

Test Trench Log - Fort Bliss Landfill - Perimeter _____ or Interior X

Project Name and No.: MSWLF - Limit of Waste Investigation, Fort Bliss, TX

Test Pit No. IT20-53 Direction Advanced down

Date Excavated: 5-18-20

Weather: Breezy, clear

Date Backfilled: 5-18-20

Weather: 75°F

Contractor: Ve [redacted]

Machine: Case 580N

Operator: [redacted]

Bucket Width: 2 ft

Logged By: [redacted]

Depth (ft): Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations

0																			
1	fill																		
2		plastic																	
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
Width (ft):	0	2	4	6	8	10	12	14	16	18	20								

USCS characterization of soils encountered: CW Sample Taken: No

GPS coordinates of limit of waste or depth to waste (circle): N _____ E _____ EL. _____ Trimble Unit No. _____

Test Trench Log - Fort Bliss Landfill - Perimeter _____ or Interior X

Project Name and No.: MSWLF - Limit of Waste Investigation, Fort Bliss, TX

Date Excavated: 5-18-21

Weather: Breezy, clear

Test Pit No. IT20-54 Direction Advanced Down

Date Backfilled: 5-18-21

Weather: 75°F

Start Location: N _____ E _____ El. _____

Contractor: [REDACTED]

Machine: CASE 580N

Operator: [REDACTED]

Bucket Width: 2 ft

Logged By: [REDACTED]

Depth (ft): Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations

0																			
1	Fill	⊗ asphalt																	
2		⊗ plastic																	
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
Width (ft):	0	2	4	6	8	10	12	14	16	18	20								

USCS characterization of soils encountered: SW Sample Taken: No

GPS coordinates of limit of waste or depth to waste (circle): N _____ E _____ El. _____ Trimble Unit No. _____

Test Trench Log - Fort Bliss Landfill - Perimeter _____ or Interior X

Project Name and No.: MSWLF - Limit of Waste Investigation, Fort Bliss, TX

Date Excavated: 5-18-21

Weather: windy, clear

Date Backfilled: 5-18-21

Weather: 75°F

Contractor: [REDACTED]

Machine: Case 580N

Operator: [REDACTED]

Bucket Width: 2 ft

Test Pit No. IT20-55 Direction Advanced down

Start Location: N _____ E _____ El. _____

Logged [REDACTED]

Depth (ft): Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations

0																			
1	unconsol. fill																		
2																			
3	asphalt 6 in thick																		
4																			
5																			
6																			
7																			
8																			
9																			
10																			
Width (ft):	0	2	4	6	8	10	12	14	16	18	20								

USCS characterization of soils encountered: GW Sample Taken: No

GPS coordinates of limit of waste or depth to waste (circle): N _____ E _____ El. _____ Trimble Unit No. _____

Date Excavated: 5-18-21

Weather: Breezy, clear

Date Backfilled: 5-18-21

Weather: 75°F

Contractor: [REDACTED] [REDACTED]

Machine: Case 580 N

Operator: [REDACTED]

Bucket Width: 2 ft

Test Pit No. IT20-56 Direction Advanced down

Start Location: N _____ E _____ El. _____

Logged By: [redacted]

Depth (ft): Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations

0																				
1	unconsol. fill	⊗ plastic (8", 0.2)																		
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
Width (ft):	0	2	4	6	8	10	12	14	16	18	20									

USCS characterization of soils encountered: GW Sample Taken: No

GPS coordinates of limit of waste or depth to waste (circle): N _____ E _____ EL. _____ Trimble Unit No. _____

Test Trench Log - Fort Bliss Landfill - Perimeter _____ or Interior x

Project Name and No.: MSWLF - Limit of Waste Investigation, Fort Bliss, TX

Test Pit No. IT20-57 Direction Advanced down

Date Excavated: 5-18-21

Weather: Breezy, clear

Date Backfilled: 5-18-21

Weather: 75°F

Contractor: [Redacted]

Machine: Case 580N

Operator: [Redacted]

Bucket Width: 2 ft

Start Location: N _____ E _____ El. _____

Logged By: [Redacted]

Depth (ft): Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations

0	some cans, other surface debris																			
1	unconsol. fill	@ plastic																		
2		@ asphalt																		
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
Width (ft):	0	2	4	6	8	10	12	14	16	18	20									

USCS characterization of soils encountered: GW Sample Taken: No

GPS coordinates of limit of waste or depth to waste (circle): N _____ E _____ El. _____ Trimble Unit No. _____

Test Trench Log - Fort Bliss Landfill - Perimeter _____ or Interior X

Project Name and No.: MSWLF - Limit of Waste Investigation, Fort Bliss, TX

Date Excavated: 5-18-21

Weather: Breezy, clear

Test Pit No. IT20-58 Direction Advanced Down

Date Backfilled: 5-18-21

Weather: 75°F

Start Location: N _____ E _____ El. _____

Contractor: [REDACTED]

Machine: Case 580N

Operator: [REDACTED]

Bucket Width: 2 ft

Logged By: [REDACTED]

Depth (ft):

Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations

0																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
Width (ft):	0	2	4	6	8	10	12	14	16	18	20								

USCS characterization of soils encountered: GW Sample Taken: No

GPS coordinates of limit of waste or depth to waste (circle): N _____ E _____ El. _____ Trimble Unit No. _____

Test Trench Log - Fort Bliss Landfill - Perimeter _____ or Interior X

Project Name and No.: MSWLF - Limit of Waste Investigation, Fort Bliss, TX

Date Excavated: 5-18-21

Weather: Breezy, clear

Test Pit No. IT20-59 Direction Advanced Down

Date Backfilled: 5-18-21

Weather: 75°F

Start Location: N _____ E _____ EL. _____

Contractor: [REDACTED]

Machine: Case 580N

Operator: [REDACTED]

Bucket Width: 2 ft

Logged By: [REDACTED]

Depth (ft): Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations

0																			
1	unconsol. fill																		
2		plastic waste																	
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
Width (ft):	0	2	4	6	8	10	12	14	16	18	20								

USCS characterization of soils encountered: GW Sample Taken: No

GPS coordinates of limit of waste or depth to waste (circle): N _____ E _____ EL. _____ Trimble Unit No. _____

Test Trench Log - Fort Bliss Landfill - Perimeter _____ or Interior X

Project Name and No.: MSWLF - Limit of Waste Investigation, Fort Bliss, TX

Date Excavated: 5-18-21

Weather: Breezy, 75°F

Date Backfilled: 5-18-21

Weather: clear

Contractor: [REDACTED]

Machine: Case 580N

Operator: [REDACTED]

Bucket Width: 2 ft

Test Pit No. IT 20-60 Direction Advanced Down

Start Location: N _____ E _____ El. _____

Logged By: [REDACTED]

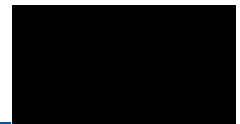
Depth (ft): Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations

0																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
Width (ft):	0	2	4	6	8	10	12	14	16	18	20								

USCS characterization of soils encountered: GW

Sample Taken: No

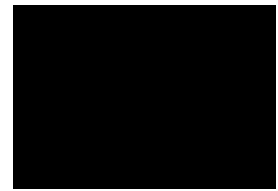
GPS coordinates of limit of waste or depth to waste (circle): N _____ E _____ El. _____ Trimble Unit No. _____



A3. Daily Quality Control Reports



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Date: 10 May 2021

DAILY QUALITY CONTROL REPORT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	X					

Onsite Hours	8.50 hours
Travel Time	0.75 hour
Office Hours	2.50 hours

Site Name	Fort Bliss Municipal Solid Waste Landfill	Weather	
USACE Contract No.	W912BV-19-D-0012 Task Order No. W912BV20F0183	Temperature	71F – 88F
Project Manager		Wind	5 mph – 35 mph
Field Personnel		Humidity	10% - 15%
		Report No.	01

AAJV personnel onsite:	
Visitors onsite: None	
Equipment onsite: Case 580N 10360141 Backhoe, Trimble GPS Unit, 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:	
0720-) persone) depart hotel for Fort Bliss Municipal Solid Waste Landfill (MSWLF) Site.	
0745- DS arrive onsite and meet Arcadis personnel and , who have been onsite setting up survey equipment.	
0800- , backhoe operator from Field personnel review Site and planned work and begin site safety kickoff meeting.	
0840- c. onsite.	
0900- Initial safety meeting complete and all personnel proceed to prepare to begin respective roles towards the completion of the project. departs Site prior to beginning excavation activities.	
0955- Begin trenching activities at designated location TT20-21.	
1010- GF spoke with regarding observations where no waste was observed outside of the obvious landfill cover. Crew was authorized to proceed eastward and excavate into and operate on the existing landfill cover.	
1044- Begin backfilling TT20-21 following logging and mapping of observed waste, which was located approximately 15 feet from the outer edge of the landfill cover.	
1110- Begin trenching at TT20-22; waste encountered within landfill cover.	
1130- Logging and survey data complete at TT20-22. Begin backfilling to grade and proceed to TT20-23.	

1155-Begin trenching at TT20-23.

1215- GF departs Site and may return later in the week.

1230- Waste logged and surveyed at TT20-23. Trench backfilled and returned to grade within landfill cover.

1240- Personnel offsite for lunch. DS remained onsite to drive entire area and lunch.

1330- All personnel return to Site; setup and begin trenching at TT20-24.

1420- Waste encountered, begin logging, surveying, and backfilling trench back to original grade.

1505- Due to overhead powerlines, actual location for TT20-25 was moved approximately 60 feet southward to ensure adequate distance between the backhoe and the overhead powerlines.

1515- Waste encountered approximately 1.5 feet below grade near western extent of the trench (TT20-25). Due to the presence of overhead powerlines, the backhoe was limited in the availability to move westward and the trenching was terminated at that point. After logging and surveying, the trench was backfilled and returned to the original grade.

1600- [REDACTED] offsite and will return tomorrow at 0730

1610- DS departs Site after locking the landfill gate with a new lock daisy-chained inline for [REDACTED]. Jersey barriers at road also locked with an additional lock daisy-chained inline for [REDACTED] access.


Comments: Five perimeter trenches, TT20-21, TT20-22, TT20-23, TT20-24, and TT20-25 complete. Field crew will proceed to TT20-01 and continue completing perimeter trenches along the northern boundary of the MSWLF in the morning.


Completed By: [REDACTED]


Title: Geologist


viewed By: [REDACTED]


Title: Quality Control Manager


<div style="background-color: black; width: 100px; height: 40px; margin-bottom: 5px;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 10 May 2021
Photograph No. <div style="text-align: center;">1</div>		
Description: Preparing to begin trenching at TT20-21, facing south.		

<div style="background-color: black; width: 100px; height: 40px; margin-bottom: 5px;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 10 May 2021
Photograph No. <div style="text-align: center;">2</div>		
Description: Plastic trash and rope observed within trench TT20-21 at the right side (east) of the trench. Surveying the western extent of waste within the trench, facing north.		

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 15%; height: 40px; background-color: black;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 10 May 2021
Photograph No. 3		
Description: Facing northeast towards the backfilled and graded area where trench TT20-22 was located.		

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 15%; height: 40px; background-color: black;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 10 May 2021
Photograph No. 4		
Description: Extent excavation and plastic waste observed within trench TT20-23, facing west.		

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 15%; height: 40px; background-color: black;"></div> <div> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 10 May 2021
Photograph No. 5		
Description: Original location of planned trench TT20-25 was approximately 50 ft east of where the survey staff is located, facing northeast. Trench relocated due to overhead utilities.		

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 15%; height: 40px; background-color: black;"></div> <div> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 10 May 2021
Photograph No. 6		
Description: Actual location of trench TT20-25 while being backfilled to grade, facing northeast.		

Date: 11 May 2021

DAILY QUALITY CONTROL REPORT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		X				

Onsite Hours	9.25 hours
Travel Time	0.75 hour
Office Hours	2.25 hours

Site Name	Fort Bliss Municipal Solid Waste Landfill	Weather	
USACE Contract No.	W912BV-19-D-0012 Task Order No. W912BV20F0183	Temperature	70F – 90F
Project Manager		Wind	15 mph – 30 mph
Field Personnel		Humidity	5% - 15%
			Report No. 02

AAJV personnel onsite: [REDACTED]	
Subcontractors onsite: [REDACTED]	
Visitors onsite: [REDACTED] Fort Bliss DPW [REDACTED]	
Equipment onsite: Case 580N 10360141 Backhoe, Trimble GPS Unit, 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:	
0700- [REDACTED] personnel [REDACTED] depart hotel for Fort Bliss Municipal Solid Waste Landfill (MSWLF) Site.	
0730- DS arrive onsite and meet [REDACTED] backhoe operator from [REDACTED] at gate.	
0745- [REDACTED] personnel [REDACTED] arrive onsite after troubleshooting surveying equipment. Due to inoperable charger, the surveying equipment had a limited amount of operating time for the day. Plan for the day was to mark all available perimeter trenches to be excavated before the survey equipment no longer operated. Excavations were to remain opened overnight, and all survey points will be collected tomorrow when the replacement equipment arrives.	
0750- Daily safety tailgate meeting: Main topic covered was biological hazards and avoidance. At arrival, a large rattlesnake was present near the Site entry.	
0815- RAE 5-gas meter calibrated to oxygen, hydrogen sulfide, carbon monoxide, and methane. All sensors passed.	
0830- Begin trenching activities at designated location TT20-01.	
0855- Complete trenching activities at TT20-01; minimal landfill cover was observed, and waste was observed. Excavation was left open due to the limited operating time on the surveying equipment. Caution tape was installed around the perimeter of the excavation and will be surveyed upon receipt of replacement equipment and will be backfilled afterward.	
0905- Begin trenching at TT20-02.	
0925- Complete trenching at TT20-02; waste defined at interface of native material and landfill cover. Excavation left open and caution tape installed around the perimeter later in the day.	

0945- Begin trenching at TT20-03 within steep slope.

1005- Complete trenching at TT20-03; waste observed, and trench left open, pending survey tomorrow, caution tape installed around perimeter.

1010- Begin trenching at TT20-04 within steep slope.

1030- Complete trenching at TT20-04; waste observed at the large white post that designates the edge of the landfill. Excavation remains open with caution tape installed around perimeter, pending survey tomorrow. Relocate to begin trenching at TT20-05 within steep slope.

1130- During trenching at TT20-05, the backhoe had reached its extent due to the narrow separation between the steep slope of landfill and the fence line. No waste was observed above native soil. JP spoke with [REDACTED], and it was decided to move 30 feet westward where the slope was shallower and excavate further southward into the landfill.

1200- JP and [REDACTED] for lunch, DS remain onsite.

1240- [REDACTED] with Fort Bliss Directorate of Public Works onsite to check in. Discussed progress so far, status of excavations completed today, and [REDACTED] departed to review Site conditions after all field crew returned.

1245- JP and JR return to Site.

1305- Began backfilling excavation for TT20-05 where no waste was observed within the limitations of the backhoe. Trench backfilled to existing grade.

1350- Begin trenching TT20-05-2, 30 feet west of the original location.

1420- Complete trenching at TT20-05-2; waste observed approximately 3 feet outside of the white post that designates the limit of the landfill. Excavation left open and caution tape to be installed around the perimeter until it is surveyed.

1427- Begin trenching TT20-06.

1438- Similar to TT20-05, no waste was observed to native soil base or the lateral limit of the backhoe at TT20-06. Trench backfilled and relocated 28 feet westward to an area with a gentler slope.

1515- Begin trenching TT20-06-2, 28 feet west of the original location.

1525- [REDACTED] onsite to check in.

1545- [REDACTED] offsite.

1550- No waste was observed in trench TT20-06-2. Trench extended 9 feet south of the white post that designates the limit of the landfill, and to native soil at a maximum depth of 8.5 feet below the top of the berm and landfill cover. As shown on Figure 2, "2020 Proposed Trench and Pit Locations", trench TT20-06 is shown at the eastern extent of the assumed cell boundary of Cell 3. No waste was observed at the proposed location (TT20-06) nor the second location (TT20-06-2) that was 28 feet west. Begin backfilling to existing grade. JP offsite.

1610- TT20-06-2 backfilled to the existing grade, the extents were logged on the field form prior to backfilling, and the northern and southern limits were staked and will be surveyed tomorrow.

1615- AR offsite and will return tomorrow at 0730.

1640- DS departs Site after ensuring all open excavations were sufficiently cordoned off and locking the landfill gate and jersey barriers at road.


Comments: Six perimeter trenches complete, TT20-01, TT20-02, TT20-03, TT20-04, TT20-05, and TT20-06 complete. No waste observed at TT20-06 nor at a secondary location 28 feet west. TT20-05 was relocated 30 feet west due to a lack of observed waste and the limits of the backhoe reach and proximity to the fence and landfill slope. Field crew will return in the morning and plan to survey open excavations, scraping out any extra material that may accumulate overnight. All excavations will then be backfilled to the existing grade and the crew will then proceed to TT20-07 and continue completing perimeter trenches along the northern boundary of the MSWLF.


Completed By: [REDACTED]


Title: Geologist


Reviewed By: [REDACTED]


Title: Quality Control Manager


<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 10%; background-color: black;"></div> <div> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 11 May 2021
Photograph No. 1		
Description: Rattlesnake hazard present onsite.		

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 10%; background-color: black;"></div> <div> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 11 May 2021
Photograph No. 2		
Description: Plastic trash observed within trench TT20-04 immediately at the white post for the landfill extent; facing southeast.		

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 10%; background-color: black;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 11 May 2021
Photograph No. 3		
Description: Facing south within the excavation for trench TT20-05 at the designated location. No waste observed to the extent of the backhoe.		

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 10%; background-color: black;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 11 May 2021
Photograph No. 4		
Description: Facing south within the excavation for trench TT20-05-2 at the alternate location, 30 feet west of TT20-05.		

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 10%; background-color: black;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 11 May 2021
Photograph No. 5		
Description: Facing south within the excavation for trench TT20-06-2 at the relocated position, 28 feet west of the designated location TT20-06. No waste observed.		

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 10%; background-color: black;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 11 May 2021
Photograph No. 6		
Description: Trench TT20-05-2 remaining open until replacement survey equipment arrives onsite. Caution tape installed around the perimeter, facing south. Typical.		



Date: 12 May 2021

DAILY QUALITY CONTROL REPORT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			X			

Onsite Hours	10.00 hours
Travel Time	1.50 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	60F – 80F
Project Manager		Wind	0 mph – 15 mph
Field Personnel		Humidity	20% - 60%
			Report No. 03

AAJV personnel onsite:	
Subcontractors onsite:	
Visitors onsite: None	
Equipment onsite: Case 580N 10360141 Backhoe, Trimble GPS Unit, 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:	
0700-) personnel) depart hotel for Fort Bliss Municipal Solid Waste Landfill (MSWLF) Site.	
0730- DS arrive onsite and meet), backhoe operator from) at gate, and) from Arcadis.	
0745- Daily safety tailgate meeting: Main topic covered was driving hazards and patience. Military convoys frequently travel along the main road to the Site at less than the posted civilian speed limit, which can be frustrating for up to 5 miles of travel, but convoys can be long and unsafe to pass. Following safety brief, JP depart Site to retrieve replacement survey equipment.	
0800- RAE 5-gas meter calibrated to oxygen, hydrogen sulfide, carbon monoxide, and methane. All sensors passed.	
0820- Backhoe relocated to begin trenching at TT20-11 and will return to TT20-07 later. Relocation was decided due to the favorable easterly wind that was ongoing in the morning. TT20-11 through TT20-14 were planned in order to minimize backhoe operator exposure to dust.	
0825- Begin trenching activities at designated location TT20-11.	
0855- Complete trenching activities at TT20-11; first indication of waste was wires approximately 22 feet west, within the white posts of the landfill. Excavation was left open, pending survey.	
0902- Begin trenching at TT20-12.	
0918- Complete trenching at TT20-12; Waste consisting of concrete aggregate, rock, metal, present at surface to approximately 10 feet beyond the landfill post, but not as far as the perimeter road. Excavation left open, pending survey. Relocate to TT20-13 and begin trenching.	

0958- Complete trenching at TT20-13; miscellaneous plastic waste observed. Trench left open, pending survey.

1025- Begin trenching at TT20-14.

1058- Complete trenching at TT20-14; miscellaneous metal and plastic waste observed. Trench left open, pending survey. Relocate back to TT20-07.

1115- Begin trenching at TT20-07.

1130- JP arrive onsite to check in. Replacement survey equipment that was scheduled to arrive today was delayed in transit and will not be available until tomorrow. An attempt will be made to use the existing equipment, if possible, later in the day.

1200- Complete trenching at TT20-07; long seam of miscellaneous asphalt and coarse sandy debris present. Trench left open, pending survey.

1215- All personnel offsite for lunch. Gate to landfill closed during absence to prevent unauthorized access.

1311- Begin trenching at TT20-08.

1400- Complete trenching at TT20-08; miscellaneous plastic waste observed. Trench left open, pending survey.

1409- Begin trenching at TT20-09 within steep slope.

1420- Trench at TT20-09 extended to the perimeter road and activities were halted. Waste present within the steep slope from the interface with the perimeter road, southward beyond 13 feet.

1438- DS spoke with [REDACTED] Project Manager. Trenching at TT20-09 will be on hold until we receive approval to excavate within the perimeter road, and until survey equipment is operable so that any excavation within the road can be closed soon afterward.

1445- JP onsite to attempt to survey with available equipment. Plan to survey open excavations and begin backfilling.

1515- TT20-09 excavation logged at current condition and left open, pending survey and decision on path forward. DS proceed to cordon off open trenches that were completed earlier in the day.

1635- Survey equipment could not be utilized, and no backfilling was able to be completed. JR offsite and will return tomorrow at 0800.

1715- JP offsite after troubleshooting survey equipment. A Control Point appeared to be inaccessible/inoperable and will need to be reevaluated tomorrow in order to proceed with survey. A new Control Point will be added tomorrow, and replacement survey equipment is scheduled to be delivered.

1730- DS departs Site after ensuring all open excavations were sufficiently cordoned off and locking the landfill gate and jersey barriers at road.


Comments: Six perimeter trenches complete, TT20-07, TT20-08, TT20-11, TT20-12, TT20-13, and TT20-14 complete. TT20-09 was also excavated but was halted at the interface with the perimeter road, pending availability of survey equipment and a decision on whether to proceed into the perimeter road or not. Field crew will return in the morning and plan to survey open excavations, scraping out any extra material that may accumulate overnight. All excavations will then be backfilled to the existing grade and the crew will then proceed to TT20-10 and continue completing perimeter trenches.


Completed By: [REDACTED]


Title: Geologist


Reviewed By: [REDACTED]

Title: Quality Control Manager

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 15%; height: 40px; background-color: black;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 12 May 2021
Photograph No. <div style="text-align: center;">1</div>		
Description: Asphalt debris seam along western side of trench TT20-07, facing north.		

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 15%; height: 40px; background-color: black;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 12 May 2021
Photograph No. <div style="text-align: center;">2</div>		
Description: Beginning excavation at TT20-09, facing east-southeast.		

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 15%; height: 40px; background-color: black;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 12 May 2021
Photograph No. <div style="text-align: center;">3</div>		
Description: Waste present within excavation at TT20-09 at the interface with the northern perimeter road, facing west.		

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 15%; height: 40px; background-color: black;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 12 May 2021
Photograph No. <div style="text-align: center;">4</div>		
Description: Trench TT20-07 remaining open until replacement survey equipment arrives onsite. Caution tape installed around the perimeter, facing south. Typical at all open excavations.		



Date: 13 May 2021

DAILY QUALITY CONTROL REPORT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				X		

Onsite Hours	10.00 hours
Travel Time	1.50 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	60F – 80F
Project Manager		Wind	0 mph – 15 mph
Field Personnel		Humidity	20% - 60%
			Report No. 04

AAJV personnel onsite:	
Subcontractors onsite:	
Visitors onsite: Surveyor	
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:	
0730-) personnel) depart hotel for Fort Bliss Municipal Solid Waste Landfill (MSWLF) Site.	
0755- DS arrives onsite.	
0800- (JR), backhoe operator from (JF) with arrive onsite.	
0815- Daily safety tailgate meeting: Main topic covered was heat stress. JF reviewed Accident Prevention Plan (APP) and Activity Hazard Analysis (AHAs).	
0820- from arrives onsite and went over daily safety tailgate. Discussed status of survey and replacement equipment is due to be delivered by 10:00am and should be onsite soon thereafter.	
0835- RAE 5-gas meter calibrated with bottled oxygen, hydrogen sulfide, carbon monoxide, and methane. All sensors passed. Begin trenching activities at TT20-10 in a southwesterly direction due to location in the northeast corner.	
0920- Following encountering waste within TT20-10, the dimensions were logged, and a geotechnical sample was collected from the top 0.5 feet above the hard caliche layer. Sample was collected in a 1-gallon Ziploc bag and will be held, pending submission to the laboratory. Excavation for TT20-10 was left open, pending survey.	
0925- Backhoe relocated to begin trenching at TT20-15.	
0937- Begin trenching activities at designated location TT20-15.	

1000- Complete trenching activities at TT20-15; JF logged the borehole while DS participated in the bi-weekly status call. Excavation was left open, pending survey.

1015 Bi-weekly status call complete.

1025- Complete activities at TT20-15; Trench was left open, pending survey.

1035- Begin trenching at TT20-16.

1100- Complete trenching at TT20-16; trench left open, pending survey. Relocate to TT20-17.

1130- Begin trenching at TT20-17.

1145- Complete trenching at TT20-17; waste encountered at interface with obvious landfill cover. Excavation was left open, pending survey.

1150- Begin trenching at TT20-19.

1200- [REDACTED] with [REDACTED] onsite to check in and deliver replacement survey equipment to JP.

1215- Complete activities at TT20-19; no waste observed beyond the asphalt visible at the surface. Trench was left open, pending survey.

1245- DS departed Site and JF will remain onsite for the duration of the project.

1330- Begin trenching at TT20-20.

1345- Complete trenching at TT20-20; Following encountering waste within TT20-20, the dimensions were logged, and a geotechnical sample was collected from the top 0.5 feet above the hard caliche layer. Sample was collected in a 1-gallon Ziploc bag and will be held, pending submission to the laboratory. Trench was left open, pending survey.

1400- JF inquired [REDACTED] if TT20-18 had been surveyed, as it appeared unmarked in the field. TT20-18 was not surveyed/marked for trenching. Trenching/holding operations are on hold, as survey equipment is not functioning properly, real time troubleshooting is taking place with [REDACTED] and survey company where equipment is rented from. JF informs [REDACTED] that field operations are on hold indefinitely.

1600- [REDACTED] (operator) departs site. [REDACTED] personnel stay on site to meet with surveyor at approx. 1800 to troubleshoot GPS equipment. JF departs site.

1800- JF speaks with [REDACTED] personnel onsite; surveyor will be onsite at approx. 1810 to troubleshoot equipment. All personnel will meet onsite tomorrow morning at 0730.

All open trenches were taped off prior to leaving the site for the day.


Comments: Six perimeter trenches complete, TT20-10, TT20-15, TT20-16, TT20-17, TT20-19, and TT20-20 complete.


Completed By: [REDACTED]

Title: Geologist

Reviewed By: [REDACTED]

Title: Quality Control Manager

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 10%; background-color: black; height: 40px;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 13 May 2021
Photograph No. <div style="text-align: center;">1</div>		
Description: <div style="background-color: black; width: 40px; height: 15px; display: inline-block;"></div> personnel collecting geotechnical sample at TT20-10, facing east.		

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 10%; background-color: black; height: 40px;"></div> <div style="text-align: center;"> PHOTOGRAPHIC LOG Fort Bliss Municipal Solid Waste Landfill </div> </div>		
Project: Limit of Waste Investigation Fort Bliss Municipal Solid Waste Landfill	Location: Fort Bliss, El Paso, Texas	Date: 13 May 2021
Photograph No. <div style="text-align: center;">2</div>		
Description: Excavating at TT20-20, facing north.		



Date: 14 May 2021

DAILY QUALITY CONTROL REPORT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					X	

Onsite Hours	10.00 hours
Travel Time	1.50 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	64F – 90F
Project Manager		Wind	0 mph – 15 mph
Field Personnel		Humidity	20% - 60%
			Report No. 05

AAJV personnel onsite:	
Subcontractors onsite:	
Visitors onsite: Surveyor,	
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:	
0715- (JF) onsite to open gates.	
0730-) on site and prepared excavator for the day's activities.	
0735-) onsite to begin setting up RTK-GPS base station.	
0750- RTK is functional, navigating to TT20-18 location to mark for trenching.	
0810- Begin trenching TT20-18.	
0830- Complete trenching and logging TT20-18. JF confirms w/ JP that TT20-19 and TT20-20 are ready for backfill.	
0840- Backfilled TT20-19.	
0845- Backfilled TT20-20. JP currently collecting GPS coordinates for open trenches on north end of landfill.	
0855- Backfilled TT20-1.	
0910- Backfilled TT20-2.	
0930- Backfilled TT20-3.	
0931- Re-trenching TT20-4 due to cave-in.	
0940- RTK lost Bluetooth/radio connection w/ base station. JP departs for base station to troubleshoot w/ surveyor, who is on their way to the site.	