Site Name: Furmer	C Wurdsmith AFB	
Date: \$9-13-21		
Project Number: 64	0514613	
Field Staff: Joshva	Wallter	
Time	Observation/Note .	
Ф9:4Ф	AECOM onsite at Aerostar field office and mobilization to	
	WURSBO92. Aerostar and Frontz drilling had already	
	Completed WURSBOAD, and WURSBOAT.	
jΦ:ΦΦ	Drillers began hand augering WURSBO92 and Jeremiah Chedrin	
10:15	Drillers began direct-push on WURSBOGZ, split Samples	
	to be taken 0.5-2.0 ft bgs and at the deepst interval	
10:16	Noel Garland (Aerostai) clarified 55071 would be worked	
Ψ:16	on Tresday as the dig ticket wasn't cleared until then.	
10:26	Acrostar Collected Solid Sample D.5-Z.Oft by S. Sample	
	IDS: 5B2109131426JW (EGLE), WUR 03511 (0.5-2.0)	
	(Airforce)	
10:47	Aerostar Collected Split Sample 10.0-12.0 ft bys.	
	Sample ID: 532109131047JW, (EGLE), WURD3514	
11 54	(10.0-12.0) (Airforce)	
10:59	Aerostar used WLM to get water level of 14.0 ft	
0:55	Drillers completed direct-push on WURSBA92 and	
10.33	thereBagg mobilization to WURSBagg	
11:00	Aerastar and Orivers take break	
11:55	Break over drillers began hand augering WURSBOP3	
11:57	Aerestar Collected equipment blank on Sampling Spoon	
12:00	Drillers began dired-push on WURSB \$93	
12:35	Aerostar used WLM to record a Water level of	
	13.2 ft 695, Core Saturated in interval 12.0-16.0 ft	
	bgs	
12:40	Drillers Completed direct-push on WRSB\$93, Aerostor	
	Sampled 0.0-0.5, 20-2.0, 2.0-4.0, 5.0-7.0,	
	10.0-12.0	

Site Name: Former	Wuldsmith ASB
Date: \$4-13-21	
Project Number: 600	514613
Field Staff: Jashva	Walker
	WUR03531
Time	Observation/Note
12:50	Mobilization to WURSBA99
13:10	Drillers began hand augering on WURSBO95
13:15	Drillers began direct-push on WursBogs
13:45	Aerastar collected samples from 0.0-0.5, 0.0-2.0,
	2.0-4.0, 5.0-7.0, 9.0-11.0 Abgs
13:48	Aerostar used WLM to get water level of 14.4 ft bas
	Aerostar noted Soil core was saturated around 12.0 ft bas
13:58	Drillers completed direct-push on WURSBORS and
13:5	mobilization to WURSB 096, Split sample to be
	taken 0.5-7.0 ft bas and deepest interval
14:ΦΦ	Drillers began hand a vgering on works 13 096
14:05	Drillers began dired-push on WRSB 096
14:15	Aerastar Collected an equipment blank on the homogenization
	bow!
14:23	Aerostar collected split sample from 0.5-2.0 Ft bgs.
	Sample IDS: SB2109131423JW (EGLE), WURD3531 (0.5-2.0
	(Airforce)
14:50	Drillers used Will to tag Water bel at
14:52	Aerostar collected split sample from 9.0-11.0 ft bas
	on WURSBOPG. Sample IDS: SB2149131452JW (EGLE)
	WURD3534 (9.0-11.0) (Airforce)
4:55	Boring hole Collapsed before a Water level could
	be tagged, interval 17-16.0 ft has is saturated
15: φφ	Drillers Completed direct-push on UURSBOAG and
	mobilized to WURSBOPT Aerostar Sampled intervals.
	Φ.Φ-0.5, - 2.Φ, 2.Φ-4.Φ, 5.Φ-7.Φ, 9.Φ-11.Φ
15:15	Drillers began hand acypring on WURSB 097
15:20	Drillers began direct - push on WURSBOAT
15:55	Acrostar collected samples from 0.9-0.5.

Site Name: Tormer	Lord smith AFB	
Date: 09-13-2		
Project Number: 6Φ5/4 6/3		
Field Staff: Joshva	Walker	
Time	Observation/Note	
15:55	Ψ.5-2.0, 2.4-4.4, 5.0-1.4, 4.4-11.0	
15:57	Allostar used Water level meder to tag Water	
4.5.1.	level at 15.7 H 695	
16:00	Drillers Completed direct-push on WURSB 097	
16:10	Φ.S-2.0, 2.0-4.0, 5.0-7.0, 9.0-11.0 Acrostar used Water level meter to tag Water level at 15.7 ft bgs Drillers Completed direct-push on WURSTS 097 AECOM, Frontz, Aerostar offsite at 16:10	

Gallel

Site Name:		
Date: 09/14/2021		
Project Number: 60514613		
Field Staff: J. Mos		
Time	Observation/Note	
13:15	AECOM (JTM, WS) onside on-site. Met Josh W. @	
	WWTP were Acrostas is conducting soil sampling	
	activities.	
13:40	J. Morse over to DRMO to observe VAS.	
13:50		
	in the very NE corner of DRMO. Frontz has a full	
	size Versa-Sonic Rig, using 20ft drill rods	
1455	Note: Frontz using Ginch x 20 ft outer chains w/ 4-inchx	
	10ft inner casing. Clarification: Frontzusing a 20ft	
	4-inch dia inner casing to get back down trip down-hole	
	then 10 ft sections to advance to collect consediment core.	
15:30		
	to led It bgs. No clay observed (i.e. bottom of aguifer).	
15:50		
15:55	Frontz stop work due to lightning. Note: no VAS	
	have been collected from this test bosings	
16:25	End stop work. Frontz driller stated they began using	
	drilling fluid at about 30 ft bass and that they used	
	approximately 30 gallons of water.	
17:10	C Aerostar field office. Field PM said they won't be	
	receiving NaBr for drilling fluid until Friday. They	
	plan to continue VAS w/o NaBr tracer. Acrostar plan is	
	to purge 5 times the water volume used during	
	drilling. A Ecom off-site.	
/	///////////////////////////////////////	

te Name: Form ate: \$9-14-2	
oject Number: 60	\$514613
	va Walker
Time	Observation/Note
Φ7:25	AECOM Onsite at Aerostar field office
Φ7:3Φ	Mobilized to WURSBA98, Sonic rig onsite at field office
Φ8:ΦΦ	Aerostar Collected eggipment blank on hand auger
	and took water sample from drillers water
Ф8:Ф5	drillers began hand augering WURSBOOR
08:10	Drillers began direct-push on WURSB498
Φ8:3Φ	Jeremiah called for cheek-in
Φ8:4Φ	Aerostar collected samples from 0.0-0.5, 0.5-2.0,
	2.0-4.0, 5.0-7.0, 9.0-11.0, Direct-push complete
Φ8:5Φ	Aerostar attempted to use WLM to record water
	level, borehole collapsed, Core Saturated at 13.0 A bys
08:51	Mobilization to WURSBARR WURSBIDD
l a bb	Drillers began hand a yacring on WURSBIDD (JW)
p9:00	Acasta (collected equipment blank on Sampling spoon
09:01	Drillers began hand aggering on WURSBIRD
φ9: Φ5	Drillers began direct-push on WURSBIOD
09:14	Aerostar Collected split sample 0.5-2. p ft bags.
	Sample IDS: SB2109140914JW (EGLE), WUR 03551 (0.5-2
.	(Anforce)
Ф9:40	Herostar Collected Split Sample 9.0-11.0 Ft bgs.
	Aerostar Collected Split Sample 9.0-11.0 ft bgs. Sample IDS: SB2109140940 Ju (EGLE), WUR 03554 (9.
	(Airtorce)
09:43	Aerostar used WLM to tag Water level at 14.3
4	ftbys
Φ9:50	Direct-push Completed on WURSBIDD and indoilization
h 1a	to WURSBO99
10:08	Drillers began hand aggering on WRSB 099

Date: 09-14-2	er Witsmith AFB	
roject Number: 60	0514613	
ield Staff: Josho		
Time	Observation/Note	
10:10	Drillers began direct - push on WURSB099	
10:45	Acrostar used WLM to tag Water level at 14.6ftb	
10:46	Aerostar took samples at intervals 0.0-0.5 0.5-2	
	2.0-4.0, 5.0-7.0, 9.0-11.0 Abas	
10:47	Acrostal noted on Core Saturated ~ 14ft, wet at 12ft bys	
11:00	Drillers completed direct-push on wursburg and	
11:00	mobilization to WVRSB101	
11:20	Drillers began hand avasting on WURSBIDI	
11:25	Drillers began direct-Push on Lours 37101	
	Acrostar tatt sampled p.b-0.5, 0.5-2.0, 2.0-4.0,	
	5.0-7.0, 10.0-12.0	
12:20	Drillers used WLM to fag Water level at 14.7 ft 6	
12:25	Drillers Completed direct-pish on WKSBIDI and	
	mobilization to WURSBIAZ	
12:30	Broke for Lunch	
13:15	Back From Lunch	
13:20	Drillers began hand a ugering on WURSBIDZ	
13:25	Acrostar Collected equipment blank on homogenization	
	boul + Drillers began direct-push	
14:00	Aerastar Collecting Sample 0.0-0.5, 0.5-2.0, 2.0	
	-4.0, 5.0-7.0, 10.0-12.0 ft bgs	
14:03	Drillers used WLM to tag water level at 14.9 ft bgs	
14:10	Drillers Completed direct-push on WURSB102	
	and mobilized to WURSB103	
14:20	Drillers began hand augering on WURSB163	
14:25	Drillers began direct-push on Works 1813	
14:37	Aerostar Collected Split Sample from interval D.S.Z.D	
	Sample ID: SB2/0914,437 JH (EGLE) WURD3566 (.S-)	
	(Airforce)	

Field Activity Log	
Project Name FORME Wushs mith 11 B Project No. 60514613	
Client EGLE Date 09-14-21	
Location OS Coda / Wurtsmith Day SO MO TO WO THO FO SO	
Contractor Weather/Temp Sonny	
Equipment Onsite:	
Geoprobe	
Personnel Onsite: AECOM, Frontz, Aerastar	_
ALCO TIONIZ, THE SAME	
Work Performed (summary of services performed, including field work):	
	d
15:00 Drillers used WLM to tag water level at 14.9 ft bas	
14:58 Aerstar Collected Split Sample from interval 10.0-12:0 St by	5.
Sample IDS: 5B2109141458 JW (EGLE), WUR \$3569(10.0-12.0	P)
(Airforce), Bored to 16.0 ft bys, 12.0-16.0 Saturcted	
15:10 Drillers completed direct-push on WURSBID3 and mobilized	
to WURSBIOH	
15:15 Drillers began hand augering on WURSB194	- 5
15:16 Aerostar noticed on radar storm will be passing through	
Shortly, Paused drilling	
15:30 Drillers began direct-push on WURSB104	
15:31 Agrostar Collected equipment blank on Sampling spoon	
15:45 Drillers used WLM to tag water level at 15.7 ft bgs	
15:50 Aerostar Sampled 0.0-0.5, 0.5-2.0, 2.0-4.0, 5.0-7.0, 10.0-12	h
Drillers bored down to 16.0 ft bags Saturated throughout	Ψ,
15:55 Drillers completed direct-push on WURSBIAY AECOM OFFICE	1_
15:55 Drillers completed direct-push on WURSBIAH, AECOM OFFASI	16
	\
Signed:	
Sheet 3 of	3_

Ste Name: Former Worksmith AFB Date: 199/17/2021 Project Number: (20514/413) Field Staff: J. Messe Time Observation/Note 07:30 & AECOM ansite & According head of the According Field manager informed AECOM that they are postporing VAS until Manday (09/20). According plans to have Fronte death that havings at 2.3 locations around former have have down to be and clay to ourse gealegy and thickness of aguilties. 08:00 AECOM to DRMO where Fronte preparing to growth test burning from Tuesday. 09:00 Aecoster stopped Fronte han starting buring growting within the Analytical results from delling water tank equipment blook came back by hits of PFAS. Fronte to empty tank and Central treatment plant and described to empty tank and Central treatment plant and described to empty tank and Central treatment plant and described to empty tank and Charokee Alation of Charokee Nation of Charokee Alation of Charokee Nation of Ch	Site Name: T	(1) 1 11 000	
Frontz back & Derocker Nation of Casal and Server to Story to Address Character Story of Control treatment of Casal and Server to Story to Story of Control treatment of Casal treatment	Date: 09/ = 1222		
Time Observation/Note 07:30 @AFCOM on-site @ According Gold alkiese. According Field manager informed AFCOM that they are partypoining VAS until Manday (09/20). Accepted pleas to have Fronte deal test borings at 2-3 locations around former have down to basal clay to assess genlagy and thickness of agenture 08:00 AFCOM to DRMO where Fronte preparing to grout test boring from Tourday. 09:00 Accepted Fronte from starting boring growting chintiese Analytical results from deilling water tank equipment blook came back by hits of PFAS. Fronte to empty tank some Central treatment plant and decon tank. 09:50 Andrea (Cherokee Natura) ansite 10:00 Andrea (Cherokee Natura) ansite 10:00 Fronte back & DRMO. Mossey Classification Note: Analytical results from CTS effuent had preliminary PFOS concentrations of O.5 ppt. These results are what triggered Accorder Ruto stop Fronte from userg the water they received from the CTS by growting the test borings Fronte tripping in tremie pipe for growt. Note i Water Fronte is non using for for growting is from municipal water line @ CTS. Accepter stated the water from that municipal water has been lest multiples from and And	Project Number: / OCILI(-12		
OF:30 SAFEOM parsite & According heald affice. According Field manager informed Afford they are postponing VAS noted Monday (09/20). According being to have Fronts deall test borings at 2.3 locations around former base down to based clay to assess geology and thickness of aguilar. O8:00 Afford to DRMO where Fronts preparing to growth test horing from Tuesday. O9:00 According from the Control from delling water tank equipment blank came back of his of PFAS. Fronts to empty tank some Central treatment plant and decon took. O9:00 Andrew (Cheroker Natura) acrite (directed by According water office to Stop took of the CTS as their drilling water. 10:45 Fronts back & DRMO. Manus Classification Note: Analytical results from CTS effects from using the water they received from the CTS for growting the test bacing. 10:55 Fronts tripping in tremie pipe for growt. Note: Water Fronts is now using for for growting a from manicipal water line & CTS. Accorder stated the water from that municipal water has been lest multiples from that	Field Staff: \(\text{M} \)		
O7:30 QAECOM on-site @ Accorder held allies. According Field manager informed Afrom that they are participating VAS notal Menday (09/20). According to have Fronts deall test borings at 2-3 locations around borner base down to basal clay to assess geology and thickness of aguiller. O8:00 AFrom to DRMO where Fronts preparing to growth test boring from Tuesdays. O9:00 Accordar stopped Fronts from starting boring growting activities. Analytical results from deilling water tank equipment blank came back of hits of PFAS. Fronts to emply tank some Central treatment plant and decon took. O9:50 Andrea (Cherokee Nation) on-site (directed by According water. 10:00 Andrea (Cherokee Nation) off-site. Note: Fronts as their deilling water. Fronts back @ DRMO. Material Classification Note: Analytical results from CTS efficient had preliminary PFOS concentrations of O.S. ppt. These results are what triggered According to the stop Fronts from using the water they received from the CTS for growting the test boring. Fronts is now using for for growting a from manicipal water line @ CTS. Accorder stated the water from that mustipal water has been lest multiples from that	J. 1.1	04 75	
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to empty tank seal Central treatment plant and decon tank. 09:50 Andrea (Cherokee Nation) onesite 10:00 Andrea (Cherokee Nation) off-site. Note: Front 7 (directed by Aerostas) a used effuent from the CTS as their drilling water. 10:45 Front 2 back @ DRMO. Moreous Clarification Note: Analytical results from CTS effuent had preliminary PFOS concentrations of 0.5 ppt. These results are what triggered Aerostar to stop Front 2 from users the water they received from the CTS for growting the test boring. 10:55 Front 2 tripping in tremie pipe for growt. Note: Water Front 2 is now using to for growting is from municipal water line @ CTS. Aerostar stated the water from that municipal water has been test multiples lines and had		equipment blank come back of hits of PFAS. Frontz	
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(directed by Aerostar) & used effuent from the CTS as their drilling water. 10:45 Frontz back @ DRMO. Modern Clasification Note: Analytical results from CTS effuent had preliminary PFOS concentrations of 0.5 ppt. These results are what triggered Aerostar to stop Frontz from useng the water they received from the CTS for growting the test boring. 10:55 Frontz tripping-in tremie pipe for growt. Note: Water Frontz is now using to for growting is from municipal water line @ CTS. Aerostar stated the water from that municipal water has been test multiples times and had	09:50	Andrea (CheroKee Nation) on-site	
10:45 Front 2 back @ DRMO. Kondey Clasification Note: Analytical results from CTS effuent had preliminary PFOS concentrations of 0.5 ppt. These results are what triggered Accostar to to stop Front 2 from using the water they received from the CTS for growting the test bosinge 10:55 Front 2 tripping in tremie pipe for growt. Note: Water Front 2 is now using to for growting is from municipal water line @ CTS Acrostar stated the water from that municipal vater has been test multiple from and had	10:00	Andrea (Cherokee Nation) off-site. Note: Frontz	
10:45 Front 2 back @ DRMO. Kondey Clasification Note: Analytical results from CTS effuent had preliminary PFOS concentrations of 0.5 ppt. These results are what triggered Accostar to to stop Front 2 from using the water they received from the CTS for growting the test bosinge 10:55 Front 2 tripping in tremie pipe for growt. Note: Water Front 2 is now using to for growting is from municipal water line @ CTS Acrostar stated the water from that municipal vater has been test multiple from and had		(directed by Aerostar) a used effect from the CTS	
10:45 Frontz back @ DRMO. Howard Clasification Note: Analytical results from CTS effect had preliminary PFOS concentrations of 0.5 ppt. These results are what triggered Accostar to to stop Frontz from using the water they received from the CTS for growting the test boring. 10:55 Frontz tripping-in tremie pipe for growt. Note: Water Frontz is now using to for growting is from municipal water line @ CTS. Acrostar stated the water from that municipal water has been test multiples fines and had		as their drilling water.	
Analytical results from CTS effuent had preliminary PFOS concentrations of 0.5 ppt. These results are what triggered Aerostar to stop Frontz from using the water they received from the CTS for growting the test boring. 10:55 Frontz tripping-in tremie pipe for growt. Note: Water Frontz is now using to for growting is from municipal water line @ CTS. Aerostar stated the water from that municipal water has been test multiples times and had	10:45	Frontz back @ DRMO. Kongey Clasification Note:	
what triggered Accostar to stop Frontz from using the water they received from the CTS for growting the test boring. 10:55 Frontz tripping-in tremie pipe for growt. Note: Water Frontz is now using to for growting is from municipal water line @ CTS. Acrostar stated the water from that municipal water has been test multiples times and had		Analytical results from CTS effect had preliminary	
what triggered Aerostar to stop Frontz from using the water they received from the CTS for growting the test bosing. 10:55 Frontz tripping-in tremie pipe for growt. Note: Water Frontz is now using to for growting is from municipal water line @ CTS. Aerostar stated the water from that municipal water has been test multiples times and had		PFOS concentrations of 0.5 ppt. These results are	
the water they received from the CTS for growting the test bosing. 10:55 Frontz tripping-in tremie pipe for growt. Note: Water Frontz is now using to for growting is from municipal water line @ CTS. Aerostar stated the water from that municipal water pal water has been test multiples times and had		What triggered Acrostar to to stop Frontz from users	
10:55 Frontz tripping-in tremie pipe for grout. Note: Water Frontz is now using to for grouting is from municipal water line @ CTS. Aerostar stated the water from that municipal water has been test multiples times and had		the water they received from the CTS for growting the	
Frontz is now using to for growting is from municipal water line @ CTS. Aerostar stated the water from that municipal water has been test multiples times and had		test bosing.	
Exontz is now using to for grouting is from municipal water line @ CTS. Aerostar stated the water from that municipal water has been test multiple times and had	10:55	Frontz tripping-in tremie pipe for grout. Note: Water	
municipal water has been test multiples times and had		Frontz is now using to for grouting is from municipal	
municipal water has been test multiples times and had		Water line @ CTS. Herostar stated the water from that	
		municipal water has been test multiples times and had	

Site Name: 1			
Date: Date: 100 / 100	Site Name: Former Wactsmith AFB		
Project Number: (60.	521 511113		
Field Staff: J : Mo	51-161.5		
1:110			
Time	Observation/Note		
12:30	Frontz grout pump broke down, and are trouble		
	shooting in attempt to continue agrouting test born		
	bosing. Aerostar collecting on equipment blank from		
	the water tank used to mix postland cement growtom		
	No growt has been pumped down hole. Front & is shipping		
	replacement part to be ostar field office overnight. Mixed		
12127	grout to be pumped into 55 gallon deum from mixing dram.		
13:05	Checked a w/ Josh w + West S. (AFCOM) @ SSO71.		
	J. Mosse offisite		
/			
	$N \setminus N$		
	\wedge		
/			
/			

Field Activi	ity Log
Project Name_	-omer Wurdsmith AFB Project No. 60514613
Client FGLE	Date $\phi 9 - 15 - 21$
Location USC	CODA /WUTTSMAH DAY SO MO TO WE THO FO SO
Contractor	Weather/Temp Partly Cloudy 65°F
Equipment Onsi	e: Geoprobe
	Scopiose
Personnel Onsite	* AECOM, Aerostar, Frontz drilling
7	
Work Performed	(summary of services performed, including field work):
1	
	AECOM onsite at Aerostar field office
01:50	Check in with Jeremiah; Mobilization to WURSBIDS
Ø7:54	Waiting on Aerostar to fill Decon equipment
Ø8: Ø5	Aerostar arrived to WURSB105; sampling team preparing to sample
D8:15	Aprostar and drillers coilect HA sample for 0.0-0.5 ft bloc
08:18	Drillers begin direct push on WURSBIOS
P8:37	moily with Aerostar left to retrieve WLM; Drillers advance Direct Push
	to 12.0-16.0 ft - liner becomes stuck
08.47	Molly with Alrostar arrives back on site with wem
\$8:55	Acrostar attempted to take voter mading with wem-hole collapsed
	at 14.5 ft and water level was not taken
P. 00	Aerostar completed sampling of 0.0-0.5 ft, 0.5-20ft 2.0-4.0ft,
	5.0 - 7.0 ft, 10.0-12.0 ft; Direct Push was advanced to 12.0-16.0 ft
	but no sample was taken; 12.0-16.0 ft split was saturated at 14.5ft; Drillers used bentonte to fill hole at MURSBIOS
	Drillers used bentonte to fill hole at MURSBIDS
89:93	Alerostar and Drillers demobilize from MURSBIDS
09:11	Alrostar and Drillers Mobilize to CAT605P:55071 (BOA)
99:36	Alrostar and Onillers arrive to CAT605P:SSOTI - Starting wit Begin set
	ALM ANGOLI
B4:46	Derostar takes equipment blank on WURSTOST
09:49	Aerostar and Orillers collect sample using HA for 0.0-0.5 ft
109:52	Drillers Beain direct ough for WURSBOST
10:20	Alrostar used WLM to find voter level - Woter level was not
	reached cother prollers sit up to take a split for 160-200 ft
10:25	Drillers began advancing direct push - stopped advancing due to rough
	material

Signed:

Sheet _____of___3

Field Activ	vity Log	
Project Name_	Former Wustsmith AR	³ Project No. <u>6Φ514613</u>
Client EGL	E	Date 09-15-2
Location O5	coda/Wurtsmith	Day SO MO TO WIN THO FO SO
Contractor		Weather/Temp Partly Cloudy, 65 F
Equipment Ons	lite: Geoprobe	
	Gorion	
Personnel Onsi	He: AECOM, Aelostar, F	Frontz Drilling
Ü	// 31	
Work Performe	d (summary of services performed, inclu	uding field work):
18:271	Alrostar used WL	n to mark water level at 17.1ft bloc
1 1	10.1	sampling of 0.0-05ft, 0.5-24+, 20-4.0ft, 5.0-7.0ft
/	0.0-12.0ft - spit 5	2000 were collected for 12.0-16 off and 16 0-17.5 ft
1	int samples were n	of taken due to saturation starting at 15 pft stow
10:35	rillers filled hole	For WURSB\$37 with Bentonite; Aprostus and Drillers
5	temobili28	
15-40	prillers mobilize to	WURSBØ38
		sample and coilect for \$.\$-\$.5 ft bloc for WURSDOS
10:5p		ct Push for WURSBØ38
11:15	Drillers encounter	ed refusal at 16 Off bloc; Alrostar used WLM to
(rack noter level	but no readable result - marked saturation at 15.0 ft
11:24	Drillers begin demi	obilization of WURSBØ38
1		th bestorite for WURSBQ38
11:32		augering on WURSBO36
		d-Push on wursh \$36
11:45	Aerostar Collected	equipment blank on homogenization bowl
11:55	Drillers noted reliva	to push past 16.0 ft togs
12:15		m to mark water level but no readable result-meter
		of hole at 16. of thoc
12:25	Aerostar used wer	
10.0	1	p. pft bloc; saturated at 156ft bloc
12:30		& sampling of \$6-p.5 ft \$5-2\$ ft 2.0-4. \$ ft 5.0-7.6 f
	111 2 2 1 1 1-1	spir spoons were advanced for 12.0-16.0+t and
	16.0-20.0+1 6toc	
10.31		e and fill hole with bentonite for WURS 13\$38
12:35	Break for Lunch	
		Signed:
		Sheet 2 of 3

Field Activity Log	
Project Name Former Wurthsmith APB	Project No. 60514613
Client EGLE	Date 09 /15/2\
Location Oscada Wurthsmith	Day SO MO TO WO THO FO SO
Contractor	Weather/Temp Partly Cloudy 65°
Equipment Onsite:	
Personnel Onsite:	
Personnel Onsite: Star	Il C to Dailing
Work Performed (summary of services performed, inc	
	5 500 - X-500000
13:15 Return from Lun	ch; mobilized to WURSBB39: Andreanant Jeremiah
13:20 HA sample taken	for p.p-D.5 ft bloc - Drillers begin direct push for
WURSB\$39	
13:55 Andrea Raves si	
14:00 Aerostar used VL	m to read water level but no reading available -
meter was hitting	bottom of hall; prillers run another tube from 16.0 to 2
	m to read water level at 18.0ft bloc for wursbygg
	sampling of \$10-0.5 ft, \$5-2.0ft, 2.0ft -4.0ft,
5.0-7.0+7, 10.0-1	2. oft and 14.0 - 16. of ft - 14.0 - 16. of ft was added
because the water	level was at 18.0ft; ordlers demobilization other wurs
	entonite: Drillers mobilized to WURSBOYI
1000000	ignest blank for homogenization bowl; Jeremian check-
14:30 DCITTES perform	HA to Ø.\$ - \$.5 ft bloc; Drillers begin Direct Push on
WURSBOHI	MA TO DIP - P. S IT DIOC, Drillers Eigh Dirper 105% ON
14: 1841 Split sample is con	18cted for \$5-2.0 ft: SB21\$9151441WPS (EGLE)
	-ostar) WS WUROSO29 (Aerostar)
	ILM to read water level at 18.5 ft bloc for WYRSBOL
	ollected for 14.0-16.0 ft: SB210915+44+WPS (EGLE)
	(\$ -16.0) (Alrostar) 1514
15:15 Alrostar complete	1 d sampling of p.p Ø.5 ft p.5 - 2.0 ft 2.0 - 4.0 ft
	-12. of the and 14. o-16. of ft - Drillers advanced to
16.0-20.0 Ft but	no sample was taken due to saturation; prillers
	obilized from WURSBOYI and moved to rURSBOYD
	ed to start a new boring but it had not been located
Lyer so the day w	as ended; AEcon off site

Signed

Sheet 3 of 3

Site Name: Former Wuctsmith AFB Date: 09/16/2021 Project Number: 60514613 Field Staff: T. Morce Observation/Note Time AECOM on-sites Conduct safety meeting and 07:30 Josh W. + Wes S. (AE(OM) mobilite w/ direct 07:45 clew (Associator + Frontz) to SSO71 for soil J. Morse discuss scope of work w/ Herostons 0800 Morse (AECOM) (SCO71 Marce (HECOM) over to DRMO 08410 from DRMO to LF30/31. Frontz to deill Frontz to test push ahead 19:00 being Josh W. (AFEDM) to some sig location 09:55 currently @ 30 bgs. They have been attempting to use the push-ahead samples but are heave into le-inch cusing and 4-inch rod w/ sample to lock up w/the 6-inch

11:40

11:55

Site Name: Francisco (1) A TO					
Tormer wurtsmith APD					
Project Number: (60514613					
Field Staff: J. Mosse					
(), 110	i s e				
Time	Observation/Note				
12:10 (600)	A Josh W. + Wes S. (AFCOM) affecte off-site to				
	return to office for post-field tasks and shipping				
	split samples to labo AFCOM break for Linch.				
13:30	Frontz back @ LF30/31 test boring. They are				
	continuing was as with retreiving core to geologic				
	logging.				
14:40					
	Deiller has used 500 gallons to clear bona casing (leinch)				
15:30	To heaved sand. Frontz to CTS to get more water.				
13.36	Frontz still a CTS filling water. A F com officite.				
/					
/					
//	01.12621				
	9/10/0				
_//					
/_/					
'					
_//					
'					
,					

			40111	
Field Activ		44.0		
	ormer Wartsmith AFB	Project No. 60514613		
Client FGL	E	Date 09-16-21		
Location OS	cada/wursmith	Day SO MO TO WO THE FO	o so	
Contractor		Weather/Temp SUNNY 70°F		
		1		
Equipment Ons				
	Geoprobl			
Personnel Onsid	e:	C += D ://.		<u>,</u>
At	, COM, ACIOSTA	r Frontz Drilling		
Work Performe	d (summary of services performed, incl	luding field work):		-
7:20	ACCOM arrive	at Abrostar Field O	ffice	
φ7:45		BOA SOOTI WURS		,
\$8:00		Drillers and sampled by		WURSBØ4Ø
Ø8.\$5		+ Push on WURSBØYØ		
\$8:10	Aerostar split san	-ple taken for \$.5-7	oft: wul	208023 (Agrostar
	5B2109160810WPS	(EGLE)		

Aerostar used UVLM to read water level at 18.25 ft for wursbøyø \$8:35 Aerostar split sample taken for 14.0-16.0ft: WURD8027 (Aerostar) 08:39 SB2184160839 MPS (EGLE) Drillers fill in hole with bentonite and demobilize JURSBBUD \$8:40 \$8:45 Aerostor completes sampling of p.ø-ø.5 ft, p.5-2.6ft, 2.ø-4.6ft, 5.0-7.0 ft 10.0-12.0 ft, and 14.0-16.0 ft for WURSBOYD; 16.0-20.0 ft was collected by the prillers but not sampled: Aerostar begins demobilizing on MURSBOLY 08:50 Alrostar and Drillers return to field office to decide where to start working TXSA AD Alrostar and Drillers arrive to Field Office 09:00 99:05 Aerostar and Drillers mobilize to SB04002 Alert Aircraft Area Agrostar and Prillers begin set up for WURSBIGHS 09:10 109:30 Agrostar and Drillers switch to WURSBORS because Agrostar did not have Kits FOR WURSBILL OF WURSBIG5 AREA D4:3 Drillers perform HA and Agrostar samples for WURSBØZB \$9:35 Drillers Begin Direct Publi for wursBo28 04:40 09:45 Aerostar spiit sample taken for 0.5-2.0 ft: WUR11781 0.5-2.0 (Aerostar 582169166945 PS (EGLE) Aerostar used WLM to read water level but reading was not viable - meter 04:55 9104 to motton of hole

Signed:



Field Activi	ty Log
	orner wurtsmith AFBroject No. 60514613
Client 56	Date 99-16-21
Location 05L	Date 99-16-11 Date 99-16-11 Day SO MO TO WO THE FO SO
Contractor	Weather/Temp SUNNY 70°F
Equipment Onsite	e:
	Geogrape
Personnel Onsite	on Aerostar, Frontz Brilling
Work Performed	(summary of services performed, including field work):
Ø9:58	Aerostar collected split sample for 5.0-7.0 ft on WURSB028:
	WUR11783 5.6-7.0 (Agnostar) SOZIOGIBOGS 8WPS (EGLE)
10:00	Aerostar used WLM to try and read the vater level again but
	neter was hitting bottom of hole; Acrostar claimed potential perche
سريد . د.	ander at 13.011; saturation starting at 12 ft 1502
10:05	Aprostar completes sampling for p.p-0.5 ft, 0.5-2.0 ft, 2.0-4.9 ft
	5.0-7.0ft; sore 8,0-12.0ft and 12.0ft were collected but
02-1	not sampled due to saturation (S)
10:10	Drillers demobilize from WURSBOZE and fill Lole with bentonite.
18:27	Drillers demobilize from MURSBOZE and fill Lole with bentonite. Drillers mobilize to wursbozz
10:25	Drillers perform HA on WURSBØZT and Agrastar samples
18:30	Drillers begin Direct Rush on WURSEP27; Alrostar collects equipment
	blank
16:55	Drillers use WLM to read water level at 9.8 ft bloc
	Aerostar completed sampling for \$.6-0.5ft, \$.5-2.0ft and 2.6-4.0ft
	tubes were run for = 4.0-8.0ff and 8.0-12.0ft but no samples
	were collected due to saturation and day; Jimmy w/ Acrostar arme
	on site
11:05	Apro Drillers denobilize from WURSBØ27 and fill hole with bentonite
11:26	Drillers mobilize to WYRSB026; brillers collect HA sample and
11 0 ==	Aerostar samples
11:25	
11:45	Return from Lunch; Drillers begin Direct Rysh on wyrsbp26
11:55	
	Signed:

Sheet 2 of 3

Field Activit	ruce Winterith AF	FBroject No. 60514613
Client EG	LF	Date 99-16-2
Location DS (A)	Atinstrub) a6	Day SD MD TO WD THE FD SD
Contractor	300 1 01 19 35	Weather/Temp_SWANY 10° F
Octivation		Wednest Temp
Equipment Onsite	e: , , , , , ,	
0 10 1	Geo probl	
Personnel Onsite	on Acrostar	Frontz Drilling
Work Performed	(summary of services performed, in	cluding field work):
12:10	Acrostar used w	is lead water level but was not readable;
-	later level was t	agged at 5. \$ ft using the tube recovery
12:15		instructed by Alrostar to restart start a new
	1 ()	last sample is 29-4.0 ft and the split for
	AECOM Las dis	carded prenaturely: The split sample for AECOM
		new tube sample 2. of ft East along with the Agrostarsa
12:20	Aprostar colkete	d split sample for at 2.0-4.0 ft: WUR11772
		star), SB210/9161220 WPS (EGLE)
		E sample is from same depth but different hole
12:25	Drillers demokil	
12.25		
10.77		1, zed and left for Field Office
12:40	AECOM off si	76
119		
	1	
		Signed:



Project Name: Site Location: Project No.

Wurtsmith RI EGLE Oversight Oscoda, MI 60514613

Photo No. Date: 09/13/21

Direction Photo Taken:

West

Description:

Boring #: WURSB092 (10.0 – 12.0) – SB2109131047JW



Photo No. Date: 09/13/21
Direction Photo Taken:

West

Description:

Boring #: WURSB092 (Water level 14.0 ft bgs)





Project Name:

Site Location:

Project No.

Wurtsmith RI EGLE Oversight

Oscoda, MI

60514613

Photo No.

Date: 09/14/21

Direction Photo Taken:

West

Description:

ST069-DRMO Test location



Photo No.

Date: 09/14/21

Direction Photo Taken:

Southwest

Description:

ST069-DRMO Test location 0 – 30 ft bgs





Project Name:

Site Location:

Project No.

Wurtsmith RI EGLE Oversight

Oscoda, MI

60514613

Photo No. **5**

Date: 09/14/21

Direction Photo Taken:

Southeast

Description:

ST069-DRMO Test location 30 – 40 ft bgs



Photo No.

Date: 09/14/21

Direction Photo Taken:

Southwest

Description:

ST069-DRMO Test location (2)





Project Name:

Site Location:

Project No.

Wurtsmith RI EGLE Oversight

Oscoda, MI

60514613

Photo No.

Date: 09/14/21

Direction Photo Taken:

Northwest

Description:

ST069-DRMO Test location drilling fluid



Photo No.

Date: 09/14/21

Direction Photo Taken:

Northwest

Description:

ST069-DRMO Test location bagged sediment core





Project Name:

Site Location:

Project No.

Wurtsmith RI EGLE Oversight

Oscoda, MI

60514613

Photo No.

Date: 09/14/21

Direction Photo Taken:

Northwest

Description:

ST069-DRMO Test location bagging sediment core (2)



Photo No.

Date: 09/14/21

Direction Photo Taken:

Southeast

Description:

ST069-DRMO Test location clay at ~67 ft bgs





Project No.

Project Name: Site Location:

Wurtsmith RI EGLE Oversight Oscoda, MI 60514613

Photo No. Date: 09/14/21

Direction Photo Taken:

Northwest

Description:

ST069-DRMO Test location cores 0 – 70 ft bgs. Core top on right



Photo No. Date: 09/15/21

Direction Photo Taken:

Southeast

Description:

ST069 Test location grouting up boring





Project Name: Site Location: Project No.

Wurtsmith RI EGLE Oversight Oscoda, MI 60514613

Photo No. Date: 09/15/21

Direction Photo Taken:

Northwest

Description:

ST069 Test location bentonite and Portland cement



Photo No. Date: 09/15/21
Direction Photo Taken:

Southeast

Description:

WURSB038 – Water level unable to read





Project Name: Site Location: Project No.

Wurtsmith RI EGLE Oversight Oscoda, MI 60514613

Photo No. Date: 09/15/21

Direction Photo Taken:

Southeast

Description:

WURSB038 water level at 17.5 ft btoc



Photo No. Date: 09/16/21
Direction Photo Taken:

Southwest

Description:

WURSB040 water tagged at 18.25 ft btoc





Project Name: Site Location: Project No.

Wurtsmith RI EGLE Oversight Oscoda, MI 60514613

Photo No. Date: 09/16/21

Direction Photo Taken:

West

Description:

WURSB040 Decontamination of directpush tooling



Photo No. Date: 09/16/21

Direction Photo Taken:

South

Description:

LF30/31 - GB01(1)





Project Name: Site Location: Project No.

Wurtsmith RI EGLE Oversight Oscoda, MI 60514613

Photo No. Date: 09/16/21

Direction Photo Taken:

South

Description:

LF30/31-GB01 sediment core 0 – 30 ft bgs



Photo No. Date: 09/16/21

Direction Photo Taken:

South

Description:

LF30/31 - GB01(1) push ahead sampler





Project Name: Site Location: Project No.

Wurtsmith RI EGLE Oversight Oscoda, MI 60514613

21 09/16/21 Direction Photo Taken:

Date:

South

Photo No.

Description:

LF30/31-GB01 (2)



Photo No. Date: 09/16/21

Direction Photo Taken:

Northwest

Description:

LF30/31 - GB01(1) 30 - 40 ft bagged





Project Name: Site Location: Project No.

Wurtsmith RI EGLE Oversight 60514613 Oscoda, MI

Date: 23 09/16/21

Direction Photo Taken:

North

Photo No.

Description:

LF30/31-GB01 fine gravel coarse sand at 40 ft bgs



Photo No. Date: 24 09/16/21

Direction Photo Taken: South

Description:

LF30/31 - GB01 advancing 6-inch casing

