


Daily Field Log

Site Name: Former Wurtsmith AFB
 Date: 08/17/2021
 Project Number: 60514613
 Field Staff: J. Morse J. Walker

Time	Observation/Note
13:30	Onsite AECOM onsite @ FT-02. Aerostar currently soil sampling w/ Direct Push.
13:45	Aerostar currently drilling @ WURSB115. Drilling sub-contractor hand cleared (hand auger) down to 5' bgs. They then moved their rig (~1'-ft) and collected samples in top 5-ft bgs w/ rig.
14:10	Checked for location in most up-to-date figures in QAPP, and could not find the WURSB115. Informed Aerostar of discrepancy and they will check information they have and provide AECOM w/ more up-to-info if needed.
14:30	Aerostar field manager said the boring locations currently marked were from Aug 2, AECOM to send request to EGLE to request updated figures for soil boring location, from Air Force.
14:50	Aerostar completed sampling @ WURSB115 and is moving to WURSB*118 (WUR102 on old map). AECOM to collect split sample of 0-0.5 feet bgs.
15:15	Aerostar collected split sample for AECOM @ WURSB118 from 0-0.5 ft bgs. Sample IDs: SB210R171515JW (EGLE) WUR04561-0-0.5. Sample collected using hand auger.
15:55	Note: Drilling contractor - Franz Drilling (Wooster, OH) using a 6 6620DT rig w/ the dual-tube system.
16:30	Aerostar comp stop work for the day. Back to Aerostar field office.
17:00	Aerostar provide latest boring location map to AECOM. AECOM offsite.
	

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0730	AECOM on sight @ Aerostar field office. Aerostar field manager confirmed there are currently 165 soil boring locations, sans step-out for delineation.
0820	Aerostar setting up on the WURSB113. AECOM to collect split.
0825	Observed Aerostar using lab-provide water for decon station.
0917	Aerostar collected EGLE split sample @ SB WURSB113 @ 5-7 ft bgs. Sample IDs: ^{see below} WUR04538 (Air Force), SB210R1P0917JW (EGLE). Observed Aerostar sample homogenization of soil. Aerostar is using 8 small HDPE buckets to put soil sample into and homogenize w/ nitrile gloved hand. HDPE buckets are deconed between samples. → (Correction on Air Force Sample ID: WUR04538 (7.0-5.0-7.0))
0945	Aerostar moving to SB WURSB114 after completing WURSB113.
0955	Observed Aerostar collecting equipment blank from acetate liner.
1055	Observed drillers deconning decontaminating drill rod in same decon buckets ^{that} Aerostar uses to decon buckets to homogenize soil samples.
1100	WURSB113 completed. Aerostar moving to WURSB110. AECOM to collect split from 10-12 ft bgs.
1212	Aerostar collected split EGLE split sample @ 12-10 ft bgs. Sample IDs: SB210R181212JW (EGLE), WUR SB 04524 (10-12) (Air Force)
1220	Observed driller decon hand auger in same decon station as one used for HDPE homogenizing buckets. Aerostar complete WURSB110. Moving to WURSB107. Break for lunch.

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1255	Return from lunch. Aerostar begin WURSB107.
1440	WURSB107 complete. Aerostar moving to WURSB Observed drilling contractor decontaminating leading (or sampling) drill rod in same decon station as sampling utensils (i.e. HDPE buckets). None of the other drill rods were deconned between boring locations.
1455	Begin WURSB112. AECOM will split collect ^{split} sample from 0.5-2.0 ft bgs.
1514	Aerostar collected EGLE split sample (0.5-2.0 ft bgs). Sample IDs: SB2108181516JM (EGLE) WURSB104.532 (0.5-2.0) (Air Force)
1555	Aerostar finishing up WURSB112. AECOM observed a soil boring stake (labeled WURSB112A) approximately 200 ft to the south of WURSB112. AECOM over to Aerostar field office.
1600	@ Aerostar field office discussing decon issues w/ Aerostar field managers. He acknowledged potential issues with decon and is going to have drillers use separate decon station. Note: ① Aerostar had taken several equipment blanks on non-dedicated equipment (i.e. drilling rods) throughout the day. ② Aerostar is planning on continuing soil sampling @ FT-02 through @ least Monday (08/23) and then plans on starting locations at the DRMO. ③ Aerostar has a tentative start date for VAS to begin on September 7, w/2 sonic rigs onsite.
1630	AECOM offsite.

JM 8/18/2021

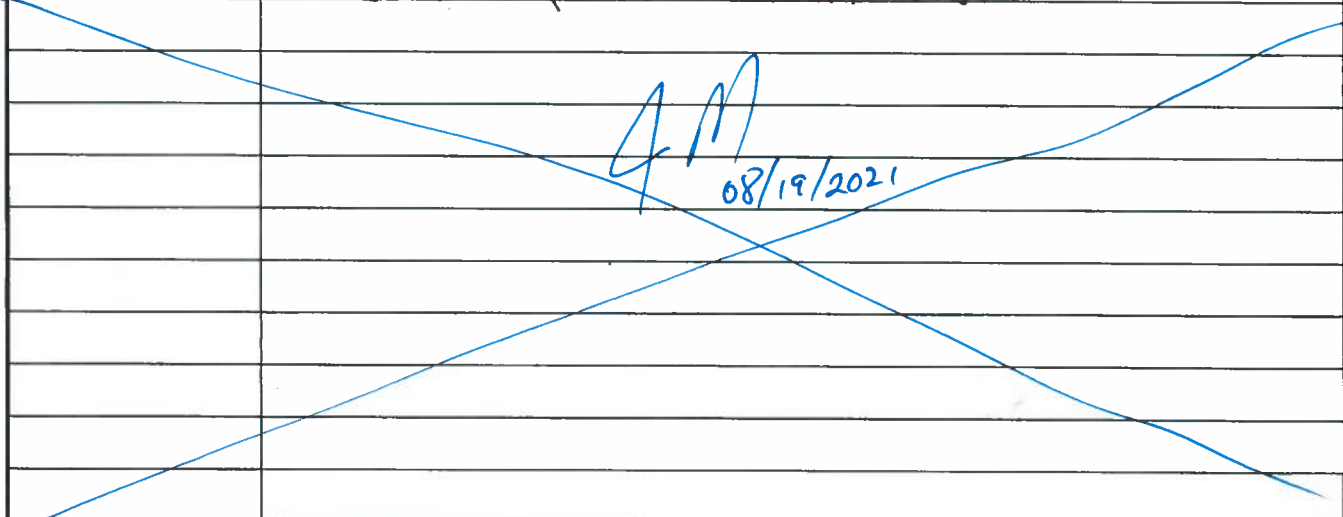
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0745	Onsite @ FT-02. Drillers are setting up on WURSB111.
0850	Drill rig head is damaged has broken. Work stopped, rig loaded up and mobilized offsite.
0920	Aerostar field manager may continue soil sampling in 0.5 down to 5' bgs w/ hand auger at remaining FT-02 soil boring locations.
0950	Aerostar field staff back @ FT-02 to collect soil samples from the top 5 feet bgs of the remaining borings @ FT-02. Currently @ WURSB111
1030	Aerostar is completed sampling @ WURSB111. Moving to WURSB108. Observed that Aerostar is now using stainless steel utensils and bowls to homogenize soil samples.
1140	Aerostar field manager informed me that drilling contractor may be able to return as early as Saturday to continue soil sampling on Sunday (Aug 22), or arrive Sunday and either continue sampling Sunday afternoon or Monday. Note: Aerostar received 1 st set of soil analytical results.
1155	Aerostar break for lunch.
1245	Aerostar back from lunch. Moving to WURSB106. AECOM to collect soil split sample from 2-4 ft bgs interval. Note: Aerostar field manager informed me that they plan to collect additional soil sample around old ^{former} FT-02 concrete pad (on 25-50 center grid) to better understand potential future soil removal.
1310	Observed Observed Aerostar decontaminating both sample homogenization bowls and hand augers in same decon station. Also observed that cloth rags in decon station buckets have been replaced w/ plastic brushes.

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Time	Observation/Note
1315	Observed equipment blank collected from stainless steel mixing bowls (WURSB106).
1320	EGLE split sample collected from WURSB106, 2.0-4.0 ft bgs. Sample IDs: SB2108191320JM (EGLE) WURD4500 (2.0-4.0) (Air Force). Aerostar moving to WURSB109. AECOM doesn't does not have split samples in remaining location for today. AECOM over to Aerostar field office.
1350	Discussed Aerostar activities for rest of work week w/ Aerostar field managers. Field manager said they will finish up the soil borings (0-5 ft bgs) with hand auger @ FT-02. The only other activity planned was to ^{stake} mark -out the grid of locations around the former FT-02 concrete pad for soil sampling to estimate potential soil removal in the future. Field manager also said that the status of their drilling subcontractor equipment repair and/or their return to the site was still unknown. AECOM offsite. Blank split Field Blank collected @ 1325 at WURSB106. sample ID FB2108191325JM.
 JM 08/19/2021	

Project Name: Wurtsmith RI EGLE Oversight	Site Location: Oscoda, MI	Project No. 60514613
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Photo No. 1	Date: 08/17/21	<p>Date & Time: Tue, Aug 17, 2021, 15:22:39 EDT Position: +044.445801° / -083.388035° (±32.8ft) Altitude: 620ft (±39.4ft) Datum: WGS-84 Azimuth/Bearing: 002° N02E 0086mils True (±21°) Elevation Angle: -02.7° Horizon Angle: +01.3° Zoom: 1.0X WURSB118 (1)</p> 
Direction Photo Taken: North		
Description: WURSB118 (1)		

Photo No. 2	Date: 08/17/21	<p>Date & Time: Tue, Aug 17, 2021, 15:54:38 EDT Position: +044.445827° / -083.387895° (±16.4ft) Altitude: 650ft (±19.7ft) Datum: WGS-84 Azimuth/Bearing: 134° S46E 2382mils True (±23°) Elevation Angle: -02.9° Horizon Angle: +00.4° Zoom: 1.0X WURSB118 (2)</p> 
Direction Photo Taken: Southeast		
Description: WURSB118 (2)		

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Photo No. 3	Date: 08/17/21	<p>Date & Time: Tue, Aug 17, 2021, 16:01:58 EDT Position: +044.445922° / -083.388030° (±16.4ft) Altitude: 625ft (±19.7ft) Datum: WGS-84 Azimuth/Bearing: 233° S53W -4142mils True (±20°) Elevation Angle: -56.2° Horizon Angle: +14.1° Zoom: 1.0X WURSB118 (3)</p> 
Direction Photo Taken: Southwest		
Description: WURSB118 (3)		

Photo No. 4	Date: 08/18/21	<p>Date & Time: Wed, Aug 18, 2021, 08:47:07 EDT Position: +044.446275° / -083.389768° (±16.4ft) Altitude: 610ft (±19.7ft) Datum: WGS-84 Azimuth/Bearing: 317° N43W 5636mils True (±13°) Elevation Angle: -27.2° Horizon Angle: -02.1° Zoom: 1.0X WIRSB113 (1)</p> 
Direction Photo Taken: Northwest		
Description: WIRSB113 (1)		

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Photo No. 5	Date: 08/18/21
Direction Photo Taken: Northwest	
Description: WIRSB113 (2) collecting sample	



Photo No. 6	Date: 08/18/21
Direction Photo Taken: Northwest	
Description: WIRSB113 (3) collecting sample	



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Photo No. 7	Date: 08/18/21	<p>Date & Time: Wed, Aug 18, 2021, 09:06:53 EDT Position: +044.446320° / -083.389762° (±16.4ft) Altitude: 632ft (±26.2ft) Datum: WGS-84 Azimuth/Bearing: 076° N76E 1351mils True (±17°) Elevation Angle: -80.9° Horizon Angle: -74.9° Zoom: 1.0X WIRSB113 (4) 4-8 feet bgs</p> 
Direction Photo Taken: North		
Description: WIRSB113 (4) 4-8 ft bgs		

Photo No. 8	Date: 08/18/21	<p>Date & Time: Wed, Aug 18, 2021, 09:18:58 EDT Position: +044.446204° / -083.389816° (±32.8ft) Altitude: 622ft (±19.7ft) Datum: WGS-84 Azimuth/Bearing: 010° N10E 0178mils True (±18°) Elevation Angle: -34.9° Horizon Angle: -00.4° Zoom: 1.0X WIRSB113 (4) split sample</p> 
Direction Photo Taken: Northwest		
Description: WIRSB113 (4) split sample		

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Photo No. 9	Date: 08/18/21
Direction Photo Taken: West	
Description: WIRSB110 (1) 0-4 ft core	



Photo No. 10	Date: 08/18/21
Direction Photo Taken: North	
Description: WIRSB11=0 (2) Homogenizing sample	



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Photo No. 11	Date: 08/18/21	<p>Date & Time: Wed, Aug 18, 2021, 12:19:23 EDT Position: +044.446184° / -083.391317° (±16.4ft) Altitude: 646ft (±9.8ft) Datum: WGS-84 Azimuth/Bearing: 131° S49E 2329mils True (±14°) Elevation Angle: -07.4° Horizon Angle: -00.2° Zoom: 1.0X WIRSB110 (2) Hand Auger Decon</p> 
Direction Photo Taken: Southeast		
Description: WIRSB110 (2) Hand Auger Decontamination		

Photo No. 12	Date: 08/18/21	<p>Date & Time: Wed, Aug 18, 2021, 14:36:15 EDT Position: +044.446294° / -083.391325° (±32.8ft) Altitude: 634ft (±13.1ft) Datum: WGS-84 Azimuth/Bearing: 127° S53E 2259mils True (±10°) Elevation Angle: -05.4° Horizon Angle: -00.4° Zoom: 1.0X WIRSB107 (1) drill stem Decon</p> 
Direction Photo Taken: Southeast		
Description: WIRSB107 (1) drill stem decontamination.		

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Photo No. 13	Date: 08/18/21	Date & Time: Wed, Aug 18, 2021, 15:08:00 EDT Position: +044.445309° / -083.391013° (±32.8ft) Altitude: 639ft (±19.7ft) Datum: WGS-84 Azimuth/Bearing: 295° N65W 5244mils True (±20°) Elevation Angle: -57.8° Horizon Angle: +02.6° Zoom: 1.0X WIRSB112 (1) Decon Station	
Direction Photo Taken: Northwest			
Description: WIRSB112 (1) Decontamination station			

Photo No. 14	Date: 08/19/21	Date & Time: Thu, Aug 19, 2021, 11:18:13 EDT Position: +044.446108° / -083.392326° (±16.4ft) Altitude: 601ft (±13.1ft) Datum: WGS-84 Azimuth/Bearing: 012° N12E 0213mils True (±25°) Elevation Angle: -36.6° Horizon Angle: -01.2° Zoom: 1.0X WURSB108 (1) hand augering	
Direction Photo Taken: North			
Description: WIRSB108 (1) hand augering			

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Photo No. 15	Date: 08/18/21	<p>Date & Time: Thu, Aug 19, 2021, 11:20:37 EDT Position: +044.446107° / -083.392355° (±16.4ft) Altitude: 597ft (±19.7ft) Datum: WGS-84 Azimuth/Bearing: 054° N54E 0960mils True (±26°) Elevation Angle: -25.6° Horizon Angle: +02.3° Zoom: 1.0X WURSB108 (1) soils homogenization</p> 
Direction Photo Taken: Northeast		
Description: WURSB108 (1) soils homogenization		

Photo No. 16	Date: 08/19/21	<p>Date & Time: Thu, Aug 19, 2021, 13:03:47 EDT Position: +044.446787° / -083.392134° (±16.4ft) Altitude: 625ft (±19.7ft) Datum: WGS-84 Azimuth/Bearing: 170° S10E 3022mils True (±15°) Elevation Angle: -32.9° Horizon Angle: +01.4° Zoom: 1.0X WURSB106 (1) soil bowl decon</p> 
Direction Photo Taken: South		
Description: WURSB106 (1) soil bowl decontamination		

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Photo No. 17	Date: 08/19/21
Direction Photo Taken: Northwest	
Description: WIRSB106 (2) hand auger decontamination	

