and is named: Unnamed tributary of Salado Creek

The water body is best described as a:

- freshwater stream:
 - perennial (has water all year)
 - intermittent (dries up completely for at least 1 week a year)
 - intermittent with perennial pools
- freshwater swamp/marsh/wetland
- saltwater or brackish marsh/swamp/wetland
- reservoir, lake, or pond; approximate surface acres _____
- drainage ditch
- tidal stream bay estuary
- other; specify _____

Is the water body listed as a State classified segment in Appendix C of the current Texas Surface Water Quality Standards; §§307.1 - 307.10?

Yes Segment # _____ Use Classification: _____
 No

If the water body is not a State classified segment, identify the first downstream classified segment.

Name: Salado Creek
Segment #: 1910
Use Classification: Freshwater Stream

As necessary, provide further description of surface waters in the vicinity of the affected property:

Not applicable.

PART II. Exclusion Criteria and Supportive Information

Subpart A. Surface Water/Sediment Exposure

1) Regarding the affected property where a response action is being pursued under the TRRP, have COCs migrated and resulted in a release or imminent threat of release to either surface waters or to their associated sediments via surface water runoff, air deposition, groundwater seepage, etc.? Exclude wastewater treatment facilities and stormwater conveyances/impoundments authorized by permit. Also exclude conveyances, decorative ponds, and those portions of process facilities which are:

- a. Not in contact with surface waters in the State or other surface waters which are ultimately in contact with surface waters in the State; and
- b. Not consistently or routinely utilized as valuable habitat for natural communities including birds, mammals, reptiles, etc.

Yes No

Explain:

All affected media have been removed from the site and no PCLE zone exists. The straight-line distance to the closest surface water body (intermittent stream tributary) is 288 feet from the boundary of SWMU B-2.

If the answer is yes to Subpart A above, the affected property does not meet the exclusion criteria. However, complete the remainder of Part II to determine if there is a complete and/or significant soil exposure pathway, then complete PART III - Qualitative Summary and Certification. If the answer is No, go to Subpart B.

Subpart B. Affected Property Setting

In answering “Yes” to the following question, it is understood that the affected property is not attractive to wildlife or livestock, including threatened or endangered species (i.e., the affected property does not serve as valuable habitat, foraging area, or refuge for ecological communities). (May require consultation with wildlife management agencies.)

- 1) Is the affected property wholly contained within contiguous land characterized by: pavement, buildings, landscaped area, functioning cap, roadways, equipment storage area, manufacturing or process area, other surface cover or structure, or otherwise disturbed ground?

Yes No

Explain:

The site consists of a relatively flat, open area dominated by sparse native grasses and occasional small native trees and brush.

If the answer to Subpart B above is Yes, the affected property meets the exclusion criteria, assuming the answer to Subpart A was No. Skip Subparts C and D and complete PART III - Qualitative Summary and Certification. If the answer to Subpart B above is No, go to Subpart C.

Subpart C. Soil Exposure

- 1) Are COCs which are in the soil of the affected property solely below the first 5 feet beneath ground surface **or** does the affected property have a physical barrier present to prevent exposure of receptors to COCs in surface soil?

Yes No

Explain:

All affected media above Tier 1 or Tier 2 PCLs have been removed from the site and no PCLE zone exists.

If the answer to Subpart C above is Yes, the affected property meets the exclusion criteria, assuming the answer to Subpart A was No. Skip Subpart D and complete PART III - Qualitative Summary and Certification. If the answer to Subpart C above is No, proceed to Subpart D.

Subpart D. *De Minimus* Land Area

In answering “Yes” to the question below, it is understood that all of the following conditions apply:

- The affected property is not known to serve as habitat, foraging area, or refuge to threatened/endangered or otherwise protected species. (Will likely require consultation with wildlife management agencies.)
- Similar but unimpacted habitat exists within a half-mile radius.
- The affected property is not known to be located within one-quarter mile of sensitive environmental areas (e.g., rookeries, wildlife management areas, preserves). (Will likely require consultation with wildlife management agencies.)
- There is no reason to suspect that the COCs associated with the affected property will migrate such that the affected property will become larger than one acre.

- 1) Using human health protective concentration levels as a basis to determine the extent of the COCs, does the affected property consist of one acre or less and does it meet all of the conditions above?

Yes No

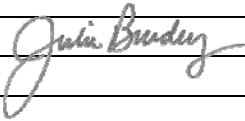
Explain how conditions are met/not met:

If the answer to Subpart D above is Yes, then no further ecological evaluation is needed at this affected property, assuming the answer to Subpart A was No. Complete PART III - Qualitative Summary and Certification. If the answer to Subpart D above is No, proceed to Tier 2 or 3 or comparable Ecological Risk Assessment (ERA).

PART III. Qualitative Summary and Certification (complete in all cases.)

Attach a brief statement (not to exceed 1 page) summarizing the information you have provided in this form. This summary should include sufficient information to verify that the affected property meets or does not meet the exclusion criteria. The person should make the initial decision regarding the need for further ecological evaluation (i.e., Tier 2 or 3) based upon the results of this checklist. After review, TCEQ will make a final determination on the need for further assessment. **Note that the person has the continuing obligation to re-enter the ERA process if changing circumstances result in the affected property not meeting the Tier 1 exclusion criteria.**

Completed by Laura Arciniaga, P.G. (Typed/Printed Name)
Principal Geologist (Title)
June 3, 2020 (Date)

I believe that the information submitted is true, accurate, and complete, to the best of my knowledge.
Julie Burdey, P.G. (Typed/Printed Name of Person)
Project Manager (Title of Person)
 (Signature of Person)
June 3, 2020 (Date Signed)

PART III. Qualitative Summary and Certification – Brief Summary Statement

SWMU B-2 is located in the south-central portion of the North Pasture area of CSSA, approximately 3,600 feet from the closest facility boundary to the northwest. The site is fully contained on CSSA property, access is restricted, and the area is secure. The nearest public roadway, Farm-to-Market Road 3351, is 0.60 miles from the SWMU B-2 boundary. The site, originally located based on aerial photographs, is a former munitions burn and disposal area. SWMU B-2 consists of a relatively flat, open area dominated by sparse native grasses and occasional small native trees and brush.

No surface water is present at the site. The nearest surface water present is an intermittent stream tributary located approximately 290 feet from the site. The presumed depth to groundwater at the site is approximately 220 feet bgs. Because COCs (MC metals) are relatively insoluble, it is highly unlikely that they would migrate to groundwater.

Surface and subsurface soil samples were collected between 1995 and 2010. Analytical results indicate that residual surface soil concentrations of lead exceeded the Tier 1 PCL of 84.5 mg/kg at eight locations and zinc exceeded the Tier 1 PCL of 73.2 mg/kg at nine locations in the most recent (2010) data. Site-specific Tier 2 PCLs were calculated based on site-specific soil type and a 30-acre source area which the sample result did not exceed. All lead concentrations in surface soil at SWMU B-2 are below the (Tier 2 residential) critical PCL of 500 mg/kg. Zinc concentrations above the (Tier 2 ecological) critical PCL of 155.8 mg/kg remain in surface soil at three locations. Laboratory analytical data from the June and December sampling events were used to calculate a 95% UCL per TAC §350.79(2)(A) of 121.4 mg/kg. This value does not exceed the critical PCL.

Although the site does not meet the exclusion criteria due to its proximity to core habitat for the endangered Golden-cheeked Warbler, further ecological evaluation is not necessary because contaminated soil was removed between 2004 and 2010. As described above, remaining metals concentrations are below Tier 1 or Tier 2 PCLs, or in the case of zinc, below the 95% UCL. The combined results of the affected property assessment and the assessment of MC risks indicate that there are no unacceptable risks from exposure to MC in soil to current or future ecological receptors.

Section 3 Assessment Strategy

Section 3.1 General Assessment Issues

Environmental Media Assessed

Media assessed at SWMU B-2 during the affected property assessment included surface and subsurface soil associated with the former disposal trenches and areas of surface soil impact in the vicinity of the trench areas identified in the RCRA Facility Investigation (RFI) Report (Parsons, 2002a). To meet CSSA objectives for site closure for unrestricted use (residential), the initial level of assessment for soil was to be Tier 1 (updated November 2018) and Tier 2 PCLs assuming a 30-acre (i.e. greater than 0.5 acre) source area. The final data evaluated and considered for the affected property assessment included surface and subsurface soil sampling results collected between 1995 and 2010, excluding those sample results from locations that have been excavated and removed from the site.

Tier 2 ecological PCLs were calculated for lead and zinc in surface soil at the site as described in Section 11 and Appendix 9.

Target COCs

Soil analytical results from previous investigations at SWMU B-2 show that metals are the only target COCs remaining in soil at the site. Specifically, the following nine metals are included as target COCs: arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, and zinc. Previous environmental investigations as they relate to COC determination are briefly summarized below, with the results and conclusions of these investigations described in greater detail in Section 3.2 and Section 4.

1995 RFI Field Data for Target COC Determination

Based on previous analytical results and past usage, initial soil analyses at SWMU B-2 during the 1995 RFI included volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and metals (Parsons, 2002a). Based on the RFI results, the list of COCs was reduced to include cadmium, chromium, nickel, lead, toluene, and di-n-butylphthalate, which were the only analytes detected above background levels. Although MEC has not been identified at this site, some MD was found in the trenches prior to commencing field activities. Therefore, explosives were included on the list of potential COCs.

2004, 2005, and 2008 Field Data for Target COC Determination

The RFI Report (Parsons, 2002a) recommended excavation and disposal of waste and waste residue, and removal of any MD. This work was initiated in September 2003 and completed in November 2004. During the excavation, a total of 2,214 CY of waste and contaminated media were excavated from the site. Confirmation sampling was conducted following the excavation and disposal activities to evaluate the presence of the COCs identified in the RFI Report. Analytical results showed concentrations of cadmium, chromium, nickel, toluene, and di-n-butylphthalate were below Tier 1 PCLs. Lead exceeded its background concentration in multiple locations and 2,4-dinitrotoluene (DNT) was also detected above the method quantitation limit (MQL), which was also its Tier 1 PCL, at one location.

Following the 2003/2004 excavation activities and based on confirmation sampling data collected in 2004 and 2005, additional excavation of lead-contaminated soil was performed in March 2008. An additional 58 CY of soil were removed and disposed of offsite. Lead concentrations in soil samples collected following the 2008 excavation were below the Tier 1 PCL.

2010 Field Data for Target COC Determination

To further delineate the lateral extent and concentration of metals previously detected above background concentrations in surface soils at SWMU B-2, XRF samples were collected in June 2010 from a predetermined 50-foot grid that encompassed SWMUs B-2 and B-8 and the surrounding area (see Section 4). All XRF lead results were below the TCEQ-approved background concentration for lead of 84.5 mg/kg. Regardless, metals were retained as COCs at SWMU B-2 based on previous laboratory analytical results and general knowledge of historical operations at the site.

Statistical analysis for the 2004 2,4-DNT exceedance showed the 95% UCL was well below its MQL/Tier 1 PCL of 0.4 mg/kg. However, to ensure that no 2,4-DNT remained at the site, the area around the sample location was excavated and disposed of in December 2010. Results showed no 2,4-DNT present, and therefore explosives were not retained as COCs at SWMU B-2.

Background Metals Evaluation

Soil samples at CSSA were analyzed for and compared to background concentrations of nine metals: arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, and zinc. These metals were chosen based on known waste disposal records and knowledge of historical operations. The Background Metals Evaluation (Parsons, 2002b) was approved by TCEQ on April 23, 2002.

A total of 90 samples were collected and analyzed for the nine CSSA metals during the background metals evaluation (Parsons, 2002b). The background concentrations were calculated by determining the 95% Upper Tolerance Limit (UTL) of the results. For background soil data, the UTL predicts the upper range of background concentrations from a relatively small data set. Distributional assumptions were tested prior to calculating the UTL to determine if the data fit a normal or lognormal distribution. If the distributional assumption could not be verified, then a non-parametric UTL was used. Background concentrations for the nine CSSA metals in all soil types are shown below. The statistical results summary for background levels of COCs at CSSA is included in **Appendix 8**.

Soil Background Comparison Concentrations (Parsons, 2002b)

Metal	Non-Parametric UTL (mg/kg)	95% UTL (mg/kg)
Arsenic	NA	19.6
Barium	NA	300
Cadmium	3.00	NA
Chromium	NA	40.2
Copper	NA	23.2
Lead	NA	84.5
Mercury	0.77	NA
Nickel	NA	35.5
Zinc	NA	73.2

NA = not applicable; mg/kg = milligrams per kilogram. Value for Barium is Texas-specific background concentration.

Section 3.2 Assessment Strategy

General Assessment Approach

This section focuses on soil, groundwater, and soil gas investigations at SWMU B-2. Surface water and sediment are not present at SWMU B-2; therefore, no sampling has occurred for these media at the site. The nearest surface water body to SWMU B-2 is a small southwest-trending ephemeral stream located approximately 290 feet southeast of the site (Figure 1A-2).

Previous investigations performed at SWMU B-2 included the following:

- an Environmental Assessment (Parsons, 1993);
- a geophysical survey (Parsons, 1995a);
- drilling of soil borings and collection of soil samples (Parsons, 1995b);
- a soil gas survey (Parsons, 1996a);
- a UXO survey with associated excavations (Parsons, 2002a);
- the excavation and disposal of waste and waste residue, and removal of all MD from the site between September 2003 and November 2004.
- the excavation of contaminated soil from the 2004 field effort, and additional soil sampling and surface MD investigations in March 2008; and
- XRF and surface sampling conducted in June and December 2010 to further delineate the horizontal extent of munitions-related soil contamination.

Following completion of the excavation activities listed above, all residual or representative COC concentrations were reported within CSSA background levels or below Tier 1 or calculated Tier 2 PCLs. Photo documentation collected during these previous investigations is provided in **Appendix 13**.

1995 RCRA Facility Investigation

As part of RFI source characterization activities at SWMU B-2, soil borings were located based on geophysical anomalies, topographic lows, or surface features, such as metal debris or man-made mounds (Figure 1B). Detailed descriptions of borehole drilling and sampling procedures are outlined in the Work Plan (Parsons, 1996b) and the Field Sampling Plan (FSP) (Parsons, 1996c).

Soil samples were collected from five soil borings drilled to a depth of 30 feet bgs in March 1995 (included in **Appendix 2**). The borings were drilled on the edges of the two trenches known at the time to determine the extent of potential contamination and any potential releases associated with the trenches. In all but one boring, limestone was encountered at a depth of only one foot. Surface soil and subsurface rock were collected for analysis of metals, VOCs, and SVOCs.

The boreholes were left open for a sufficient amount of time to determine if groundwater would accumulate. Water levels were measured, and if sufficient volume was present, a groundwater sample was collected and analyzed for the same parameters as the soil (Parsons, 2002a). Grab groundwater samples were collected from two borings. The groundwater samples were collected less than 30 feet below ground level from soil borings completed in a discontinuous, perched water zone within the Upper Glen Rose Limestone (Parsons, 1996c). No VOCs, SVOCs, or metals were detected above Tier 1 PCLs for Class 3 groundwater (Parsons, 2002a).

1995 Soil Gas Survey

In June 1995, a soil gas survey was conducted at SWMU B-2 to test for VOCs. The purpose was to look for the source of VOCs in groundwater at CSSA, which was ultimately determined to be SWMU B-3. No VOCs are present at SWMU B-2. The soil gas survey collected samples from 20 sample points arranged in a grid within the site boundary. Numerous soil gas samples were collected from the areas associated with each of the previously identified geophysical anomalies. Detailed soil gas sampling procedures are outlined in the FSP (Parsons 1996c).

1997 UXO Survey

Because previous field investigations had identified possible UXO in the linear trenches at SWMU B-2, in September 1997, the two linear trenches at SWMU B 2 were excavated by UXO specialists. The lateral extent of the disturbed area to be excavated was determined based on site investigations and the use of a Schonstedt metal detector. The southern and northern trenches were identified to be

approximately 215 feet and 250 feet in length, respectively, and approximately 12 feet wide. The northern trench was only approximately five feet deep, and the southern trench was approximately 12 feet deep.

UXO specialists examined all waste as it was excavated from the trench to determine whether any UXO was present. Materials removed from the trenches included burned rifle grenades, a few empty 75mm projectiles, rifle clips, bolts, stock strap rings, together with various types of metal and debris. None of these items were considered to be UXO; however, MD including munitions, firearms, and associated materials were found in the southern trench. Much of the debris removed from the trenches appeared to have been burned. The excavated materials were stored within the SWMU B 2 boundary in two stockpiles. One stockpile, approximately 500 CY was to the north of the southern trench, and one stockpile, approximately 1,000 CY was to the south of the southern trench, and contained the MD. Areas located along the eastern end and between the disposal trenches were identified to contain high percentages of nails, spikes, wire, and banding.

Post-RFI Soil Investigations (2004, 2005, and 2010)

In January 2004, confirmation samples were collected from the trench excavation area. They included five bottom samples and 16 sidewall samples and were analyzed for explosives, select SVOCs, and metals that were detected above background levels during the RFI.

Between May and November 2004, further excavations were conducted at the site, and additional bottom and sidewall samples were collected. Following the 2003/2004 excavation activities and based on confirmation sampling data collected in late 2004 and 2005, additional excavation of lead-contaminated soil was performed in March 2008.

To further delineate the lateral extent and concentration of metals contamination in the surface soils at SWMU B-2, investigations were performed in June 2010. XRF samples were collected from a predetermined 50-foot foot grid that encompassed SWMU B-2 and the surrounding area, and laboratory analytical samples were collected to correlate the XRF results.

Data Quality

Laboratory analytical and field methods used for the evaluation of COCs at SWMU B-2 were based on historical release investigation activities previously conducted at the site and are in accordance with the CSSA Quality Assurance Project Plan (QAPP) (Parsons, 2003).

Table 3A - Underground Utilities

Table 3A is not applicable to this site. SWMU B-2 is located in an undeveloped area of CSSA. There were no underground utilities present at the site prior or during operational activities at the site. Therefore, there is no reasonable potential for residual COCs (metals in surface soil) at SWMU B-2 to impact a utility line and migrate off-site.

Section 4 Soil Assessment

Section 4.1 Derivation of Assessment Levels

CSSA has determined that the remediation goal for SWMU B-2 is residential (unrestricted) use. Because the operational area of SWMU B-2 encompasses an area greater than 0.5 acre, RALs were derived using background soil concentrations and Tier 1 or Tier 2 PCLs for a 30-acre site. The site is undeveloped and current land use is open space.

Exposure pathways for affected surface soil assumed to be complete or potentially complete at the site include the $^{Total}Soil_{Comb}$ pathway for human and ecological receptors, and the $^{GW}Soil_{Ing}$ pathway for human receptors only. Soil at SWMU B-2 meeting the TRRP definition of surface soil consists of a layer of loose well-developed soil material ranging in thickness across the site from approximately 0.5 feet to 6 feet. The soil overlies a unit of weathered limestone and marl that cannot be manually excavated (bedrock). No groundwater was encountered in the surface soil zone.

The RALs used to determine the nature and extent of soil COCs and discussed in the following subsections are:

- Surface Soil RALs: the greater value of either the background soil concentration or the residential Tier 1 $^{Total}Soil_{Comb}$ or $^{GW}Soil_{Ing}$ PCL 1 or Tier 2 $^{GW}Soil_{Ing}$ PCL
- Subsurface Soil RALs: the greater value of either the background soil concentration or the residential $^{GW}Soil_{Ing}$ Tier 1 PCL

Section 4.2 Nature and Extent of COCs and NAPL in Soil

The current nature and extent of COCs in surface soil and subsurface soil as well as investigation and excavation activities at SWMU B-2 are described in this section. **Table 4A** compares the human health RALs for surface soils to the maximum concentration for each COC at SWMU B-2. The RALs used to evaluate risk to ecological receptors at SWMU B-2 compared to maximum residual COC concentrations are summarized in **Table 4B**. **Table 4C** compares the RALs for subsurface soil to the maximum concentration for each COC in subsurface soil at SWMU B-2. **Tables 4D-1 to 4D-4** provide the analytical results for soil samples collected at SWMU B-2 during all previous investigations and evaluated as part of the affected property assessment at the site.

1995 RCRA Facility Investigation

Soil samples were collected from five soil borings (SB01 through SB05) drilled to a depth of 30 feet bgs in March 1995 as part of the RFI (**Appendix 2**). The borings were drilled on the edges of two known trenches to determine the extent of potential contamination and any potential releases associated with the trenches (**Figures 4A-1 and 4B-1**). Surface and subsurface soil samples were analyzed for metals, VOCs, and SVOCs (**Tables 4D-1, 4D-2, and 4D-3**, respectively).

Boring B2-SB01 was completed adjacent to a geophysical anomaly on the south side of the southern trench, and B2-SB02 was completed on the north side of the southern trench. None of the samples from these two borings contained metals above background concentrations.

The remaining three borings were advanced adjacent to the northern trench. One of the boring samples had metals concentrations that exceeded Tier 1 PCLs in samples collected from the Glen Rose Limestone Formation bedrock. Sample B2-SB04 had reported concentrations of 12.0 mg/kg chromium, 16.0 mg/kg lead, and 8.0 mg/kg nickel. These concentrations all slightly exceeded the background levels established for the Glen Rose Limestone of 8.1 mg/kg, 5.5 mg/kg, and 6.8 mg/kg, respectively.

Samples B2-SB03 (29.0 to 30.0 feet bgs) and B2-SB05 (29.0 to 30.0 feet bgs) had reported

concentrations of toluene of 0.006 and 0.01 mg/kg, respectively that were slightly above the RL for toluene of 0.003 mg/kg. Samples B2-SB01 (0.4 to 0.8, 10.5 to 11.0, and 29.0 to 29.5 feet bgs) had reported concentrations of di-n-butylphthalate that exceeded the RAL. The RFI concluded that di-n-butylphthalate is a common laboratory contaminant and it had also been detected in the associated equipment blanks, and therefore is not present as COC at SWMU B-2 (Parsons, 2002a).

Toluene can occasionally be a laboratory contaminant, especially in 1995 when the current stringent quality assurance program was not yet in place. Regardless, toluene was an analyte during the January 2004 confirmation sampling to ensure that no toluene contamination was present after excavation activities were completed. Twenty-three soil confirmation samples were analyzed for toluene, none of which had any detections. Because no toluene was detected in any of the trench sidewall and bottom samples, it is likely that the 1995 detections were associated with laboratory contamination.

The RFI Report recommended additional soil sampling to further delineate metals concentrations in surface soil at SWMU B-2 and concluded that VOCs and SVOCs were not COCs at SWMU B-2 (Parsons, 2002a).

1997 UXO Survey

In September 1997, the two trenches identified during the RFI were excavated. Materials removed from the trenches included burned rifle grenades, a few empty 75mm projectiles, rifle clips, bolts, stock strap rings, together with various types of metal and debris. None of these items were considered to be MEC, but rather MD that was disposed of along with other debris in the trenches. Much of the debris removed from the trenches appeared to have been burned. No soil samples were collected at this time.

Post-RFI Soil Investigations (2003 through 2010)

To address waste and possible MEC in the trenches identified during the RFI, the trenches as well as surrounding anomaly locations were further excavated beginning in September 2003. In January 2004, five bottom samples (B2-BOT01 through B2-BOT05) and 16 sidewall samples (B2-SW01 through B2-SW16) were collected from the excavation area (**Figure 4A-2**). Soil stockpiles remaining at the site following previous RFI activities also required characterization and disposal. All samples were analyzed for explosives, toluene, di-n-butylphthalate, butylbenzylphthalate, and select metals detected above background levels in 1995 (Tables 4D-1 through 4D-4).

Lead exceeded background concentrations and 2,4-DNT was detected above the MQL at one location (B2-BOT02). Samples collected from the stockpiles (B2-SP01 and B2-SP02) showed all analyte concentrations below RALs.

In May 2004, three bottom (B2-BOT06 through B2-BOT08) and seven sidewall confirmation samples (B2-SW17 through B2-SW23) were collected and analyzed for lead after additional excavation was performed to address the lead exceedances identified during the January 2004 excavation. Two sidewall samples exceeded the background concentration for lead (B2-SW19 and B2-SW21 at 85.1 mg/kg and 190 mg/kg, respectively) (Table 4D-3).

A total of 2,214 CY of waste and soil were excavated from the site during the 2003/2004 excavations. The southern trench was excavated to a depth of approximately 16 feet, and the northern trench was excavated to a depth of approximately 6 feet. No MEC was found during excavation activities. Waste material and MD sifted from the excavated soil included munitions canister lids, burned rifle grenades, empty 75mm projectiles, 20mm casings, rifle clips, bolts, stock strap rings, nails, spikes, wire, and metal banding material. Photos taken during the 2003 and 2004 excavations are provided in Appendix 13.

Thirteen soil samples were collected in February and May 2005 to further delineate the horizontal extent lead in surface soil at SWMU B-2 (**Figure 4A-3**). Seven samples (B2-SS11 through B2-SS17

and B2-SS20), exceeded the background concentration for lead (Table 4D-3).

Based on the results of soil sampling conducted in 2004 and 2005, additional excavation of lead-contaminated soil was performed in March 2008 (**Figure 4A-4**). Five locations with lead exceedances in either 2004 or 2005 were excavated, and confirmation samples were collected in their place (B2-SW02, B2-SW14, B2-SS13, B2-SS14, and B2-SS16). The lead results for these samples were well below the 84.5 mg/kg background concentration at 4.40 mg/kg, 2.39 mg/kg, 3.66 mg/kg, 51.38 mg/kg, and 4.39 mg/kg, respectively. Photos taken during the 2008 excavation and sampling are included in Appendix 13.

To further delineate the lateral extent of metals in surface soil, samples were collected from a predetermined 50-foot foot grid that encompassed SWMU B-2 and the surrounding area for XRF in June 2010 (**Figure 4A-5**). Samples were submitted to an analytical laboratory at a rate of 10 percent (one laboratory sample for every 10 XRF samples) to verify the findings of the XRF field survey. The laboratory samples were analyzed for barium, copper, lead, and zinc (Table 4D-3). Laboratory analytical results showed two locations (B2-10-3 and B2-5-12) had zinc concentrations that exceeded the RAL for ecological receptors of 155.8 mg/kg.

In order to address potential data gaps, and to confirm the results of the June 2010 investigation, surface soil samples were collected from select locations in December 2010 and analyzed for lead and zinc (Figure 4A-5). Of the 27 locations sampled all had lead concentrations below the RAL of 500 mg/kg. Three locations had zinc concentrations that exceeded the RAL for ecological receptors of 155.8 mg/kg.

Statistical analysis for the 2004 2,4-DNT exceedance showed the 95% UCL was well below its MQL (also its Tier 1 PCL) of 0.4 mg/kg, and therefore SWMU B-2 soils were considered to meet TCEQ residential criteria at that time. However, to ensure that no 2,4-DNT remained at the site, the sample location (BOT-02) was excavated and disposed of in December 2010. Results for the re-sample (BOT-12) showed no 2,4-DNT present.

Table 4A. Surface Soil Residential Assessment Levels for Human Health Exposure Pathways

COC	Source area size (acres)	TotSoil _{Comb} PCL (mg/kg)	GWSoil PCL		MQL (mg/kg)	Back-ground (mg/kg)	Maximum concentration			
			(mg/kg)	Tier			Sample ID	Sample depth	Sample date	Conc (mg/kg)
Barium	30	8100	220	1	0.3	300	B2-00-13	0 - 0.5	6/18/2010	185
Cadmium	30	51	0.75	1	1	3	B2-BOT04	4 - 4	1/6/2004	2.43 M
Chromium, Total	30	27000	1200	1	20	40.2	B2-SS03	0 - 0.5	12/20/2004	25.7
Copper	30	1300	520	1	0.6	23.2	B2-00-13	0 - 0.5	6/18/2010	15.7 J
Lead	30	500	6606	2	100	84.5	B2-SS44	0 - 0.5	11/8/2004	373.26 M
Nickel	30	840	79	1	2	35.5	B2-SS03	0 - 0.5	12/20/2004	16.13
Zinc	30	9900	2400	1	5	73.2	B2-SS38	0 - 0.5	12/6/2010	440.5

J = the detected concentration was above the MDL and below the RL; M = a matrix effect was present

Residential Assessment Level

Table 4B. Surface Soil Residential Assessment Levels with Ecological Component

COC	Human health PCL ¹ (mg/kg)	Ecological PCL (0 to 0.5 ft)		Ecological PCL (0.5 to 5 ft)		MQL (mg/kg)	Back-ground (mg/kg)	Maximum concentration in areas of ecological concern			
		(mg/kg)	Basis ₂	(mg/kg)	Basis ₂			Sample ID	Sample depth	Sample date	Conc (mg/kg)
Barium	220	330	ESB	330	ESB	0.3	300	B2-00-13	0 - 0.5	6/18/2010	185
Cadmium	0.75	32	ESB	140	ESB	1	3	B2-BOT04	4 - 4	1/6/2004	2.43 M
Chromium, Total	1200	0.4	ESB	0.4	ESB	20	40.2	B2-SS03	0 - 0.5	12/20/2004	25.7
Copper	520	70	ESB	70	ESB	0.6	23.2	B2-00-13	0 - 0.5	6/18/2010	15.7 J
Lead	500	535	Tier 2	535	Tier 2	100	84.5	B2-SS44	0 - 0.5	11/8/2004	373.26 M
Nickel	79	280	ESB	280	ESB	2	35.5	B2-SS03	0 - 0.5	12/20/2004	16.13
Zinc	2400	155.8	Tier 2	155.8	Tier 2	5	73.2	B2-SS38	0 - 0.5	12/6/2010	440.5

J = the detected concentration was above the MDL and below the RL; M = a matrix effect was present

Residential Assessment Level
 Detected concentration exceeds Residential Assessment Level

¹ List the lower of TotSoil_{Comb} and GWSoil values from Table 4A.

² Specify the basis of the ecological PCL (benchmark, MQL, background, Tier 2 PCL, or Tier 3 PCL).

Table 4C. Subsurface Soil Residential Assessment Levels

COC	Source area size (acres)	Air Soil ^{Inh-V} PCL (mg/kg)	GW Soil ^{Ing}		MQL (mg/kg)	Background (mg/kg)	Maximum Concentration				
			PCL (mg/kg)	Tier			Sample ID	Sample Depth Begin	Sample Depth End	Sample Date	Concentration (mg/kg)
Cadmium	30	-	0.75	1	0.25	3	B2-SB04	29	30	3/6/1995	1.5 B
Chromium, Total	30	-	1200	1	20	40.2	B2-BOT01	16	16	1/6/2004	9.3 F
Lead	30	-	3	1	10	84.5	B2-BOT01	16	16	1/6/2004	48.49 M
Nickel	30	-	79	1	2	35.5	B2-BOT01	16	16	1/6/2004	7.14 J

B = detected in laboratory blank sample; F and J = the detected concentration was above the MDL and below the RL; M = a matrix effect was present; "-" = no PCL established for this pathway

Residential Assessment Level

Tables 4D-1 through 4D-4.

Figure 4A-1 – Surface Soil COC Concentration Map (1995) and Figure 4B-1 – Subsurface Soil COC Concentration Map (1995)

Figures 4A-1 and 4B-1 respectively show surface and subsurface soil sample locations from the 1995 RFI. All COC concentrations were below their respective Tier 1 PCLs.

Figure 4A-2 – Surface Soil COC Concentration Map (2004) and Figure 4B-2 – Subsurface Soil COC Concentration Map (2004)

Figures 4A-2 and 4B-2 respectively show surface and subsurface soil confirmation sample locations collected following excavation of the site in 2004. One location exceeded the Tier 2 PCL for lead. This location was excavated and re-sampled in 2008.

Figure 4A-3 – Surface Soil COC Concentration Map (2005)

Figures 4A-3 shows surface soil sample locations collected in 2005. Three locations exceeded the Tier 2 PCL for lead. These locations were excavated and re-sampled in 2008.

Figure 4A-4 – Surface Soil COC Concentration Map (2008)

Figures 4A-3 shows surface soil confirmation sample locations collected in 2008. Three locations exceeded the Tier 2 PCL for lead. These locations were excavated and re-sampled in 2008. All COC concentrations were below their respective Tier 1 PCLs.

Figure 4A-5 – Surface Soil COC Concentration Map (2010)

Figures 4A-5 shows laboratory and XRF surface soil sample collection locations in 2010. Three locations exceeded the Tier 2 PCL for zinc.



Aerial Photo Date: 2013



- SWMU B-2 Site Boundary
- 1995 Surface Soil Sample

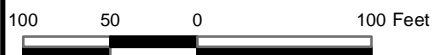
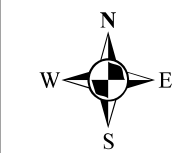


Figure 4A-1
SWMU B-2
Surface Soil COC
Concentration Map (1995)
Camp Stanley Storage Activity

PARSONS



Aerial Photo Date: 2013



- SWMU B-2 Site Boundary
- 1995 Subsurface Soil Sample

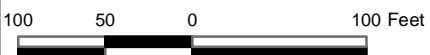
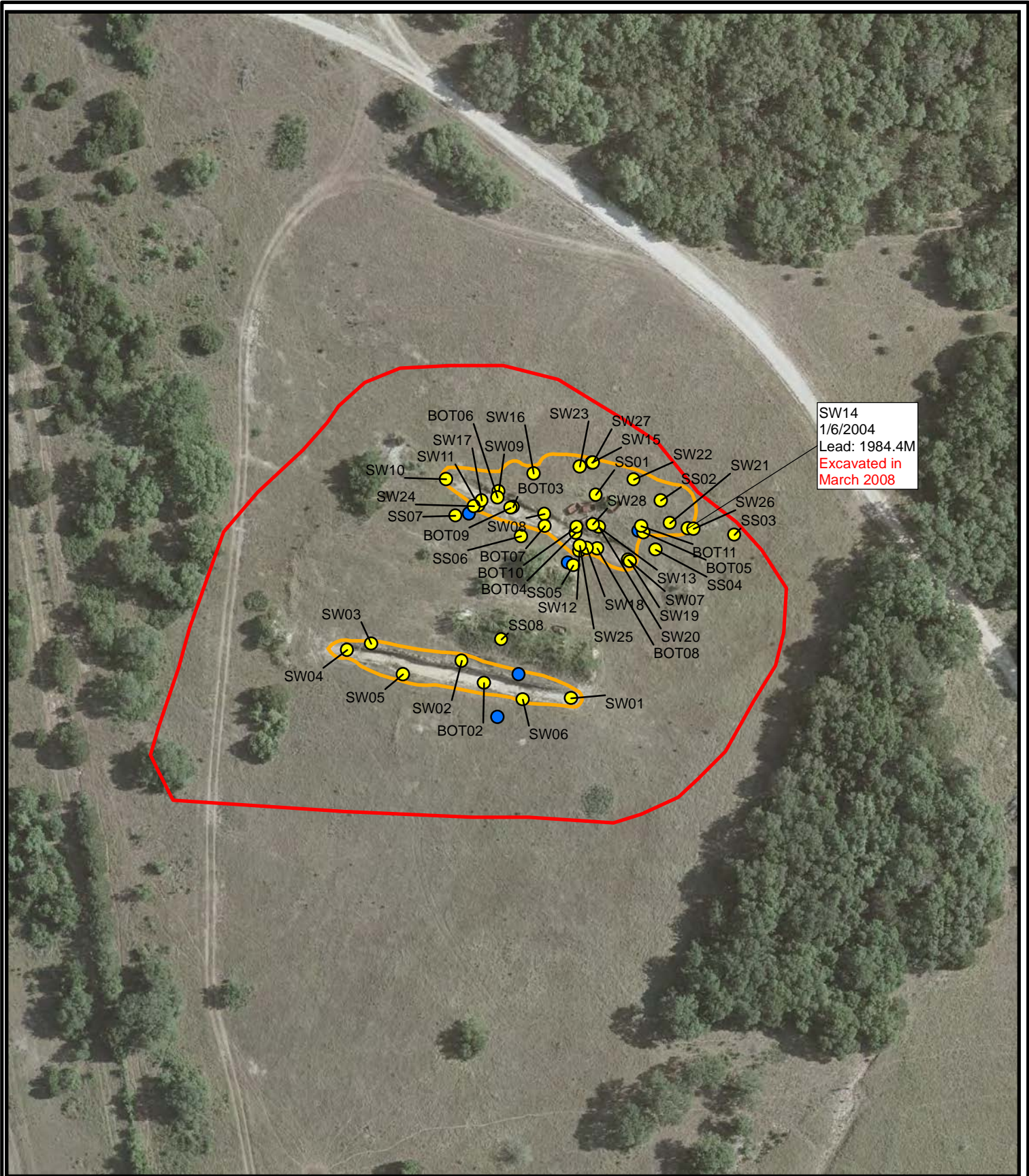


Figure 4B-1
SWMU B-2
Subsurface Soil COC
Concentration Map (1995)
Camp Stanley Storage Activity

PARSONS



Aerial Photo Date: 2013



- SWMU B-2 Site Boundary
 - 1995 Surface Soil Sample
 - 2004 Surface Soil Sample
- Note: All results in mg/kg

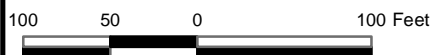
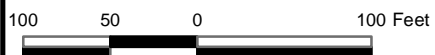


Figure 4A-2
SWMU B-2
Surface Soil COC
Concentration Map (2004)
Camp Stanley Storage Activity

PARSONS



Aerial Photo Date: 2013

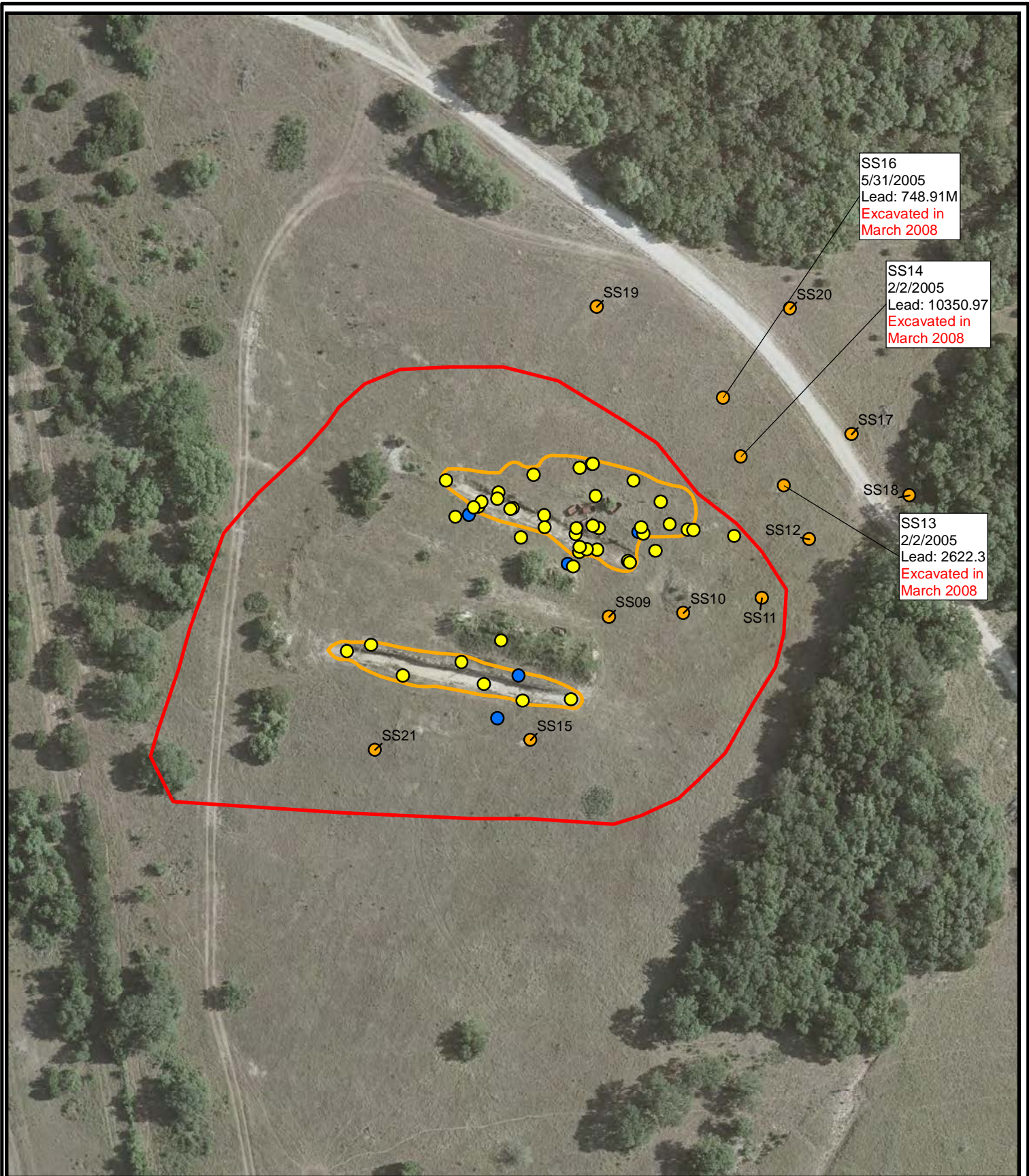


- ▭ SWMU B-2 Site Boundary
- 1995 Subsurface Soil Sample
- 2004 Subsurface Soil Sample

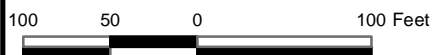
Figure 4B-2

SWMU B-2
Subsurface Soil COC
Concentration Map (2004)
Camp Stanley Storage Activity

PARSONS



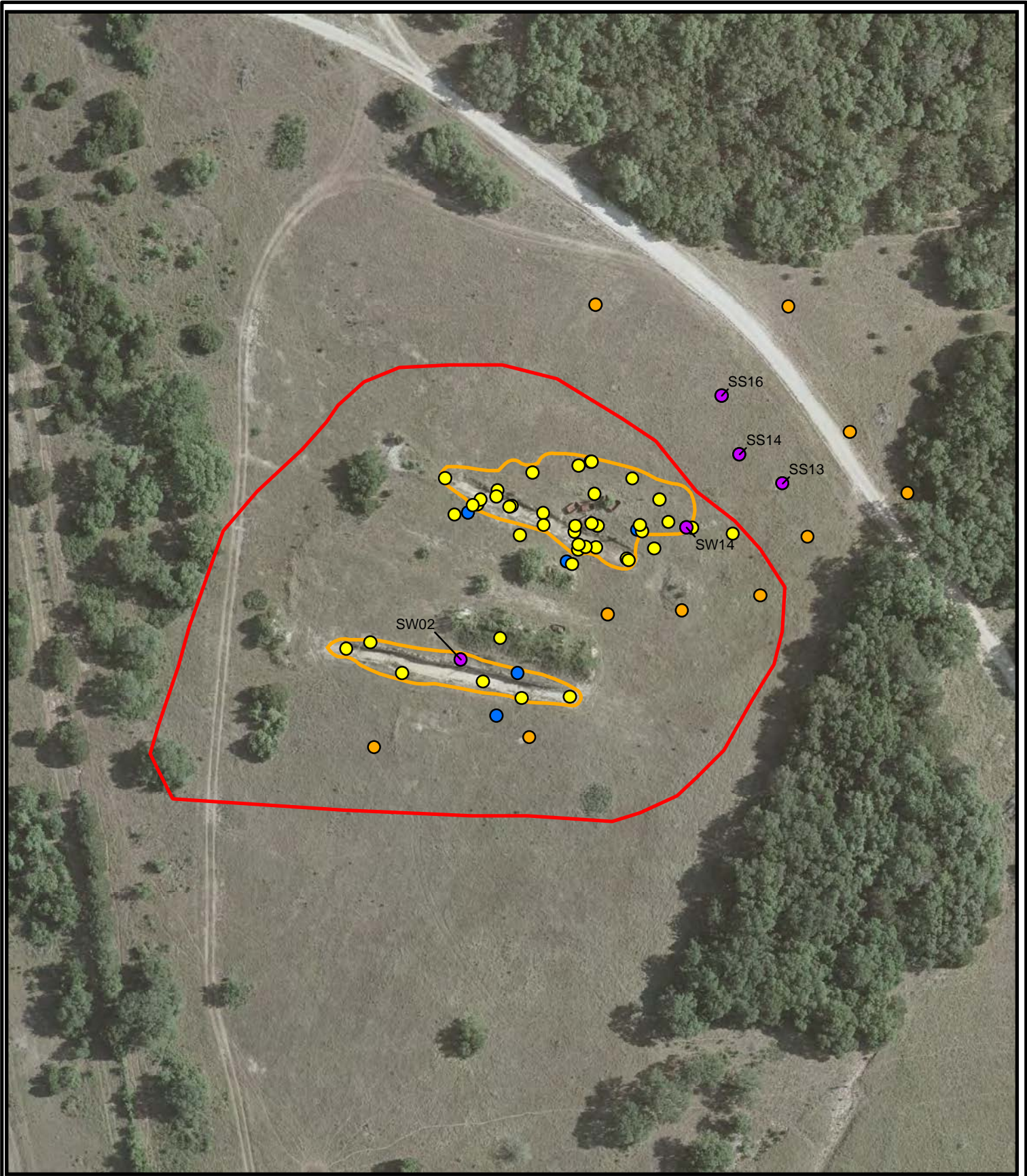
Aerial Photo Date: 2013



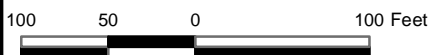
- SWMU B-2 Site Boundary
 - 1995 Surface Soil Sample
 - 2004 Surface Soil Sample
 - 2005 Surface Soil Sample
- Note: All results in mg/kg

Figure 4A-3
SWMU B-2
Surface Soil COC
Concentration Map (2005)
Camp Stanley Storage Activity

PARSONS



Aerial Photo Date: 2013

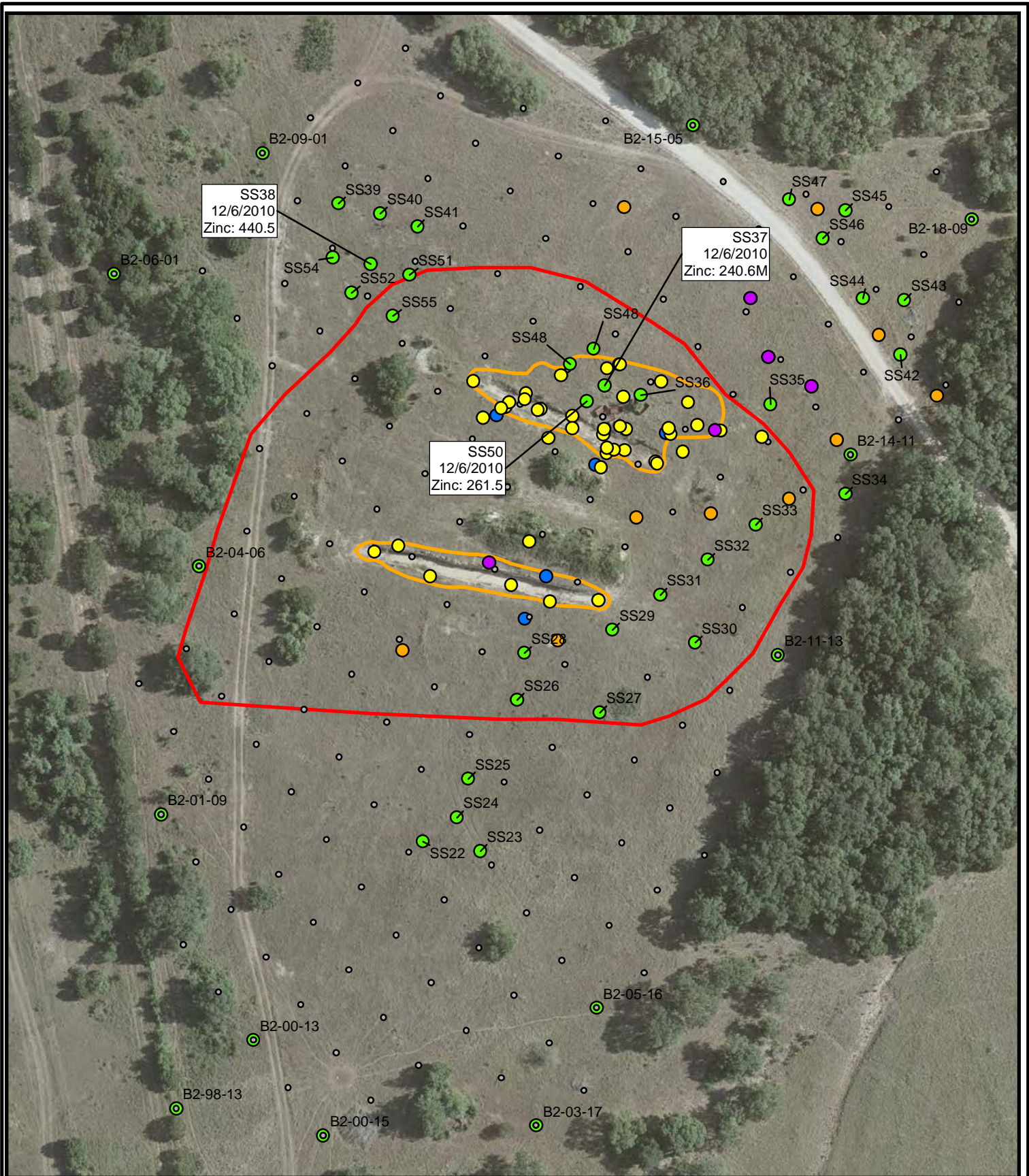


- SWMU B-2 Site Boundary
- 1995 Surface Soil Sample
- 2004 Surface Soil Sample
- 2005 Surface Soil Sample
- 2008 Surface Soil Sample

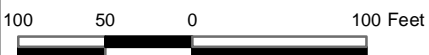
Figure 4A-4

SWMU B-2
Surface Soil COC
Concentration Map (2008)
Camp Stanley Storage Activity

PARSONS



Aerial Photo Date: 2013



- SWMU B-2 Site Boundary
 - 1995 Surface Soil Sample
 - 2004 Surface Soil Sample
 - 2005 Surface Soil Sample
 - 2008 Surface Soil Sample
 - 2010 Surface Soil Sample
 - 2010 XRF Location
- Note: All results in mg/kg

Figure 4A-5
SWMU B-2
Surface Soil COC
Concentration Map (2010)
Camp Stanley Storage Activity

PARSONS

Table 4D-1. Volatiles Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-SB01	3/2/1995	0.4	0.8	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-SB01	3/2/1995	29	29.5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-SB01	3/2/1995	0.4	0.8	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-SB01	3/2/1995	10.5	11	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-SB02	3/3/1995	0.5	1	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-SB02	3/3/1995	6	9	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-SB02	3/3/1995	29	29.5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-SB03	3/3/1995	11	11.5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-SB03	3/3/1995	4	6	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-SB03	3/6/1995	29	30	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	0.006
B2-SB04	3/6/1995	1.8	3	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-SB04	3/6/1995	10	11	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-SB04	3/6/1995	29	30	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	0.006
B2-SB04	3/6/1995	29	30	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-SB05	3/6/1995	0	1.7	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-SB05	3/6/1995	29	30	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	0.01
B2-SB05	3/6/1995	9	10	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.003 U
B2-BOT01	1/6/2004	16	16	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-BOT02	1/6/2004	16	16	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-BOT03	1/6/2004	4	4	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-BOT04	1/6/2004	4	4	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-BOT05	1/6/2004	4	4	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW01	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW02	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW03	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW04	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW05	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW06	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW07	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW08	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW09	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW10	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW11	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW12	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW12	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW13	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW13	1/6/2004	5	5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW14	1/6/2004	3	3	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW15	1/6/2004	3	3	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-SW16	1/6/2004	3	3	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 M
B2-BOT06	5/11/2004	6	6	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 U
B2-BOT07	5/11/2004	6	6	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 U
B2-BOT08	5/11/2004	6	6	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 U
B2-SP01	11/8/2004	0	0.5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 U
B2-SP02	11/8/2004	0	0.5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 U
B2-SS01	12/20/2004	0	0.5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 U
B2-SS02	12/20/2004	0	0.5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 U
B2-SS03	12/20/2004	0	0.5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 U
B2-SS04	12/20/2004	0	0.5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 U
B2-SS05	12/20/2004	0	0.5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 U
B2-SS06	12/20/2004	0	0.5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	<0.005 U
B2-SS07	12/20/2004	0	0.5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	0.0017 F
B2-SS08	12/20/2004	0	0.5	Toluene	R30acr_GW_Soil_Ing	4.1	R30acr_GW_Soil_Ing	4.1	0.0021 M

Detections are bolded

Table 4D-2. Semi-volatiles Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mg/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-BOT06	5/11/2004	6	6	di-n-Butyl phthalate	R30acr_GW_Soil_Ing	1700	R30acr_GW_Soil_Ing	1700	<0.7 U
B2-BOT07	5/11/2004	6	6	di-n-Butyl phthalate	R30acr_GW_Soil_Ing	1700	R30acr_GW_Soil_Ing	1700	<0.7 U
B2-BOT08	5/11/2004	6	6	di-n-Butyl phthalate	R30acr_GW_Soil_Ing	1700	R30acr_GW_Soil_Ing	1700	<0.7 U

Detections are bolded

Table 4D-3. Metals Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-00-13	6/18/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	185
B2-00-13	6/18/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	15.7 J
B2-00-13	6/18/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	37.8
B2-00-13	6/18/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	45.6 J
B2-00-15	6/16/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	136
B2-00-15	6/16/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	10.8 J
B2-00-15	6/16/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	24.8
B2-00-15	6/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	21.8 J
B2-01-09	6/16/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	119 M
B2-01-09	6/16/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	9.9 M
B2-01-09	6/16/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	24.2
B2-01-09	6/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	21.8 M
B2-03-17	6/16/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	125
B2-03-17	6/16/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	12.3 J
B2-03-17	6/16/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	30.3
B2-03-17	6/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	20.2 J
B2-04-06	6/16/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	112
B2-04-06	6/16/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	9.4 J
B2-04-06	6/16/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	28.7
B2-04-06	6/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	25 J
B2-05-16	6/18/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	117
B2-05-16	6/18/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	9.8 J
B2-05-16	6/18/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	39.1
B2-05-16	6/18/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	15.9 J
B2-06-01	6/17/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	50.5
B2-06-01	6/17/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	6 J
B2-06-01	6/17/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	15
B2-06-01	6/17/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	10 J
B2-09-01	6/16/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	83.3
B2-09-01	6/16/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	7.9 J
B2-09-01	6/16/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	22.4
B2-09-01	6/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	22.5 J
B2-11-13	6/16/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	145
B2-11-13	6/16/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	148
B2-11-13	6/16/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	12.3 J
B2-11-13	6/16/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	12.2 J
B2-11-13	6/16/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	41
B2-11-13	6/16/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	42.1
B2-11-13	6/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	27.4 J
B2-11-13	6/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	23.4 J
B2-14-11	6/16/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	134
B2-14-11	6/16/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	12.6 J
B2-14-11	6/16/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	31.8
B2-14-11	6/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	17.6 J
B2-15-05	6/17/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	43.4
B2-15-05	6/17/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	6.2 J
B2-15-05	6/17/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	50.8
B2-15-05	6/17/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	12.5 J
B2-18-09	6/16/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	128
B2-18-09	6/16/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	128
B2-18-09	6/16/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	9.2 J
B2-18-09	6/16/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	9.1 J
B2-18-09	6/16/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	26.4
B2-18-09	6/16/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	27.5
B2-18-09	6/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	12.9 J
B2-18-09	6/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	13.6 J
B2-98-13	6/17/2010	0	0.5	Barium	Surf_Bkgd	300	Surf_Bkgd	300	104
B2-98-13	6/17/2010	0	0.5	Copper	R30acr_GW_Soil_Ing	520	R30acr_GW_Soil_Ing	520	11.5 J
B2-98-13	6/17/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	24.5
B2-98-13	6/17/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	32.7 J
B2-BOT01	1/6/2004	16	16	Cadmium	Subsoil_Bkgd	3	Subsoil_Bkgd	3	0.26 M
B2-BOT01	1/6/2004	16	16	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	9.3 F

Table 4D-3. Metals Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-BOT01	1/6/2004	16	16	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	48.49 M
B2-BOT01	1/6/2004	16	16	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	7.14 J
B2-BOT02	1/6/2004	16	16	Cadmium	Subsoil_Bkgd	3	Subsoil_Bkgd	3	0.21 M
B2-BOT02	1/6/2004	16	16	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	8 F
B2-BOT02	1/6/2004	16	16	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	41 M
B2-BOT02	1/6/2004	16	16	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	6.12 J
B2-BOT03	1/6/2004	4	4	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	2.3 M
B2-BOT03	1/6/2004	4	4	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	13.6 F
B2-BOT03	1/6/2004	4	4	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	313.71 M
B2-BOT03	1/6/2004	4	4	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	10.74 J
B2-BOT04	1/6/2004	4	4	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	2.43 M
B2-BOT04	1/6/2004	4	4	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	13.9 F
B2-BOT04	1/6/2004	4	4	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	108.81 M
B2-BOT04	1/6/2004	4	4	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	10.46 J
B2-BOT05	1/6/2004	4	4	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.2 M
B2-BOT05	1/6/2004	4	4	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	9.5 F
B2-BOT05	1/6/2004	4	4	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	190.89 M
B2-BOT05	1/6/2004	4	4	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	6.94 J
B2-BOT06	5/11/2004	6	6	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	51.66 M
B2-BOT07	5/11/2004	6	6	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	54.11 M
B2-BOT08	5/11/2004	6	6	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	83.88 M
B2-BOT09	11/8/2004	6	6	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	123.63 M
B2-BOT10	11/8/2004	6	6	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	125.16 M
B2-BOT11	11/8/2004	6	6	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	25.61 M
B2-SB01	3/2/1995	0.4	0.8	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	1.4 B
B2-SB01	3/2/1995	0.4	0.8	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	1.1 B
B2-SB01	3/2/1995	0.4	0.8	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	6.7
B2-SB01	3/2/1995	0.4	0.8	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	8.4
B2-SB01	3/2/1995	0.4	0.8	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	6.4
B2-SB01	3/2/1995	0.4	0.8	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	7.9
B2-SB01	3/2/1995	0.4	0.8	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	3.8
B2-SB01	3/2/1995	0.4	0.8	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	5.1
B2-SB01	3/2/1995	10.5	11	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.47 B
B2-SB01	3/2/1995	10.5	11	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	2.1 B
B2-SB01	3/2/1995	10.5	11	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	<1.5 U
B2-SB01	3/2/1995	10.5	11	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	2.3
B2-SB01	3/2/1995	29	29.5	Cadmium	Subsoil_Bkgd	3	Subsoil_Bkgd	3	0.54 B
B2-SB01	3/2/1995	29	29.5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	2.3 B
B2-SB01	3/2/1995	29	29.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	2
B2-SB01	3/2/1995	29	29.5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	4.4
B2-SB02	3/3/1995	0.5	1	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	2.3 B
B2-SB02	3/3/1995	0.5	1	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	14
B2-SB02	3/3/1995	0.5	1	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	18
B2-SB02	3/3/1995	0.5	1	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	8.3
B2-SB02	3/3/1995	6	9	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.91 B
B2-SB02	3/3/1995	6	9	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	3.7
B2-SB02	3/3/1995	6	9	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	2.5
B2-SB02	3/3/1995	6	9	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	2.1
B2-SB02	3/3/1995	29	29.5	Cadmium	Subsoil_Bkgd	3	Subsoil_Bkgd	3	0.48 B
B2-SB02	3/3/1995	29	29.5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	1.9 B
B2-SB02	3/3/1995	29	29.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	<1.5 U
B2-SB02	3/3/1995	29	29.5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	7
B2-SB03	3/3/1995	4	6	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.63 B
B2-SB03	3/3/1995	4	6	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	2.8 B
B2-SB03	3/3/1995	4	6	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	<1.5 U
B2-SB03	3/3/1995	4	6	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	2
B2-SB03	3/3/1995	11	11.5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.99 B
B2-SB03	3/3/1995	11	11.5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	4.4
B2-SB03	3/3/1995	11	11.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	3.8
B2-SB03	3/3/1995	11	11.5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	2
B2-SB03	3/6/1995	29	30	Cadmium	Subsoil_Bkgd	3	Subsoil_Bkgd	3	0.8 B
B2-SB03	3/6/1995	29	30	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	2.3 B

Table 4D-3. Metals Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-SB03	3/6/1995	29	30	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	3.3
B2-SB03	3/6/1995	29	30	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	4.5
B2-SB04	3/6/1995	1.8	3	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	1.9 B
B2-SB04	3/6/1995	1.8	3	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	12
B2-SB04	3/6/1995	1.8	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	16
B2-SB04	3/6/1995	1.8	3	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	8
B2-SB04	3/6/1995	10	11	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.74 B
B2-SB04	3/6/1995	10	11	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	3.4
B2-SB04	3/6/1995	10	11	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	2.9
B2-SB04	3/6/1995	10	11	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	3.2
B2-SB04	3/6/1995	29	30	Cadmium	Subsoil_Bkgd	3	Subsoil_Bkgd	3	1.5 B
B2-SB04	3/6/1995	29	30	Chromium, Total	Subsoil_Bkgd	3	Subsoil_Bkgd	3	1.3 B
B2-SB04	3/6/1995	29	30	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	2.7 B
B2-SB04	3/6/1995	29	30	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	1.3 B
B2-SB04	3/6/1995	29	30	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	3.1
B2-SB04	3/6/1995	29	30	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	2.4
B2-SB04	3/6/1995	29	30	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	5.3
B2-SB04	3/6/1995	29	30	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	3.3
B2-SB05	3/6/1995	0	1.7	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.78 B
B2-SB05	3/6/1995	0	1.7	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	3.7
B2-SB05	3/6/1995	0	1.7	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	3.5
B2-SB05	3/6/1995	0	1.7	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	2.6
B2-SB05	3/6/1995	9	10	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.54 B
B2-SB05	3/6/1995	9	10	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	2.2 B
B2-SB05	3/6/1995	9	10	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	<1.5 U
B2-SB05	3/6/1995	9	10	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	2.2
B2-SB05	3/6/1995	29	30	Cadmium	Subsoil_Bkgd	3	Subsoil_Bkgd	3	1 B
B2-SB05	3/6/1995	29	30	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	3.7
B2-SB05	3/6/1995	29	30	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	4.7
B2-SB05	3/6/1995	29	30	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	4.4
B2-SP01	11/8/2004	0	0.5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.27 M
B2-SP01	11/8/2004	0	0.5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	22.4
B2-SP01	11/8/2004	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	75.95 M
B2-SP01	11/8/2004	0	0.5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	13.11 M
B2-SP02	11/8/2004	0	0.5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.2 M
B2-SP02	11/8/2004	0	0.5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	15.1 F
B2-SP02	11/8/2004	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	46.29 M
B2-SP02	11/8/2004	0	0.5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	6.81 M
B2-SS01	12/20/2004	0	0.5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.8 M
B2-SS01	12/20/2004	0	0.5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	14.9 F
B2-SS01	12/20/2004	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	52.62
B2-SS01	12/20/2004	0	0.5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	6.13
B2-SS02	12/20/2004	0	0.5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.35 M
B2-SS02	12/20/2004	0	0.5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	11.3 F
B2-SS02	12/20/2004	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	76.08
B2-SS02	12/20/2004	0	0.5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	4.67
B2-SS03	12/20/2004	0	0.5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.56 M
B2-SS03	12/20/2004	0	0.5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	25.7
B2-SS03	12/20/2004	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	287.24
B2-SS03	12/20/2004	0	0.5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	16.13
B2-SS04	12/20/2004	0	0.5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.29 M
B2-SS04	12/20/2004	0	0.5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	12 F
B2-SS04	12/20/2004	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	151.7
B2-SS04	12/20/2004	0	0.5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	5.3
B2-SS05	12/20/2004	0	0.5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.25 M
B2-SS05	12/20/2004	0	0.5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	14.6 F
B2-SS05	12/20/2004	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	94.09
B2-SS05	12/20/2004	0	0.5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	5.42
B2-SS06	12/20/2004	0	0.5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.3 M
B2-SS06	12/20/2004	0	0.5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	17.1 F
B2-SS06	12/20/2004	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	73.44
B2-SS06	12/20/2004	0	0.5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	8.42

Table 4D-3. Metals Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-SS07	12/20/2004	0	0.5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.3 M
B2-SS07	12/20/2004	0	0.5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	15.5 F
B2-SS07	12/20/2004	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	63.13
B2-SS07	12/20/2004	0	0.5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	7.05
B2-SS08	12/20/2004	0	0.5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.41 M
B2-SS08	12/20/2004	0	0.5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	14.3 F
B2-SS08	12/20/2004	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	73.33
B2-SS08	12/20/2004	0	0.5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	7.3
B2-SS09	2/2/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	60.91
B2-SS10	2/2/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	60.03
B2-SS11	2/2/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	98.96
B2-SS12	2/2/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	141.83
B2-SS12	2/2/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	139.02
B2-SS13	2/2/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	2622.3
B2-SS13	3/4/2008	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	3.66
B2-SS14	2/2/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	10350.97
B2-SS14	3/4/2008	2	2	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	51.38
B2-SS15	5/31/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	88.93 M
B2-SS16	5/31/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	748.91 M
B2-SS16	3/4/2008	2	2	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	4.39
B2-SS17	5/31/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	274.71 M
B2-SS18	5/31/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	66.38 M
B2-SS19	5/31/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	36.41 M
B2-SS20	5/31/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	206.89 M
B2-SS20	5/31/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	253.33 M
B2-SS21	5/31/2005	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	40.98 M
B2-SS22	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	26.42
B2-SS22	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	43
B2-SS23	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	35.74
B2-SS23	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	81.3
B2-SS24	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	60.62
B2-SS24	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	115.2
B2-SS25	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	61.35
B2-SS25	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	49.3
B2-SS26	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	45.64
B2-SS26	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	40
B2-SS27	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	75.64
B2-SS27	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	39
B2-SS28	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	170.23
B2-SS28	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	46
B2-SS29	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	48.26
B2-SS29	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	36.5
B2-SS30	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	94.55
B2-SS30	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	118.45
B2-SS30	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	31
B2-SS30	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	24.9
B2-SS31	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	77.1
B2-SS31	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	23.6
B2-SS32	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	239.98
B2-SS32	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	69.8
B2-SS33	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	207.87
B2-SS33	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	40.5
B2-SS34	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	26.29
B2-SS34	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	33.5
B2-SS35	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	43.71
B2-SS35	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	31.6
B2-SS36	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	63.33
B2-SS36	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	68.5
B2-SS37	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	18.92 M
B2-SS37	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	240.6 M
B2-SS38	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	58.07
B2-SS38	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	65.75

Table 4D-3. Metals Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-SS38	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	440.5
B2-SS38	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	390.9
B2-SS39	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	25.55
B2-SS39	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	60.8
B2-SS40	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	29.91
B2-SS40	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	149.6
B2-SS41	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	21.76
B2-SS41	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	47.2
B2-SS42	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	58.01
B2-SS42	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	26.4
B2-SS43	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	29.74
B2-SS43	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	28
B2-SS44	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	349.32
B2-SS44	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	21.6
B2-SS45	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	13.68
B2-SS45	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	20.2
B2-SS46	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	259.38 J
B2-SS46	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	90.8 J
B2-SS46	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	19.1
B2-SS46	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	19.8
B2-SS47	12/6/2010	0	0.5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	28.01 M
B2-SS47	12/6/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	22 M
B2-SS48	12/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	38.9
B2-SS49	12/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	45.3
B2-SS50	12/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	261.5
B2-SS51	12/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	38.5
B2-SS52	12/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	104.7
B2-SS53	12/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	45.4
B2-SS54	12/16/2010	0	0.5	Zinc	R30acr_GW_Soil_Ing	155.8	R30acr_GW_Soil_Ing	155.8	73.4
B2-SW01	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.41 M
B2-SW01	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	8.4 F
B2-SW01	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	48.57 M
B2-SW01	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	7.99 J
B2-SW02	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.28 M
B2-SW02	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	10.5 F
B2-SW02	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	53.45 M
B2-SW02	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	8.03 J
B2-SW02	3/4/2008	7	7	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	4.4
B2-SW03	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.27 M
B2-SW03	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	16.1 F
B2-SW03	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	34.57 M
B2-SW03	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	11.2 J
B2-SW04	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.19 M
B2-SW04	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	8.8 F
B2-SW04	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	34.54 M
B2-SW04	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	7.07 J
B2-SW05	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.23 M
B2-SW05	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	7.9 F
B2-SW05	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	41.83 M
B2-SW05	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	6.69 J
B2-SW06	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.84 M
B2-SW06	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	20 J
B2-SW06	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	155.89 M
B2-SW06	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	13.57 J
B2-SW07	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.2 M
B2-SW07	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	10.4 F
B2-SW07	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	124.74 M
B2-SW07	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	7.54 J
B2-SW08	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.27 M
B2-SW08	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	24.4 J
B2-SW08	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	22.22 M
B2-SW08	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	15.08 J

Table 4D-3. Metals Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-SW09	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.1 M
B2-SW09	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	5.7 F
B2-SW09	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	37.47 M
B2-SW09	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	4.5 J
B2-SW10	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.09 M
B2-SW10	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	4.6 F
B2-SW10	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	58.89 M
B2-SW10	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	4.58 J
B2-SW11	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.77 M
B2-SW11	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	15.7 F
B2-SW11	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	93.58 M
B2-SW11	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	11.35 J
B2-SW12	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.49 M
B2-SW12	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.42 M
B2-SW12	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	20.6 J
B2-SW12	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	14.4 F
B2-SW12	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	94.34 M
B2-SW12	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	93.52 M
B2-SW12	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	10.14 J
B2-SW12	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	14.81 J
B2-SW13	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.27 M
B2-SW13	1/6/2004	5	5	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.38 M
B2-SW13	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	24.3 J
B2-SW13	1/6/2004	5	5	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	23.8 J
B2-SW13	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	155.03 M
B2-SW13	1/6/2004	5	5	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	86.56 M
B2-SW13	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	15.84 J
B2-SW13	1/6/2004	5	5	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	15.63 J
B2-SW14	1/6/2004	3	3	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.3 M
B2-SW14	1/6/2004	3	3	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	17.6 F
B2-SW14	1/6/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	1984.4 M
B2-SW14	1/6/2004	3	3	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	12.1 J
B2-SW14	3/4/2008	4	4	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	2.39
B2-SW15	1/6/2004	3	3	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.65 M
B2-SW15	1/6/2004	3	3	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	21.4 J
B2-SW15	1/6/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	283.38 M
B2-SW15	1/6/2004	3	3	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	14.94 J
B2-SW16	1/6/2004	3	3	Cadmium	Surf_Bkgd	3	Surf_Bkgd	3	0.46 M
B2-SW16	1/6/2004	3	3	Chromium, Total	R30acr_GW_Soil_Ing	1200	R30acr_GW_Soil_Ing	1200	15.1 F
B2-SW16	1/6/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	57.31 M
B2-SW16	1/6/2004	3	3	Nickel	R30acr_GW_Soil_Ing	79	R30acr_GW_Soil_Ing	79	9.88 J
B2-SW17	5/11/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	17.71 M
B2-SW18	5/11/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	61.44 M
B2-SW19	5/11/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	85.13 M
B2-SW20	5/11/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	39.17 M
B2-SW21	5/11/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	189.73 M
B2-SW22	5/11/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	28.42 M
B2-SW23	5/11/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	83.15 M
B2-SW24	11/8/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	107.77 M
B2-SW25	11/8/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	222.41 M
B2-SW26	11/8/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	105.9 M
B2-SW27	11/8/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	37.03 M
B2-SW28	11/8/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	48.34 M
B2-SW28	11/8/2004	3	3	Lead	R30acr_GW_Soil_Ing	500	R30acr_GW_Soil_Ing	500	373.26 M

Detections are bolded

Concentration (detected or not detected) exceeds Residential Assessment Level

Concentration (detected or not detected) exceeds soil Critical PCL

Sample location has been excavated.

Table 4D-4. Explosives Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-BOT01	1/6/2004	16	16	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT01	1/6/2004	16	16	Dinitrotoluene, 2,4-	R30acr_GW_Soil_Ing	0.003	R30acr_GW_Soil_Ing	0.003	<0.4 U
B2-BOT01	1/6/2004	16	16	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT01	1/6/2004	16	16	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT01	1/6/2004	16	16	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT01	1/6/2004	16	16	HMX	R30acr_GW_Soil_Ing	1.2	R30acr_GW_Soil_Ing	1.2	<0.4 U
B2-BOT01	1/6/2004	16	16	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT01	1/6/2004	16	16	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT01	1/6/2004	16	16	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-BOT01	1/6/2004	16	16	Nitrotoluene, 4-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT01	1/6/2004	16	16	RDX	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT01	1/6/2004	16	16	Tetryl	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT01	1/6/2004	16	16	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-BOT01	1/6/2004	16	16	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT02	1/6/2004	16	16	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT02	1/6/2004	16	16	Dinitrotoluene, 2,4-	R30acr_GW_Soil_Ing	0.003	R30acr_GW_Soil_Ing	0.003	0.55
B2-BOT02	1/6/2004	16	16	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT02	1/6/2004	16	16	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT02	1/6/2004	16	16	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT02	1/6/2004	16	16	HMX	R30acr_GW_Soil_Ing	1.2	R30acr_GW_Soil_Ing	1.2	<0.4 U
B2-BOT02	1/6/2004	16	16	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT02	1/6/2004	16	16	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT02	1/6/2004	16	16	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-BOT02	1/6/2004	16	16	Nitrotoluene, 4-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT02	1/6/2004	16	16	RDX	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT02	1/6/2004	16	16	Tetryl	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT02	1/6/2004	16	16	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-BOT02	1/6/2004	16	16	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT03	1/6/2004	4	4	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT03	1/6/2004	4	4	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-BOT03	1/6/2004	4	4	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT03	1/6/2004	4	4	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT03	1/6/2004	4	4	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT03	1/6/2004	4	4	HMX	MLQ	2.2	MLQ	2.2	<0.4 U
B2-BOT03	1/6/2004	4	4	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT03	1/6/2004	4	4	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT03	1/6/2004	4	4	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-BOT03	1/6/2004	4	4	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-BOT03	1/6/2004	4	4	RDX	MLQ	1	MLQ	1	<0.4 U
B2-BOT03	1/6/2004	4	4	Tetryl	MLQ	0.65	MLQ	0.65	<0.4 U
B2-BOT03	1/6/2004	4	4	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-BOT03	1/6/2004	4	4	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT04	1/6/2004	4	4	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT04	1/6/2004	4	4	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-BOT04	1/6/2004	4	4	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT04	1/6/2004	4	4	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT04	1/6/2004	4	4	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT04	1/6/2004	4	4	HMX	MLQ	2.2	MLQ	2.2	<0.4 U
B2-BOT04	1/6/2004	4	4	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT04	1/6/2004	4	4	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT04	1/6/2004	4	4	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-BOT04	1/6/2004	4	4	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-BOT04	1/6/2004	4	4	RDX	MLQ	1	MLQ	1	<0.4 U
B2-BOT04	1/6/2004	4	4	Tetryl	MLQ	0.65	MLQ	0.65	<0.4 U
B2-BOT04	1/6/2004	4	4	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-BOT04	1/6/2004	4	4	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT05	1/6/2004	4	4	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT05	1/6/2004	4	4	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-BOT05	1/6/2004	4	4	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT05	1/6/2004	4	4	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT05	1/6/2004	4	4	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT05	1/6/2004	4	4	HMX	MLQ	2.2	MLQ	2.2	<0.4 U
B2-BOT05	1/6/2004	4	4	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT05	1/6/2004	4	4	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT05	1/6/2004	4	4	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-BOT05	1/6/2004	4	4	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-BOT05	1/6/2004	4	4	RDX	MLQ	1	MLQ	1	<0.4 U
B2-BOT05	1/6/2004	4	4	Tetryl	MLQ	0.65	MLQ	0.65	<0.4 U

Table 4D-4. Explosives Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-BOT05	1/6/2004	4	4	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-BOT05	1/6/2004	4	4	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-BOT12	12/6/2010	8.5	9	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-BOT12	12/6/2010	8.5	9	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-BOT12	12/6/2010	8.5	9	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.26 U
B2-BOT12	12/6/2010	8.5	9	HMX	MLQ	2.2	MLQ	2.2	<2.2 U
B2-BOT12	12/6/2010	8.5	9	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.26 U
B2-BOT12	12/6/2010	8.5	9	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-BOT12	12/6/2010	8.5	9	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.6 U
B2-BOT12	12/6/2010	8.5	9	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-BOT12	12/6/2010	8.5	9	RDX	MLQ	1	MLQ	1	<1 U
B2-BOT12	12/6/2010	8.5	9	Tetryl	MLQ	0.65	MLQ	0.65	<0.65 U
B2-BOT12	12/6/2010	8.5	9	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.25 U
B2-BOT12	12/6/2010	8.5	9	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SP01	11/8/2004	0	0.5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SP01	11/8/2004	0	0.5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SP01	11/8/2004	0	0.5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SP01	11/8/2004	0	0.5	HMX	MLQ	2.2	MLQ	2.2	<2.2 U
B2-SP01	11/8/2004	0	0.5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SP01	11/8/2004	0	0.5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SP01	11/8/2004	0	0.5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.6 U
B2-SP01	11/8/2004	0	0.5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SP01	11/8/2004	0	0.5	RDX	MLQ	1	MLQ	1	<1 U
B2-SP01	11/8/2004	0	0.5	Tetryl	MLQ	0.65	MLQ	0.65	<0.65 U
B2-SP01	11/8/2004	0	0.5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.25 U
B2-SP01	11/8/2004	0	0.5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SP02	11/8/2004	0	0.5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SP02	11/8/2004	0	0.5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SP02	11/8/2004	0	0.5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SP02	11/8/2004	0	0.5	HMX	MLQ	2.2	MLQ	2.2	<2.2 U
B2-SP02	11/8/2004	0	0.5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SP02	11/8/2004	0	0.5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SP02	11/8/2004	0	0.5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.6 U
B2-SP02	11/8/2004	0	0.5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SP02	11/8/2004	0	0.5	RDX	MLQ	1	MLQ	1	<1 U
B2-SP02	11/8/2004	0	0.5	Tetryl	MLQ	0.65	MLQ	0.65	<0.65 U
B2-SP02	11/8/2004	0	0.5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.25 U
B2-SP02	11/8/2004	0	0.5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS01	12/20/2004	0	0.5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS01	12/20/2004	0	0.5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS01	12/20/2004	0	0.5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS01	12/20/2004	0	0.5	HMX	MLQ	2.2	MLQ	2.2	<2.2 U
B2-SS01	12/20/2004	0	0.5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS01	12/20/2004	0	0.5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS01	12/20/2004	0	0.5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.6 U
B2-SS01	12/20/2004	0	0.5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS01	12/20/2004	0	0.5	RDX	MLQ	1	MLQ	1	<1 M
B2-SS01	12/20/2004	0	0.5	Tetryl	MLQ	0.65	MLQ	0.65	<0.65 U
B2-SS01	12/20/2004	0	0.5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.25 U
B2-SS01	12/20/2004	0	0.5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS02	12/20/2004	0	0.5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS02	12/20/2004	0	0.5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS02	12/20/2004	0	0.5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS02	12/20/2004	0	0.5	HMX	MLQ	2.2	MLQ	2.2	<2.2 U
B2-SS02	12/20/2004	0	0.5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS02	12/20/2004	0	0.5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS02	12/20/2004	0	0.5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.6 U
B2-SS02	12/20/2004	0	0.5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS02	12/20/2004	0	0.5	RDX	MLQ	1	MLQ	1	<1 U
B2-SS02	12/20/2004	0	0.5	Tetryl	MLQ	0.65	MLQ	0.65	<0.65 U
B2-SS02	12/20/2004	0	0.5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.25 U
B2-SS02	12/20/2004	0	0.5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS03	12/20/2004	0	0.5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS03	12/20/2004	0	0.5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS03	12/20/2004	0	0.5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS03	12/20/2004	0	0.5	HMX	MLQ	2.2	MLQ	2.2	<2.2 U
B2-SS03	12/20/2004	0	0.5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS03	12/20/2004	0	0.5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.25 U

Table 4D-4. Explosives Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-SS03	12/20/2004	0	0.5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.6 U
B2-SS03	12/20/2004	0	0.5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS03	12/20/2004	0	0.5	RDX	MLQ	1	MLQ	1	<1 U
B2-SS03	12/20/2004	0	0.5	Tetryl	MLQ	0.65	MLQ	0.65	<0.65 U
B2-SS03	12/20/2004	0	0.5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.25 U
B2-SS03	12/20/2004	0	0.5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS04	12/20/2004	0	0.5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS04	12/20/2004	0	0.5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS04	12/20/2004	0	0.5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS04	12/20/2004	0	0.5	HMX	MLQ	2.2	MLQ	2.2	<2.2 U
B2-SS04	12/20/2004	0	0.5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS04	12/20/2004	0	0.5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS04	12/20/2004	0	0.5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.6 U
B2-SS04	12/20/2004	0	0.5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS04	12/20/2004	0	0.5	RDX	MLQ	1	MLQ	1	<1 U
B2-SS04	12/20/2004	0	0.5	Tetryl	MLQ	0.65	MLQ	0.65	<0.65 U
B2-SS04	12/20/2004	0	0.5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.25 U
B2-SS04	12/20/2004	0	0.5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS05	12/20/2004	0	0.5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS05	12/20/2004	0	0.5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS05	12/20/2004	0	0.5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS05	12/20/2004	0	0.5	HMX	MLQ	2.2	MLQ	2.2	<2.2 U
B2-SS05	12/20/2004	0	0.5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS05	12/20/2004	0	0.5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS05	12/20/2004	0	0.5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.6 U
B2-SS05	12/20/2004	0	0.5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS05	12/20/2004	0	0.5	RDX	MLQ	1	MLQ	1	<1 U
B2-SS05	12/20/2004	0	0.5	Tetryl	MLQ	0.65	MLQ	0.65	<0.65 U
B2-SS05	12/20/2004	0	0.5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.25 U
B2-SS05	12/20/2004	0	0.5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS06	12/20/2004	0	0.5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS06	12/20/2004	0	0.5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS06	12/20/2004	0	0.5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS06	12/20/2004	0	0.5	HMX	MLQ	2.2	MLQ	2.2	<2.2 U
B2-SS06	12/20/2004	0	0.5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS06	12/20/2004	0	0.5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS06	12/20/2004	0	0.5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.6 U
B2-SS06	12/20/2004	0	0.5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS06	12/20/2004	0	0.5	RDX	MLQ	1	MLQ	1	<1 U
B2-SS06	12/20/2004	0	0.5	Tetryl	MLQ	0.65	MLQ	0.65	<0.65 U
B2-SS06	12/20/2004	0	0.5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.25 U
B2-SS06	12/20/2004	0	0.5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS07	12/20/2004	0	0.5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS07	12/20/2004	0	0.5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS07	12/20/2004	0	0.5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS07	12/20/2004	0	0.5	HMX	MLQ	2.2	MLQ	2.2	<2.2 U
B2-SS07	12/20/2004	0	0.5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS07	12/20/2004	0	0.5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS07	12/20/2004	0	0.5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.6 U
B2-SS07	12/20/2004	0	0.5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS07	12/20/2004	0	0.5	RDX	MLQ	1	MLQ	1	<1 U
B2-SS07	12/20/2004	0	0.5	Tetryl	MLQ	0.65	MLQ	0.65	<0.65 U
B2-SS07	12/20/2004	0	0.5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.25 U
B2-SS07	12/20/2004	0	0.5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS08	12/20/2004	0	0.5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS08	12/20/2004	0	0.5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS08	12/20/2004	0	0.5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS08	12/20/2004	0	0.5	HMX	MLQ	2.2	MLQ	2.2	<2.2 U
B2-SS08	12/20/2004	0	0.5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.26 U
B2-SS08	12/20/2004	0	0.5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SS08	12/20/2004	0	0.5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.6 U
B2-SS08	12/20/2004	0	0.5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.5 U
B2-SS08	12/20/2004	0	0.5	RDX	MLQ	1	MLQ	1	<1 U
B2-SS08	12/20/2004	0	0.5	Tetryl	MLQ	0.65	MLQ	0.65	<0.65 U
B2-SS08	12/20/2004	0	0.5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.25 U
B2-SS08	12/20/2004	0	0.5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.25 U
B2-SW01	1/6/2004	5	5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW01	1/6/2004	5	5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U

Table 4D-4. Explosives Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-SW01	1/6/2004	5	5	Dinitrotoluene, 2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW01	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW01	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW01	1/6/2004	5	5	HMX	MQL	2.2	MQL	2.2	<0.4 U
B2-SW01	1/6/2004	5	5	Nitrobenzene	MQL	0.4	MQL	0.4	<0.4 U
B2-SW01	1/6/2004	5	5	Nitrotoluene, 2-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW01	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW01	1/6/2004	5	5	Nitrotoluene, 4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW01	1/6/2004	5	5	RDX	MQL	1	MQL	1	<0.4 U
B2-SW01	1/6/2004	5	5	Tetryl	MQL	0.65	MQL	0.65	<0.4 U
B2-SW01	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW01	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW02	1/6/2004	5	5	Dinitrobenzene, 1,3-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW02	1/6/2004	5	5	Dinitrotoluene, 2,4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW02	1/6/2004	5	5	Dinitrotoluene, 2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW02	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW02	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW02	1/6/2004	5	5	HMX	MQL	2.2	MQL	2.2	<0.4 U
B2-SW02	1/6/2004	5	5	Nitrobenzene	MQL	0.4	MQL	0.4	<0.4 U
B2-SW02	1/6/2004	5	5	Nitrotoluene, 2-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW02	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW02	1/6/2004	5	5	Nitrotoluene, 4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW02	1/6/2004	5	5	RDX	MQL	1	MQL	1	<0.4 U
B2-SW02	1/6/2004	5	5	Tetryl	MQL	0.65	MQL	0.65	<0.4 U
B2-SW02	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW02	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW03	1/6/2004	5	5	Dinitrobenzene, 1,3-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW03	1/6/2004	5	5	Dinitrotoluene, 2,4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW03	1/6/2004	5	5	Dinitrotoluene, 2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW03	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW03	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW03	1/6/2004	5	5	HMX	MQL	2.2	MQL	2.2	<0.4 U
B2-SW03	1/6/2004	5	5	Nitrobenzene	MQL	0.4	MQL	0.4	<0.4 U
B2-SW03	1/6/2004	5	5	Nitrotoluene, 2-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW03	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW03	1/6/2004	5	5	Nitrotoluene, 4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW03	1/6/2004	5	5	RDX	MQL	1	MQL	1	<0.4 U
B2-SW03	1/6/2004	5	5	Tetryl	MQL	0.65	MQL	0.65	<0.4 U
B2-SW03	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW03	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW04	1/6/2004	5	5	Dinitrobenzene, 1,3-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW04	1/6/2004	5	5	Dinitrotoluene, 2,4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW04	1/6/2004	5	5	Dinitrotoluene, 2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW04	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW04	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW04	1/6/2004	5	5	HMX	MQL	2.2	MQL	2.2	<0.4 U
B2-SW04	1/6/2004	5	5	Nitrobenzene	MQL	0.4	MQL	0.4	<0.4 U
B2-SW04	1/6/2004	5	5	Nitrotoluene, 2-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW04	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW04	1/6/2004	5	5	Nitrotoluene, 4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW04	1/6/2004	5	5	RDX	MQL	1	MQL	1	<0.4 U
B2-SW04	1/6/2004	5	5	Tetryl	MQL	0.65	MQL	0.65	<0.4 U
B2-SW04	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW04	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW05	1/6/2004	5	5	Dinitrobenzene, 1,3-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW05	1/6/2004	5	5	Dinitrotoluene, 2,4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW05	1/6/2004	5	5	Dinitrotoluene, 2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW05	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW05	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW05	1/6/2004	5	5	HMX	MQL	2.2	MQL	2.2	<0.4 U
B2-SW05	1/6/2004	5	5	Nitrobenzene	MQL	0.4	MQL	0.4	<0.4 U
B2-SW05	1/6/2004	5	5	Nitrotoluene, 2-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW05	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW05	1/6/2004	5	5	Nitrotoluene, 4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW05	1/6/2004	5	5	RDX	MQL	1	MQL	1	<0.4 U
B2-SW05	1/6/2004	5	5	Tetryl	MQL	0.65	MQL	0.65	<0.4 U
B2-SW05	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW05	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MQL	0.4	MQL	0.4	<0.4 U

Table 4D-4. Explosives Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-SW06	1/6/2004	5	5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW06	1/6/2004	5	5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW06	1/6/2004	5	5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW06	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW06	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW06	1/6/2004	5	5	HMX	MLQ	2.2	MLQ	2.2	<0.4 U
B2-SW06	1/6/2004	5	5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW06	1/6/2004	5	5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW06	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW06	1/6/2004	5	5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW06	1/6/2004	5	5	RDX	MLQ	1	MLQ	1	<0.4 U
B2-SW06	1/6/2004	5	5	Tetryl	MLQ	0.65	MLQ	0.65	<0.4 U
B2-SW06	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW06	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW07	1/6/2004	5	5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW07	1/6/2004	5	5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW07	1/6/2004	5	5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW07	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW07	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW07	1/6/2004	5	5	HMX	MLQ	2.2	MLQ	2.2	<0.4 U
B2-SW07	1/6/2004	5	5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW07	1/6/2004	5	5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW07	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW07	1/6/2004	5	5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW07	1/6/2004	5	5	RDX	MLQ	1	MLQ	1	<0.4 U
B2-SW07	1/6/2004	5	5	Tetryl	MLQ	0.65	MLQ	0.65	<0.4 U
B2-SW07	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW07	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW08	1/6/2004	5	5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW08	1/6/2004	5	5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW08	1/6/2004	5	5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW08	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW08	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW08	1/6/2004	5	5	HMX	MLQ	2.2	MLQ	2.2	<0.4 U
B2-SW08	1/6/2004	5	5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW08	1/6/2004	5	5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW08	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW08	1/6/2004	5	5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW08	1/6/2004	5	5	RDX	MLQ	1	MLQ	1	<0.4 U
B2-SW08	1/6/2004	5	5	Tetryl	MLQ	0.65	MLQ	0.65	<0.4 U
B2-SW08	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW08	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW09	1/6/2004	5	5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW09	1/6/2004	5	5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW09	1/6/2004	5	5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW09	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW09	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW09	1/6/2004	5	5	HMX	MLQ	2.2	MLQ	2.2	<0.4 U
B2-SW09	1/6/2004	5	5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW09	1/6/2004	5	5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW09	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW09	1/6/2004	5	5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW09	1/6/2004	5	5	RDX	MLQ	1	MLQ	1	<0.4 U
B2-SW09	1/6/2004	5	5	Tetryl	MLQ	0.65	MLQ	0.65	<0.4 U
B2-SW09	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW09	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW10	1/6/2004	5	5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW10	1/6/2004	5	5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW10	1/6/2004	5	5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW10	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW10	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW10	1/6/2004	5	5	HMX	MLQ	2.2	MLQ	2.2	<0.4 U
B2-SW10	1/6/2004	5	5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW10	1/6/2004	5	5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW10	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW10	1/6/2004	5	5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW10	1/6/2004	5	5	RDX	MLQ	1	MLQ	1	<0.4 U
B2-SW10	1/6/2004	5	5	Tetryl	MLQ	0.65	MLQ	0.65	<0.4 U

Table 4D-4. Explosives Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-SW10	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW10	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW11	1/6/2004	5	5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW11	1/6/2004	5	5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW11	1/6/2004	5	5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW11	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW11	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW11	1/6/2004	5	5	HMX	MLQ	2.2	MLQ	2.2	<0.4 U
B2-SW11	1/6/2004	5	5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW11	1/6/2004	5	5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW11	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW11	1/6/2004	5	5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW11	1/6/2004	5	5	RDX	MLQ	1	MLQ	1	<0.4 U
B2-SW11	1/6/2004	5	5	Tetryl	MLQ	0.65	MLQ	0.65	<0.4 U
B2-SW11	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW11	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW12	1/6/2004	5	5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW12	1/6/2004	5	5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	HMX	MLQ	2.2	MLQ	2.2	<0.4 U
B2-SW12	1/6/2004	5	5	HMX	MLQ	2.2	MLQ	2.2	<0.4 U
B2-SW12	1/6/2004	5	5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW12	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW12	1/6/2004	5	5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW12	1/6/2004	5	5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW12	1/6/2004	5	5	RDX	MLQ	1	MLQ	1	<0.4 U
B2-SW12	1/6/2004	5	5	RDX	MLQ	1	MLQ	1	<0.4 U
B2-SW12	1/6/2004	5	5	Tetryl	MLQ	0.65	MLQ	0.65	<0.4 U
B2-SW12	1/6/2004	5	5	Tetryl	MLQ	0.65	MLQ	0.65	<0.4 U
B2-SW12	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW12	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW12	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW12	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	Dinitrobenzene, 1,3-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW13	1/6/2004	5	5	Dinitrotoluene, 2,4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW13	1/6/2004	5	5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	Dinitrotoluene, 2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	Dinitrotoluene, 2-amino-4,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	Dinitrotoluene, 4-amino-2,6-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	HMX	MLQ	2.2	MLQ	2.2	<0.4 U
B2-SW13	1/6/2004	5	5	HMX	MLQ	2.2	MLQ	2.2	<0.4 U
B2-SW13	1/6/2004	5	5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	Nitrobenzene	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	Nitrotoluene, 2-	MLQ	0.4	MLQ	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW13	1/6/2004	5	5	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW13	1/6/2004	5	5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW13	1/6/2004	5	5	Nitrotoluene, 4-	MLQ	0.5	MLQ	0.5	<0.4 U
B2-SW13	1/6/2004	5	5	RDX	MLQ	1	MLQ	1	<0.4 U
B2-SW13	1/6/2004	5	5	RDX	MLQ	1	MLQ	1	<0.4 U
B2-SW13	1/6/2004	5	5	Tetryl	MLQ	0.65	MLQ	0.65	<0.4 U
B2-SW13	1/6/2004	5	5	Tetryl	MLQ	0.65	MLQ	0.65	<0.4 U

Table 4D-4. Explosives Soil Data Summary

Sample ID	Sample Date	Sample depth begin	Sample depth end	COC	Residential Assessment Level		Critical PCL		Conc (mk/kg)
					Pathway	(mg/kg)	Pathway	(mg/kg)	
B2-SW13	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW13	1/6/2004	5	5	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW13	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW13	1/6/2004	5	5	Trinitrotoluene, 2,4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW14	1/6/2004	3	3	Dinitrobenzene, 1,3-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW14	1/6/2004	3	3	Dinitrotoluene, 2,4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW14	1/6/2004	3	3	Dinitrotoluene, 2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW14	1/6/2004	3	3	Dinitrotoluene, 2-amino-4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW14	1/6/2004	3	3	Dinitrotoluene, 4-amino-2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW14	1/6/2004	3	3	HMX	MQL	2.2	MQL	2.2	<0.4 U
B2-SW14	1/6/2004	3	3	Nitrobenzene	MQL	0.4	MQL	0.4	<0.4 U
B2-SW14	1/6/2004	3	3	Nitrotoluene, 2-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW14	1/6/2004	3	3	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW14	1/6/2004	3	3	Nitrotoluene, 4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW14	1/6/2004	3	3	RDX	MQL	1	MQL	1	<0.4 U
B2-SW14	1/6/2004	3	3	Tetryl	MQL	0.65	MQL	0.65	<0.4 U
B2-SW14	1/6/2004	3	3	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW14	1/6/2004	3	3	Trinitrotoluene, 2,4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW15	1/6/2004	3	3	Dinitrobenzene, 1,3-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW15	1/6/2004	3	3	Dinitrotoluene, 2,4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW15	1/6/2004	3	3	Dinitrotoluene, 2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW15	1/6/2004	3	3	Dinitrotoluene, 2-amino-4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW15	1/6/2004	3	3	Dinitrotoluene, 4-amino-2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW15	1/6/2004	3	3	HMX	MQL	2.2	MQL	2.2	<0.4 U
B2-SW15	1/6/2004	3	3	Nitrobenzene	MQL	0.4	MQL	0.4	<0.4 U
B2-SW15	1/6/2004	3	3	Nitrotoluene, 2-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW15	1/6/2004	3	3	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW15	1/6/2004	3	3	Nitrotoluene, 4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW15	1/6/2004	3	3	RDX	MQL	1	MQL	1	<0.4 U
B2-SW15	1/6/2004	3	3	Tetryl	MQL	0.65	MQL	0.65	<0.4 U
B2-SW15	1/6/2004	3	3	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW15	1/6/2004	3	3	Trinitrotoluene, 2,4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW16	1/6/2004	3	3	Dinitrobenzene, 1,3-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW16	1/6/2004	3	3	Dinitrotoluene, 2,4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW16	1/6/2004	3	3	Dinitrotoluene, 2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW16	1/6/2004	3	3	Dinitrotoluene, 2-amino-4,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW16	1/6/2004	3	3	Dinitrotoluene, 4-amino-2,6-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW16	1/6/2004	3	3	HMX	MQL	2.2	MQL	2.2	<0.4 U
B2-SW16	1/6/2004	3	3	Nitrobenzene	MQL	0.4	MQL	0.4	<0.4 U
B2-SW16	1/6/2004	3	3	Nitrotoluene, 2-	MQL	0.4	MQL	0.4	<0.4 U
B2-SW16	1/6/2004	3	3	Nitrotoluene, 3-	R30acr_GW_Soil_Ing	0.92	R30acr_GW_Soil_Ing	0.92	<0.4 U
B2-SW16	1/6/2004	3	3	Nitrotoluene, 4-	MQL	0.5	MQL	0.5	<0.4 U
B2-SW16	1/6/2004	3	3	RDX	MQL	1	MQL	1	<0.4 U
B2-SW16	1/6/2004	3	3	Tetryl	MQL	0.65	MQL	0.65	<0.4 U
B2-SW16	1/6/2004	3	3	Trinitrobenzene, 1,3,5-	R30acr_GW_Soil_Ing	0.91	R30acr_GW_Soil_Ing	0.91	<0.4 U
B2-SW16	1/6/2004	3	3	Trinitrotoluene, 2,4,6-	MQL	0.4	MQL	0.4	<0.4 U

actions are bolded

Concentration (detected or not detected) exceeds Residential Assessment Level
Concentration (detected or not detected) exceeds soil Critical PCL

Sample location has been excavated.

Section 9 Ecological Risk Assessment

Reasoned Justification

Soils with COC concentrations exceeding their critical PCLs at the site were excavated and removed or used to calculate a 95% UCL (zinc only) per TAC §350.79(2)(A) that does not exceed the critical PCL. There is no evidence of other affected or threatened environmental media (groundwater, surface water, or sediment) at SWMU B-2.

Since all waste and contaminated soil have been removed or meet the 95% UCL per TAC §350.79(2)(A), there can be no impact to groundwater, surface water, or sediment, or to human or ecological receptors from SWMU B-2.

Expedited Stream Evaluation

An expedited stream evaluation was not conducted at the site because there are no surface water bodies present at SWMU B-2.

Tier 2 Screening Level Ecological Risk Assessment (SLERA)

A Tier 2 Screening Level Ecological Risk Assessment was not conducted at the site because all COCs were removed or meet the 95% UCL per TAC §350.79(2)(A).

Tier 3 Site-Specific Ecological Risk Assessment (SSERA)

A Tier 3 Site-Specific Ecological Risk Assessment was not conducted at the site because all COCs were removed or meet the 95% UCL per TAC §350.79(2)(A).

Proposal for Ecological Services Analysis

An Ecological Services Analysis is not required at SWMU B-2.

Section 11 Soil Critical PCL Development

Section 11.1 Tier 2 or 3 PCL Development and Non-Default Parameters

As described in Section 4, the metals lead and zinc in confirmation samples from some locations exceeded CSSA background values or default residential Tier 1 PCLs for the ^{GW}Soil_{ing} exposure pathway. Tier 2 residential ^{GW}Soil_{ing} PCLs for a 30-acre source area were determined for these metals using a soil attenuation model (SAM) and site-specific inputs as provided in §350.73(e)(1)(A) and §350.73(e)(1)(C).

Tier 2 ecological PCLs were calculated for lead and zinc. SWMU B-2 did not pass the Tier 1 Ecological Exclusion Checklist due to potential endangered bird habitat within ½ mile of the site, and zinc concentrations remaining in soil at the site were above the Tier 1 Ecological Benchmark Values. Site-specific input parameters and Tier 1 defaults used for calculation of the Tier 2 ^{GW}Soil_{ing} and ecological PCLs are presented in Appendix 9. A summary of the critical PCL development for COCs is provided in Table 11A.

Section 11.2 Soil PCL Adjustments

No soil PCL adjustments are required or have been made based on residual saturation, cumulative risk, soil vapor calculations, or hazard index evaluations.

Section 11.3 Soil Critical PCLs

The CSSA or Texas-Specific Background Concentration for metals was used as the critical PCL if the value was greater than the Tier 1 or 2 PCL or ecological risk screening benchmark. Where the background was not used as the critical PCL the value was based on the lower of the following:

- the default Tier 1 ^{Tot}Soil_{Comb} PCL, or
- the Tier 1 default or calculated Tier 2 site-specific ^{GW}Soil_{ing} PCL, or
- the ecological risk screening benchmark value or Tier 2 ecological PCL.

Soil found to have COC concentrations above the Tier 1 PCLs (with the exception of lead and zinc) was excavated and removed from the site. The affected property assessment determined that residual surface soil concentrations of lead exceeded the Tier 1 PCL of 84.5 mg/kg at eight locations and zinc exceeded the Tier 1 PCL of 73.2 mg/kg at nine locations in the most recent (2010) data, and therefore Tier 2 PCLs were developed for those COCs as described in Appendix 9.

All lead concentrations in surface soil at SWMU B-2 are below the (Tier 2 residential) critical PCL of 500 mg/kg. Zinc concentrations above the (Tier 2 ecological) critical PCL of 155.8 mg/kg remain in surface soil at three locations (Figure 4A-5). Laboratory analytical data from the June and December sampling events were used to calculate a 95% UCL per TAC §350.79(2)(A) of 121.4 mg/kg. This value does not exceed the critical PCL. Documentation of the UCL calculation is included in Appendix 8.

No COCs nor the calculated 95% UCL for zinc are above any of the applicable human health or ecological critical PCLs in post-excavation soil samples collected at SWMU B-2. Therefore, neither an affected property nor a PCLE zone exists at SWMU B-2.

Table 11A. Surface Soil Critical PCLs

Date of the Tier 1 PCL tables used in the determination of PCLs: November 2018

On-Site Surface Soil Critical PCLs

Land use for purpose of critical PCL development: Residential Commercial/industrial

COC	TotSoilComb PCL			GWSoil ¹ PCL			Ecological PCL		MQL (mg/kg)	Back-ground (mg/kg)	SWSoil ² (mg/kg)	SedSoil ² (mg/kg)	Conc (mg/kg)		Remedy or NFA
	(mg/kg)	Tier	Source area size (acres)	(mg/kg)	Tier	Source area size (acres)	0-0.5 ft. (mg/kg)	0.5-5 ft. (mg/kg)					Max	Rep ³	
Barium	8100	1	30	220	1	30	330	330	0.3	300	N/A	N/A	185	N/A	NFA
Cadmium	51	1	30	0.75	1	30	32	32	1	3	N/A	N/A	2.43 M	N/A	NFA
Chromium, Total	27000	1	30	1200	1	30	0.4	0.4	20	40.2	N/A	N/A	25.7	N/A	NFA
Copper	1300	1	30	520	1	30	70	70	0.6	23.2	N/A	N/A	15.7 J	N/A	NFA
Lead	500	1	30	6606	2	30	535	535	100	84.5	N/A	N/A	373.26 M	N/A	NFA
Nickel	840	1	30	79	1	30	280	280	2	35.5	N/A	N/A	16.13	N/A	NFA
Zinc	9900	1	30	2400	1	30	155.8	155.8	5	73.2	N/A	N/A	440.5	121.4	NFA

J = the detected concentration was above the MDL and below the RL; M = a matrix effect was present

Critical PCL
Detected concentration exceeds Critical PCL

Off-Site Surface Soil Critical PCLs

Land use for purpose of critical PCL development:⁴ Residential Commercial/industrial

COC	TotSoilComb PCL			GWSoil ¹ PCL			Ecological PCL		MQL (mg/kg)	Back-ground (mg/kg)	SWSoil ² (mg/kg)	SedSoil ² (mg/kg)	Conc (mg/kg)		Remedy or NFA
	(mg/kg)	Tier	Source area size (acres)	(mg/kg)	Tier	Source area size (acres)	0-0.5 ft. (mg/kg)	0.5-5 ft. (mg/kg)					Max	Rep ³	
Not applicable.															

¹ GWSoil includes GWSoil_{ing}, GWSoil_{class3}, AirGW-Soil_{inh-v}, and GWSoil for secondary MCLs, as applicable.

² Refer to *Determining PCLs for Surface Water and Sediment* (RG-366/TRRP-24) to determine if a PCL is required to be developed for this pathway.

³ Provide justifications and calculations for use of representative concentrations in Appendix 8.

⁴ Repeat the table if needed for different off-site land uses.

Appendices

Appendix 2

Boring Logs and Monitor Well Completion Details

Appendix 2 includes the boring logs for five soil borings advanced during the 1995 RFI at SWMU B-2.

SOIL BORING LOG

CAMP STANLEY STORAGE ACTIVITY

BORING LOCATION: BURN AREA 2 (B-2)	BORING NUMBER: B2-SB1
SITE: CAMP STANLEY STORAGE ACTIVITY	CONTRACTOR: PARSONS ENGINEERING SCIENCE
PROJECT: WELL 16 SOURCE CHARACTERIZATION	DRILLING CONTRACTOR: JEDI
LOGGED BY: M. TOWN	REF. LOGBOOK: 1
BORING DEPTH (ft-BGL): 30	DRILLER: T. STARIN
BORING ELEVATION (ft-MSL):	DRILLING RIG: MOBIL B-56
EAST COORDINATE:	DRILLING METHOD: SPLIT-SPOON/AIR CORE
NORTH COORDINATE:	SAMPLING METHOD: SPLIT-SPOON/CORE BARREL
BEGIN DRILLING: 2-MAR-95	END DRILLING: 2-MAR-95

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE HEAD SPACE (feet)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	COMMENTS
0			CLAY with some LIMESTONE fragments and little SILT, very dark brown (10YR 2/2), semilangular, soft, medium plasticity, dry to damp.		
0			LIMESTONE, pale yellow (2.5Y 8/2) with red (2.5YR 5/8) staining.		
5			LIMESTONE, pale yellow (2.5Y 8/4), coarse-grained, hard, thin beds and cobbles recovered, black dendritic staining, dry, possibly interbedded with highly weathered marly limestone.		
10			White (2.5Y 8/2), massive with coarse-grained zones, bedding, dry to damp. Color grades to pale yellow (2.5Y 7/4). Slightly weathered, more marl, fossils, dry to damp.		
15			Interbedded LIMESTONE with marl, white (10YR 8/2), massive and marly limestone, very pale brown (10YR 7/4) possibly reworked fragments from gravel to cobble size.		
20			Marly LIMESTONE, very pale brown (10YR 7/4) to 21.3, remainder light gray (2.5Y N6), highly weathered, fractured clay lenses at 22.2, reworked at 22.5 to 23, vuggy from 24 to 24.7, some fossils, alternating zones of massive marly limestone.		
25			Marly LIMESTONE, light gray (2.5Y N6), fossiliferous (increasing with depth), forams, pelecypods, echinoid spines, dry.		
30			TOTAL DEPTH = 30 FT.		
35					

SOIL BORING LOG

CAMP STANLEY STORAGE ACTIVITY

BORING LOCATION: BURN AREA 2 (8-2)	BORING NUMBER: B2-SB2
SITE: CAMP STANLEY STORAGE ACTIVITY	CONTRACTOR: PARSONS ENGINEERING SCIENCE
PROJECT: WELL 16 SOURCE CHARACTERIZATION	DRILLING CONTRACTOR: JEDI
LOGGED BY: M. TOWN	REF. LOGBOOK: 1
BORING DEPTH (ft-BGL): 30	DRILLER: T. STARIN
BORING ELEVATION (ft-MSL):	DRILLING RIG: MOBIL B-58
EAST COORDINATE:	DRILLING METHOD: SPLIT-SPOON/AIR CORE
NORTH COORDINATE:	SAMPLING METHOD: SPLIT-SPOON/CORE BARREL
BEGIN DRILLING: 3-MAR-95	END DRILLING: 3-MAR

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	HEAD SPACE (ppm)	LITHOLOGIC DESCRIPTION	USCS GRAPHIC LOG	COMMENTS
0			0	CLAY with some LIMESTONE fragments and trace SILT, dark brown (7.5YR 3/2), limestone fragments are medium- to very coarse-grained, soft, medium to high plasticity, damp.		
0			0	Marly LIMESTONE, pale yellow (2.5Y 8/4) with red (2.5YR 5/8) staining, highly weathered, friable, damp.		
5			0	Marly LIMESTONE, highly weathered, friable.		
0			0	Massive hard limestone, white (10YR 8/2), black staining, dendritic, dry.		
0			0	Marly LIMESTONE, white (10YR 8/2), 6 to 8.5 highly weathered, friable, vuggy.		
0			0	Massive, some marl, black dendritic staining, breaks along marl seams, dry.		
0			0	Marly LIMESTONE (no recovery).		
0			0	Marly LIMESTONE, very pale brown (10YR 8/3), color from 13.5 to 14 ft. light gray (7.5YR N7), few fossil fragments and vugs, some iron staining, massive, dry.		
0			0	Marly LIMESTONE, color varies from white (10YR 8/2) to yellow (10YR 7/6), highly weathered, zones of marl, lenses of hard limestone, coarse-grained, dry to damp.		
0			0	Marly LIMESTONE, light gray (10YR 7/1), bioturbated 21 to 21.5 ft., few fossil fragments, massive, dry.		
0			0	Very dark gray (7.5YR N3).		
0			0	Light gray (10YR 7/1).		
0			0	Marly LIMESTONE, light gray (10YR 7/1), vuggy, massive lenses, 27 to 27.5 bioturbated, 27.5 to 30 fossiliferous, increasing with depth, primarily forams, some pelecypods, some steinkerns, somewhat massive to coarse-grained, dry to damp.		
0			0	TOTAL DEPTH = 30 FT.		

SOIL BORING LOG

CAMP STANLEY STORAGE ACTIVITY

BORING LOCATION: BURN AREA 2 (B-2)	BORING NUMBER: B2-SB3
SITE: CAMP STANLEY STORAGE ACTIVITY	CONTRACTOR: PARSONS ENGINEERING SCIENCE
PROJECT: WELL 16 SOURCE CHARACTERIZATION	DRILLING CONTRACTOR: JEDI
LOGGED BY: M. TOWN	REF. LOGBOOK: 1
BORING DEPTH (ft-BGL): 30	DRILLER: T. STARIN
BORING ELEVATION (ft-MSL):	DRILLING RIG: MOBIL 8-58
EAST COORDINATE:	DRILLING METHOD: SPLIT-SPOON/AIR CORE
NORTH COORDINATE:	SAMPLING METHOD: SPLIT-SPOON/CORE BARREL
BEGIN DRILLING: 3-MAR-95	END DRILLING: 6-MAR-95

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	HEAD SPACE (ppm)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	COMMENTS
0				<p>Marly LIMESTONE, grades from strong brown (7.5YR 5/6) to white (10YR 8/2), some CLAY at surface (< 1 in.), highly weathered, friable, dry to damp.</p>		
5				<p>LIMESTONE, white (10YR 8/2), massive limestone lens 1 to 3 inches thick, 2 small vertical fractures (< .25 ft. each) with staining on surface, last 0.35 feet marly limestone, highly weathered, friable, dry.</p> <p>Marly LIMESTONE, highly weathered, friable, dry.</p>		
10				<p>Interbedded LIMESTONE, nonweathered, massive, hard limestone, white (10YR 8/2), and friable, highly weathered limestone, yellow (2.5Y 7/6), vuggy, possibly reworked at approx. 7.8 ft., dry.</p>		
15				<p>LIMESTONE with some marl, white (10YR 8/2), massive, dry. Pale yellow (2.5Y 7/4) with 2 inches of light gray (2.5Y N7).</p> <p>Marly LIMESTONE, white (10YR 8/2), highly weathered, small fracture (1 in. long) with iron staining.</p>		
20				<p>Marly LIMESTONE, very pale brown (10YR 8/3), hard, massive, some marly, rest marly limestone, highly weathered, almost all marl, two high angle fractures 2 to 3 in. long with staining from 15.2 to 15.8, dry to damp.</p>		
25				<p>Marly LIMESTONE, very pale brown (10YR 8/3), highly weathered, wet, massive, hard.</p> <p>White (10YR 8/2).</p> <p>Light gray (10YR 6/1).</p> <p>Marly LIMESTONE, water 24 to 25 ft., almost pure marl where wet, very fissile.</p>		
30				<p>Marly LIMESTONE, light gray (7.5YR N6) throughout except 27-28 ft. dark gray (7.5YR N4), damp to moist.</p> <p>Coarse-grained with white angular clasts and dark gray stringers.</p> <p>Fine-grained with white rectangular clasts 1/20 in. possibly fossil.</p> <p>Weathered with thin seam of crystalline calcite (<1/20 in.).</p> <p>Fine-grained, some steinkerns, weathered with gravel-sized marl intercasts.</p> <p>Fossiliferous matrix (forams).</p>		
35						

TOTAL DEPTH = 30 FT.

SOIL BORING LOG

CAMP STANLEY STORAGE ACTIVITY

BORING LOCATION: BURN AREA 2 (B-2)	BORING NUMBER: B2-SB4
SITE: CAMP STANLEY STORAGE ACTIVITY	CONTRACTOR: PARSONS ENGINEERING SCIENCE
PROJECT: WELL 10 SOURCE CHARACTERIZATION	DRILLING CONTRACTOR: JEDI
LOGGED BY: M. TOWN	REF. LOGBOOK: 1
BORING DEPTH (ft-BGL): 30	DRILLER: T. STARIN
BORING ELEVATION (ft-MSL):	DRILLING RIG: MOBIL B-56
EAST COORDINATE:	DRILLING METHOD: SPLIT-SPOON/AIR CORE
NORTH COORDINATE:	SAMPLING METHOD: SPLIT-SPOON/CORE BARREL
BEGIN DRILLING: 8-MAR-95	END DRILLING: 8-MAR-95

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	HEAD SPACE (ppm)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	COMMENTS
0			0	CLAY and highly weathered LIMESTONE fragments, trace SILT, dark brown (7.5YR 3/2), reddish orange stain to subangular limestone, pieces of coal, soft, medium plasticity, damp.	CL	
0			0	Marly LIMESTONE, highly weathered, almost marl, dry. Metal wire wrapped around core barrel.		
5				Marly LIMESTONE, white (10YR 8/2), light gray (10YR 7/1) from 8-9.4 ft., massive hard lenses of limestone <1 in. long, dry, at 7.5 ft. weathered, few vugs and fossils.		
10				Hard massive limestone, dry.		
15				Marly LIMESTONE, white (10YR 8/2), reddish orange stain on high-angle fracture 12 ft. (approx. 2 in. long), massive, highly weathered, dry. Light gray (7.5YR N7), bloturbated. Gray (7.5YR N6). Yellow (2.5Y 7/6), indication of bedding.		
20				Marly LIMESTONE, white (10YR 8/2), massive, weathered, water between lenses at approx. 17 to 18 ft., appears to split along bedding planes, especially with high marl content, 19-19.5 high angle fractures with staining and calcite growth, damp to wet. Grades to pale yellow (2.5Y 7/4).		
25				Marly LIMESTONE, highly weathered, top limestone gravel mixed with soft marl, massive, last .1 ft. hard limestone with vugs - vugs contain calcite deposits, reddish stains, color varies where hard, white (10YR 8/2), where weathered olive yellow (2.5Y 6/6).		
30				Marly LIMESTONE, olive yellow (2.5Y 6/6), marl with limestone gravel, grades from light gray (7.5YR N7) to very dark gray (5Y 3/1), very fine-grained to massive, 29-30 ft. gray (7.5YR N6), from 29-29.5 few small zones of crystalline limestone, damp to wet.		
30				TOTAL DEPTH = 30 FT.		

SOIL BORING LOG

CAMP STANLEY STORAGE ACTIVITY

BORING LOCATION: BURN AREA 2 (B-2)	BORING NUMBER: B2-SB5
SITE: CAMP STANLEY STORAGE ACTIVITY	CONTRACTOR: PARSONS ENGINEERING SCIENCE
PROJECT: WELL 18 SOURCE CHARACTERIZATION	DRILLING CONTRACTOR: JEDI
LOGGED BY: M. TOWN	REF. LOGBOOK: 1
BORING DEPTH (ft-BGL): 30	DRILLER: T. STARIN
BORING ELEVATION (ft-MSL):	DRILLING RIG: MOBIL B-56
EAST COORDINATE:	DRILLING METHOD: SPLIT-SPOON/AIR CORE
NORTH COORDINATE:	SAMPLING METHOD: SPLIT-SPOON/CORE BARREL
BEGIN DRILLING: 6-MAR-95	END DRILLING: 6-MAR-95

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	HEAD SPACE (DDM)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
0			0	CLAY soil, dark brown (7.5YR 3/2).	CL		
0-5				Marly LIMESTONE, mottled pale yellow (2.5Y 8/3) and red (2.5YR 4/6), very weathered, friable, damp.			
5-10				Marly LIMESTONE, pale yellow (2.5Y 7/4), highly weathered, friable, with white clasts (possibly caliche), with lenses of white (10YR 8/2) massive limestone, orange staining throughout, black dendritic patterns between beds, possible worm burrow with black staining down edges, dry to damp.			
10-15				Marly LIMESTONE, pale yellow (2.5Y 7/4), highly weathered, friable, vugs at contact with white, large, gravel-sized, white limestone mixed with yellow marl limestone (reworked?), orange staining, black dendritic, damp.			
15-20				White (10YR 8/2), alternating hard fine-grained massive with highly weathered, friable, almost vuggy zone, damp.			
20-25				LIMESTONE, light gray (10YR 7/1), fine-grained to massive limestone, dry to damp, 12-13 ft. olive yellow (2.5Y 6/6), 13-14.5 gray (5Y 6/1), high angle vertical fracture at 14 to 14.3, 14.5 ft. white (10YR 8/2). Olive yellow (2.5Y 6/6). Gray (5Y 6/1), high angle vertical fracture at 14 to 14.3. White (10YR 8/2).			
25-30				Marly LIMESTONE, pale yellow (2.5Y 7/4), highly weathered fine-grained limestone, light gray (5Y 6/1), weathering increasing with depth, from about 23-25 ft. almost a marl with limestone nodules, wet, 25.5 ft. white (10YR 8/2), fine-grained, massive, hard, weathered.			
30-35				Marly LIMESTONE, light gray (5Y 6/1), fine-grained to massive, black dendritic staining, 27.3-28.5 ft. black (2.5Y N2), highly weathered friable marly limestone - almost all marl, 28.5 ft light gray (5Y 7/1), hard fine-grained marly limestone, damp to wet.			
				TOTAL DEPTH = 30 FT.			

Appendix 8

Statistics Data Tables and Calculations

Appendix 8 presents the calculations for a representative concentration (95% UCL) for zinc from soil sample data collected in 2010. The UCL value was used for statistical comparison to the critical PCL and the calculation method (ProUCL) meets the performance criteria required in §350.79(2)(A).

	A	B	C	D	E	F	G	H	I	J	K	L	
1				General UCL Statistics for Full Data Sets									
2	User Selected Options												
3	From File			WorkSheet.wst									
4	Full Precision			OFF									
5	Confidence Coefficient			95%									
6	Number of Bootstrap Operations			2000									
7													
8													
9	Lead												
10													
11	General Statistics												
12	Number of Valid Observations					41			Number of Distinct Observations				32
13													
14	Raw Statistics						Log-transformed Statistics						
15	Minimum			14			Minimum of Log Data			2.639			
16	Maximum			350			Maximum of Log Data			5.858			
17	Mean			65.22			Mean of log Data			3.806			
18	Geometric Mean			44.96			SD of log Data			0.779			
19	Median			38									
20	SD			74.27									
21	Std. Error of Mean			11.6									
22	Coefficient of Variation			1.139									
23	Skewness			2.488									
24													
25	Relevant UCL Statistics												
26	Normal Distribution Test						Lognormal Distribution Test						
27	Shapiro Wilk Test Statistic			0.627			Shapiro Wilk Test Statistic			0.89			
28	Shapiro Wilk Critical Value			0.941			Shapiro Wilk Critical Value			0.941			
29	Data not Normal at 5% Significance Level						Data not Lognormal at 5% Significance Level						
30													
31	Assuming Normal Distribution						Assuming Lognormal Distribution						
32	95% Student's-t UCL			84.75			95% H-UCL			79.13			
33	95% UCLs (Adjusted for Skewness)						95% Chebyshev (MVUE) UCL			95.79			
34	95% Adjusted-CLT UCL (Chen-1995)			89.11			97.5% Chebyshev (MVUE) UCL			111.1			
35	95% Modified-t UCL (Johnson-1978)			85.5			99% Chebyshev (MVUE) UCL			141.3			
36													
37	Gamma Distribution Test						Data Distribution						
38	k star (bias corrected)			1.396			Data do not follow a Discernable Distribution (0.05)						
39	Theta Star			46.72									
40	MLE of Mean			65.22									
41	MLE of Standard Deviation			55.2									
42	nu star			114.5									
43	Approximate Chi Square Value (.05)			90.77			Nonparametric Statistics						
44	Adjusted Level of Significance			0.0441			95% CLT UCL			84.3			
45	Adjusted Chi Square Value			90			95% Jackknife UCL			84.75			
46							95% Standard Bootstrap UCL			83.55			
47	Anderson-Darling Test Statistic			3.012			95% Bootstrap-t UCL			93.78			
48	Anderson-Darling 5% Critical Value			0.767			95% Hall's Bootstrap UCL			89.26			
49	Kolmogorov-Smirnov Test Statistic			0.191			95% Percentile Bootstrap UCL			84.05			
50	Kolmogorov-Smirnov 5% Critical Value			0.14			95% BCA Bootstrap UCL			89.63			
51	Data not Gamma Distributed at 5% Significance Level						95% Chebyshev(Mean, Sd) UCL			115.8			

	A	B	C	D	E	F	G	H	I	J	K	L
52							97.5% Chebyshev(Mean, Sd) UCL					137.7
53	Assuming Gamma Distribution						99% Chebyshev(Mean, Sd) UCL					180.6
54	95% Approximate Gamma UCL (Use when n >= 40)					82.25						
55	95% Adjusted Gamma UCL (Use when n < 40)					82.95						
56												
57	Potential UCL to Use						Use 95% Chebyshev (Mean, Sd) UCL					115.8
58												
59	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
60	These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)											
61	and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.											
62												

	A	B	C	D	E	F	G	H	I	J	K	L		
1				General UCL Statistics for Full Data Sets										
2	User Selected Options													
3	From File			WorkSheet.wst										
4	Full Precision			OFF										
5	Confidence Coefficient			95%										
6	Number of Bootstrap Operations			2000										
7														
8														
9	Zinc													
10														
11	General Statistics													
12	Number of Valid Observations						48			Number of Distinct Observations			38	
13														
14	Raw Statistics						Log-transformed Statistics							
15	Minimum			10			Minimum of Log Data			2.303				
16	Maximum			440			Maximum of Log Data			6.087				
17	Mean			65.15			Mean of log Data			3.712				
18	Geometric Mean			40.92			SD of log Data			0.853				
19	Median			37										
20	SD			89.41										
21	Std. Error of Mean			12.91										
22	Coefficient of Variation			1.372										
23	Skewness			3.059										
24														
25	Relevant UCL Statistics													
26	Normal Distribution Test						Lognormal Distribution Test							
27	Shapiro Wilk Test Statistic			0.56			Shapiro Wilk Test Statistic			0.911				
28	Shapiro Wilk Critical Value			0.947			Shapiro Wilk Critical Value			0.947				
29	Data not Normal at 5% Significance Level						Data not Lognormal at 5% Significance Level							
30														
31	Assuming Normal Distribution						Assuming Lognormal Distribution							
32	95% Student's-t UCL			86.8			95% H-UCL			77.3				
33	95% UCLs (Adjusted for Skewness)						95% Chebyshev (MVUE) UCL						93.76	
34	95% Adjusted-CLT UCL (Chen-1995)						92.46			97.5% Chebyshev (MVUE) UCL			109.1	
35	95% Modified-t UCL (Johnson-1978)						87.75			99% Chebyshev (MVUE) UCL			139.3	
36														
37	Gamma Distribution Test						Data Distribution							
38	k star (bias corrected)			1.153			Data do not follow a Discernable Distribution (0.05)							
39	Theta Star			56.52										
40	MLE of Mean			65.15										
41	MLE of Standard Deviation			60.68										
42	nu star			110.7										
43	Approximate Chi Square Value (.05)			87.38			Nonparametric Statistics							
44	Adjusted Level of Significance			0.045			95% CLT UCL			86.37				
45	Adjusted Chi Square Value			86.74			95% Jackknife UCL			86.8				
46							95% Standard Bootstrap UCL			86.33				
47	Anderson-Darling Test Statistic			3.379			95% Bootstrap-t UCL			104.9				
48	Anderson-Darling 5% Critical Value			0.774			95% Hall's Bootstrap UCL			96.68				
49	Kolmogorov-Smirnov Test Statistic			0.245			95% Percentile Bootstrap UCL			86.65				
50	Kolmogorov-Smirnov 5% Critical Value			0.131			95% BCA Bootstrap UCL			95.31				
51	Data not Gamma Distributed at 5% Significance Level						95% Chebyshev(Mean, Sd) UCL			121.4				
52							97.5% Chebyshev(Mean, Sd) UCL			145.7				
53	Assuming Gamma Distribution						99% Chebyshev(Mean, Sd) UCL			193.5				
54	95% Approximate Gamma UCL (Use when n >= 40)			82.5										
55	95% Adjusted Gamma UCL (Use when n < 40)			83.11										
56														
57	Potential UCL to Use						Use 95% Chebyshev (Mean, Sd) UCL			121.4				
58														
59	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.													
60	These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)													
61	and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.													
62														

Appendix 9

Development of Non-Default RBELs and PCLs

Appendix 9 includes the equations, calculations, detailed explanations beyond that provided in other sections, justification, input parameters, results, and supporting documentation associated with the development of Tier 2 PCLs for lead and zinc.

Tier 2 Human Health PCLs were calculated for the $^{GW}Soil_{ing}$ pathway. Calculation of these values assumed a site-specific pH of 7.9, as the majority of the site consists of Crawford and Bexar soils, with a pH of 7.89 and Krum Complex soils, with a pH of 7.87. These soil types are also considered to be “clayey” soils. Therefore, site specific K_d values were obtained from the TRRP Rule and determined to be 1830 for lead and 400 for zinc. In addition to these site-specific values, conservative estimates for L_1 and L_2 were used to calculate Tier 2 PCLs. The L_1 value was assumed to be 11 ft (335 cm), which correlates to the maximum depth of contamination in excess of the Tier 1 $^{GW}Soil_{ing}$ PCL. The L_2 value was assumed to be equal to 70 ft (2134 cm), which correlates to the shallowest recorded depth to groundwater. All other parameters used to calculate the Tier 2 $^{GW}Soil_{ing}$ PCLs were TRRP default values.

Tier 2 Ecological PCLs were also calculated as shown in the attached Tables. Lead and zinc were retained for further consideration in the ecological risk evaluation and site- and medium-specific PCLs were calculated for each relevant measurement receptor in soil. The relevant measurement receptors include:

- White-footed mouse
- Short-tailed Shrew
- Gray Fox
- American Robin
- Bobwhite Quail
- Black-capped Vireo
- Golden-cheeked Warbler
- Red-Tailed Hawk

In accordance with the TRRP rule, both the NOAEL and LOAEL PCLs were calculated for the most sensitive receptor. In this case, the American Robin was the most sensitive receptor for both lead and zinc. Per TRRP guidance, the final ecological PCL for a COC in a medium should be the lowest of the comparative PCLs and should lie between the NOAEL and LOAEL for the most susceptible measurement receptor. Therefore, the average between the NOAEL- and LOAEL based PCLs for the American Robin (the most susceptible measurement receptor) was used as the comparative PCL. The final ecological PCL for lead was calculated to be 535 mg/kg, while the final ecological PCL for zinc was 155.8 mg/kg.

Since the final ecological PCLs are less than the Tier 1 $^{Tot}Soil_{comb}$ PCL and the Tier 2 $^{GW}Soil_{ing}$ PCL, the final ecological PCLs are used as the critical PCL.

Appendix 9 Tables

Tier 2 Evaluation

Specify media to which tables apply x Surface soil x Subsurface soil

Specify if table is for on-site or off-site property x On-site Off-site
 Off-site land use(s) for purpose of PCL development¹: Residential x Commercial/industrial

	Soil bulk density ρ_b (g/cm ³)	Volumetric water content θ_{ws} (cm ³ /cm ³)	Volumetric air content θ_{as} (cm ³ /cm ³)	Fraction organic carbon foc (g/g)	Groundwater Darcy velocity U_{gw} (cm/year)	Aquifer thickness b_{gw} (m)	Groundwater gradient i (m/m)	Hydraulic conductivity K (m/day)	Average annual precipitation P (cm/yr)	Net infiltration rate I_f (cm/yr)	Saturated hydraulic conductivity of vadose zone soils K_{vs} (cm/s)
Tier 1 defaults	1.67	0.16	0.21	0.002	NA	NA	NA	NA	NA	NA	NA
Tier 2 values	1.67	0.16	0.21	0.008	NA	NA	NA	NA	NA	NA	NA

COC	Critical GW PCL (from Table 12A)		Affected soil thickness L_1 (cm)	Depth from top of affected soil to gw table L_2 (cm)	Source area width parallel to gw flow W_s (m)	GW mixing zone thickness δ_{gw} (m)	Soil-leachate partition factor K_{sw} (mg/L/mg/kg)	Lateral dilution factor LDF	GWSoil PCL (mg/kg)
	(mg/L)	pathway ²							
Lead	15	GWGW _{Ing}	335	2134			0.000546	10	2122
Zinc	22	GWGW _{Ing}	335	2134			0.025	10	558000

¹ Repeat the table if needed for different off-site land uses.

² Specify the pathway for the critical groundwater PCL (GW_{Ing}, GW_{Class3}, AirGW_{Inh-v}, ecological PCL (eco), SWGW, etc.)

Appendix 10

Laboratory Data Packages and Data Usability Summary

TO19 DATA VERIFICATION SUMMARY REPORT
for samples collected from
CAMP STANLEY STORAGE ACTIVITY
BOERNE, TEXAS

Data Verification by: Katherine LaPierre and Tammy Chang
Parsons - Austin

INTRODUCTION

The following data verification summary report covers soil samples collected from Camp Stanley Storage Activity (CSSA) under Task Order 0019 on January 6, 2004. The samples in the following Sample Delivery Group (SDG) were analyzed for volatile organic compounds (VOCs), metals and explosives:

43475

The field quality control (QC) samples collected in association with this SDG included one matrix spike/matrix spike duplicate (MS/MSD) pair, two field duplicates (FD) and one trip blank. No ambient blanks were collected. During the initiation of this project, it was determined that ambient blanks were not necessary due to the absence of a source at these sites.

All samples were collected by Parsons. All analyses except Explosives were performed by APPL Inc. following the procedures outlined in the Statement of Work and CSSA QAPP, version 1.0. The samples in this SDG were shipped to APPL in two coolers. Both coolers were received by APPL at a temperature of 3.0⁰ C which is within the 2-6⁰ C range recommended by the QAPP. The explosives analyses were subcontracted by APPL to EMAX Laboratories in Torrance, California. The samples were shipped from APPL to EMAX in a single cooler. The cooler was received by EMAX at a temperature of 3.4⁰ C which is within the 2-6⁰ C range recommended by the QAPP.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the CSSA QAPP, version 1.0. Information reviewed in the data packages included sample results; field and laboratory quality control results; calibrations, case narratives; raw data; chain-of-custody (COC) forms and sample receipt checklists. The analyses and findings presented in this report are based on the reviewed information, and whether guidelines in the CSSA QAPP, version 1.0, were met.

VOLATILES

General

The VOC portion of this SDG consisted of twenty-six (26) samples, including twenty-one (21) environmental soil samples, one MS/MSD pair, two field duplicates and one trip blank. The samples were collected on January 6, 2004 and were analyzed for Toluene only. The VOC analyses were performed according to the United States Environmental Protection Agency (USEPA) SW846 Method 8260B.

All samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

The soils were analyzed in three separate batches on a single instrument and the trip blank was analyzed in a separate water batch on a different instrument.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the laboratory control spike (LCS) and spike duplicate (LCSD) samples, the MS/MSD samples, and the surrogate spikes. Sample B2-SW02 was designated for MS/MSD analysis on the COC.

There were four sets of LCS/LCSD samples analyzed, three soil LCS/LCSD pair (one for each soil batch) and one water LCS/LCSD pair (for the Trip Blank batch). All LCS and LCSD recoveries were within acceptance criteria.

The MS/MSD recoveries for Toluene failed to meet acceptance criteria as follows:

Analyte	MS %R	MSD %R	Criteria
Toluene	47.8	51.1	64-135%

The toluene results for all samples were flagged "M" due to the low bias demonstrated by the MS/MSD.

All surrogate spike recoveries were within acceptance criteria.

Precision

Precision was evaluated using the relative percent difference (RPD) obtained from the LCS/LCSD samples, the MS/MSD samples and field duplicate samples. Samples B2-SW12 and B2-SW13 were collected in duplicate. The second sample from each location was submitted and analyzed as a field duplicate.

All LCS/LCSD RPDs were within acceptance criteria.

The MS/MSD RPD for Toluene was within acceptance criteria.

Toluene was not detected in either the parent samples or their associated field duplicate samples, so the RPD calculation was not applicable.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All instrument tune criteria were met.
- Two initial calibrations (ICALs) were performed, one for soils and one for waters. All QAPP criteria were met for both ICALs.
- All second source verification criteria were met. The LCS/LCSD samples were prepared using a secondary source.
- All soil calibration verification criteria were met. No CCV analyses were performed for waters since the Trip Blank was analyzed immediately following the ICAL.
- All internal standard criteria were met.

Four method blanks (one for each batch) and one trip blank were analyzed in association with the VOC analyses in this SDG. Toluene was not detected at or above the RL in any of the method blanks. The trip blank was non-detect for Toluene.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All Toluene results for the samples in this SDG were considered usable. The completeness of the VOC portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

ICP METALS

General

The ICP metals portion of this SDG consisted of twenty-five (25) samples, including twenty-one (21) environmental soil samples, one MS/MSD pair and two field duplicates. The samples were collected on January 6, 2004 and were analyzed for a reduced list of ICP metals which included chromium and nickel only.

The ICP metals analyses were performed using USEPA SW846 Method 6010B. The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. The samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the %R obtained from the LCS/LCSD samples and MS/MSD samples. Sample B2-SW02 was designated for MS/MSD analysis on the COC.

Two LCS/LCSD pair were analyzed, one for each batch. All LCS/LCSD recoveries were within acceptance criteria.

All MS/MSD recoveries were within acceptance criteria for chromium and nickel.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples, the MS/MSD samples, and the field duplicate samples. Samples B2-SW12 and B2-SW13 were collected in duplicate. The second sample from each location was submitted and analyzed as a field duplicate.

All LCS/LCSD and MS/MSD RPDs were within acceptance criteria.

For the FD pair analyzed on sample B2-SW12, both RPDs failed as follows:

Parent	Metal	FD RPD	Criteria
B2-SW12	Chromium	35.4	RPD \leq 20
	Nickel	37.4	

All detections above the RL for these metals were flagged “J” for all samples due to the high field duplicate RPDs.

For the FD pair analyzed on sample B2-SW13, all RPDs met criteria as follows:

Parent	Metal	FD RPD	Criteria
B2-SW13	Chromium	2.1	RPD \leq 20
	Nickel	1.3	

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- Two ICALs were performed. All QAPP criteria were met for both ICALs.
- All initial and continuing calibration verification criteria were met.
- All second source calibration criteria were met. The ICV samples were prepared using a secondary source.

- All interference check criteria were met.
- A dilution test (DT) was analyzed on sample B2-SW12. Both metals failed to meet criteria as follows:

Metal	%D	Criteria
Chromium	12.7	%D ≤ 10
Nickel	15.5	

All associated sample results were already flagged “J” due to the failing field duplicate RPDs, so no additional corrective action was necessary.

- The laboratory also analyzed a post digestion spike (PDS) on sample B2-SW12. The PDS recoveries for both chromium and nickel were within acceptance criteria.

One method blank and several calibration blanks were analyzed in association with the ICP analyses in this SDG. All blanks were free of target metals at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All ICP metals results for the samples in this SDG were considered usable. The completeness for the ICP metals portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

CADMIUM

General

The cadmium portion of this SDG consisted of twenty-five (25) samples, including twenty-one (21) environmental soil samples, one MS/MSD pair and two field duplicates. The samples were collected on January 6, 2004 and were analyzed for cadmium using USEPA SW846 Method 7131A.

The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. The samples were prepared and analyzed within the holding time required by the method.

It should be noted that ten of the samples were analyzed at a dilution due to the high levels of cadmium present.

Accuracy

Accuracy was evaluated using the %R obtained from the LCS/LCSD samples and the MS/MSD samples. Sample B2-SW02 was designated for MS/MSD analysis on the COC.

There were two LCS/LCSD pair analyzed for cadmium, one for each batch. All LCS/LCSD recoveries were within acceptance criteria.

The MS/MSD recoveries failed to meet criteria as follows:

Parent	Metal	MS %R	MSD %R	Criteria
B2-SW02	Cadmium	133.3	133.3	80-122%

The cadmium results for all samples were flagged “M” in accordance with the CSSA QAPP.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples, the MS/MSD samples, and the field duplicate analyte results. Samples B2-SW12 and B2-SW13 were collected in duplicate. The second sample from each location was submitted and analyzed as a field duplicate.

All LCS/LCSD and MS/MDS RPDs were within acceptance criteria.

For the FD pair analyzed on sample B2-SW12, the RPD met criteria as follows:

Metal	FD RPD	Criteria
Cadmium	15.4	RPD ≤ 25

For the FD pair analyzed on sample B2-SW13, the RPD failed criteria as follows:

Metal	FD RPD	Criteria
Cadmium	33.8	RPD ≤ 25

No corrective action was necessary because all cadmium results were previously flagged “M” due to the failing MS/MSD recoveries and the “M” flag supercedes the “J” flag in the CSSA QAPP flag hierarchy.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- Four ICALs were performed. All QAPP criteria were met for the four ICALs
- All initial and continuing calibration verification criteria were met.
- All second source calibration criteria were met. The ICV samples were prepared using a secondary source.
- Two dilution tests were performed. The DTs were analyzed on samples B2-SW02 and B2-SW16. Cadmium failed criteria in both DTs as follows:

Sample	Metal	%D	Criteria
B2-SW02	Cadmium	11.4	%D ≤ 10
B2-SW16	Cadmium	14.9	%D ≤ 10

No corrective action was necessary because all sample results for cadmium were previously flagged “M” due to the failing MS/MSD recoveries.

- The laboratory also analyzed a PDS on samples B2-SW02 and B2-SW16. Cadmium met criteria in the PDS analyzed on sample B2-SW02 with a recovery of 91.6%. Cadmium failed criteria in the PDS analyzed on sample B2-SW16 as follows:

Sample	Metal	%R	Criteria
B2-SW16	Cadmium	123	85-115%

No corrective action was necessary because all sample results for Cadmium were previously flagged “M” due to the failing MS/MSD recoveries.

Two method blanks and several calibration blanks were analyzed in association with the cadmium analyses in this SDG. All blanks were free of cadmium at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All cadmium results for the samples in this SDG were considered usable. The completeness for the cadmium portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

LEAD

General

The lead portion of this SDG consisted of twenty-five (25) samples, including twenty-one (21) environmental soil samples, one MS/MSD pair and two field duplicates. The samples were collected on January 6, 2004 and were analyzed for lead using USEPA SW846 Method 7421.

The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. The samples were prepared and analyzed within the holding time required by the method.

It should be noted that all samples required a dilution due to the high levels of lead present.

Accuracy

Accuracy was evaluated using the %R obtained from the LCS/LCSD samples and MS/MSD samples. Sample B2-SW02 was designated for MS/MSD analysis on the COC.

There were two LCS/LCSD pair analyzed in association with the lead results, one for each batch. All LCS/LCSD recoveries were within acceptance criteria.

The MS recovery met criteria, but the MSD recovery failed as follows:

Parent	Metal	MS %R	MSD %R	Criteria
B2-SW02	Lead	(89.6)	-4.4	74-124%

() indicates the recovery met criteria.

The anomalous MSD recovery was due to the fact that the parent sample concentration was significantly greater than (more than twenty times) the spike amount. The lead results for all samples were flagged “M” in accordance with the CSSA QAPP.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples, the MS/MSD samples, and the field duplicate analyte concentrations. Samples B2-SW12 and B2-SW13 were collected in duplicate. The second sample from each location was submitted and analyzed as a field duplicate.

All LCS/LCSD and MS/MSD RPDs were within acceptance criteria.

For the FD pair analyzed on sample B2-SW12, the RPD met criteria as follows:

Metal	FD RPD	Criteria
Lead	0.9	RPD ≤ 25

For the FD pair analyzed on sample B2-SW13, the RPD failed criteria as follows:

Metal	FD RPD	Criteria
Lead	56.7	RPD ≤ 25

No corrective action was necessary because all lead results were previously flagged “M” due to the failing MSD recovery and the “M” flag supercedes the “J” flag in the CSSA QAPP flag hierarchy.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- Two ICALs were performed. All QAPP criteria were met for both ICALs.
- All initial and continuing calibration verification criteria were met.
- All second source calibration criteria were met. The ICV samples were prepared using a secondary source.

- The laboratory analyzed a dilution test on samples B2-SW02 and B2-SW16. Both dilution tests met criteria as follows:

Sample	Metal	%D	Criteria
B2-SW02	Lead	10	%D ≤ 10
B2-SW16	Lead	7.3	%D ≤ 10

- The laboratory also analyzed a PDS on samples B2-SW02 and B2-SW16. Lead met criteria in the PDS analyzed on sample B2-SW02 with a recovery of 110%. Lead failed to meet criteria in the PDS analyzed on sample B2-SW16 as follows:

Sample	Metal	%R	Criteria
B2-SW16	Lead	79.6	85-115%

No corrective action was necessary because all sample results for Lead were previously flagged “M” due to the failing MSD recovery.

Two method blanks and several calibration blanks were analyzed in association with the lead analyses in this SDG. All blanks were free of lead at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All lead results for the samples in this SDG were considered usable. The completeness for the lead portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

EXPLOSIVES

General

The Explosives portion of this SDG consisted of twenty-five (25) samples, including twenty-one (21) environmental soil samples, one MS/MSD pair, and two field duplicates. The samples were collected on January 6, 2004 and were analyzed for the full list of Explosives as specified by the CSSA QAPP. The Explosives analyses were performed in accordance with USEPA SW846 Method 8330.

All samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP, with the exceptions noted in this report. All samples were prepared and analyzed within the holding time required by the method.

The samples were extracted in two batches. Extraction batch EXA003S (performed on January 13, 2004) contained the first twenty samples plus one method blank and one LCS. Extraction batch EXA004S (performed on January 14, 2004) contained the last three samples plus one method blank and an LCS/LCSD pair.

It should be noted that the EMAX data was reported with RLs for several analytes that exceeded those listed in the CSSA QAPP. Details regarding the elevated RLs can be found in the following table. All RLs listed below are in mg/kg:

Analyte	Lab RL	QAPP RL
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1,3,5-TNB	0.4	0.25
1,3-DNB	0.4	0.25
2,4,6-TNT	0.4	0.25
2,6-DNT	0.4	0.26
Nitrobenzene	0.4	0.26
o-Nitrotoluene	0.4	0.25

The MDLs for these analytes were 40% (or less) of the QAPP RL. No results were reported between the MDL and the RL for the samples in this SDG. All sample results were non-detect. Thus, data quality was not affected by the elevated RLs. All results were well below the action levels for these compounds

Accuracy

Accuracy was evaluated using the %R obtained from the LCS/LCSD samples, the MS/MSD samples, and the surrogate spikes. Sample B2-SW02 was designated for MS/MSD analysis on the COC.

All LCS/LCSD and MS/MSD recoveries were within acceptance criteria. The laboratory tolerances for LCS/LCSD and MS/MSD recoveries provided in the report differ slightly from those listed in the CSSA QAPP. However, all LCS/LCSD and MS/MSD recoveries were well within CSSA QAPP tolerances. The LCS/LCSD recoveries ranged from a low of 98% to a high of 120%, and the MS/MSD recoveries ranged from a low of 91% to a high of 121%.

All surrogate spike recoveries were within criteria. The lab used 3,4-Dinitrotoluene as the surrogate. The laboratory tolerances for surrogate recoveries were 54-154%. However, the surrogate recoveries for all samples and QC associated with this SDG ranged from a low of 86% to a high of 117% and met CSSA QAPP criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples, the MS/MSD samples and field duplicate samples. Samples B2-SW12 and B2-SW13 were collected in duplicate. The second sample from each location was submitted and analyzed as a field duplicate.

All LCS/LCSD and MS/MSD RPDs were within acceptance criteria.

All analytes were non-detect in both parent samples and their associated field duplicate samples, so the RPD calculation was not applicable.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met for both the Primary and Secondary column.
- All second source verification criteria were met for both the Primary and Secondary column. The ICV samples were prepared using a secondary source.
- All calibration verification criteria were met, except for the following:

CCV Date & Time	Analyte	%D	Criteria
1/4/2004 23:41	2,4,6-TNT	19	%D ≤ 15
1/5/2004 05:27	2,4,6-TNT	21	%D ≤ 15

The average %D for all analytes in the CCVs met method criteria. However, because the CSSA QAPP specifies that all analytes must be recovered within ±15%, this analyte failed the QAPP criteria. A teleconference call with CSSA/Portage/Parsons was conducted on May 25, 2004 and all parties agreed that the higher %D of these CCVs would only cause high-biased results. Since there was no sample with detected amount of 2,4,6-TNT, no data qualifier is needed.

- Only one sample in this SDG had a detection for explosives. The detection of 2,4-DNT in sample B2-BOT02 was confirmed on a Secondary column and the RPD between the Primary and Secondary result met criteria.

Two method blanks (one for each extraction batch) were analyzed in association with the Explosives analyses in this SDG. Both method blanks were non-detect for all target analytes.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All Explosives results for the samples in this SDG were considered usable. The completeness for explosives was 100% which met the 90% requirement.

TO19 DATA VERIFICATION SUMMARY REPORT

for samples collected from CAMP STANLEY STORAGE ACTIVITY

BOERNE, TEXAS

Data Verification by: Katherine LaPierre and Tammy Chang
Parsons - Austin

INTRODUCTION

The following data verification summary report covers soil samples collected from Camp Stanley Storage Activity (CSSA) under Task Order 0019 on May 11, 2004. The samples in the following Sample Delivery Group (SDG) were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) and metals:

44445

The field quality control (QC) samples collected in association with this SDG included one field duplicate (FD) and one matrix spike/matrix spike duplicate (MS/MSD) pair. No ambient blanks were collected. During the initiation of this project, it was determined that ambient blanks were not necessary due to the absence of a source at these sites. No trip blank was included in the cooler, even though three samples required analysis for Toluene.

All samples were collected by Parsons and analyzed by APPL Inc. following the procedures outlined in the Statement of Work and CSSA QAPP, version 1.0. The cooler associated with this SDG was received by the laboratory at a temperature of 3.0° C which is within the 2-6° C range recommended by the QAPP.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the CSSA QAPP, version 1.0. Information reviewed in the data packages included sample results; field and laboratory quality control results; calibrations; case narratives; raw data; chain-of-custody (COC) forms and cooler receipt checklists. The analyses and findings presented in this report are based on the reviewed information, and whether guidelines in the CSSA QAPP, version 1.0, were met.

VOLATILES

General

The VOC portion of this SDG consisted of three (3) environmental soil samples. The samples were collected on May 11, 2004 and were analyzed for Toluene only according to United States Environmental Protection Agency (USEPA) SW846 Method 8260B.

All samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

It should be noted that no Trip Blank was included in the cooler for these samples. Since all samples were non-detect for Toluene, data quality was not affected and no corrective action was necessary.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the laboratory control spike (LCS) and LCS duplicate (LCSD) samples and the surrogate spikes. No sample was designated for MS/MSD analysis on the COC for volatiles.

All LCS/LCSD and surrogate spike recoveries were within acceptance criteria.

Precision

Precision was evaluated using the relative percent difference (RPD) obtained from the LCS/LCSD analyte results.

The LCS/LCSD RPD for Toluene was within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All instrument tune criteria were met.
- All initial calibration criteria were met.
- All second source verification criteria were met. The LCS and LCSD were prepared using a secondary source.
- No continuing calibration verification samples were required because the samples were analyzed immediately following the initial calibration.
- All internal standard criteria were met.

One method blank was analyzed in association with the VOC analyses in this SDG. Toluene was not detected at or above the RL in the method blank.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All VOCs results for the samples in this SDG were considered usable. The completeness of the VOCs portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

SEMIVOLATILES

General

The SVOC portion of this SDG consisted of three (3) environmental soil samples. The samples were collected on May 11, 2004 and were analyzed for Di-n-butylphthalate only according to USEPA SW846 Method 8270C.

All samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the %R obtained from the LCS sample and the surrogate spikes. No sample was designated for MS/MSD analysis on the COC for semivolatiles.

All LCS and surrogates recoveries were within acceptance criteria.

Precision

Precision could not be evaluated for the SVOC portion of this SDG because no duplicate analyses were performed.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All instrument tune criteria were met.
- All initial calibration criteria were met.
- All second source verification criteria were met.

- All continuing calibration verification criteria were met.
- All internal standard criteria were met.

One method blank was analyzed in association with the SVOC analyses in this SDG. Di-n-butylphthalate was not detected at or above the RL in the method blank.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All SVOCs results for the samples in this SDG were considered usable. The completeness of the SVOCs portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

ICP METALS

General

The ICP metals portion of this SDG consisted of two (2) environmental soil samples. The samples were collected on May 11, 2004 and were analyzed for a reduced list of ICP metals. Sample DD-SW22 was analyzed for zinc only and sample DD-SW24 was analyzed for copper and zinc.

The ICP metals analyses were performed using USEPA SW846 Method 6010B. The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. The samples were prepared and analyzed in two batches and within the holding time required by the method.

Accuracy

Accuracy was evaluated using the %R obtained from the LCS/LCSD samples. No sample was designated for MS/MSD analysis on the COC for copper or zinc.

All LCS/LCSD recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD.

The LCS/LCSD RPDs for both copper and zinc were within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All initial and continuing calibration verification criteria were met.
- All second source calibration criteria were met. The ICV was prepared using a secondary source.
- All interference check criteria were met.
- No dilution test (DT) was required since no metals were detected at a concentration of 50 times the MDL.
- No PDS was required as per the CSSA QAPP.

One method blank and several calibration blanks were analyzed in association with the ICP analyses in this SDG. All blanks were free of copper and zinc at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All ICP metals results for the samples in this SDG were considered usable. The completeness for the ICP metals portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

LEAD

General

The lead portion of this SDG consisted of eighteen (18) samples, including sixteen (16) environmental soil samples and one MS/MSD pair. The samples were collected on May 11, 2004 and were analyzed for lead using USEPA SW846 Method 7421.

The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. The samples were prepared and analyzed in two analytical batches and within the holding time required by the method.

It should be noted that all samples required dilution due to the high levels of lead present.

Accuracy

Accuracy was evaluated using the %R obtained from the LCS/LCSD and MS/MSD samples. Sample B2-SW20 was designated for MS/MSD analysis on the COC.

The LCS/LCSD recoveries were within acceptance criteria.

The lead recoveries failed to meet criteria in the MS/MSD as follows:

Analyte	MS %R	MSD %R	Criteria
Lead	-36.0	-40.0	74-124%

The anomalous recoveries are due to the low spike amount relative to the native sample concentration. The parent sample concentration for lead was greater than ten times the amount spiked. All lead results for the samples in this SDG were flagged “M” in accordance with the CSSA QAPP.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD and MS/MSD samples.

Both the LCS/LCSD and MS/MSD RPDs were within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- There were two initial calibration curves analyzed for lead. Both curves met all initial calibration criteria.
- All initial and continuing calibration verification criteria were met.
- All second source calibration criteria were met. The two ICV samples (one for each ICAL) were prepared using a secondary source.
- The dilution test was analyzed on sample B2-SW20. The DT was evaluated using the 10x and 50x dilutions for this sample. The DT met criteria with a %D of 3.8.
- No PDS was required as per the CSSA QAPP.

One method blank and several calibration blanks were analyzed in association with the lead analyses in this SDG. All blanks were free of lead at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All lead results for the samples in this SDG were considered usable. The completeness for the lead portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

MERCURY

General

The mercury portion of this SDG consisted of five (5) samples, including four (4) environmental soil samples and one filed duplicate. The samples were collected on May 11, 2004 and were analyzed for mercury using USEPA SW846 Method 7471A.

The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the %R obtained from the LCS/LCSD samples. No sample was designated for MS/MSD analysis on the COC.

Both LCS/LCSD recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples and the field duplicate analyte results. Sample DD-SW25 was collected in duplicate. The second jar for this sample was submitted and analyzed as a field duplicate.

The LCS/LCSD RPD was within acceptance criteria.

The field duplicate RPD for sample DD-SW25 could not be calculated because mercury was non-detect in both the parent and field duplicate samples.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. The samples were prepared and analyzed within the holding times required by the method.

- All initial calibration criteria were met.
- All calibration verification criteria were met.
- All second source verification criteria were met. The ICV was prepared using a secondary source.

One method blank and several calibration blanks were analyzed in association with the mercury analyses in this SDG. All blanks were free of mercury at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All mercury results for the samples in this SDG were considered usable. The completeness for the mercury portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

TO19 DATA VERIFICATION SUMMARY REPORT

for samples collected from CAMP STANLEY STORAGE ACTIVITY

BOERNE, TEXAS

Data Verification by: Katherine LaPierre and Tammy Chang
Parsons - Austin

INTRODUCTION

The following data verification summary report covers soil samples collected from Camp Stanley Storage Activity (CSSA) under Task Order 0019 on November 8, 2004. The samples in the following Sample Delivery Group (SDG) were analyzed for volatile organic compounds (VOCs), explosives and metals:

45893

The field quality control (QC) samples collected in association with this SDG included one field duplicate, one matrix spike/matrix spike duplicate (MS/MSD) pair and one trip blank. No ambient blanks were collected. During the initiation of this project, it was determined that ambient blanks were not necessary due to the absence of a source at these sites. The trip blank was analytes for volatiles only. The field duplicate and MS/MSD were analyzed for lead only, in accordance with the chain-of-custody (COC).

All samples were collected by Parsons. All analyses were performed by APPL Inc. following the procedures outlined in the Statement of Work and CSSA QAPP, version 1.0. The cooler associated with this SDG was received by APPL at a temperature of 2.7° C which is within the 2-6° C range recommended by the QAPP.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the CSSA QAPP, version 1.0. Information reviewed in the data packages included sample results; field and laboratory quality control results; calibrations; case narratives; raw data; cooler receipt form and COC forms. The analyses and findings presented in this report are based on the reviewed information, and whether guidelines in the CSSA QAPP, version 1.0, were met.

VOLATILES

General

The VOC portion of this SDG consisted of three (3) samples, including two (2) environmental soil samples and one trip blank. The samples were collected on November 8, 2004 and were analyzed for toluene only.

The VOC analyses were performed according to the United States Environmental Protection Agency (USEPA) SW846 Method 8260B. All samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the laboratory control spike (LCS) and LCS duplicate (LCSD) samples and the surrogate spikes. No sample was designated for MS/MSD analysis on the COC.

The soil batch contained an LCS only. The water batch contained both an LCS and an LCSD. All LCSs and LCSD recoveries were within acceptance criteria.

All surrogate spike recoveries were within acceptance criteria.

Precision

Precision was evaluated using the relative percent difference (RPD) obtained from the LCS/LCSD samples for waters. Precision could not be assessed for soils since no duplicate analyses were performed.

All LCS/LCSD RPDs for water batch were within acceptance criteria for waters.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining field and laboratory blanks for cross contamination of samples during sample transit and analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All instrument tune criteria were met.
- All initial calibration criteria were met. There were two ICALs associated with this SDG, one for soils and one for waters.
- All second source verification criteria were met. The LCS and LCSD samples were prepared using a secondary source.
- All calibration verification criteria were met, except for the following:

ICV ID	Analyte	%D	Criteria
Vol Std 03-01-04D@50ug/L	Ethylbenzene	20.7	%D ≤ 20

This ICV was run at the beginning of the soil batch. However, since the samples were analyzed for toluene only and toluene met criteria in the ICV, no corrective action was necessary.

- All internal standard criteria were met.
- All manual integrations were reviewed and approved.

Two method blanks (one soil and one water) and one Trip Blank were analyzed in association with the VOC analyses in this SDG. All blanks were free of toluene at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All VOC results for the samples in this SDG were considered usable. The completeness of the VOC portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

EXPLOSIVES

General

The explosives portion of this SDG consisted of two (2) environmental soil samples. The samples were collected on November 8, 2004 and were analyzed for the full list of explosives as specified in the CSSA QAPP.

The explosives analyses were performed according to USEPA SW846 Method 8330. All samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the recovery obtained from the LCS/LCSD samples and the surrogate spikes. No sample was designated for MS/MSD analysis on the COC.

All LCS/LCSD recoveries were within acceptance criteria.

The lab used 1,2-Dinitrobenzene as the surrogate. The laboratory used the CSSA QAPP soil accuracy tolerances for 1,3-Dinitrobenzene (65-135%) as the surrogate tolerances since the two compounds are similar in chemical structure. All surrogate spike recoveries were within criteria, with the exception of the LCS. The surrogate recovery for the LCS was slightly above tolerance at 138%. Since all analytes met criteria in the LCS, no corrective action was necessary.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples.

All LCS/LCSD RPDs were within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and

- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All samples were non-detect for explosives, so no secondary column analysis was required.
- All initial calibration criteria were met for the Primary column.
- All second source verification criteria were met for the Primary column.
- All calibration verification criteria were met.

There was one method blank associated with the Explosives analyses in this SDG. No target analytes were detected at or above the RL in the method blank.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All Explosives results for the samples in this SDG were considered usable. The completeness for the Explosives portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

ICP METALS

General

The ICP metals portion of this SDG consisted of two (2) environmental soil samples. The samples were collected on November 8, 2004 and were analyzed for chromium and nickel only.

The ICP metals analyses were performed using USEPA SW846 Method 6010B. The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the %R obtained from the LCS/LCSD. No sample was designated for MS/MSD analysis on the COC.

All LCS/LCSD recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples.

Both LCS/LCSD RPDs were within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All initial and continuing calibration verification criteria were met.
- All second source calibration criteria were met. The ICV was prepared using a secondary source.
- All interference check criteria were met.
- A dilution test was analyzed on sample B2-SP01. Chromium met criteria, but nickel failed as follows:

Sample ID	Metal	%D	Criteria
B2-SP01	Chromium	8.6	%D ≤ 10
	Nickel	15.4	

No MS/MSD was analyzed for ICP metals, so all sample results for nickel were flagged “M” in accordance with the CSSA QAPP.

- No post digestion spike was required, as per the CSSA QAPP.

One method blank and several calibration blanks were analyzed in association with the ICP analyses in this SDG. All blanks were free of target metals at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All ICP metals results for the samples in this SDG were considered usable. The completeness for the ICP metals portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

CADMIUM

General

The cadmium portion of this SDG consisted of two (2) environmental soil samples. The samples were collected on November 8, 2004 and were analyzed for cadmium using USEPA SW846 Method 7131.

The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. The samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the %R obtained from the LCS/LCSD samples. No sample was designated for MS/MSD analysis on the COC.

Both LCS/LCSD recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples.

The LCS/LCSD RPD was within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All initial and continuing calibration verification criteria were met.
- All second source calibration criteria were met. The ICV was prepared using a secondary source.
- A dilution test was analyzed on sample B2-SP02. The DT failed to meet criteria as follows:

Sample ID	Metal	%D	Criteria
B2-SP02	Cadmium	13.1	%D ≤ 10

No MS/MSD was analyzed for cadmium, so all sample results were flagged “M” in accordance with the CSSA QAPP.

- No PDS was required, as per the CSSA QAPP.

One method blank and several calibration blanks were analyzed in association with the cadmium analyses in this SDG. All blanks were free of cadmium at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All cadmium results for the samples in this SDG were considered usable. The completeness for the cadmium portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

LEAD

General

The lead portion of this SDG consisted of thirteen (13) samples, including ten (10) environmental soil samples, one MS/MSD pair and one field duplicate. The samples were collected on November 8, 2004 and were analyzed for lead using USEPA SW846 Method 7421.

The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. The samples were prepared and analyzed within the holding time required by the method.

It should be noted that all of the samples required a dilution due to the high levels of lead present.

Accuracy

Accuracy was evaluated using the %R obtained from the LCS/LCSD samples and the MS/MSD samples. Sample B2-BOT09 was designated for MS/MSD analysis on the COC.

Both LCS/LCSD recoveries were within acceptance criteria.

The MS/MSD recoveries failed to meet criteria as follows:

Metal	MS %R	MSD %R	Criteria
Lead	1756	12566	74-124%

The anomalous recoveries were due to the low spike concentration relative to the amount of lead in the parent sample. The parent sample concentration for lead was 123.63 mg/kg and the spike concentration was only 2.5 mg/kg. All lead results were flagged "M" due to the failing MS/MSD recoveries in accordance with the CSSA QAPP.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples, MS/MSD samples and the field duplicate analyte concentrations. Sample B2-SW28 was collected in duplicate. The second sample from this location was submitted and analyzed as a field duplicate.

The LCS/LCSD RPD was within acceptance criteria.

The MS/MSD RPD failed to meet criteria ($RPD \leq 25$) at 89.3. All sample results for lead were previously flagged "M" due to the non-compliant MS/MSD recoveries, so no additional corrective action was necessary.

The field duplicate RPD failed to meet criteria as follows:

Metal	Parent Conc.	FD Conc.	RPD	Criteria
Lead	48.34 mg/kg	373.26 mg/kg	154	74-124%

All sample results for lead were previously flagged "M" due to the non-compliant MS/MSD recoveries, so no additional corrective action was necessary. (The "M" flag supercedes the "J" flag in the CSSA QAPP flag hierarchy.)

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All initial and continuing calibration verification criteria were met for the diluted analyses. The laboratory performed the diluted analyses for all samples first, and then reanalyzed the samples undiluted in accordance with the CSSA QAPP. Because the samples contained such high levels of lead, the calibration verification samples analyzed after the undiluted runs exceeded criteria due to carry-over. The undiluted analyses were not used as all lead concentrations exceeded the linear range of the instrument. Therefore, no corrective action was necessary.
- All second source calibration criteria were met. The ICV was prepared using a secondary source.
- The dilution test was analyzed on sample B2-SP01. The DT failed to meet criteria as follows:

Metal	%D	Criteria
Lead	31.8	%D ≤ 10

All sample results for lead were previously flagged “M” due to the non-compliant MS/MSD recoveries, so no additional corrective action was necessary.

- No PDS was required, as per the CSSA QAPP.

One method blank and several calibration blanks were analyzed in association with the lead analyses in this SDG. All blanks associated with the diluted analyses were free of lead at or above the RL. The laboratory performed the diluted analyses for all samples first, and then reanalyzed the samples undiluted in accordance with the CSSA QAPP. Because the samples contained such high levels of lead, the calibration blanks analyzed after the undiluted runs contained lead above the RL due to carry-over. The undiluted analyses were not used as all lead concentrations exceeded the linear range of the instrument. Therefore, no corrective action was necessary.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All lead results for the samples in this SDG were considered usable. The completeness for the lead portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

TO19 DATA VERIFICATION SUMMARY REPORT
for samples collected from
CAMP STANLEY STORAGE ACTIVITY
BOERNE, TEXAS

Data Verification by: Katherine LaPierre and Tammy Chang
Parsons - Austin

INTRODUCTION

The following data verification summary report covers soil samples collected from Camp Stanley Storage Activity (CSSA) under Task Order 0019 on December 20, 2004. The samples in the following Sample Delivery Group (SDG) were analyzed for pesticides, semivolatile organic compounds (SVOCs), volatile organic compounds (VOCS), explosives, and metals:

46221

The field quality control (QC) samples collected in association with this SDG included one field duplicate and one trip blank. No ambient blanks were collected. During the initiation of this project, it was determined that ambient blanks were not necessary due to the absence of a source at these sites. The trip blank was analyzed for volatiles only. The field duplicate was analyzed for the same parameters as the parent sample.

All samples were collected by Parsons. All analyses were performed by APPL Inc. following the procedures outlined in the Statement of Work and CSSA QAPP, version 1.0. The cooler associated with this SDG was received by APPL at a temperature of 4.1°C which is within the 2-6°C range recommended by the QAPP.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the CSSA QAPP, version 1.0. Information reviewed in the data packages included sample results; field and laboratory quality control results; calibrations; case narratives; raw data; cooler receipt form and chain-of-custody (COC) forms. The analyses and findings presented in this report are based on the reviewed information, and whether guidelines in the CSSA QAPP, version 1.0, were met.

PESTICIDES

General

The pesticide portion of this SDG consisted of six (6) samples, including five (5) environmental soil samples and one field duplicate. The samples were collected on December 20, 2004 and were analyzed for the full list of pesticides as specified in the CSSA QAPP. Only the samples from AOC53 required analysis for pesticides.

The pesticide analyses were performed according to United States Environmental Protection Agency (USEPA) SW846 Method 8081A. All samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the Laboratory Control Spike (LCS) sample and the surrogate spikes. It should be noted that, due to laboratory oversight, no LCS was analyzed for toxaphene. All other analytes met criteria in the LCS and all surrogate recoveries were within criteria.

“R” flags were applied to all toxaphene data in this data package.

Precision

Precision is normally evaluated using the relative percent difference (RPD) obtained from the field duplicate analyte results. Sample AOC53-BOT02 was collected in duplicate. The second soil jar for this sample was submitted and analyzed as a field duplicate.

All analytes were non-detect in both the parent and field duplicate samples, so the RPD calculation was not applicable.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All breakdown check criteria were met.
- All initial calibration (ICAL) criteria were met. One ICAL was analyzed for Toxaphene and a second ICAL was analyzed for all other target analytes.
- All second source verification criteria were met. The standards analyzed immediately following the ICALs were prepared using a secondary source.
- All calibration verification criteria were met, except for the following:

Standard ID	Column	Analyte	%D	Criteria
OCL-4 12/14/04 (ICV)	1	alpha-BHC	17	%D ≤ 15
		delta-BHC	17	
OCL-2 12/14/04 (CCV)	2	4,4'-DDD	17	%D ≤ 15

No target analytes were detected in any of the samples, so no second column confirmation was needed. The laboratory used the “2” column as primary for alpha-BHC and delta-BHC, so no corrective action was necessary for these analytes. The laboratory used the “1” column as primary for 4,4'-DDD, so no corrective action was necessary for this analyte.

- All manual integrations were reviewed and approved.

One method blank was analyzed in association with the pesticide analyses in this SDG. The blank was free of all target pesticides at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All pesticide results for the samples in this SDG were considered usable except toxaphene. The completeness of the pesticide portion of this SDG is 95%, which meets the minimum acceptance criteria of 90%.

SEMIVOLATILES

General

The SVOC portion of this SDG consisted of six (6) samples, including five (5) environmental soil samples and field duplicate. The samples were collected on December 20, 2004 and were analyzed for the full list of SVOCs as specified in the CSSA QAPP. Only the samples from AOC53 required analysis for semivolatiles.

The SVOC analyses were performed according to USEPA SW846 Method 8270C. All samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS sample and the surrogate spikes. No sample was designated for MS/MSD analysis on the COC.

All LCS and surrogate spike recoveries were within acceptance criteria.

Precision

Precision is normally evaluated using the RPD obtained from the field duplicate analyte results. Sample AOC53-BOT02 was collected in duplicate. The second soil jar for this sample was submitted and analyzed as a field duplicate.

All analytes were non-detect in both the parent and field duplicate samples, so the RPD calculation was not applicable.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All instrument tune criteria were met.
- All initial calibration criteria were met.
- All second source verification criteria were met. The LCS sample was prepared using a secondary source.
- All calibration verification criteria were met.
- All internal standard criteria were met.
- All manual integrations were reviewed and found to be acceptable.

One method blank was analyzed in association with the VOC analyses in this SDG. The blank was free of all target SVOCs at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All SVOC results for the samples in this SDG were considered usable. The completeness of the SVOC portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

VOLATILES

General

The VOC portion of this SDG consisted of fifteen (15) samples, including thirteen (13) environmental soil samples, one field duplicate and one trip blank. The samples were collected on December 20, 2004 and were analyzed for VOCs. Only the samples from AOC53 required analysis for the full list of volatiles as specified in the CSSA QAPP. The samples from B2 required analysis for toluene only.

The VOC analyses were performed according to USEPA SW846 Method 8260B. All samples in this SDG were analyzed following the procedures outlined in the CSSA

QAPP. All samples were prepared and analyzed within the holding time required by the method.

The VOC analyses were performed in four different analytical batches, three for soils and one for the water trip blank. The analyses were performed on two different instruments and each analytical batch was run using a separate ICAL.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the LCS/LCSD samples, and the surrogate spikes. No sample was designated for MS/MSD analysis on the COC.

One soil batch and the water batch contained an LCS only. The remaining two soil batches contained both an LCS and LCSD. All LCS and LCSD recoveries were within acceptance criteria.

All surrogate spike recoveries were within acceptance criteria.

Precision

Precision is normally evaluated using the RPD obtained from the LCS/LCSD samples (when analyzed) and the field duplicate analyte results. Sample AOC53-BOT02 was collected in duplicate. The second soil jar for this sample was submitted and analyzed as a field duplicate.

All LCS/LCSD RPDs were within acceptance criteria.

All analytes were below the RL in both the parent and field duplicate samples, so the RPD calculation was not applicable.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining field and laboratory blanks for cross contamination of samples during sample transit and analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All instrument tune criteria were met.
- All initial calibration criteria were met. There were four ICALs associated with this SDG, three for soils and one for waters.
- The LCS and LCSD samples were prepared using a secondary source. All second source verification (SSV) criteria were met, except for the following:

SSV ID	Analyte	%D	Criteria
041228A LCS-1SC	Bromochloromethane	31	%D ≤ 25

The bromochloromethane results for all samples associated with this SSV were flagged “R” in accordance with the CSSA QAPP.

- Only one continuing calibration verification (CCV) sample was analyzed because for all other batches, the samples were analyzed immediately following the initial calibration. All criteria were met for the one CCV, except for the following:

ICV ID	Analyte	%D	Criteria
Vol Std 12-28-04@20mg/kg	Bromochloromethane	24	%D ≤ 20

The bromochloromethane results for all samples associated with this CCV were flagged “R” in accordance with the CSSA QAPP.

- All internal standard criteria were met, except for the following:

Sample ID	Internal Standard	Area Counts	Minimum AC
B2-SS07	1,4-Dichlorobenzene-d4	38558	43134
B2-SS08	1,4-Dichlorobenzene-d4	28746	43134
	Chlorobenzene-d5	92548	93864

No corrective action was necessary for 1,4-Dichlorobenzene-d4 because these samples were analyzed for toluene only and toluene is not quantitated using this internal standard. Toluene is quantitated against Chlorobenzene-d5 which failed in sample B2-SS08. However, no corrective action was necessary because the toluene result for this sample was below the RL. (The “F” flag supercedes the “J” flag in the AFCEE QAPP flag hierarchy.)

- All manual integrations were reviewed and approved.

Four method blanks (three soil and one water) and one Trip Blank were analyzed in association with the VOC analyses in this SDG. All three soil method blanks and the trip blank were free of toluene at or above the RL. The water method blank contained the following detections above the RL:

Blank ID	Analyte	Conc. (µg/L)	RL (µg/L)
041229A BKK-1WM	1,2,3-Trichlorobenzene	1.1	0.3
	1,2,4-Trichlorobenzene	0.64	0.4
	Bromomethane	2.5	1.1
	Naphthalene	0.83	0.4

No corrective action was necessary since this method blank was only associated with the trip blank and all analytes were non-detect in the trip blank.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All VOC results for the samples in this SDG were considered usable, with the exception of bromochloromethane in the samples analyzed on instrument Chico on December 27, 2004. A total of five results were rejected. Therefore, the completeness of the VOC portion of this SDG is 98.8%, which meets the minimum acceptance criteria of 90%. The completeness for bromochloromethane in this SDG is only 28.6%.

EXPLOSIVES

General

The explosives portion of this SDG consisted of eight (8) environmental soil samples. The samples were collected on December 20, 2004 and were analyzed for the full list of explosives as specified in the CSSA QAPP. Only the samples from site B2 required analysis for explosives.

The explosives analyses were performed according to USEPA SW846 Method 8330. All samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the recovery obtained from the LCS sample, MS/MSD samples and the surrogate spikes. Although no sample was designated for MS/MSD analysis on the COC, the laboratory analyzed an MS/MSD on sample B2-SS01.

All LCS recoveries were within acceptance criteria, except for the following:

LCS ID	Analyte	%D	Criteria
041228S LCSB	RDX	192	65-142%

No corrective action was necessary because the analyte was recovered high and was not detected in any of the samples.

All MS/MSD recoveries were within acceptance criteria, except for the following:

Parent	Analyte	MS %D	MSD %D	Criteria
B2-SS01	RDX	(104)	172	65-142%

() indicates the recovery met criteria.

The CSSA QAPP indicates that all sample results should be flagged “M” due to the high MSD recovery. However, after reviewing the raw data and other lab QC, it does not appear that the high MSD recovery is due to matrix. The LCS was also recovered high for RDX, indicating a possible high instrument bias. RDX was not detected in any of the samples, so the high bias did not adversely affect data quality. Thus, based on Parsons’ review of the raw data and the professional judgment of the data validator, no flags were deemed necessary for RDX.

The lab used 1,2-Dinitrobenzene as the surrogate. The laboratory used the CSSA QAPP soil accuracy tolerances for 1,3-Dinitrobenzene (65-135%) as the surrogate

tolerances since the two compounds are similar in chemical structure. All surrogate spike recoveries were within the specified criteria.

Precision

Precision was evaluated using the RPD obtained from the MS/MSD samples.

All MS/MSD RPDs were within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All samples were non-detect for explosives, so no secondary column analysis was required.
- All initial calibration criteria were met for the primary column.
- All second source verification criteria were met for the primary column.
- All calibration verification criteria were met. It should be noted that there were twelve injections between the ICAL and the CCV (ten environmental samples plus an LCS and a method blank). The CSSA QAPP indicates that a CCV must be run after every 10 samples, so the data was considered acceptable and no corrective action was necessary.

There was one method blank associated with the Explosives analyses in this SDG. No target analytes were detected at or above the RL in the method blank.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All Explosives results for the samples in this SDG were considered usable. The completeness for the Explosives portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

ICP METALS

General

The ICP metals portion of this SDG consisted of eight (8) environmental soil samples. The samples were collected on December 20, 2004 and were analyzed for chromium and nickel only. Only the samples from site B2 required analysis for metals.

The ICP metals analyses were performed using USEPA SW846 Method 6010B. The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the %R obtained from the LCS/LCSD. No sample was designated for MS/MSD analysis on the COC.

All LCS/LCSD recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples.

All LCS/LCSD RPDs were within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All initial and continuing calibration verification criteria were met.
- All second source calibration criteria were met. The ICV was prepared using a secondary source.
- All interference check criteria were met.
- The initial calibration was analyzed using multiple points and the low point was below the RL for chromium and nickel, so no RL check standard was necessary.
- A dilution test was analyzed on sample B2-SS08. Both chromium and nickel met criteria.
- No post digestion spike was required, as per the CSSA QAPP.

One method blank and several calibration blanks were analyzed in association with the ICP analyses in this SDG. All blanks were free of target metals at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All ICP metals results for the samples in this SDG were considered usable. The completeness for the ICP metals portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

CADMIUM

General

The cadmium portion of this SDG consisted of eight (8) environmental soil samples. The samples were collected on December 20, 2004 and were analyzed for cadmium using USEPA SW846 Method 7421. Only the samples from site B2 required analysis for cadmium.

The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. The samples were prepared and analyzed within the holding time required by the method.

It should be noted that four of the eight samples required dilutions due to the high concentration of cadmium present.

Accuracy

Accuracy was evaluated using the %R obtained from the LCS/LCSD samples. No sample was designated for MS/MSD analysis on the COC.

Both LCS/LCSD recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples.

The LCS/LCSD RPD was within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All initial and continuing calibration verification criteria were met.
- All second source calibration criteria were met. The ICV was prepared using a secondary source.
- A dilution test (DT) was analyzed on sample B2-SS04. The DT failed to meet criteria as follows:

Sample ID	Metal	%D	Criteria
B2-SS04	Cadmium	17.7	%D ≤ 10

No MS/MSD was analyzed for cadmium, so all sample results were flagged “M” in accordance with the CSSA QAPP.

- No PDS was required, as per the CSSA QAPP.

One method blank and several calibration blanks were analyzed in association with the cadmium analyses in this SDG. All blanks were free of cadmium at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All cadmium results for the samples in this SDG were considered usable. The completeness for the cadmium portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

LEAD

General

The lead portion of this SDG consisted of eight (8) environmental soil samples. The samples were collected on December 20, 2004 and were analyzed for lead using USEPA SW846 Method 7421. Only the samples from site B2 required analysis for lead.

The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. The samples were prepared and analyzed within the holding time required by the method.

It should be noted that all of the samples required a dilution due to the high levels of lead present.

Accuracy

Accuracy was evaluated using the %R obtained from the LCS/LCSD samples. No sample was designated for MS/MSD analysis on the COC.

Both LCS/LCSD recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples.

The LCS/LCSD RPD was within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration (ICAL) criteria were met. There were two ICALs associated with the data. All samples were analyzed under the first ICAL. However, due to analyst error, the dilution test was not analyzed until several days later. The second ICAL was associated with the dilution test only.
- All initial and continuing calibration verification criteria were met for the diluted analyses. The laboratory performed the diluted analyses for all samples first, and then reanalyzed the samples undiluted in accordance with the CSSA QAPP. Because the samples contained such high levels of lead, the calibration verification sample analyzed after the undiluted runs exceeded criteria due to carry-over. The undiluted analyses were not used as all lead concentrations exceeded the linear range of the instrument. Therefore, no corrective action was necessary.
- All second source calibration criteria were met for both ICALs. The ICV samples were prepared using a secondary source.
- The dilution test was analyzed on sample B2-SS01. It should be noted that the DT was performed several days after the original sample analysis due to analyst error. The DT was assessed using the 20x dilution and 100x dilution for sample B2-SS01. The DT failed to meet criteria as follows:

Metal	%D	Criteria
Lead	18.3	%D ≤ 10

No MS/MSD was analyzed in this batch so all sample results for lead were flagged “M” in accordance with the CSSA QAPP.

- No PDS was required, as per the CSSA QAPP.

One method blank and several calibration blanks were analyzed in association with the lead analyses in this SDG. All blanks were free of lead at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All lead results for the samples in this SDG were considered usable. The completeness for the lead portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

TO19 DATA VERIFICATION SUMMARY REPORT
for samples collected from
CAMP STANLEY STORAGE ACTIVITY
BOERNE, TEXAS

Data Verification by: Katherine LaPierre and Tammy Chang
Parsons - Austin

INTRODUCTION

The following data verification summary report covers soil samples collected from Camp Stanley Storage Activity (CSSA) under Task Order 0019 on February 2, 2005. The samples in the following Sample Delivery Group (SDG) were analyzed for metals:

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The field quality control (QC) samples collected in association with this SDG included two field duplicates and two matrix spike/matrix spike duplicate (MS/MSD) pairs. No ambient blanks were collected. During the initiation of this project, it was determined that ambient blanks were not necessary due to the absence of a source at these sites. The QC samples were analyzed for the same parameters as the associated parent sample.

All samples were collected by Parsons. All analyses were performed by APPL Inc. following the procedures outlined in the Statement of Work and CSSA QAPP, version 1.0. The cooler associated with this SDG was received by APPL at a temperature of 3.5°C which is within the 2-6°C range recommended by the QAPP.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the CSSA QAPP, version 1.0. Information reviewed in the data packages included sample results; field and laboratory quality control results; calibrations; case narratives; raw data; cooler receipt form and chain-of-custody (COC) forms. The analyses and findings presented in this report are based on the reviewed information, and whether guidelines in the CSSA QAPP, version 1.0, were met.

ICP METALS

General

The ICP metals portion of this SDG consisted of eighteen (18) samples, including thirteen (13) environmental soil samples, two MS/MSD pair, and one field duplicate. The samples were collected on February 2, 2005 and were analyzed for barium, chromium, copper, nickel and zinc. The samples from site B2 did not require analysis for ICP metals.

The ICP metals analyses were performed using USEPA SW846 Method 6010B. The samples in this SDG were analyzed following the procedures outlined in the CSSA

QAPP. All samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the laboratory control spike (LCS) and laboratory control spike duplicate (LCSD) samples, and the MS/MSD samples. Samples AOC46-SS05 and AOC53-SW11 were both designated for MS/MSD analysis on the COC.

All LCS/LCSD recoveries were within acceptance criteria.

All MS/MSD recoveries were within acceptance criteria, with the following exceptions:

Parent Sample	Metal	MS %R	MSD %R	Criteria
AOC46-SS05	Barium	68.8	69.3	75-125
	Copper	62.9	57.6	75-125
	Nickel	(75.9)	74.3	75-125
	Zinc	69.0	63.9	75-125
AOC53-SW11	Barium	8.7	-20.0	75-125
	Nickel	73.1	70.4	75-125
	Zinc	48.9	31.4	75-125

() indicates the recovery met criteria.

All sample results for barium, copper, nickel and zinc were flagged “M” due to the low bias demonstrated by the MS/MSD samples.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples, the MS/MSD samples, and the field duplicate analyte results. Sample AOC53-BOT03 was collected in duplicate and the second jar from this location was submitted and analyzed as a field duplicate (FD).

All LCS/LCSD and MS/MSD RPDs were within acceptance criteria.

The field duplicate RPD was not applicable for chromium since both the parent sample and the field duplicate sample concentrations for chromium were below the RL. The field duplicate RPDs for all other target metals were within acceptance criteria as follows:

Metal	Parent Conc. (mg/kg)	FD Conc. (mg/kg)	RPD	Criteria
Barium	36.36	37.14	2.1	RPD ≤ 20
Copper	11.91	11.02	7.8	
Nickel	5.93	6.68	11.9	
Zinc	28.43	27.02	5.1	

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All initial and continuing calibration verification criteria were met.
- All second source calibration criteria were met. The ICV was prepared using a secondary source.
- All interference check criteria were met.
- The initial calibration was analyzed using multiple points and the low point was below the RL for all metals, so no RL check standard was necessary.
- A dilution test (DT) was analyzed on sample AOC46-SS05. The dilution test was not applicable for nickel because the parent sample concentration for this metal was less than 50 times the MDL. The DT met criteria for chromium and copper, but both barium and zinc failed as follows:

Sample ID	Metal	%D	Criteria
AOC46-SS05	Barium	11.4	%D ≤ 10
	Chromium	3.5	
	Copper	6.5	
	Zinc	11.3	

No corrective action was necessary since all barium and zinc results were previously flagged “M” due to the failing MS/MSD recoveries.

- No post digestion spike was required, as per the CSSA QAPP.

One method blank and several calibration blanks were analyzed in association with the ICP analyses in this SDG. All blanks were free of target metals at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All ICP metals results for the samples in this SDG were considered usable. The completeness for the ICP metals portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

ARSENIC

General

The arsenic portion of this SDG consisted of eighteen (18) samples, including thirteen (13) environmental soil samples, two MS/MSD pair, and one field duplicate. The samples were collected on February 2, 2005 and were analyzed for arsenic using USEPA SW846 Method 7060A. The samples from site B2 did not require analysis for arsenic.

The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. The samples were prepared and analyzed within the holding time required by the method.

The samples in this SDG were digested in two different batches and analyzed in a single batch under one initial calibration.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD samples, and the MS/MSD samples. Samples AOC46-SS05 and AOC53-SW11 were both designated for MS/MSD analysis on the COC.

Two sets of LCS/LCSD samples were analyzed for arsenic, one LCS/LCSD pair for each digestion batch. All LCS/LCSD recoveries were within acceptance criteria.

All MS/MSD recoveries were within acceptance criteria, with the following exception:

Parent Sample	Metal	MS %R	MSD %R	Criteria
AOC53-SW11	Arsenic	(90.0)	70.8	74-120%

() indicates the recovery met criteria.

Since two MS/MSD pair were analyzed and three of the four spikes met criteria, it is the professional opinion of the data verifier that the results do not illustrate a matrix effect was present and thus "M" flagging the data was not warranted. Discussions were held with Dr. Joe Fernando and Mr. Willie Sekula, both of Portage Environmental, Inc., and they agreed that because the failing MSD showed only a marginal exceedance and all other spike recoveries for arsenic were well within the acceptance criteria, no "M" flags should be applied.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples, the MS/MSD samples, and the field duplicate analyte results. Sample AOC53-BOT03 was collected in duplicate and the second jar from this location was submitted and analyzed as a field duplicate (FD).

All LCS/LCSD and MS/MSD RPDs were within acceptance criteria.

The field duplicate RPD was within acceptance criteria as follows:

Metal	Parent Conc. (mg/kg)	FD Conc. (mg/kg)	RPD	Criteria
Arsenic	4.38	3.95	10.3	RPD ≤ 25

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP within the holding time required by the method.

- There was one four-point initial calibration established for arsenic. All initial calibration criteria were met.
- All initial and continuing calibration verification criteria were met.
- All second source calibration criteria were met. The ICV sample was prepared using a secondary source.
- A dilution test (DT) was performed on samples AOC46-SS05 and on sample AOC53-SW11. Arsenic failed to meet criteria in both dilution tests as follows:

Sample ID	Metal	%D	Criteria
AOC46-SS05	Arsenic	12.1	%D ≤ 10
AOC53-SW11	Arsenic	12.9	%D ≤ 10

All arsenic results were flagged “J” due to the failing dilution test results.

- No PDS was required as per the CSSA QAPP.

Two method blanks and several calibration blanks were analyzed in association with the arsenic analyses in this SDG. All blanks were free of arsenic at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All arsenic result for the samples in this SDG was considered usable. The completeness for the arsenic portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

CADMIUM

General

The cadmium portion of this SDG consisted of eighteen (18) samples, including thirteen (13) environmental soil samples, two MS/MSD pair, and one field duplicate. The samples were collected on February 2, 2005 and were analyzed for cadmium using USEPA SW846 Method 7421. The samples from site B2 did not require analysis for cadmium.

The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. The samples were prepared and analyzed within the holding time required by the method.

The samples in this SDG were digested in two different batches and analyzed in a single batch under one initial calibration.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD samples, and the MS/MSD samples. Samples AOC46-SS05 and AOC53-SW11 were both designated for MS/MSD analysis on the COC.

Two sets of LCS/LCSD samples were analyzed for cadmium, one LCS/LCSD pair for each digestion batch. All LCS/LCSD recoveries were within acceptance criteria.

All MS/MSD recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples, the MS/MSD samples, and the field duplicate analyte results. Sample AOC53-BOT03 was collected in duplicate and the second jar from this location was submitted and analyzed as a field duplicate (FD).

All LCS/LCSD and MS/MSD RPDs were within acceptance criteria.

The field duplicate RPD was within acceptance criteria as follows:

Metal	Parent Conc. (mg/kg)	FD Conc. (mg/kg)	RPD	Criteria
Cadmium	0.26	0.23	12.2	RPD \leq 25

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All initial and continuing calibration verification criteria were met.
- All second source calibration criteria were met. The ICV was prepared using a secondary source.
- A dilution test (DT) was not required since all sample results were less than 25 times the MDL in the raw data. It should be noted that several samples had concentrations above 25 times the MDL after the calculation was performed to take the percent moisture into account. However, the bench analyst did not have the percent moisture data and thus, no DT was analyzed.
- No PDS was required, as per the CSSA QAPP.

Two method blanks and several calibration blanks were analyzed in association with the cadmium analyses in this SDG. All blanks were free of cadmium at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All cadmium results for the samples in this SDG were considered usable. The completeness for the cadmium portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

LEAD

General

The lead portion of this SDG consisted of twenty-five (25) samples, including nineteen (19) environmental soil samples, two MS/MSD pair, and two field duplicates. The samples were collected on February 2, 2005 and were analyzed for lead using USEPA SW846 Method 7421. The samples from site B2 required analysis for lead only.

The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. The samples were prepared and analyzed within the holding time required by the method.

It should be noted that all of the samples required a dilution due to the high levels of lead present. The samples in this SDG were digested in two different batches and analyzed in a two batches under two different initial calibrations.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD samples, and the MS/MSD samples. Samples AOC46-SS05 and AOC53-SW11 were both designated for MS/MSD analysis on the COC.

Two sets of LCS/LCSD samples were analyzed for cadmium, one LCS/LCSD pair for each digestion batch. All LCS/LCSD recoveries were within acceptance criteria.

All MS/MSD recoveries failed to meet acceptance criteria due to the high concentration of lead present in the parent sample. The amount of lead in the parent

sample was greater than ten times the concentration spiked in the MS/MSD samples. All lead results were flagged “M” due to the non-compliant MS/MSD recoveries.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples, the MS/MSD samples, and the field duplicate analyte results. Samples AOC53-BOT03 and B2-SS12 were collected in duplicate. The second jar from each of these locations was submitted and analyzed as a field duplicate (FD).

All LCS/LCSD RPDs were within acceptance criteria.

The RPD for the MS/MSD analyzed on sample AOC46-SS05 was within acceptance criteria. However, the RPD for the MS/MSD analyzed on sample AOC53-SW11 exceeded the acceptance criteria ($RPD \leq 25$) at 25.6. All lead results were previously flagged “M” due to the anomalous MS/MSD recoveries, so no corrective action was necessary.

All field duplicate RPDs were within acceptance criteria as follows:

Parent Sample	Metal	Parent Conc. (mg/kg)	FD Conc. (mg/kg)	RPD	Criteria
AOC53-BOT03	Lead	31.83	34.40	7.8	$RPD \leq 25$
B2-SS12	Lead	141.83	139.02	2.0	$RPD \leq 25$

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration (ICAL) criteria were met. There were two ICALs associated with the data. Both ICALs met all criteria.
- All initial and continuing calibration verification criteria were met.
- All second source calibration criteria were met for both ICALs. The ICV samples were prepared using a secondary source.
- A dilution test was analyzed on samples AOC46-SS05 and AOC53-SW11. The DT analyzed on sample AOC46-SS05 was assessed using the 25x dilution and the 125x dilution. The DT analyzed on sample AOC53-SW11 was assessed using the 50x dilution and the 250x dilution. Both dilution tests met criteria as follows:

Parent Sample	Metal	%D	Criteria
AOC46-SS05	Lead	0.9	%D ≤ 10
AOC53-SW11	Lead	5.3	%D ≤ 10

- No PDS was required, as per the CSSA QAPP.

Two method blanks and several calibration blanks were analyzed in association with the lead analyses in this SDG. All blanks were free of lead at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All lead results for the samples in this SDG were considered usable. The completeness for the lead portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

MERCURY

General

The mercury portion of this SDG consisted of eighteen (18) samples, including thirteen environmental soil samples, two MS/MSD pair, and one field duplicate. The samples were collected on February 2, 2005 and were analyzed for mercury using USEPA SW846 Method 7471A. The samples from site B2 did not require analysis for mercury.

The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. The samples were prepared and analyzed within the holding time required by the method.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD samples, and the MS/MSD samples. Samples AOC46-SS05 and AOC53-SW11 were both designated for MS/MSD analysis on the COC.

All LCS/LCSD and MS/MSD recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples, the MS/MSD samples. The field duplicate analyte results were also reviewed for precision. Sample AOC53-BOT03 was collected in duplicate and the second jar from this location was submitted and analyzed as a field duplicate (FD).

All LCS/LCSD and MS/MSD RPDs were within acceptance criteria.

Both the parent and field duplicate results were non-detect for mercury, so the RPD calculation was not applicable.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. The samples were prepared and analyzed within the holding times required by the method.

- All initial calibration criteria were met.
- All calibration verification criteria were met.
- All second source verification criteria were met. The ICV was prepared using a secondary source.

One method blank and several calibration blanks were analyzed in association with the mercury analyses in this SDG. All blanks were free of mercury at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

The mercury results for all samples in this SDG were considered usable. The completeness for the mercury portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

TO19 DATA VERIFICATION SUMMARY REPORT
for samples collected from
CAMP STANLEY STORAGE ACTIVITY
BOERNE, TEXAS

Data Verification by: Katherine LaPierre and Tammy Chang
Parsons - Austin

INTRODUCTION

The following data verification summary report covers soil samples collected from Camp Stanley Storage Activity (CSSA) under Task Order 0019 on May 31, 2005. The samples in the following Sample Delivery Group (SDG) were analyzed for lead only:

47635

The field quality control (QC) samples collected in association with this SDG included two field duplicates and one matrix spike/matrix spike duplicate (MS/MSD) pair. The field QC samples were analyzed for the same parameters as the associated parent samples.

All samples were collected by Parsons. All analyses were performed by APPL Inc. following the procedures outlined in the Statement of Work and CSSA QAPP, version 1.0. The cooler associated with this SDG was received by APPL at a temperature of 4.0°C which is within the 2-6°C range recommended by the QAPP.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the CSSA QAPP, version 1.0. Information reviewed in the data packages included sample results; field and laboratory quality control results; calibrations; case narratives; raw data; cooler receipt form and chain-of-custody (COC) forms. The analyses and findings presented in this report are based on the reviewed information, and whether guidelines in the CSSA QAPP, version 1.0, were met.

LEAD

General

This SDG consisted of eighteen (18) samples, including fourteen (14) environmental soil samples, one MS/MSD pair and two field duplicates. The samples were collected on May 31, 2005 and were analyzed for lead only.

The lead analyses were performed using USEPA SW846 Method 7421. The samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

The lead analyses were performed in two analytical batches under two separate ICALs.

It should be noted that all samples required dilution due to the high levels of lead present.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the LCS/LCSD and MS/MSD samples. Sample B8-SS38 was designated for MS/MSD analysis on the COC.

The LCS/LCSD recoveries were within acceptance criteria.

The MS/MSD recoveries failed to meet acceptance criteria as follows:

Analyte	MS %R	MSD %R	Criteria
Lead	1523	2928	74-124%

The anomalous recoveries were due to the low spike amount relative to the native parent sample concentration. Lead was present in the parent sample at a concentration greater than 10 times the amount spiked. All lead results were flagged “M” due to the non-compliant MS/MSD recoveries.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD samples, the MS/MSD samples, and the field duplicate analyte results. Samples B2-SS20 and B8-SS33 were collected in duplicate. The second container for each of these sites was submitted and analyzed as a field duplicate (FD).

The LCS/LCSD RPD was within acceptance criteria.

The MS/MSD RPD failed to meet criteria the criteria ($RPD \leq 25$) at 38.8%. All associated sample results were already flagged “M” due to the failing MS/MSD recoveries, so no corrective action was necessary.

The field duplicate RPDs met criteria as follows:

Parent Sample	Parent Result (mg/kg)	Duplicate Result (mg/kg)	RPD	Criteria
B2-SS20	206.89	253.33	20.2	RPD \leq 25
B8-SS33	108.08	94.24	13.7	

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

- All initial calibration criteria were met.
- All initial calibration verification criteria were met.
- All second source calibration criteria were met. The ICV samples were prepared using a secondary source.
- All continuing calibration verification criteria were met.
- A dilution test (DT) was analyzed on sample B8-SS38. The DT was evaluated using the 20x dilution and the 100x dilution of this sample. The DT met criteria ($\%D \pm 10$) for lead with a percent difference of 1.9.
- No PDS was required as per the CSSA QAPP.

One method blank and several calibration blanks were analyzed in association with the lead analyses in this SDG. All blanks were free of lead at or above the RL, with one exception. The final CCB analyzed in the batch run on 6/13/05 contained lead above the RL (0.5 mg/kg) at 2.08 mg/kg. This CCB was run after the undiluted analyses of the samples and the lead was due to carry-over from the high concentration of lead in the samples. The samples bracketed by this CCB all had concentrations of lead that exceeded the upper limit of the ICAL range and thus were flagged "R". All CCBs bracketing the diluted analyses met criteria, so data quality was not affected and no corrective action was necessary.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All lead results for the samples in this SDG were considered usable. The completeness for the lead portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

DY01 DATA VERIFICATION SUMMARY REPORT

for samples collected from CAMP STANLEY STORAGE ACTIVITY

BOERNE, TEXAS

Data Verification by: Katherine LaPierre
Parsons - Austin

INTRODUCTION

The following data verification summary report covers soil samples and the associated field quality control (QC) samples collected from Camp Stanley Storage Activity (CSSA) under DY01 on March 4, 2008. The samples in the following Sample Delivery Group (SDG) were analyzed for lead only:

55982

No field QC samples were collected in association with this SDG.

All samples were collected by Parsons and analyzed by Agriculture & Priority Pollutants Laboratories, Inc. (APPL) in Fresno, California, following the procedures outlined in the Statement of Work and CSSA QAPP, Version 1.0.

The samples in this SDG were shipped to the laboratory in two coolers. Both coolers were received by the laboratory at a temperature of 2.0⁰ C which was within the 2-6⁰ C range recommended by the CSSA QAPP.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the CSSA QAPP, Version 1.0. Information reviewed in the data packages included sample results; field and laboratory quality control results; calibrations; case narratives; raw data; COC forms and the cooler receipt checklist. The analyses and findings presented in this report are based on the reviewed information, and whether guidelines in the CSSA QAPP, Version 1.0, were met.

ICP/MS METALS

General

The ICP/MS metals portion of this SDG consisted of five (5) soil samples. The samples were collected on March 4, 2008 and were analyzed for lead only.

The ICP/MS metals analyses were performed using USEPA SW846 Method 6020. All samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

The ICP/MS metals samples were digested and analyzed in one batch under a single ICAL.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the LCS/LCSD and MS/MSD samples. No sample was designated for MS/MSD analysis on the COC for lead. However, the laboratory analyzed an MS/MSD pair on sample B2-SS16.

All LCS/LCSD and MS/MSD recoveries were within acceptance criteria.

Precision

Precision was evaluated using the RPD obtained from the LCS/LCSD and MS/MSD concentrations.

All LCS/LCSD and MS/MSD RPDs were within acceptance criteria.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding times required by the method.

- All instrument tune criteria were met.
- All initial calibration criteria were met.
- All calibration verification criteria were met.
- All second source verification criteria were met. The ICV was prepared using a secondary source.
- All interference check criteria were met.
- All internal standard criteria were met.
- A dilution test (DT) was analyzed on sample B2-SS16. The DT met criteria for lead, as follows:

Metal	%D	Criteria
Lead	3.7	%D ≤ 10

- A post digestion spike (PDS) was analyzed on the same sample as the DT. Lead met criteria in the PDS, as follows:

Metal	%R	Criteria
Lead	81	75-125%

There was one method blank and several calibration blanks associated with the ICP/MS analyses in this SDG. All blanks were free of lead at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All ICP/MS results for the samples in this SDG were considered usable. The completeness for the ICP/MS portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

DATA VERIFICATION SUMMARY REPORT

for samples collected from CAMP STANLEY STORAGE ACTIVITY

BOERNE, TEXAS

Data Verification by: Tammy Chang
Parsons - Austin

INTRODUCTION

The following data verification summary report covers soil samples and the associated field quality control (QC) samples collected from Camp Stanley Storage Activity (CSSA) under BRAC 50 on December 6, 2010. The samples in the following Sample Delivery Group (SDG) were analyzed for barium, copper and zinc:

63374

The field QC samples collected in association with this SDG included three field duplicate (FD) samples and two sets of matrix spike/matrix spike duplicate (MS/MSD).

All samples were collected by Parsons and analyzed by Agriculture & Priority Pollutants Laboratories, Inc. (APPL) in Clovis, California, following the procedures outlined in the Statement of Work and CSSA QAPP, Version 1.0.

The samples in this SDG were shipped to the laboratory in one cooler. This cooler was received by the laboratory at a temperature of 2.5° C which was within the 2-6° C range recommended by the CSSA QAPP.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and verified following the guidelines outlined in the CSSA QAPP, Version 1.0. Information reviewed in the data packages included sample results; field and laboratory quality control results; calibrations; case narratives; raw data; COC forms and the cooler receipt checklist. The analyses and findings presented in this report are based on the reviewed information, and whether guidelines in the CSSA QAPP, Version 1.0, were met.

ICP METALS

General

The ICP metals portion of this SDG consisted of thirty-three (33) samples, including twenty-six (26) environmental soil samples, three (3) FDs, and two (2) sets of MS/MSD. The samples were collected on December 6, 2010 and were analyzed for lead and zinc. The ICP metals analyses were performed using USEPA SW846 Method 6010B. All samples in this SDG were analyzed following the procedures outlined in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method.

The ICP metals samples were digested three batches,.

Accuracy

Accuracy was evaluated using the percent recovery obtained from the three laboratory control samples (LCS). Samples B28-SS37 and B28-SS47 were designated for MS/MSD analysis on the COC for this SDG.

All LCS recoveries were within acceptance criteria in all three batches.

For the MS/MSD analyses:

B28-SS37

Metals	MS, %R	MSD, %R	Control Limits, %R
Lead	179	65	
Zinc	(85)	12	75 - 125

() indicates the %R was compliant.

Parent sample results were flagged with “M”.

B28-SS47

Metals	MS, %R	MSD, %R	Control Limits, %R
Lead	40	58	
Zinc	(78)	56	75- 125

() indicates the %R was compliant.

Parent sample results were flagged with “M”.

Precision

Precision was evaluated using the RPD obtained from the MS/MSD concentrations. Precision was further evaluated by comparing the field duplicate analyte results. Two sets of samples were collected from B28-SS30, B28-SS38, and B28-SS46. The second set of samples from each location was submitted to the laboratory as a field duplicate.

Both MS/MSD RPDs for B2-SS47 were within acceptance criteria.

B28-SS37

Metals	%RPD	Control Limits, %RPD
Lead	71	
Zinc	25	20

“J” flags were applied to both results of the parent sample.

All target metals detected above the RL in both the parent and field duplicate are listed below:

B28-SS30

Metal	Parent Conc. (mg/kg)	FD Conc. (mg/kg)	RPD	Criteria
Lead	118	95	22	RPD ≤ 20
Zinc	31	25	21	

No corrective action was deemed necessary for both metals since the RPDs were only one and two percent high and a significant effect on data quality was not demonstrated.

B28-SS38

Metal	Parent Conc. (mg/kg)	FD Conc. (mg/kg)	RPD	Criteria
Lead	66	58	13	RPD ≤ 20
Zinc	441	391	12	

B28-SS46

Metal	Parent Conc. (mg/kg)	FD Conc. (mg/kg)	RPD	Criteria
Lead	259	91	96	RPD ≤ 20
Zinc	20	19	5.1	

Only lead results of the parent and FD of this pair were flagged “J” due to the high degree of variability demonstrated by the field duplicate pair.

Since there were three pairs of parent/FD included in this SDG, majority of %RPDs were compliant, it is data validator’s professional opinion that it is not necessary to apply “J” to all samples in this SDG.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding times required by the method.

- All instrument tune criteria were met.
- All initial calibration criteria were met.
- All calibration verification criteria were met.
- All second source verification criteria were met. The ICV was prepared using a secondary source.
- All interference check criteria were met.
- All internal standard criteria were met.
- Dilution test (DT) was analyzed on sample B28-SS37 and B28-SS47. The DT was applicable for all metals detected in the parent sample at a concentration of

50 times the MDL or greater. All applicable metals failed to meet criteria in the DT, as follows:

B28-SS37

Metal	%D	Criteria
Lead	17	%D ≤ 10
Zinc	20	

B28-SS47

Metal	%D	Criteria
Lead	48	%D ≤ 10

- A post digestion spike (PDS) was analyzed on the same samples as the DT. All metals met criteria in the PDS, as follows:

B28-SS37

Metal	%R	Criteria
Lead	84	75-125%
Zinc	78	

B28-SS47

Metal	%R	Criteria
Lead	108	75-125%
Zinc	89	

There were three method blanks and several calibration blanks associated with the ICP analyses in this SDG. All blanks were free of any target metals at or above the RL.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All ICP results for the samples in this SDG were considered usable. The completeness for the ICP portion of this SDG is 100%, which meets the minimum acceptance criteria of 90%.

EXPLOSIVES

General

The explosives portion of this SDG consisted of one (1) soil sample. The sample was collected on December 6, 2010 and were analyzed for the full list of explosives.

The explosives analyses were performed according to the United States Environmental Protection Agency (USEPA) SW846 Method 8330B. This sample was analyzed following the procedures outlined in the SW846 8330B, prepared and analyzed within the holding time required by the method.

The explosives sample was extracted in analytical batch #150030. The sample was analyzed under two initial calibration (ICAL), one for each column.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from the laboratory control spike (LCS) sample and the surrogate spikes.

%Rs of LCS and surrogate were within acceptance criteria.

Precision

Precision could not be evaluated due to the lack of duplicate analyses in this SDG.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the CSSA QAPP;
- Comparing actual analytical procedures to those described in the CSSA QAPP;
- Evaluating holding times; and
- Examining laboratory blank for cross contamination of samples during sample analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the CSSA QAPP. All samples were prepared and analyzed within the holding time required by the method and the Work Plan.

- All initial calibration criteria were met.
- All secondary source verification criteria were met.
- All initial calibration verification (ICV) criteria were met.
- All continuing calibration verification (CCV) criteria were met.
- The MDLs were compliant to the requirements listed in the DoD QSM version 4.1.

There was one method blank involved in the explosives analyses in this SDG. All blank results were compliant.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All explosives results for the sample in this SDG were considered usable. The completeness for the explosives portion of this SDG is 100%, which meets the minimum acceptance criteria of 95%.

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8330 Preparatory Method: 8330 AAB #: 101209A-150030
 Lab Name: APPL, Inc Contract #: W9126G07D00280050
 Field Sample ID: B2-BOT12 Lab Sample ID: AY28290 Matrix: Soil
 % Solids: NA Initial Calibration ID: 101025
 Date Received: 07-Dec-10 Date Prepared: 09-Dec-10 Date Analyzed: 10-Dec-10
 Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,3,5-TNB	0.075	0.25	0.075	1		U
1,3-DNB	0.075	0.25	0.075	1		U
2,4,6-TNT	0.075	0.25	0.075	1		U
2,4-DNT	0.08	0.50	0.08	1		U
2,6-DNT	0.075	0.26	0.075	1		U
HMX	0.08	2.2	0.08	1		U
m-Nitrotoluene	0.08	0.60	0.08	1		U
Methyl-2,4,6-trinitrophenylnitramine	0.075	0.65	0.075	1		U
Nitrobenzene	0.075	0.26	0.075	1		U
o-Nitrotoluene	0.075	0.25	0.075	1		U
p-Nitrotoluene	0.08	0.50	0.08	1		U
RDX	0.08	1.0	0.08	1		U
Surrogate		Recovery	Control Limits	Qualifier		
Surrogate: 1,2-Dinitrobenzene (S)		94.7	65-135			

Comments: These results are preliminary and represent information available on 12/10/10 at
 ARF: 63374 5:52pm

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS22 Lab Sample ID: AY28282 Matrix: Soil
% Solids: 78.2 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	26.42	1	
Zinc (Zn)	0.6	5.0	43.0	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS24 Lab Sample ID: AY28283 Matrix: Soil
% Solids: 81.1 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	60.62	1	
Zinc (Zn)	0.6	5.0	115.2	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS23 Lab Sample ID: AY28284 Matrix: Soil
% Solids: 75.2 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	35.74	1	
Zinc (Zn)	0.6	5.0	81.3	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS25 Lab Sample ID: AY28285 Matrix: Soil
% Solids: 80.0 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	61.35	1	
Zinc (Zn)	0.6	5.0	49.3	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS26 Lab Sample ID: AY28286 Matrix: Soil
% Solids: 79.3 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	45.64	1	
Zinc (Zn)	0.6	5.0	40.0	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS27 Lab Sample ID: AY28287 Matrix: Soil
% Solids: 76.8 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	75.64	1	
Zinc (Zn)	0.6	5.0	39.0	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS28 Lab Sample ID: AY28288 Matrix: Soil
% Solids: 78.6 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	170.23	1	
Zinc (Zn)	0.6	5.0	46.0	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS29 Lab Sample ID: AY28289 Matrix: Soil
% Solids: 84.9 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	48.26	1	
Zinc (Zn)	0.6	5.0	36.5	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS30 Lab Sample ID: AY28291 Matrix: Soil
% Solids: 83.7 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	118.45	1	
Zinc (Zn)	0.6	5.0	31.0	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS30 FD Lab Sample ID: AY28292 Matrix: Soil
% Solids: 84.1 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	94.55	1	
Zinc (Zn)	0.6	5.0	24.9	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS31 Lab Sample ID: AY28293 Matrix: Soil
% Solids: 84.7 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	77.10	1	
Zinc (Zn)	0.6	5.0	23.6	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS32 Lab Sample ID: AY28294 Matrix: Soil
% Solids: 82.3 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	239.98	1	
Zinc (Zn)	0.6	5.0	69.8	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS33 Lab Sample ID: AY28295 Matrix: Soil
% Solids: 75.0 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	207.87	1	
Zinc (Zn)	0.6	5.0	40.5	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS34 Lab Sample ID: AY28296 Matrix: Soil
% Solids: 83.6 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	26.29	1	
Zinc (Zn)	0.6	5.0	33.5	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS35 Lab Sample ID: AY28297 Matrix: Soil
% Solids: 83.0 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	43.71	1	
Zinc (Zn)	0.6	5.0	31.6	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS36 Lab Sample ID: AY28298 Matrix: Soil
% Solids: 89.3 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	63.33	1	
Zinc (Zn)	0.6	5.0	68.5	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208A-149959
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS37 Lab Sample ID: AY28299 Matrix: Soil
% Solids: 89.6 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	18.92	1	M
Zinc (Zn)	0.6	5.0	240.6	1	M

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS38 FD Lab Sample ID: AY28300 Matrix: Soil
% Solids: 84.4 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	58.07	1	
Zinc (Zn)	0.6	5.0	390.9	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS38 Lab Sample ID: AY28301 Matrix: Soil
% Solids: 84.0 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	65.75	1	
Zinc (Zn)	0.6	5.0	440.5	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS39 Lab Sample ID: AY28302 Matrix: Soil
% Solids: 85.7 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	25.55	1	
Zinc (Zn)	0.6	5.0	60.8	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS40 Lab Sample ID: AY28303 Matrix: Soil
% Solids: 84.4 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	29.91	1	
Zinc (Zn)	0.6	5.0	149.6	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS41 Lab Sample ID: AY28304 Matrix: Soil
% Solids: 85.3 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	21.76	1	
Zinc (Zn)	0.6	5.0	47.2	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS42 Lab Sample ID: AY28305 Matrix: Soil
% Solids: 81.3 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	58.01	1	
Zinc (Zn)	0.6	5.0	26.4	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS43 Lab Sample ID: AY28306 Matrix: Soil
% Solids: 84.7 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	29.74	1	
Zinc (Zn)	0.6	5.0	28.0	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS44 Lab Sample ID: AY28307 Matrix: Soil
% Solids: 87.8 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	349.32	1	
Zinc (Zn)	0.6	5.0	21.6	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS45 Lab Sample ID: AY28308 Matrix: Soil
% Solids: 89.2 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	13.68	1	
Zinc (Zn)	0.6	5.0	20.2	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

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INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS46 FD Lab Sample ID: AY28309 Matrix: Soil
% Solids: 90.2 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	104.39	1	
Zinc (Zn)	0.6	5.0	19.1	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS46 Lab Sample ID: AY28310 Matrix: Soil
% Solids: 90.1 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	838.40	1	
Zinc (Zn)	0.6	5.0	19.8	1	

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

AFCEE
INORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 6010B Preparatory Method: 3050B AAB #: 101208B-149960
Lab Name: APPL, Inc Contract #: W9126G07D00280050
Field Sample ID: B2-SS47 Lab Sample ID: AY28311 Matrix: Soil
% Solids: 92.6 Initial Calibration ID: 101208A
Date Received: 07-Dec-10 Date Prepared: 08-Dec-10 Date Analyzed: 08-Dec-10
Concentration Units: mg/kg

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Lead (Pb)	0.18	10.0	28.01	1	M
Zinc (Zn)	0.6	5.0	22.0	1	M

Comments:

ARF: 63374 These results are preliminary and represent information available on 12/10/10 at 8:51am

Appendix 12

Waste Characterization and Disposition Documentation

Appendix 12 includes disposal manifests for waste resulting from the 2003, 2004, and 2008 excavations at SWMU B-2.

63,130

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270

PO # 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	
CITY/ST:	Boerne, TX 78015	CITY/ST:		SAME	
PHONE:	210-698-5208	PHONE:		SAME	
	Attn: Brian K. Murphy				

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

Brian K. Murphy
Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Roberto Q MARTINEZ
TRUCK NUMBER: #319
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/17/03
Driver Signature Shipment Date

[Signature] 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

Dennis Gehrels 12/17/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JUL# 0431 0270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015		SAME		
PHONE:	210-698-5208	CITY/ST:	SAME		
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Brian K. Murphy
Signature

12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Donald A. HAYNES
TRUCK NUMBER: 302
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Donald A. Haynes 12/17/03
Driver Signature Shipment Date

Donald A. Haynes 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Behrel
Name of Authorized Agent (Print)

Dennis Behrel 12/17/03
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
Po # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K Murphy PHONE: SAME

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Brian K. Murphy Signature
12/17/03 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): JOE M
TRUCK NUMBER: 303
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] Driver Signature
12/17/03 Shipment Date

[Signature] Driver Signature
12/17/03 Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Behrels
Name of Authorized Agent (Print)

Dennis Behrels Signature
12/17/03 Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job # 04310270

PO # 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

Brian K. Murphy
 Signature
 12/17/03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Don Van Sjoel
 TRUCK NUMBER: 386
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Don Van Sjoel 12/17/03
 Driver Signature Shipment Date

Don Van Sjoel 12/17/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.
ELOISA HUBER
 Name of Authorized Agent (Print)

[Signature] 12/17/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
 PO # 800 8635



NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

Brian K. Murphy
 Signature
 12/17/03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Ricardo Barron
 TRUCK NUMBER: 315
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Ricardo Barron 12/17/03
 Driver Signature Shipment Date

Ricardo Barron 12/17/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
 Name of Authorized Agent (Print)

Dennis Gehrels 12/17/03
 Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270

PO # 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

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Brian K Murphy
Generator Authorized Agent Name (Print)

Brian K. Murphy
Signature

12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): 3 Manuel Mayen
TRUCK NUMBER: 324
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Manuel Mayen
Driver Signature

12/17/03
Shipment Date

Manuel Mayen
Driver Signature

12/17/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

Dennis Gehrels
Signature

12/17/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JCH 04310270
PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015		SAME		
PHONE:	210-698-5208	CITY/ST:	SAME		
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Brian K. Murphy
Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): *William Zuehlke*
TRUCK NUMBER: 314
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

William Zuehlke 12/17/03
Driver Signature Shipment Date

William Zuehlke 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Coehrs
Name of Authorized Agent (Print)

Dennis Coehrs 12/17/03
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS# 04310270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

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Brian K Murphy
Generator Authorized Agent Name (Print)

Brian K. Murphy
Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Guadalupe Villarreal
TRUCK NUMBER: 307
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Guadalupe Villarreal 12/17/03
Driver Signature Shipment Date

Guadalupe Villarreal 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gebels
Name of Authorized Agent (Print)

Dennis Gebels 12/17/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *Joh # 0431 2270*
 8611 Covel Road
 San Antonio TX 78252 *PO # 8008635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
 ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
 CITY/ST: Boerne, TX 78015 SAME
 PHONE: 210-698-5208 CITY/ST: SAME
 Attn: Brian K Murphy PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

Brian K. Murphy
 Signature 12/17/03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Henry Ros
 TRUCK NUMBER: 317
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Henry Ros
 Driver Signature 12/17/03
 Shipment Date

Henry Ros
 Driver Signature 12/17/03
 Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Behrens
 Name of Authorized Agent (Print)

Dennis Behrens
 Signature 12/17/03
 Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job# 04310270
 PO# 8008635



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
 ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
 CITY/ST: Boerne, TX 78015 SAME
 PHONE: 210-698-5208 CITY/ST: SAME
 Attn: Brian K Murphy PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print) Signature Brian K. Murphy Delivery Date 12/17/03

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking DRIVER NAME(Print): Jonell Bell
 ADDRESS: 11250 S Hwy 16 TRUCK NUMBER: 366#
 CITY/STATE: San Antonio, TX 78224 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Jonell Bell 12/17/03
 Driver Signature Shipment Date Jonell Bell 12/17/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill PHONE NUMBER: 210-623-8800
 ADDRESS: 8611 Covel Road, San Antonio TX 78252 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Jennis Gehrels
 Name of Authorized Agent (Print) Signature J. Gehrels Receipt Date 12/17/03

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JCS# 0431 0270

PO# 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K Murphy PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

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Brian K Murphy
Generator Authorized Agent Name (Print)

Brian K. Murphy
Signature

12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): David AYALA
TRUCK NUMBER: 310
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

David Ayala 12/17/03
Driver Signature Shipment Date

David Ayala 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

Dennis Gehrels 12/17/03
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

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Brian K Murphy
Generator Authorized Agent Name (Print)

Brian K. Murphy
Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Roberto Q Martinez
TRUCK NUMBER: #319
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature]
Driver Signature
12/17/03
Shipment Date

[Signature]
Driver Signature
12/17/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

Dennis Gehrels
Signature
12/17/03
Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill *Job # 0431 0270*
8611 Covel Road
San Antonio TX 78252 *PO # 8008635*
210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K Murphy PHONE: SAME

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Brian K. Murphy
Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Donald D. Hayes
TRUCK NUMBER: 222
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Donald D. Hayes 12/17/03
Driver Signature Shipment Date

Donald D. Hayes 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Coehrels
Name of Authorized Agent (Print)

D. Coehrels 12/17/03
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *Job# 0431 0270*
 8611 Covel Road
 San Antonio TX 78252 *PO# 8008635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
 ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
 CITY/ST: Boerne, TX 78015 SAME
 PHONE: 210-698-5208 CITY/ST: SAME
 Attn: Brian K Murphy PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print) *Brian K Murphy* Signature 12/17/03 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking DRIVER NAME(Print): *Joe M*
 ADDRESS: 11250 S Hwy 16 TRUCK NUMBER: 303
 CITY/STATE: San Antonio, TX 78224 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/17/03 Shipment Date *[Signature]* 12/17/03 Delivery Date
 Driver Signature Driver Signature

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill PHONE NUMBER: 210-623-8800
 ADDRESS: 8611 Covel Road, San Antonio TX 78252 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.
Dennis Gehrels Name of Authorized Agent (Print) *[Signature]* Signature 12/17/03 Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *JOS# 04310270*
 8611 Covel Road
 San Antonio TX 78252 *PO # 8008635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

Brian K. Murphy 12/17/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Manuel Mayer
 TRUCK NUMBER: 324
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Manuel Mayer 12/17/03
 Driver Signature Shipment Date

Manuel Mayer 12/17/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Cole
 Name of Authorized Agent (Print)

Dennis Cole 12/17/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015		SAME		
PHONE:	210-698-5208	CITY/ST:	SAME		
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u>Brian K. Murphy</u>	<u>12/17/03</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>Ricardo Barron</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>315</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u>Ricardo Barron</u>	<u>12/17/03</u>	<u>Ricardo Barron</u>	<u>12/17/03</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Dennis Gehrels</u>	<u>D. Gehrels</u>	<u>12/17/03</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS# 04310270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K Murphy PHONE: SAME

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Brian K. Murphy Signature 12/17/03 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Rafael Vasquez
TRUCK NUMBER: 306
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Dan Vasquez Driver Signature 12/17/03 Shipment Date

Dan Vasquez Driver Signature 12/17/03 Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

Dennis Cole Signature 12/17/03 Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	69026	TNRCC WC#: Exempt
ADDRESS:	25800 Ralph Fair Road	I.D. #:	SWMU B-2
CITY/ST:	Boerne, TX 78015	SITE LOCATION:	SAME
PHONE:	210-698-5208	CITY/ST:	SAME
	Attn: Brian K Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.


Brian K Murphy

Generator Authorized Agent Name (Print)

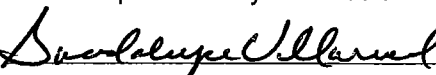
 12/17/03
Signature Delivery Date

TRANSPORTER

Felix Maldonado Trucking
TRANSPORTER 12755 S Hwy 16
ADDRESS: San Antonio, TX 78224
CITY/STATE:


DRIVER NAME(Print): 307
TRUCK NUMBER: 210-628-1605
PHONE #:

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

 12/17/03
Driver Signature Shipment Date

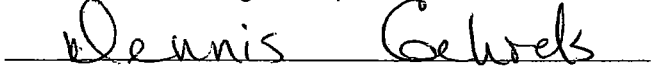
 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

Covel Gardens Landfill
SITE NAME: 8611 Covel Road, San Antonio TX 78252
ADDRESS:

210-623-8800
PHONE NUMBER: H2093
FACILITY I.D. #:

I hereby acknowledge receipt of the above described materials.


Name of Authorized Agent (Print)

 12/17/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill Job # 0431 0270
8611 Covel Road
San Antonio TX 78252 PO # 800 8635
210-623-8800 / 210-623-6791 Fax



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road I.D. #: SWMU B-2
CITY/ST: Dumas TX 79015 SITE LOCATION: SAME
PHONE: 210-698-5208 CITY/ST: SAME
PHONE: SAME
Attn: Brian K. Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

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Brian K. Murphy
Generator Authorized Agent Name (Print)

Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Henry Rios
TRUCK NUMBER: 317
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/17/03
Shipment Date

Driver Signature
12/17/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

Signature
12/17/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons
White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

IOS # 0431 0270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015				SAME
PHONE:	210-698-5208	CITY/ST:			SAME
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

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Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/17/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): William Zehlsdorf
TRUCK NUMBER: 3141
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

William Zehlsdorf 12/17/03
Driver Signature Shipment Date

William Zehlsdorf 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Coehrs
Name of Authorized Agent (Print)

[Signature] 12/17/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *Job # 04310270*
 8611 Covel Road
 San Antonio TX 78252 *PO # 8008635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015		SAME
PHONE: 210-698-5208	CITY/ST: SAME	SAME
<i>Attn: Brian K. Murphy</i>	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
 Generator Authorized Agent Name (Print)

[Signature]
 Signature

12/17/03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Felix Maldonado Trucking**
 ADDRESS: **11250 S Hwy 16**
 CITY/STATE: **San Antonio, TX 78224**

DRIVER NAME(Print): **DAVID AYALA**
 TRUCK NUMBER: **310**
 PHONE #: **210-628-1605**

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

D. Ayala
 Driver Signature

12/17/03
 Shipment Date

David Ayala
 Driver Signature

12/17/03
 Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill**
 ADDRESS: **8611 Covel Road, San Antonio TX 78252**

PHONE NUMBER: **210-623-8800**
 FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

Dennis Behnelt
 Name of Authorized Agent (Print)

D. Behnelt
 Signature

12/17/03
 Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *JOS# 04310270*
 8611 Covel Road
 San Antonio TX 78252 *PO# 8008635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015		SAME
PHONE: 210-698-5208	CITY/ST: SAME	SAME
Attn: Brian K Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

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B Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature]
 Signature 12/17/03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Felix Maldonado Trucking**
 ADDRESS: **11250 S Hwy 16**
 CITY/STATE: **San Antonio, TX 78224**

DRIVER NAME(Print): Roberto O Martinez
 TRUCK NUMBER: IT319
 PHONE #: **210-628-1605**

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/17/03
 Driver Signature Shipment Date

[Signature] 12/17/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill**
 ADDRESS: **8611 Covel Road, San Antonio TX 78252**

PHONE NUMBER: **210-623-8800**
 FACILITY I.D. #: **H2093**

[Signature]
 Name of Authorized Agent (Print)

[Signature] 12/17/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS# 0431 0270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/17/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): DONALD A. HAYNES
TRUCK NUMBER: 322
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/17/03
Driver Signature Shipment Date

[Signature] 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature] 12/17/03
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JS# 0431 0270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015	CITY/ST: SAME	
PHONE: 210-698-5208	PHONE: SAME	
Attn: Brian K Murphy		

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): JOE M
TRUCK NUMBER: 303
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/17/03
Shipment Date

Driver Signature
12/17/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature
12/17/03
Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill *Job # 0431 0270*
 8611 Covel Road
 San Antonio TX 78252 *PO # 800 8635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: **Camp Stanley Storage Activity, US Army** I.D. #: **69026** TNRCC WC#: **Exempt**
 ADDRESS: **25800 Ralph Fair Road** SITE LOCATION: **SWMU B-2**
 CITY/ST: **Boerne, TX 78015** CITY/ST: **SAME**
 PHONE: **210-698-5208** PHONE: **SAME**

Attn: Brian K Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/17/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Felix Maldonado Trucking**
 ADDRESS: **11250 S Hwy 16**
 CITY/STATE: **San Antonio, TX 78224**

DRIVER NAME(Print): Ricardo Barros
 TRUCK NUMBER: 315
 PHONE #: **210-628-1605**

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Ricardo Barros 12/17/03
 Driver Signature Shipment Date

Ricardo Barros 12/17/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill**
 ADDRESS: **8611 Covel Road, San Antonio TX 78252**

PHONE NUMBER: **210-623-8800**
 FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
 Name of Authorized Agent (Print)

[Signature] 12/17/03
 Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015		SAME
PHONE: 210-698-5208	CITY/ST: SAME	
Attn: Brian K Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/17/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Manuel Mayen
TRUCK NUMBER: 324
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Manuel Mayen 12/17/03
Driver Signature Shipment Date

Manuel Mayen 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Behrcks
Name of Authorized Agent (Print)

[Signature] 12/17/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill Jos # 04310270
8611 Covel Road
San Antonio TX 78252 po # 8008635
210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
PHONE: SAME

Attn: Brian K. Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/17/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Daniel Vasquez
TRUCK NUMBER: 306
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Daniel Vasquez 12/17/03
Driver Signature Shipment Date

Daniel Vasquez 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gebels
Name of Authorized Agent (Print)

[Signature] 12/17/03
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS# 0431 0270

po# 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015		SAME
PHONE: 210-698-5208	CITY/ST: SAME	SAME
Attn: Brian K Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/17/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Henry Rios
TRUCK NUMBER: 317
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/12/03
Driver Signature Shipment Date

[Signature] 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

[Signature] 12/17/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

JOS# 04310270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/17/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Guadalupe Villanar
 TRUCK NUMBER: 307
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/17/03
 Driver Signature Shipment Date

[Signature] 12/17/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
 Name of Authorized Agent (Print)

[Signature] 12/17/03
 Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job# 0431 0270
PO# 800 8635



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K. Murphy PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): William Zuehlke
TRUCK NUMBER: 514
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/17/03
Shipment Date

Driver Signature
12/17/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature
12/17/03
Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015	CITY/ST: SAME	
PHONE: 210-698-5208	PHONE: SAME	

Attn: Brian K. Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591,C-7	<u>18</u>	CY

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Brian K. Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/17/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): DAVID AYALA
TRUCK NUMBER: 310
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/17/03
Driver Signature Shipment Date

[Signature] 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature] 12/17/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job# 04310270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015		SAME
PHONE: 210-698-5208	CITY/ST: SAME	SAME
Attn: Brian K. Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

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Brian K. Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/17/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Roberto Q Martinez
 TRUCK NUMBER: # 319
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/17/03
 Driver Signature Shipment Date

[Signature] 12/17/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
 Name of Authorized Agent (Print)

[Signature] 12/17/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job# 0431 0270

PO# 800 8635



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
PHONE: Attn: Brian K. Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

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Brian K. Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/17/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Donald A. Hughes
TRUCK NUMBER: 322
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Donald A. Hughes 12/17/03
Driver Signature Shipment Date

Donald A. Hughes 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

Dennis Gehrels 12/17/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

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Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Jas # 04310270

PO # 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

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Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/17/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): FLO GARZA
TRUCK NUMBER: 301
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

F. Garza 12/17/03
Driver Signature Shipment Date

F. Garza 12/17/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehl
Name of Authorized Agent (Print)

D. Gehl 12/17/03
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *Job # 0431 0270*
 8611 Covel Road
 San Antonio TX 78252 *PO # 800 8635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: **Camp Stanley Storage Activity, US Army** I.D. #: 69026 TNRCC WC#: Exempt
 ADDRESS: **25800 Ralph Fair Road** SITE LOCATION: **SWMU B-2**
 CITY/ST: **Boerne, TX 78015** CITY/ST: **SAME**
 PHONE: **210-698-5208** PHONE: **SAME**
 Attn: **Brian K. Murphy**

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/17/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Felix Maldonado Trucking**
 ADDRESS: **11250 S Hwy 16**
 CITY/STATE: **San Antonio, TX 78224**

DRIVER NAME(Print): Manuel Mayen
 TRUCK NUMBER: 324
 PHONE #: **210-628-1605**

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/17/03
 Driver Signature Shipment Date

[Signature] 12/17/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill**
 ADDRESS: **8611 Covel Road, San Antonio TX 78252**

PHONE NUMBER: **210-623-8800**
 FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
 Name of Authorized Agent (Print)

[Signature] 12/17/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS # 04310270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K Murphy PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Ricardo Barros
TRUCK NUMBER: 315
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/17/03
Shipment Date

Driver Signature
12/17/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature
12/17/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

JOS # 04310270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K. Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/17/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Don Vasquez
 TRUCK NUMBER: 305
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/17/03
 Driver Signature Shipment Date

[Signature] 12/17/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
 Name of Authorized Agent (Print)

[Signature] 12/17/03
 Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOB# 04 31 0220

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015	CITY/ST: SAME	
PHONE: 210-698-5208	PHONE: SAME	
Attn: Brian K Murphy		

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/17/23
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Henry Rios
TRUCK NUMBER: 317
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/17/23
Driver Signature Shipment Date

[Signature] 12/17/23
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature] 12/17/23
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270

PO # 80086 35



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015	CITY/ST: SAME	
PHONE: 210-698-5208	PHONE: SAME	
Attn: Brian K. Murphy		

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Conchita Lopez Villanueva
TRUCK NUMBER: 307
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/17/03
Shipment Date

Driver Signature
12/17/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature
12/17/03
Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
PO # 800 8635



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015	CITY/ST: SAME	
PHONE: 210-698-5208	PHONE: SAME	
Attn: Brian K Murphy		

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/17/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Jowell Bell
 TRUCK NUMBER: 366#
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Jowell Bell 12/17/03
 Driver Signature Shipment Date

Jowell Bell 12/17/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gebrek
 Name of Authorized Agent (Print)

[Signature] 12/17/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
PHONE: SAME
Attn: Brian K. Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Roberto Q. Martinez
TRUCK NUMBER: #32
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/17/03
Shipment Date

Driver Signature
12/17/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

Signature
12/17/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

JS# 0431 0270

po# 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015	CITY/ST: SAME	
PHONE: 210-698-5208	PHONE: SAME	
Attn: Brian K Murphy		

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature]
 Signature

12/17/03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Donald A. Haynes
 TRUCK NUMBER: 320
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Donald A. Haynes 12/17/03
 Driver Signature Shipment Date

Donald A. Haynes 12/17/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
 Name of Authorized Agent (Print)

[Signature] 12/17/03
 Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS # 04310270

PO # 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015	CITY/ST: SAME	
PHONE: 210-698-5208	PHONE: SAME	

Attn: Brian K Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Manuel Mayen
TRUCK NUMBER: 324
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/17/03
Shipment Date

Driver Signature
12/17/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature
12/18/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

OK 345

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Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Jas # 0431 0270

po # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K Murphy PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature]
Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Flo Garza
TRUCK NUMBER: 301
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature]
Driver Signature
12/17/03
Shipment Date

[Signature]
Driver Signature
12/17/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature]
Signature
12/17/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *Jas# 0431 0270*
 8611 Covel Road
 San Antonio TX 78252 *PO# 800 8635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: **Camp Stanley Storage Activity, US Army** I.D. #: 69026 TNRCC WC#: Exempt
 ADDRESS: **25800 Ralph Fair Road** SITE LOCATION: **SWMU B-2**
 CITY/ST: **Boerne, TX 78015** SAME
 PHONE: **210-698-5208** CITY/ST: **SAME**
 PHONE: **Att: Brian K. Murphy**

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/17/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Felix Maldonado Trucking**
 ADDRESS: **11250 S Hwy 16**
 CITY/STATE: **San Antonio, TX 78224**

DRIVER NAME(Print): Ricardo Barron
 TRUCK NUMBER: 315
 PHONE #: **210-628-1605**

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Ricardo Barron 12/17/03
 Driver Signature Shipment Date

Ricardo Barron 12/17/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill**
 ADDRESS: **8611 Covel Road, San Antonio TX 78252**

PHONE NUMBER: **210-623-8800**
 FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
 Name of Authorized Agent (Print)

[Signature] 12/17/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

04310270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015	CITY/ST: SAME	
PHONE: 210-698-5208	PHONE: SAME	
Attn: Brian K Murphy		

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature]
Signature
12/17/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Dan Unzueta
TRUCK NUMBER: 366
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature]
Driver Signature
12/17/03
Shipment Date

[Signature]
Driver Signature
12/17/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

[Signature]
Signature
12/17/03
Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS# 04310270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K. Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

[Signature]
Signature
12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Roberto O MARTINEZ
TRUCK NUMBER: #319
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature]
Driver Signature
12/17/03
Shipment Date

[Signature]
Driver Signature
12/17/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature]
Signature
12/18/03
Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *Jes # 04310270*
 8611 Covel Road
 San Antonio TX 78252 *po # 8008635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015		SAME
PHONE: 210-698-5208	CITY/ST: SAME	SAME
Attn: Brian K Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature]
 Signature 12/18/03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Felix Maldonado Trucking**
 ADDRESS: **11250 S Hwy 16**
 CITY/STATE: **San Antonio, TX 78224**

DRIVER NAME(Print): Desole A. Hayes
 TRUCK NUMBER: 322
 PHONE #: **210-628-1605**

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Donald A. Hayes 12/18/03
 Driver Signature Shipment Date

Donald A. Hayes 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill**
 ADDRESS: **8611 Covel Road, San Antonio TX 78252**

PHONE NUMBER: **210-623-8800**
 FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.
[Signature]
 Name of Authorized Agent (Print)

[Signature] 12/18/03
 Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

JOS # 0431 0270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K. Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/18/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Daniel Viegke
 TRUCK NUMBER: 306
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
 Driver Signature Shipment Date

[Signature] 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
 Name of Authorized Agent (Print)

[Signature] 12/18/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job # 04310270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature]
 Signature

12/18/03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Cecilia Lopez Villanar
 TRUCK NUMBER: 307
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
 Driver Signature Shipment Date

[Signature] 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.
[Signature]
 Name of Authorized Agent (Print)

[Signature]
 Signature

12/18/03
 Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job # 04310270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K. Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
 Generator Authorized Agent Name (Print)

[Signature]
 Signature

12/18/03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): William Ferry
 TRUCK NUMBER: 326
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
 Driver Signature Shipment Date

[Signature] 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
 Name of Authorized Agent (Print)

[Signature] 12/18/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job# 04310270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

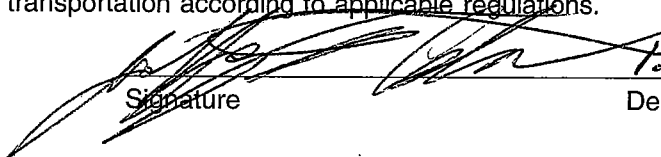
GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015	CITY/ST: SAME	
PHONE: 210-698-5208	PHONE: SAME	
Att: Brian K Murphy		

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

 Signature

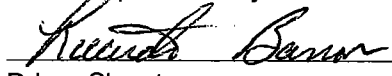
12/18/03 Delivery Date


TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Ricardo Barron
TRUCK NUMBER: 315
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

 Driver Signature
12/18/03 Shipment Date

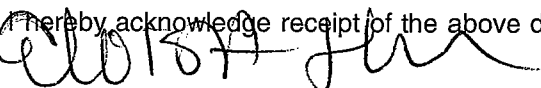
 Driver Signature
12/18/03 Delivery Date

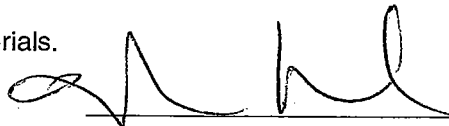
DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

 Name of Authorized Agent (Print)

 Signature
12/18/03 Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Jos # 0431 0270

po # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015	CITY/ST: SAME	
PHONE: 210-698-5208	PHONE: SAME	

Attn: Brian K. Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

[Signature]
Signature

12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): William Zuchel
TRUCK NUMBER: 314
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature]
Driver Signature

12/18/03
Shipment Date

[Signature]
Driver Signature

12/18/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature]
Signature

12/18/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *Jas # 0431 0270*
8611 Covel Road
San Antonio TX 78252 *PO # 8008635*
210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K Murphy PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591,C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/18/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Henry Ros
TRUCK NUMBER: 317
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
Driver Signature Shipment Date

[Signature] 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature] 12/18/03
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

JOS# 04310270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015		SAME
PHONE: 210-698-5208	CITY/ST: SAME	SAME
Attn: Brian K Murphy		
	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature]
 Signature

12/18/03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Felix Maldonado Trucking**
 ADDRESS: **11250 S Hwy 16**
 CITY/STATE: **San Antonio, TX 78224**

DRIVER NAME(Print): JOE M
 TRUCK NUMBER: 303
 PHONE #: **210-628-1605**

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
 Driver Signature Shipment Date

[Signature] 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill**
 ADDRESS: **8611 Covel Road, San Antonio TX 78252**

PHONE NUMBER: **210-623-8800**
 FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

[Signature]
 Name of Authorized Agent (Print)

[Signature] 12/18/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JCS # 0431 0270

PO # 8008635



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K Murphy PHONE: SAME

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Signature
12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): David AYALA
TRUCK NUMBER: 310
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/18/03
Shipment Date

Driver Signature
12/18/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature
12/18/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS # 04310270

PO# 8008635



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
PHONE: SAME
Attn: Brian K. Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/18/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Manuel Mayen
TRUCK NUMBER: 324
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
Driver Signature Shipment Date

[Signature] 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature] 12/18/03
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS# 04310270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

[Signature] 12/18/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): JOE BARRIENTES
TRUCK NUMBER: 313
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature]
Driver Signature

12/18/03
Shipment Date

[Signature]
Driver Signature

12/18/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature]
Signature

12/18/03
Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS# 0431 0270

pa# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K. Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/18/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Jowell Bell
TRUCK NUMBER: 3664
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Jowell Bell 12/18/03
Driver Signature Shipment Date

Jowell Bell 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature]
Signature

12/18/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS # 04310270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015	CITY/ST: SAME	
PHONE: 210-698-5208	PHONE: SAME	
Attn: Brian K Murphy		

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

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Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature]
Signature
12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Roberto Q MARTINEZ
TRUCK NUMBER: #319
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature]
Driver Signature
12/17/03
Shipment Date

[Signature]
Driver Signature
12/17/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature]
Signature
12/18/03
Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015		SAME
PHONE: 210-698-5208	CITY/ST: SAME	SAME
Attn: Brian K. Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

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Brian K. Murphy
Generator Authorized Agent Name (Print)

[Signature]
Signature
12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Don Varguez
TRUCK NUMBER: 306
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature]
Driver Signature
12/18/03
Shipment Date

[Signature]
Driver Signature
12/18/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature]
Signature
12/18/03
Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS # 04310270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K Murphy PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

[Signature]
Signature
12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): *William Zuchibest*
TRUCK NUMBER: *311*
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
Driver Signature Shipment Date

[Signature] 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

ELOISA HUSERTA
Name of Authorized Agent (Print)

[Signature] 12/18/03
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

JOS# 0431 0270

PO# 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015	CITY/ST: SAME	
PHONE: 210-698-5208	PHONE: SAME	

Attn: Brian K. Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/18/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): William Ferry
 TRUCK NUMBER: 326
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

William Ferry 12/18/03
 Driver Signature Shipment Date

William Ferry 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
 Name of Authorized Agent (Print)

[Signature] 12/18/03
 Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *JOS # 0431 0270*
8611 Covel Road
San Antonio TX 78252 *PO # 8008635*
210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
PHONE: Attn: Brian K Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/18/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Ricardo Barron
TRUCK NUMBER: 315
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
Driver Signature Shipment Date

[Signature] 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

[Signature] 12/18/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job# 04310270

po# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K. Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/18/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Condolupa Villanor
TRUCK NUMBER: 307
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
Driver Signature Shipment Date

[Signature] 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Coehrs
Name of Authorized Agent (Print)

[Signature] 12/18/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

JOS # 04310270

P# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/18/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Henry Rios
 TRUCK NUMBER: 37
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
 Driver Signature Shipment Date

[Signature] 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Jennis Schreb
 Name of Authorized Agent (Print)

[Signature] 12/18/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOB # 04310270
PO # 8008635



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
PHONE: SAME
Attn: Brian K. Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

Signature
12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): David AYALA
TRUCK NUMBER: 310
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/18/03
Shipment Date

Driver Signature
12/18/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature
12/18/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *JOS# 04310270*
 8611 Covel Road
 San Antonio TX 78252 *pod# 8008635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
 ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
 CITY/ST: Boerne, TX 78015 SAME
 PHONE: 210-698-5208 CITY/ST: SAME
 Attn: Brian K Murphy PHONE: SAME

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature]
 Signature 12/18/03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Manuel Mayen
 TRUCK NUMBER: 324
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature]
 Driver Signature 12/18/03
 Shipment Date

[Signature]
 Driver Signature 12/18/03
 Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
 Name of Authorized Agent (Print)

[Signature]
 Signature 12/18/03
 Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job # 04310270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/18/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): JOE BARRIENTES
 TRUCK NUMBER: 313
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
 Driver Signature Shipment Date

[Signature] 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Cochels
 Name of Authorized Agent (Print)

Dennis Cochels 12/18/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

JOS# 0431 0270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015		SAME
PHONE: 210-698-5208	CITY/ST: SAME	SAME
Attn: Brian K Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

[Signature] 12/18/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Felix Maldonado Trucking**
 ADDRESS: **11250 S Hwy 16**
 CITY/STATE: **San Antonio, TX 78224**

DRIVER NAME(Print): Donald A. Hayes
 TRUCK NUMBER: 322
 PHONE #: **210-628-1605**

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Donald A. Hayes 12/18/03
 Driver Signature Shipment Date

Donald A. Hayes 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill**
 ADDRESS: **8611 Covel Road, San Antonio TX 78252**

PHONE NUMBER: **210-623-8800**
 FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

Dennis Cochran
 Name of Authorized Agent (Print)

[Signature] 12/18/03
 Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *Job# 0431 0270*
8611 Covel Road
San Antonio TX 78252 *PO # 800 8635*
210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
PHONE: Attn: Brian K. Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/18/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Jowell Bell
TRUCK NUMBER: 366#
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
Driver Signature Shipment Date

[Signature] 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature] 12/18/03
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS# 04 31 0270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

[Signature] 12/18/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Dan Vasquez
TRUCK NUMBER: 306
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
Driver Signature Shipment Date

[Signature] 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature] 12/18/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
PHONE: SAME
Attn: Brian K. Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

Signature
12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): William Zuehlke
TRUCK NUMBER: 314
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/18/03
Shipment Date

Driver Signature
12/18/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature
12/18/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *Job # 0431 0270*
8611 Covel Road
San Antonio TX 78252 *PO # 8008635*
210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K Murphy PHONE: SAME

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print) *[Signature]* 12/18/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking DRIVER NAME(Print): William Ferry
ADDRESS: 11250 S Hwy 16 TRUCK NUMBER: 326
CITY/STATE: San Antonio, TX 78224 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03 *[Signature]* 12/18/03
Driver Signature Shipment Date Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill PHONE NUMBER: 210-623-8800
ADDRESS: 8611 Covel Road, San Antonio TX 78252 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.
[Signature] 12/18/03
Name of Authorized Agent (Print) Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS# 0431 0270
PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature]
Signature
12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Manuel Mayen
TRUCK NUMBER: 324
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature]
Driver Signature
12/18/03
Shipment Date

[Signature]
Driver Signature
12/18/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature]
Signature
12/18/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270

PO # 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/18/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Ricardo Barron
TRUCK NUMBER: 315
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
Driver Signature Shipment Date

[Signature] 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
Name of Authorized Agent (Print)

[Signature] 12/18/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill *JOS # 0431 0270*
 8611 Covel Road
 San Antonio TX 78252 *PO# 8008635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015		SAME
PHONE: 210-698-5208	CITY/ST: SAME	SAME
<i>Attn: Brian K Murphy</i>		

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/18/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Felix Maldonado Trucking**
 ADDRESS: **11250 S Hwy 16**
 CITY/STATE: **San Antonio, TX 78224**

DRIVER NAME(Print): Henry Pios
 TRUCK NUMBER: 317
 PHONE #: **210-628-1605**

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
 Driver Signature Shipment Date

[Signature] 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill**
 ADDRESS: **8611 Covel Road, San Antonio TX 78252**

PHONE NUMBER: **210-623-8800**
 FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
 Name of Authorized Agent (Print)

[Signature] 12/18/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
----------------	-----------------	--------------	-----------------	-----------------------	-------------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *JOS # 04310270*
 8611 Covel Road
 San Antonio TX 78252 *PO # 8008635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015		SAME
PHONE: 210-698-5208	CITY/ST: SAME	
Attn: Brian K Murphy	PHONE:	SAME

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature]
 Signature 12/18/03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Felix Maldonado Trucking**
 ADDRESS: **11250 S Hwy 16**
 CITY/STATE: **San Antonio, TX 78224**

DRIVER NAME(Print): Caradalupe Villanueva
 TRUCK NUMBER: 307
 PHONE #: **210-628-1605**

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Caradalupe Villanueva 12/18/03
 Driver Signature Shipment Date

Caradalupe Villanueva 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill**
 ADDRESS: **8611 Covel Road, San Antonio TX 78252**

PHONE NUMBER: **210-623-8800**
 FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

Wendy Cole W. Cole 12/18/03
 Name of Authorized Agent (Print) Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
PO # 8008635



NON-HAZARDOUS MANIFEST

GENERATOR: **Camp Stanley Storage Activity, US Army** I.D. #: **69026** TNRCC WC#: **Exempt**
 ADDRESS: **25800 Ralph Fair Road** SITE LOCATION: **SWMU B-2**
 CITY/ST: **Boerne, TX 78015** **SAME**
 PHONE: **210-698-5208** CITY/ST: **SAME**
 PHONE: **210-698-5208** CITY/ST: **SAME**
 PHONE: **210-698-5208** CITY/ST: **SAME**

Attn: Brian K Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature]
 Signature
 12/18/03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Felix Maldonado Trucking**
 ADDRESS: **11250 S Hwy 16**
 CITY/STATE: **San Antonio, TX 78224**

DRIVER NAME(Print): David Ayala
 TRUCK NUMBER: 310
 PHONE #: **210-628-1605**

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature]
 Driver Signature
 12/18/03
 Shipment Date

[Signature]
 Driver Signature
 12/18/03
 Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill**
 ADDRESS: **8611 Covel Road, San Antonio TX 78252**

PHONE NUMBER: **210-623-8800**
 FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

[Signature]
 Name of Authorized Agent (Print)

[Signature]
 Signature
 12/18/03
 Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job# 04310270
Post# 8008634



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K Murphy PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Signature
12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Joe Barrientes
TRUCK NUMBER: 213
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/18/03
Shipment Date

Driver Signature
12/18/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature
12/18/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
PHONE: SAME
Attn: Brian K Murphy

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	15	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Signature
12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Donald A. Haynes
TRUCK NUMBER: 320
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/18/03
Shipment Date

Driver Signature
12/18/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature
12/18/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

TK315

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JCS# 0431 0270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
PHONE: Attn: Brian K Murphy PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Signature
12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Felix GARZA
TRUCK NUMBER: 395
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/18/03
Shipment Date

Driver Signature
12/18/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature
12/18/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS# 0431 0270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/18/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Daniel Vasquez
TRUCK NUMBER: 306
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
Driver Signature Shipment Date

[Signature] 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

[Signature] 12/18/03
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270
PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K Murphy PHONE: SAME

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Signature
12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Jonell Bell
TRUCK NUMBER: 366#
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature
12/18/03
Shipment Date

Driver Signature
12/18/03
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature
12/18/03
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *Job # 0431 0270*
 8611 Covel Road
 San Antonio TX 78252 *PO # 8008635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: **Camp Stanley Storage Activity, US Army** I.D. #: 69026 TNRCC WC#: Exempt
 ADDRESS: **25800 Ralph Fair Road** SITE LOCATION: **SWMU B-2**
 CITY/ST: **Boerne, TX 78015** SAME
 PHONE: **210-698-5208** CITY/ST: **SAME**
 Attn: **Brian K. Murphy** PHONE: **SAME**

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/18/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Felix Maldonado Trucking**
 ADDRESS: **11250 S Hwy 16**
 CITY/STATE: **San Antonio, TX 78224**

DRIVER NAME(Print): William Zuehlhoff
 TRUCK NUMBER: 314
 PHONE #: **210-628-1605**

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

William Zuehlhoff 12/18/03
 Driver Signature Shipment Date

William Zuehlhoff 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill**
 ADDRESS: **8611 Covel Road, San Antonio TX 78252**

PHONE NUMBER: **210-623-8800**
 FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

Jennis Cochrel
 Name of Authorized Agent (Print)

[Signature] 12, 18, 03
 Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job # 6431 0270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015		SAME
PHONE: 210-698-5208	CITY/ST: SAME	SAME
Attn: Brian K Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

[Signature] 12/18/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Henry Rio
 TRUCK NUMBER: 317
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
 Driver Signature Shipment Date

[Signature] 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature]
 Name of Authorized Agent (Print)

[Signature] 12/18/03
 Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-2		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K. Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
Generator Authorized Agent Name (Print)

[Signature] 12/18/03
Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): William Ferry
TRUCK NUMBER: 326
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

William Ferry 12/18/03
Driver Signature Shipment Date

William Ferry 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

[Signature] 12/18/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job # 0431 0270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army	I.D. #: 69026	TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road	SITE LOCATION: SWMU B-2	
CITY/ST: Boerne, TX 78015	CITY/ST: SAME	
PHONE: 210-698-5208	PHONE: SAME	
Attn: Brian K Murphy		

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

[Signature]
 Signature

12.18.03
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): JOE BARRICKS
 TRUCK NUMBER: 313
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature]
 Driver Signature

12.18.03
 Shipment Date

[Signature]
 Driver Signature

12.18.03
 Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
 Name of Authorized Agent (Print)

[Signature]
 Signature

12.18.03
 Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill *JOS# 0431 0270*
 8611 Covel Road
 San Antonio TX 78252 *PO# 800 8635*
 210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: <u>Camp Stanley Storage Activity, US Army</u>	I.D. #: <u>69026</u>	TNRCC WC#: <u>Exempt</u>
ADDRESS: <u>25800 Ralph Fair Road</u>	SITE LOCATION: <u>SWMU B-2</u>	
CITY/ST: <u>Boerne, TX 78015</u>		<u>SAME</u>
PHONE: <u>210-698-5208</u>	CITY/ST: <u>SAME</u>	<u>SAME</u>
<u>Attn: Brian K. Murphy</u>	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K. Murphy
 Generator Authorized Agent Name (Print)

[Signature] 12/18/03
 Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Barron Ricardo
 TRUCK NUMBER: 315
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 12/18/03
 Driver Signature Shipment Date

[Signature] 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials

[Signature]
 Name of Authorized Agent (Print)

[Signature] 12/18/03
 Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

Signature

Delivery Date

12/18/03

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Manuel Mayen
 TRUCK NUMBER: 324
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

12/18/03

12/18/03

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature

Receipt Date

12/18/03

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
PO # 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	69026	TNRCC WC#: Exempt
ADDRESS:	25800 Ralph Fair Road	I.D. #:	SWMU B-2
CITY/ST:	Boerne, TX 78015	SITE LOCATION:	SAME
PHONE:	210-698-5208	CITY/ST:	SAME
	Attn: Brian K Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	16	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Brian K. Murphy
Signature

12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>Candelupe Villarreal</u>
ADDRESS:	1256 S Hwy 16	TRUCK NUMBER:	<u>307</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	<u>210-628-1605</u>

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Candelupe Villarreal 12/18/03
Driver Signature Shipment Date

Candelupe Villarreal 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

Dennis Gehrels
Name of Authorized Agent (Print)

[Signature]
Signature

12/18/03
Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job # 04310270
 PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	10	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print) Signature 12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	DAVID AYALA
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	310
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

D Ayala 12/18/03 D Ayala 12/18/03
 Driver Signature Shipment Date Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.
Wennis Cabral Signature 12/18/03
 Name of Authorized Agent (Print) Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS # 0431 0270

PO # 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	69026	TNRCC WC#: Exempt
ADDRESS:	25800 Ralph Fair Road	I.D. #:	SWMU B-2
CITY/ST:	Boerne, TX 78015	SITE LOCATION:	SAME
PHONE:	210-698-5208	CITY/ST:	SAME
	Attn: Brian K Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	10	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

Signature

Delivery Date

Brian K. Murphy
12/18/03

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 12505 Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Donald A. Haynes
TRUCK NUMBER: 322
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Donald A. Haynes 12/18/03
Driver Signature Shipment Date

Donald A. Haynes 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

W. C. ...
Name of Authorized Agent (Print)

W. C. ... 12/18/03
Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

345
SOS# 04310270
PO# 8008635

65242



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
CITY/ST: Boerne, TX 78015 SAME
PHONE: 210-698-5208 CITY/ST: SAME
Attn: Brian K Murphy PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print) Brian K. Murphy Signature 12/18/03 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Felix Maldonado
TRUCK NUMBER: 345
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

F. Maldonado 12/18/03 Shipment Date F. Maldonado 12/18/03 Delivery Date
Driver Signature Driver Signature

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

[Signature] Name of Authorized Agent (Print) [Signature] Signature 12/18/03 Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270

Do # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	69026	TNRCC WC#: Exempt
ADDRESS:	25800 Ralph Fair Road	I.D. #:	SWMU B-2
CITY/ST:	Boerne, TX 78015	SITE LOCATION:	SAME
PHONE:	210-698-5208	CITY/ST:	SAME
	Attn: Brian K Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

B.K. Murphy Signature
12/18/03 Delivery Date

TRANSPORTER

Felix Maldonado Trucking
TRANSPORTER NAME: 1255 S Hwy 16
ADDRESS: San Antonio, TX 78224
CITY/STATE:

William Zuehlke DRIVER NAME(Print):
314 TRUCK NUMBER:
210-628-1605 PHONE #:

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

William Zuehlke Driver Signature
12/18/03 Shipment Date

William Zuehlke Driver Signature
12/18/03 Delivery Date

DISPOSAL FACILITY

Covel Gardens Landfill
SITE NAME: 8611 Covel Road, San Antonio TX 78252
ADDRESS:

210-623-8800
PHONE NUMBER: H2093
FACILITY I.D. #:

I hereby acknowledge receipt of the above described materials.

Edgar Cab
Name of Authorized Agent (Print)

[Signature] Signature
12/18/03 Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270
Po # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:			SWMU B-2
CITY/ST:	Boerne, TX 78015				SAME
PHONE:	210-698-5208	CITY/ST:			SAME
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print) _____
 Signature B.K. Murphy Delivery Date 12/18/03

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>Dan Vasquez</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>306</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Dan Vasquez 12/18/03
 Driver Signature Shipment Date
Dan Vasquez 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.
 Name of Authorized Agent (Print) _____
 Signature _____ Receipt Date 12/18/03

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	69026	TNRCC WC#: Exempt
ADDRESS:	25800 Ralph Fair Road	I.D. #:	SWMU B-2
CITY/ST:	Boerne, TX 78015	SITE LOCATION:	SAME
PHONE:	210-698-5208	CITY/ST:	SAME
	Attn: Brian K Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

B.K. Murphy
Signature

12/18/03
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Jonell Bell
TRUCK NUMBER: 366#
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Jonell Bell 12/18/03
Driver Signature Shipment Date

Jonell Bell 12/18/03
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

D. Colva
Name of Authorized Agent (Print)

D. Colva 12/18/03
Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
 po # 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR: Camp Stanley Storage Activity, US Army I.D. #: 69026 TNRCC WC#: Exempt
 ADDRESS: 25800 Ralph Fair Road SITE LOCATION: SWMU B-2
 CITY/ST: Boerne, TX 78015 CITY/ST: SAME
 PHONE: 210-698-5208 CITY/ST: SAME
 Attn: Brian K Murphy PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

Brian K Murphy Signature 12/18/03 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): HAUK RIOS
 TRUCK NUMBER: 307
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Mu... 12/18/03
 Driver Signature Shipment Date

Mu... 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Eda... 12/18/03
 Name of Authorized Agent (Print)

Eda... 12/18/03
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

65247

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270

PO # 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	69026	TNRCC WC#: Exempt
ADDRESS:	25800 Ralph Fair Road	I.D. #:	SWMU B-2
CITY/ST:	Boerne, TX 78015	SITE LOCATION:	SAME
PHONE:	210-698-5208	CITY/ST:	SAME
	Attn: Brian K Murphy	PHONE:	

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

Brian K. Murphy Signature 12/18/03 Delivery Date

TRANSPORTER

Felix Maldonado Trucking
 TRANSPORTER NAME: 11250 S Hwy 16
 ADDRESS: San Antonio, TX 78224
 CITY/STATE:

DRIVER NAME(Print): JOE BARRIENTOS
 TRUCK NUMBER: 313
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

DISPOSAL FACILITY

Covel Gardens Landfill
 SITE NAME: 8611 Covel Road, San Antonio TX 78252
 ADDRESS:

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent (Print)

Signature

Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Job # 0431 0270
 Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252 Po# 8008635
 210-623-8800 / 210-623-6791 Fax



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:			SWMU B-2
CITY/ST:	Boerne, TX 78015				SAME
PHONE:	210-698-5208	CITY/ST:			SAME
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2	CG-25591, C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

Signature

12/18/03

Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): William Ray Ferry
 TRUCK NUMBER: 326
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

William Ferry 12/18/03
 Driver Signature Shipment Date

William Ferry 12/18/03
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

D. Gehrels
 Name of Authorized Agent (Print)

[Signature] 12/18/03
 Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-20	<i>AD</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-20 <i>AD</i>	CG-25591, <i>AD</i> <i>C7</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
Generator Authorized Agent Name (Print)

Brian K. Murphy Signature
5/4/04 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Donald A. Hayes
TRUCK NUMBER: 330
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Donald A. Hayes Driver Signature
5/4/04 Shipment Date

Donald A. Hayes Driver Signature
5/4/04 Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Thomas Glean
Name of Authorized Agent (Print)

Thomas Glean Signature
5/4/04 Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JCS # 04310270
PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>20</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>20</i>	CG-25591, 65 <i>C-7</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>Brian K. Murphy</i></u>	<u>5/4/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u><i>Scott R. Whicker</i></u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u><i>300</i></u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>Scott R. Whicker</i></u>	<u>5/4/04</u>	<u><i>Scott R. Whicker</i></u>	<u>5/4/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<u><i>Thomas Glenn</i></u>	<u>5/4/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>RD</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>RD</i>	CG-25591, <i>RD</i> <i>2-7</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>B.K. Murphy</i></u>	<u>5/4/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>DAVID AYALA</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>311</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>D Ayala</i></u>	<u>5/4/04</u>	<u><i>D Ayala</i></u>	<u>5/4/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<u><i>Thomas Glenn</i></u>	<u>5/4/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain
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Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS 04310270
PO # 8008435



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>AD</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>AD</i>	CG-25591, <i>AD</i> <i>07</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<i>B.K. Murphy</i>	<u>5/4/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>JEFF LOPEZ</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>345</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<i>[Signature]</i>	<u>5/4/04</u>	<i>[Signature]</i>	<u>5/4/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<i>Thomas Glenn</i>	<u>5/4/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

JOS # 04310270
 PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>RD</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>RD</i>	CG-25591, <i>RD</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

B.K. Murphy
 Signature

5/4/04
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Jowell Bell
 TRUCK NUMBER: 366#
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Jowell Bell 5/4/04
 Driver Signature Shipment Date

Jowell Bell 5/4/04
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Thomas Glenn
 Name of Authorized Agent (Print)

Thomas Glenn 5/4/04
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

JOS# 04310270
PO# 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-27	<i>RQ</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-27 <i>RQ</i>	CG-25591, CG <i>CG</i>	<i>18</i>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>Brian K. Murphy</i></u>	<u><i>5/4/04</i></u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u><i>Scott R. Whister</i></u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u><i>306</i></u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>Scott R. Whister</i></u>	<u><i>05/04/04</i></u>	<u><i>Scott R. Whister</i></u>	<u><i>05/04/04</i></u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<u><i>Thomas Glenn</i></u>	<u><i>5/4/04</i></u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job# 04310270
PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:	SWMU B-23 <i>Q</i>		
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-23 <i>Q</i>	CG-25591, <i>07</i>	<i>18</i>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>Brian K. Murphy</i></u>	<u><i>5/4/04</i></u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>DAVID AYALA</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>311</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>D Ayala</i></u>	<u><i>5/4/04</i></u>	<u><i>D Ayala</i></u>	<u><i>5/4/04</i></u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u><i>Dennis Gehrels</i></u>	<u><i>Dennis Gehrels</i></u>	<u><i>5/4/04</i></u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270

PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>B</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>B</i>	CG-25591, 1 C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>Brian K. Murphy</i></u>	<u>5/4/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u><i>Jeff Lopez</i></u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>345</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>Jeff Lopez</i></u>	<u>5/4/04</u>	<u><i>Jeff Lopez</i></u>	<u>5/4/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u><i>Dennis Gehrels</i></u>	<u><i>Dennis Gehrels</i></u>	<u>5/4/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain
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Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270
PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-23	<i>RD</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-23 <i>RD</i>	CG-25591, <i>CG</i>	<i>18</i>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>Brian K. Murphy</i></u>	<u><i>5/14/04</i></u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u><i>Donald A. Thomas</i></u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u><i>530</i></u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>Donald A. Thomas</i></u>	<u><i>5/14/04</i></u>	<u><i>Donald A. Thomas</i></u>	<u><i>5/14/04</i></u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u><i>Dennis Gehrels</i></u>	<u><i>Dennis Gehrels</i></u>	<u><i>5/14/04</i></u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270
PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>AD</i>
CITY/ST:	Boerne, TX 78015	CITY/ST:		SAME	
PHONE:	210-698-5208	PHONE:		SAME	
	Attn: Brian K Murphy				

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>AD</i>	CG-25591, <i>AD</i> <i>CG</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>Brian K. Murphy</i></u>	<u>5/4/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>Jowell Bell</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>366#</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>Jowell Bell</i></u>	<u>5, 4, 04</u>	<u><i>Jowell Bell</i></u>	<u>5, 4, 04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u><i>[Signature]</i></u>	<u><i>[Signature]</i></u>	<u>5/4/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS# 04310270
PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>RD</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>RD</i>	CG-25591 <i>RD</i> <i>07</i>	<i>18</i>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>Brian K. Murphy</i></u>	<u><i>5-4-04</i></u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u><i>Scott R. Whisher</i></u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u><i>386</i></u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>Scott R. Whisher</i></u>	<u><i>05/04/04</i></u>	<u><i>Scott R. Whisher</i></u>	<u><i>05/04/04</i></u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<u><i>Scott R. Whisher</i></u>
Name of Authorized Agent (Print)	Signature
	<u><i>05/04/04</i></u>
	Receipt Date
<u>Thomas Glenn</u>	<u><i>5-4-04</i></u>

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
 Pct # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-23	<i>QD</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-23 <i>QD</i>	CG-25591, 51 <i>67</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy
 Generator Authorized Agent Name (Print)

B.K. Murphy
 Signature

5/4/04
 Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking

ADDRESS: 11250 S Hwy 16

CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): DAVID AYACA

TRUCK NUMBER: 311

PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

D Ayala
 Driver Signature

5/4/04
 Shipment Date

D Ayala
 Driver Signature

5/4/04
 Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill

ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800

FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Thomas Glen
 Name of Authorized Agent (Print)

Thomas Glen
 Signature

5/4/04
 Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax

SOS # 04 310270
PO # 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-23	<i>23</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attr: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-23 <i>23</i>	CG-25591, <i>23</i> <i>27</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<i>B.K. Murphy</i>	<u>5/4/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<i>JEFF LOPEZ</i>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<i>#345</i>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<i>[Signature]</i>	<u>5/4/03</u>	<i>[Signature]</i>	<u>5/4/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<i>Thomas Glenn</i>	<u>5/4/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

72984

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

SOS# 0431 0270
PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-23	<i>AD</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-23 <i>AD</i>	CG-25591, 25 C-7	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>B.K. Murphy</i></u>	<u>5/4/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>Donald A. HAYNES</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>330</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>Donald A. Haynes</i></u>	<u>5/4/04</u>	<u><i>Donald A. Haynes</i></u>	<u>5/4/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<u><i>Thomas Glenn</i></u>	<u>5/4/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-23	<i>RJ</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-23 <i>RJ</i>	CG-25591 5 <i>2-7</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>Brian K. Murphy</i></u>	<u>5/4/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>Jowell Bell</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>366#</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>Jowell Bell</i></u>	<u>5/4/04</u>	<u><i>Jowell Bell</i></u>	<u>5/4/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<u><i>Thomas Glenn</i></u>	<u>5/4/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

72986

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

SOS # 04 31 0270
PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-23	<i>[Signature]</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attr: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-23 <i>[Signature]</i>	CG-25591 58 <i>57</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<i>[Signature]</i>	<u>5/4/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>Scott R. Whisher</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>306</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<i>[Signature]</i>	<u>05/04/04</u>	<i>[Signature]</i>	<u>05/04/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<i>[Signature]</i>	<u>5/4/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-23	<i>[initials]</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-23 <i>[initials]</i>	CG-25591, CG-25591 <i>CG-25591</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<i>Brian K. Murphy</i>	<u>5/4/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<i>Jeff Lopez</i>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<i>#345</i>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<i>[Signature]</i>	<u>5/4/04</u>	<i>[Signature]</i>	<u>5/4/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<i>Thomas Glenn</i>	<u>5/14/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job# 04310270
PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-29	RR
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-29 RR	CG-25591, 75 62	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u>Brian K. Murphy</u>	<u>5/4/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>DAVID AYALA</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>311</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u>D Ayala</u>	<u>5/4/04</u>	<u>D Ayala</u>	<u>5/4/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<u>Thomas Glenn</u>	<u>5/4/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

72989

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252

210-623-8800 / 210-623-6791 Fax

Jas # 04310270
PO # 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-25	<i>RD</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-25 <i>RD</i>	CG-25591, CG-25591 <i>C-7</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

Brian K. Murphy

Signature

5/4/04

Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
 ADDRESS: 11250 S Hwy 16
 CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): Donald A. Haynes
 TRUCK NUMBER: 330
 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Donald A. Haynes 5/4/04
 Driver Signature Shipment Date

Donald A. Haynes 5/4/04
 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
 ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Thomas Glenn
 Name of Authorized Agent (Print)

Thomas Glenn 5/4/04
 Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>JD</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>JD</i>	CG-25591, 88 <i>C-7</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<i>B.K. Murphy</i>	<u>5/4/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>Jowell Bell</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>366#</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<i>Jowell Bell</i>	<u>5/4/04</u>	<i>Jowell Bell</i>	<u>5/4/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<i>Dennis Gehrels</i>	<i>Dennis Gehrels</i>	<u>5/4/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

72991 ✓

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

IOS# 0431 0270

PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2#	32 JA
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2# <i>JA</i>	CG-25591, <i>JA</i> <i>CG JA</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>Brian K. Murphy</i></u>	<u>5/7/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>Donald A. Haynes</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>330</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>Donald A. Haynes</i></u>	<u>5/7/04</u>	<u><i>Donald A. Haynes</i></u>	<u>5/7/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glan</u>	<u><i>Thomas Glan</i></u>	<u>5/7/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job# 04310270
PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>BB</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
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Soil from SWMU B-2 <i>BB</i>	CG-25591, <i>CG</i>	<u>18</u>	CY
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I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Brian K Murphy

Generator Authorized Agent Name (Print)

Brian K. Murphy
Signature

5/7/04
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Felix Maldonado Trucking
ADDRESS: 11250 S Hwy 16
CITY/STATE: San Antonio, TX 78224

DRIVER NAME(Print): *David Segovia*
TRUCK NUMBER: *326*
PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

D.W. Segovia *5/7/04*
Driver Signature Shipment Date

D.W. Segovia *5/7/04*
Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Thomas Glenn
Name of Authorized Agent (Print)

Thomas Glenn
Signature

5/7/04
Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS# 0431 0270
PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>RD</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>RD</i>	CG-25591, EE <i>RD</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>Brian K. Murphy</i></u>	<u>5/7/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>DAVID AYALA</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>311</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>D Ayala</i></u>	<u>5/7/04</u>	<u><i>D Ayala</i></u>	<u>5/7/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<u><i>Thomas Glenn</i></u>	<u>5/7/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

72994✓

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS # 0431 0270
PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>RD</i>
CITY/ST:	Boerne, TX 78015			SAME	<i>u</i>
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>RD</i>	CG-25591, <i>RD</i> <i>C-7 u</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<i>Brian K. Murphy</i>	<i>5/7/04</i>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>PHILLIP W. MCKESSICE</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>319</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<i>Phillip W. McKessice</i>	<i>5/7/04</i>	<i>Phillip W. McKessice</i>	<i>5-7-04</i>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<i>Thomas Glenn</i>	<i>5/7/04</i>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>RD/10</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>RD/10</i>	CG-25591 25 <i>27</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>Brian K Murphy</i></u>	<u>5/7/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u><i>Ray Rivera</i></u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>354</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>Ray Rivera</i></u>	<u>5/7/04</u>	<u><i>Ray Rivera</i></u>	<u>5/7/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<u><i>Thomas Glenn</i></u>	<u>5/7/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

72996 ✓

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

SOS # 04310270
PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-25	RD
CITY/ST:	Boerne, TX 78015			SAME	Ja
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-23 <i>Ja</i>	CG-25591, <i>C-2 Ja</i>	<i>18</i>	<i>CY</i>

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>Brian K. Murphy</i></u>	<u><i>5/7/04</i></u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u><i>Felix Maldonado</i></u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u><i>323</i></u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>[Signature]</i></u>	<u><i>5/7/04</i></u>	<u><i>[Signature]</i></u>	<u><i>5/7/04</i></u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u><i>Thomas Glen</i></u>	<u><i>Thomas Glen</i></u>	<u><i>5/7/04</i></u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

JOS# 0431 0270
PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>RQ</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>RQ</i>	CG-25591 <i>CG-25591</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>Brian K Murphy</i></u>	<u>5/7/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u><i>Scott R. Whisker</i></u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>306</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>Scott R. Whisker</i></u>	<u>05/07/04</u>	<u><i>Scott R. Whisker</i></u>	<u>05/07/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<u><i>Thomas Glenn</i></u>	<u>5/7/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job# 04310270
PO# 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>RD</i>
CITY/ST:	Boerne, TX 78015			SAME	<i>RD</i>
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attr: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>RD ga</i>	CG-25591 <i>RD ga</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>B.K.M.</i></u>	<u><i>5/7/04</i></u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u><i>Jonell Bell</i></u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u><i>366#</i></u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>Jonell Bell</i></u>	<u><i>5/7/04</i></u>	<u><i>Jonell Bell</i></u>	<u><i>5/7/04</i></u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u><i>Thomas Glenn</i></u>	<u><i>Thomas Glenn</i></u>	<u><i>5/7/04</i></u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

72999

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

SOS 04310270
ID # 8208635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-28	<i>By</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attr: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-28 <i>By</i>	CG-25591, CG-25591 <i>C-7</i>	<i>18</i>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>B.K. Murphy</i></u>	<u>5/7/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>Donald A. Haynes</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>330</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>Donald A. Haynes</i></u>	<u>5/7/04</u>	<u><i>Donald A. Haynes</i></u>	<u>5/7/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glau</u>	<u><i>Thomas Glau</i></u>	<u>5/7/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

73000

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 04310270
PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	<i>RD</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 <i>RD</i>	CG-25591, 300 <i>27</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<i>Brian K. Murphy</i>	<u>5/7/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>DAVID AYALA</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>311</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<i>D Ayala</i>	<u>5/7/04</u>	<i>D Ayala</i>	<u>5/7/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<i>Thomas Glenn</i>	<u>5/7/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

73001

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
PO # 800 8635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-23	<i>RD</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-23 <i>RD</i>	CG-25591 <i>RD</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u><i>B.K. Murphy</i></u>	<u>5/7/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>David Segovia</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>326</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u><i>D.W. Segovia</i></u>	<u>5/7/04</u>	<u><i>D.W. Segovia</i></u>	<u>5/7/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<u><i>Thomas Glenn</i></u>	<u>5/7/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

73002

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

SoS # 0431 0270
Po # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-25	<i>RD #1</i>
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-25 <i>RD #1</i>	CG-25591, <i>RD #1</i>	<u>18</u>	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<i>Brian K. Murphy</i>	<u>5/7/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u><i>Felix Maldonado</i></u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u><i>573</i></u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<i>KJL</i>	<u>5/7/04</u>	<i>KJL</i>	<u>5/7/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Thomas Glenn</u>	<i>Thomas Glenn</i>	<u>5/7/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

73003 ✓

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

SoS # 04310270
PO # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-23	RD
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-23	CG-25591	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u>Brian K. Murphy</u>	<u>5/7/04</u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	PHILLIP MCKISSICK
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	319
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u>Phillip McKissick</u>	<u>5/7/04</u>	<u>Phillip McKissick</u>	<u>5/7/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Dennis Gehock</u>	<u>Dennis Gehock</u>	<u>5/7/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

73004

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

Job # 0431 0270
Po # 8008635



WASTE MANAGEMENT, INC.

NON-HAZARDOUS MANIFEST

GENERATOR:	Camp Stanley Storage Activity, US Army	I.D. #:	69026	TNRCC WC#:	Exempt
ADDRESS:	25800 Ralph Fair Road	SITE LOCATION:		SWMU B-2	ja
CITY/ST:	Boerne, TX 78015			SAME	
PHONE:	210-698-5208	CITY/ST:		SAME	
	Attn: Brian K Murphy	PHONE:			

Description of Waste Materials	Approval Number	Quantity	Units
Soil from SWMU B-2 ja	CG-25591, C-3 C7 ja	18	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

<u>Brian K Murphy</u>	<u>Brian K. Murphy</u>	<u> </u> / <u> </u> / <u> </u>
Generator Authorized Agent Name (Print)	Signature	Delivery Date

TRANSPORTER

TRANSPORTER NAME:	Felix Maldonado Trucking	DRIVER NAME(Print):	<u>Ray Rivera</u>
ADDRESS:	11250 S Hwy 16	TRUCK NUMBER:	<u>354</u>
CITY/STATE:	San Antonio, TX 78224	PHONE #:	210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

<u>Ray Rivera</u>	<u>5/7/04</u>	<u>Ray Rivera</u>	<u>5/7/04</u>
Driver Signature	Shipment Date	Driver Signature	Delivery Date

DISPOSAL FACILITY

SITE NAME:	Covel Gardens Landfill	PHONE NUMBER:	210-623-8800
ADDRESS:	8611 Covel Road, San Antonio TX 78252	FACILITY I.D. #:	H2093

I hereby acknowledge receipt of the above described materials.

<u>Dennis Coehrs</u>	<u>Dennis Coehrs</u>	<u>5/7/04</u>
Name of Authorized Agent (Print)	Signature	Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

75360

44965

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax



PO 2993-NB-006

NON-HAZARDOUS MANIFEST

GENERATOR: US Army Camp Stanley Storage Activity I.D. #: 69026
ADDRESS: 25800 Ralph Fair Road SITE LOCATION:
CITY/ST: Boerne TX 78015 CITY/ST: B-2
PHONE: 210-295-5208 Glare Sanchez PHONE:

Description of Waste Materials Approval Number Quantity Units

Waste soils generated from routine site investigation within NorthPasture CG-107030TX 20 CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Glare Sanchez Generator Authorized Agent Name (Print) Signature Delivery Date 3/20/08^{BS}

TRANSPORTER

TRANSPORTER NAME: Bayou City Environmental Service DRIVER NAME(Print): Anthony Ortiz
ADDRESS: 1203 Genoa Redbluff TRUCK NUMBER: 313
CITY/STATE: Pasadena TX 77501 PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature Shipment Date 3/20/08 Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill PHONE NUMBER: 210-623-8800
ADDRESS: 8611 Covel Road, San Antonio TX 78252 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials. Name of Authorized Agent (Print) Signature Receipt Date 3/20/08

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
 8611 Covel Road
 San Antonio TX 78252
 210-623-8800 / 210-623-6791 Fax



Job# 2993-NB-006

NON-HAZARDOUS MANIFEST

GENERATOR: **US Army Camp Stanley Storage Activity** I.D. #: **69026**
 ADDRESS: **25800 Ralph Fair Road** SITE LOCATION:
 CITY/ST: **Boerne TX 78015** CITY/ST: AOC-B-2
 PHONE: **210-295-5208 Glare Sanchez** PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
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Waste soils generated from routine site investigation within NorthPasture	CG-107030TX	<u>20</u>	CY
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I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Glare Sanchez Signature: [Signature] Delivery Date: 3/20/08
 Generator Authorized Agent Name (Print) Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Bayou City Environmental Service** DRIVER NAME(Print): PAT GARCIA
 ADDRESS: **1203 Genoa Redbluff** TRUCK NUMBER: 301
 CITY/STATE: **Pasadena TX 77501** PHONE #: 210-628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

PAT GARCIA 3/20/08 PAT GARCIA 3/20/08
 Driver Signature Shipment Date Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill** PHONE NUMBER: **210-623-8800**
 ADDRESS: **8611 Covel Road, San Antonio TX 78252** FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

Andres Juan [Signature] 3/20/08
 Name of Authorized Agent (Print) Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax

354

44968



505# 2993-NB-006
ps

NON-HAZARDOUS MANIFEST

GENERATOR: **US Army Camp Stanley Storage Activity** I.D. #: **69026**
ADDRESS: **25800 Ralph Fair Road** SITE LOCATION: **A0C-B2**
CITY/ST: **Boerne TX 78015**
PHONE: **210-295-5208 Glare Sanchez** CITY/ST: _____
PHONE: _____

Description of Waste Materials	Approval Number	Quantity	Units
Waste soils generated from routine site investigation within NorthPasture	CG-107030TX	20	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Glare Sanchez
Generator Authorized Agent Name (Print) Signature [Signature] Delivery Date 3/20/08

TRANSPORTER

TRANSPORTER NAME: **Bayou City Environmental Service** DRIVER NAME(Print): CARV
ADDRESS: **1203 Genoa Redbluff** TRUCK NUMBER: 354
CITY/STATE: **Pasadena TX 77501** PHONE #: 628 1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 3/20/08 [Signature]
Driver Signature Shipment Date Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill** PHONE NUMBER: **210-623-8800**
ADDRESS: **8611 Covel Road, San Antonio TX 78252** FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

Justin P. [Signature] [Signature] 3/29/08
Name of Authorized Agent (Print) Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: US Army Camp Stanley Storage Activity
ADDRESS: 25800 Ralph Fair Road
CITY/ST: Boerne TX 78015
PHONE: 210-295-5208 Glare Sanchez

I.D. #: 69026
SITE LOCATION:
CITY/ST:
PHONE:

Acc-B-2

Description of Waste Materials	Approval Number	Quantity	Units
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Waste soils generated from routine site investigation within NorthPasture

CG-107030TX

20

CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Glare Sanchez

Generator Authorized Agent Name (Print)

Signature

3/20/08
Delivery Date

TRANSPORTER

TRANSPORTER NAME: Bayou City Environmental Service
ADDRESS: 1203 Genoa Redbluff
CITY/STATE: Pasadena TX 77501

DRIVER NAME(Print):
TRUCK NUMBER:
PHONE #:

CARY Holeman
354
210 628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Driver Signature

3/20/08
Shipment Date

Driver Signature

3/20/08
Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill
ADDRESS: 8611 Covel Road, San Antonio TX 78252

PHONE NUMBER: 210-623-8800
FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.

Justin P. Muna
Name of Authorized Agent (Print)

Signature

3/20/08
Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
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White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: US Army Camp Stanley Storage Activity I.D. #: 69026
ADDRESS: 25800 Ralph Fair Road SITE LOCATION: AOC-B-2
CITY/ST: Boerne TX 78015
PHONE: 210-295-5208 Glare Sanchez CITY/ST: _____
PHONE: _____

Description of Waste Materials	Approval Number	Quantity	Units
Waste soils generated from routine site investigation within North Pasture	CG-107030TX	20	CY

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Glare Sanchez
Generator Authorized Agent Name (Print) Signature [Signature] Delivery Date 3/20/08

TRANSPORTER

TRANSPORTER NAME: Bayou City Environmental Service DRIVER NAME(Print): PAT GARCIA
ADDRESS: 1203 Genoa Redbluff TRUCK NUMBER: 301
CITY/STATE: Pasadena TX 77501 PHONE #: (210) 628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Pat Garcia 3/20/08 Pat Garcia 3/20/08
Driver Signature Shipment Date Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: Covel Gardens Landfill PHONE NUMBER: 210-623-8800
ADDRESS: 8611 Covel Road, San Antonio TX 78252 FACILITY I.D. #: H2093

I hereby acknowledge receipt of the above described materials.
Andrew Tan [Signature] 3/20/08
Name of Authorized Agent (Print) Signature Receipt Date

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
White - Original	Blue - Disposer Retain (Audit)	Canary - Disposer Retain	Pink - Transporter Retain	Gold - Generator Retain	

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: **US Army Camp Stanley Storage Activity** I.D. #: **69026**
ADDRESS: **25800 Ralph Fair Road** SITE LOCATION:
CITY/ST: **Boerne TX 78015** CITY/ST: Doc-B-2
PHONE: **210-295-5208 Glare Sanchez** PHONE:

Description of Waste Materials	Approval Number	Quantity	Units
--------------------------------	-----------------	----------	-------

Waste soils generated from routine site investigation within NorthPasture	CG-107030TX	<u>20</u>	CY
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I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Glare Sanchez Signature 3/20/08 Delivery Date
Generator Authorized Agent Name (Print)

TRANSPORTER

TRANSPORTER NAME: **Bayou City Environmental Service** DRIVER NAME(Print): CARY HOLEMAN
ADDRESS: **1203 Genoa Redbluff** TRUCK NUMBER: 354
CITY/STATE: **Pasadena TX 77501** PHONE #: (210) 628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

[Signature] 3/20/08 [Signature] 3/21/08
Driver Signature Shipment Date Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill** PHONE NUMBER: **210-623-8800**
ADDRESS: **8611 Covel Road, San Antonio TX 78252** FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

Ancheras Jim Signature 3/21/08 Receipt Date
Name of Authorized Agent (Print)

Dr-Drum	C-Carton	B-Bag	P-Pounds	CY-Cubic Yards	GL-Gallons
---------	----------	-------	----------	----------------	------------

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Covel Gardens Landfill
8611 Covel Road
San Antonio TX 78252
210-623-8800 / 210-623-6791 Fax



NON-HAZARDOUS MANIFEST

GENERATOR: **US Army Camp Stanley Storage Activity** I.D. #: **69026**
ADDRESS: **25800 Ralph Fair Road** SITE LOCATION: AOC-B-2
CITY/ST: **Boerne TX 78015**
PHONE: **210-295-5208 Glare Sanchez** CITY/ST: _____
PHONE: _____

Description of Waste Materials Approval Number Quantity Units

Waste soils generated from routine site investigation within NorthPasture **CG-107030TX** 20 **CY**

I hereby certify that the above described materials are not hazardous wastes as defined by 40 CFR Part 261 and does not contain free liquids as defined by 40 CFR Part 260.10 or any applicable state law. Have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Glare Sanchez [Signature] 3/20/08
Generator Authorized Agent Name (Print) Signature Delivery Date

TRANSPORTER

TRANSPORTER NAME: **Bayou City Environmental Service** DRIVER NAME(Print): PAT GARCIA
ADDRESS: **1203 Genoa Redbluff** TRUCK NUMBER: 301
CITY/STATE: **Pasadena TX 77501** PHONE #: (210) 628-1605

I hereby acknowledge receipt of the above described materials were received from the generator listed above and delivered to the disposal facility listed below without incident.

Pat Garcia 3/20/08 P. Garcia 3-21-08
Driver Signature Shipment Date Driver Signature Delivery Date

DISPOSAL FACILITY

SITE NAME: **Covel Gardens Landfill** PHONE NUMBER: **210-623-8800**
ADDRESS: **8611 Covel Road, San Antonio TX 78252** FACILITY I.D. #: **H2093**

I hereby acknowledge receipt of the above described materials.

Andres Jara [Signature] 3/21/08
Name of Authorized Agent (Print) Signature Receipt Date

Dr-Drum C-Carton B-Bag P-Pounds CY-Cubic Yards GL-Gallons

White - Original Blue - Disposer Retain (Audit) Canary - Disposer Retain Pink - Transporter Retain Gold - Generator Retain

Appendix 13

Photographic Documentation

Appendix 13 presents photos of SWMU B-2 and associated investigations between 1993 and 2010.



Photo 13-1. Small arms ammunition burn area photographed during the 1993 Environmental Assessment.





Photo 13-3. Wide view of excavation and sifting operation in September 2003.



Photo 13-4. Munitions debris items sifted from excavated soil in September 2003.



Photo 13-5. Most northern area completely backfilled following September 2003 excavation.



Photo 13-6. Excavation and confirmation sampling in November 2004.



Photo 13-7. Excavation and confirmation sampling of B2-SS13, B2-SS14, and B2-SS16 in March 2008.



Photo 13-8. Excavation and confirmation sampling of B2-SW14 in March 2008.



Photo 13-9. XRF sampling in June 2010.

Appendix 16 Reference List

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