

0945- Begin trenching TT20-9 into road.

1015- Waste at TT20-9 extends into road approximately 2 feet. Currently on standby waiting for Arcadis GPS troubleshooting.

1045- JP needs to relocate base station to NE corner of landfill.

1050- Begin backfilling TT20-4.

1100- Backfilled TT20-4. Mobilizing to TT20-5 for backfill.

1120- Backfilled TT20-5.

1122- Phone call w/ JP, he is checking another control point after moving base station to control point at NE corner.

1150- Backfilled TT20-7.

1200- Backfilled TT20-8.

1215- Backfilled TT20-9.

1220- Surveyor onsite for GPS troubleshooting – radio is not communicating w/ base station so coverage area is limited.

1310- Surveyor still onsite w/ Arcadis for troubleshooting.

1320- Surveyor needs to go home to obtain another cable and antenna. Survey equipment has capability to survey points closer to the base station. JF has suggested to install/stakeout interior pit locations.

1325- TT20-10 backfilled.

1335- TT20-11 backfilled.

1340- TT20-12 backfilled. Currently on standby due to GPS troubleshooting for long-range capabilities, and interior/closer points have not yet been surveyed as suggested.

1400- [REDACTED] and surveyor back onsite.

1430- [REDACTED] resumes GPS logging of trenches for backfill. Issue was apparently a bad antenna.

1445- TT20-13 backfilled.

1455- TT20-14 backfilled.

1505- TT20-15 backfilled. [REDACTED] mechanic onsite for maintenance on excavator. AR departs to meet at entrance.

1510- JF and JP begin staking out Cell 5 internal locations.

1600- Excavator repaired, AR begins backfilling TT20-18.

1607- TT20-18 backfilled.

1620- TT20-16 backfilled.

1630- TT20-17 backfilled.

1700- All perimeter trench locations have been logged and backfilled. All 22 interior trench locations at Cell 5 have been located and staked.

1730- Field crew departs site. Work will resume on Monday 5/17.

Comments: TT20-18 was the final perimeter trench remaining and was completed; all other open perimeter trenches were subsequently logged via GPS and backfilled following eventual successful troubleshooting of the range of the RTK-GPS system. All Cell 5 interior locations were located and staked for excavation operations to resume on Monday May 17.

Completed By: [REDACTED]

Title: Geologist

Reviewed By: [REDACTED]

Title: Quality Control Manager

PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project:
Limit of Waste Investigation
Fort Bliss Municipal Solid Waste Landfill

Location:
Fort Bliss, El Paso, Texas

Date:
14 May 2021

Photograph No.

1

Description:

Backfilling operations
at TT20-19, looking
east.



PHOTOGRAPHIC LOG

Fort Bliss Municipal Solid Waste Landfill

Project:
Limit of Waste Investigation
Fort Bliss Municipal Solid Waste Landfill

Location:
Fort Bliss, El Paso, Texas

Date:
14 May 2021

Photograph No.

2

Description:

Backfilling and
grading at TT20-20,
looking north.



PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 14 May 2021
--	--	-----------------------------

Photograph No.

3

Description:

Road grading following backfilling of TT20-3, looking west.



PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 14 May 2021
--	--	-----------------------------

Photograph No.

4

Description:

Backfill completion at TT20-14, looking west.





Date: 17 May 2021

DAILY QUALITY CONTROL REPORT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	X					

Onsite Hours	9.00 hours
Travel Time	1.50 hours
Office Hours	3.00 hours

Site Name	Fort Bliss Municipal Solid Waste Landfill	Weather		
USACE Contract No.	W912BV-19-D-0012 Task Order No. W912BV20F0183	Temperature	68F – 84F	
Project Manager	[REDACTED]	Wind	5 mph – 30 mph	Report No. 06
Field Personnel	[REDACTED]	Humidity	9%	

AAJV personnel onsite: [REDACTED]	
Subcontractors onsite: [REDACTED]	
Visitors onsite: None	
Equipment onsite: Case 580N 10360141 Backhoe, Trimble GPS Base Station and Rover, RAE 5-gas monitor	
Health and Safety Briefing/Topic Discussed:	
Planned Site Activities: Trenching and Excavation	Physical Safety Hazards: Heat stress, blowing dust, backhoe operations
Site Communication/Responsibilities	Biological Safety Hazards: Snakes and spiders
Emergency Procedures/Routes	Chemical Hazards: None
First Aid Procedures	Respirator Use: Dust mask, if required
Level of PPE: D	Exclusion Zone Procedures: None
Explosive & Fire Hazards: Low	
Site Activities:	
0650- [REDACTED] arrives onsite to open gates, prep paperwork.	
0710- [REDACTED]) arrives onsite to begin setting up RTK-GPS base station.	
0725- [REDACTED]) arrives onsite.	
0730- Conduct H&S Tailgate Safety Meeting, calibrate gas meter, plan day's activities.	
0735- JF and AR depart for Cell 5 to begin interior trenches. JP departs for Cell 1 to continue staking remain interior trench locations.	
1025- All 22 interior trench locations at Cell 5 have been completed; 9 locations need backfilling with excavator, the other 13 locations were located in areas of surficial exposed waste that were extended to 6 inches bgs. JP about to finish surveying all stakes, except for the 10 'time permitting' locations.	
1040- JP currently surveying completed interior locations w/ AR backfilling where necessary. All three geotechnical samples in Cell 5 have been collected at IT20-30, IT20-40, and IT20-50.	
1145- Cell 5 locations have all been surveyed and backfilled.	
1200- Crew takes lunch.	
1230- JF back onsite.	
1315- JP and AR back onsite.	

1330- Resume interior point excavations and surveying, beginning at Cell 1.

1530- Completed excavations and logging, survey, and backfill of Cell 1, Cell 3, and 8 locations in Cell 4. Sampled IT20-10 and IT20-20 for geotechnical analysis.

1540- JP and AR depart site.

1600- JF departs site.

Comments: 13 locations remain at Cell 4 to excavate, survey, and log.

Completed By: [REDACTED]

Title: Geologist

Reviewed By: [REDACTED]

Title: Quality Control Manager

PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 17 May 2021
--	--	-----------------------------

Photograph No. 1	
Description: Interior pothole location IT20-49 with plastic debris at bottom, looking north.	

PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 17 May 2021
--	--	-----------------------------

Photograph No. 2	
Description: Interior location IT20-35, scraped to 6 inches with visible waste on surface, looking east.	

PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 17 May 2021
--	--	-----------------------------

Photograph No.

3

Description:

Surveying debris at IT20-09, looking north.



PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 17 May 2021
--	--	-----------------------------

Photograph No.

4

Description:

Surface completion at IT20-145, looking northwest.





Date: 18 May 2021

DAILY QUALITY CONTROL REPORT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		X				

Onsite Hours	5.00 hours
Travel Time	1.50 hours
Office Hours	5.00 hours

Site Name	Fort Bliss Municipal Solid Waste Landfill	Weather		
USACE Contract No.	W912BV-19-D-0012 Task Order No. W912BV20F0183	Temperature	64F – 80F	
Project Manager	[REDACTED]	Wind	5 mph – 30 mph	Report No. 07
Field Personnel	[REDACTED]	Humidity	12%	

AAJV personnel onsite:	[REDACTED]
Subcontractors onsite:	[REDACTED]
Visitors onsite:	None
Equipment onsite:	Case 580N 10360141 Backhoe, Trimble GPS Base Station and Rover, RAE 5-gas monitor
Health and Safety Briefing/Topic Discussed:	
Planned Site Activities: Trenching and Excavation	Physical Safety Hazards: Heat stress, blowing dust, backhoe operations
Site Communication/Responsibilities	Biological Safety Hazards: Snakes and spiders
Emergency Procedures/Routes	Chemical Hazards: None
First Aid Procedures	Respirator Use: Dust mask, if required
Level of PPE: D	Exclusion Zone Procedures: None
Explosive & Fire Hazards: Low	

Site Activities:

0645- [REDACTED] arrives onsite to open gates, prep paperwork, equipment calibration.

0710- [REDACTED] arrives onsite to begin setting up RTK-GPS base station.

0715- [REDACTED] arrives onsite.

0720- Conduct H&S Tailgate Safety Meeting, plan day's activities.

0730- Resume interior trench location surveys at Cell 4 (13 remaining locations).

0900- Completed originally planned interior trench locations. Begin 10 "time permitting" interior trench locations (three at Cell 5, seven at Cell 1).

1030- Complete all 10 "time permitting" interior trench locations. AR calls [REDACTED] to schedule excavator pickup.

1050- AR departs site. JP currently collecting stakes at various areas.

1120- JF transfers geotechnical samples to [REDACTED] for holding and lab delivery. JP departs site.

1130- JF departs site for hotel paperwork and photo organization.

[Empty space for notes or drawings]

Comments: Field work has concluded, all perimeter and interior trench locations have been excavated, logged, surveyed, and backfilled.

Completed By: [Redacted]

Title: Geologist

Reviewed By: [Redacted]

Title: Quality Control Manager



PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 18 May 2021
--	--	-----------------------------

Photograph No.

1

Description:

Excavating IT20-07,
looking south.



PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 18 May 2021
--	--	-----------------------------

Photograph No.

2

Description:

Surveying waste at
IT20-23 following
excavation, looking
north.



PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 18 May 2021
--	--	-----------------------------

Photograph No.

3

Description:

Excavation at IT20-55 showing buried asphalt, looking east.



PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 18 May 2021
--	--	-----------------------------

Photograph No.

4

Description:

Excavated trash at IT20-60, looking north.



1450- Begin trenching TT20-30.

1515- Begin trenching TT20-31.

1535- Begin trenching TT20-32. Had to offset 3 feet east due to pole.

1600- Begin trenching TT20-33.

1620- Begin trenching TT20-34.

1640- End of additional perimeter trenches.

1650- AR and JF depart site. All additional trenches have been cordoned off with caution tape.

Comments: Additional data gap trenches, 9 in total, were surveyed and excavated: TT20-26 through TT20-34. Trenches were cordoned off with caution tape, and encountered limits of waste will be surveyed tomorrow, and trenches will subsequently be backfilled.

Completed [REDACTED]


Title: Geologist

Reviewed By: [REDACTED]

Title: Quality Control Manager

PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 20 May 2021
--	--	-----------------------------

Photograph No. 1	
Description: Perimeter trench TT20-28 looking east.	

PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 20 May 2021
--	--	-----------------------------

Photograph No. 2	
Description: Excavating perimeter trench TT20-30, looking north.	

PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 20 May 2021
--	--	-----------------------------

Photograph No. 3	
Description: Excavation of perimeter trench TT20-32, adjacent to landfill pole.	

PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 20 May 2021
--	--	-----------------------------

Photograph No. 4	
Description: Cordoned off perimeter trench at TT20-33, looking northeast.	



Date: 21 May 2021

DAILY QUALITY CONTROL REPORT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					X	

Onsite Hours	3.00 hours
Travel Time	6.00 hours
Office Hours	2.00 hours

Site Name	Fort Bliss Municipal Solid Waste Landfill	Weather		
USACE Contract No.	W912BV-19-D-0012 Task Order No. W912BV20F0183	Temperature	73F – 82F	
Project Manager	[REDACTED]	Wind	10 mph – 20 mph	Report No. 09
Field Personnel	[REDACTED]	Humidity	10%	

AAJV personnel onsite: [REDACTED]	
Subcontractors onsite: [REDACTED]	
Visitors onsite: None	
Equipment onsite: Case 580N 10360141 Backhoe, Trimble GPS Base Station and Rover, RAE 5-gas monitor	
Health and Safety Briefing/Topic Discussed:	
Planned Site Activities: Trenching and Excavation	Physical Safety Hazards: Heat stress, blowing dust, backhoe operations
Site Communication/Responsibilities	Biological Safety Hazards: Snakes and spiders
Emergency Procedures/Routes	Chemical Hazards: None
First Aid Procedures	Respirator Use: Dust mask, if required
Level of PPE: D	Exclusion Zone Procedures: None
Explosive & Fire Hazards: Low	
Site Activities:	
0650- [REDACTED] (JF) onsite to open gates, equipment calibration.	
0715- [REDACTED]) arrives onsite to set up base station and collect control points.	
0740- [REDACTED]) arrives onsite. Perform H&S Tailgate Meeting, plan day's activities.	
0745- JP begins collecting Limit of Waste points at additional perimeter trenches.	
0750- TT20-26 has been surveyed and backfilled.	
0758- TT20-27 has been surveyed and backfilled.	
0803- TT20-28 has been surveyed and backfilled.	
0808- TT20-29 has been surveyed and backfilled.	
0813- TT20-30 has been surveyed and backfilled.	
0824- TT20-31 has been surveyed and backfilled.	
0830- TT20-32 has been surveyed and backfilled.	
0835- TT20-33 has been surveyed and backfilled.	

0842- TT20-34 has been surveyed and backfilled.

0900- Fieldwork has been completed, crew departs site. Excavator has been left outside of fencing for [REDACTED] pickup.

Comments: Additional data gap trenches, 9 in total, were surveyed and backfilled: TT20-26 through TT20-34. All caution tape and stakes have been removed. Base station was taken down; however, control points were left in place, as well as padlocks for the gates, for future [REDACTED] removal.

Completed By: [REDACTED]

Title: Geologist

Reviewed By: [REDACTED]

Title: Quality Control Manager

PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 21 May 2021
--	--	-----------------------------

Photograph No.

1

Description:

Backfilling additional perimeter trench TT20-27 following waste survey, looking west.



PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 21 May 2021
--	--	-----------------------------

Photograph No.

2

Description:

Surveying limit of waste in additional perimeter trench TT20-28, looking southwest.



PHOTOGRAPHIC LOG
Fort Bliss Municipal Solid Waste Landfill

Project:
Limit of Waste Investigation
Fort Bliss Municipal Solid Waste Landfill

Location:
Fort Bliss, El Paso, Texas

Date:
21 May 2021

Photograph No.

3

Description:

Backfilling additional perimeter trench TT20-29 following waste survey, looking northwest.



PHOTOGRAPHIC LOG

Fort Bliss Municipal Solid Waste Landfill

Project:
Limit of Waste Investigation
Fort Bliss Municipal Solid Waste Landfill

Location:
Fort Bliss, El Paso, Texas

Date:
21 May 2021

Photograph No.

4

Description:

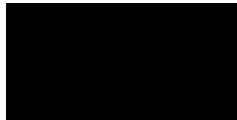
Additional perimeter trench TT20-34, looking east, prior to survey and backfilling.



This page intentionally left blank.



A4. Field Activity Reports




This page intentionally left blank.

FIELD ACTIVITY REPORT

Project: MSWLF Limit of Waste Investigation- Fort Bliss, TX	Date: 5/10/21	Page 1 of 1
Client: USAFE	Contract No:	TO No:
Work Description: <u>Low 1</u>		
Subcontractors/Visitors:		
Weather: <u>Sunny clear breeze</u>		

DESCRIPTION OF FIELD ACTIVITIES AND EVENTS

0720 - DS depart for Site
0745 - DS arrive onsite - meet GF & JP ; JP assist Carter setting up survey equipment
0800 - [redacted] arrive onsite
0840 - [redacted] from Blvd rd
0900 - Complete safety brief; Field members present to begin training activities on each respective site. [redacted] depart
0955 - Began from TT20-21
1010 - [redacted] Spoke w/ Scott at Aranda - no waste identified above start of cover - may be [redacted] ok to dig into LF cover
1044 - Begin backfilling TT20-21. Waste encountered at approx 15' from edge of cover. [redacted]
1110 - Begin TT20-22. Waste encountered w/ 10' trench
1130 - Waste defined at TT20-22. Begin backfilling & proceed to TT20-23
1155 - Start TT20-23; Gravelt offset ~12.15
1230 - Finish TT20-23 with ex. backfilled & grouted
1240 - Gravelt offset for 1 inch
1330 - [redacted] on site. Safety & begin at TT20-24
1420 - TT20-24 Waste amount @ ~5ft
1505 - Begin TT20-25. moved south from orig location to be away from power lines
1515 - Excavate work approx 1.5 ft by [redacted] ^{excavate} is limited to the west by [redacted] power lines. [redacted] extent considered as noted. (60' south of orig)
1600 - [redacted] off site
1610 - DS offsite after survey over

Prepared by: [redacted]	Signature: 	Date: 5/10/21
-------------------------	---	---------------

FIELD ACTIVITY REPORT

Project: MSWLF Limit of Waste Investigation- Fort Bliss, TX	Date: 5/11/21	Page (of 1
Client: USACE	Contract No:	TO No:
Work Description: Trenching / Excavation		
Subcontractors/Visitors: [REDACTED]		
Weather: clear / sunny / breezy		

DESCRIPTION OF FIELD ACTIVITIES AND EVENTS

0700 - DS depart for site

0730 - DS arrive at site & meet [REDACTED]

0745 - [REDACTED] JP site - Survey equipment not charged. Will make out until start across the will leave excavations open to survey tomorrow

0750 - Daily tailgate - refresh smokes.

0815 - Calibrate gas meter - LEL/CO/H₂S/O₂ - All sensors pass

0830 - Begin trenching TT20-01

0855 - Complete TT20-01 - manual cover, waste default. Ex left open due to inoperability of survey equipment

0905 - Begin TT20-02

0925 - Complete TT20-02 - waste default @ indentation of meter & cover. Ex remains open

0945 - Begin TT20-03 into steep slope

1005 - Complete TT20-03 - excavations left open to survey later

1010 - Begin TT20-04 into steep slope

1030 - Complete TT20-04, excavations open. Waste observed at location of limit posts.

1130 - [REDACTED] discuss TT20-05 w/ [REDACTED] excavator located in extent due to slope & proximity to face. Will move 30 feet west where slope is less steep & dig in further southward

1200 - [REDACTED] offsite for lunch

1240 - [REDACTED] with DPW onsite to check in

1245 - [REDACTED] arrive

1255 - Begin backfilling TT20-05 to relocate westward.

1350 - Begin TT20-05-2, located 30 ft west of TT20-05

1420 - Complete TT20-05-2, waste approx 3ft outside of marked limit

1427 - Begin TT20-06

1438 - at TT20-06 (as specified), no waste to native within reach of backhoe. Backfill & will relocate westward to because of less slope to increase depth into LF.

1515 - Begin TT20-06 28 ft west of original marked location

1525 - [REDACTED] onsite. Check in / [REDACTED] Rod & team.

1545 - [REDACTED] offsite. Ex TT20-06 Complete - no waste observed

1550 - JP offsite; [REDACTED] TT20-06 moved 28 ft west of original location. No waste to depth of 3.5 ft from top of bench & to native. 9ft surface pasted but of Colfill. No waste except / small pieces.

1610 - TT20-06 closed, stated & will be surveyed tomorrow; 1615 - All offsite

1640 - DS offsite after meeting back of TT20-06 & cleanup site. All access points locked

Prepared by: [REDACTED]	Signature: [REDACTED]	Date: 5/11/21
-------------------------	-----------------------	---------------