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Mr. Jeffery E. Mendenhall
South Carolina Department of Health and Environmental Control
Assessment Section, UST Management Division
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201

Subject: Request for Modification of Product Recovery Activities
Plantation Pipe Line Company
Lewis Drive Remediation Site
Belton, South Carolina
Site ID #18693, "Kinder Morgan Belton Pipeline Release"

Dear Mr. Mendenhall,

On behalf of Plantation Pipe Line Company (Plantation), Jacobs has prepared this correspondence to request a modification to the product recovery activities currently conducted at the Lewis Drive Site in Belton, Anderson County, South Carolina (Site ID #18693).

The biosparging system has been operating since March 2017 and remediation through air sparging has been highly successful. As presented in the monthly and quarterly reports, quantities of product recovered at the site have declined steadily. The amount of free product being recovered using vacuum extraction methods started markedly declining in September 2017. From September 1, 2017, only 21 gallons per month were recovered at the site¹. This marked the end of the vacuum extraction product recovery methods.

Since February 20, 2018, product has been continuously recovered from product recovery features using passive skimmers and petroleum-only absorbent socks, in accordance with the Product Recovery Plan, Revision 4 (CH2M, 2018), approved by the South Carolina Department of Health and Environmental Control (DHEC) in correspondence (letter dated May 8, 2018). Product collection frequency changed from monthly to quarterly after the June 3, 2019 product recovery event, in accordance with the DHEC approved, 2019 Annual Monitoring, Reporting, and Product Recovery Plan (April 1, 2019 through March 31, 2020), dated May 3, 2019. Since the implementation of the passive recovery methods in February 2018, the amount of product recovered has declined further and has reached a point of diminishing returns (**Table 1**). Recovery volumes for the 4 quarters of 2019 have been 2.43 gallons, 1.42 gallons, 0.074 gallons, and 0.022 gallons, respectively. During the fourth quarter gauging event, measurable product in most product recovery features was zero, with only 9 features with a measurable thickness (a maximum thickness of 0.16 ft in RW-07, see **Table 2**).

¹ CH2M 2018 *Lewis Drive – December 2017 Monthly Status Update, Plantation Pipe Line Company, Belton, South Carolina, Site ID #18693, "Kinder Morgan Belton Pipeline Release"* January 18

Furthermore, product thickness data (Attachment A) indicate that the air sparging curtains established in the Brown's Creek Protection Zone and Cupboard Creek Protection Zone have halted migration of product toward these surface water bodies and there is significantly less risk posed by the little remaining product at the site (**Figure 1**). Except for RT-2K, the screens of the product recovery features consistently bracket water table, providing accurate opportunities for measuring product thicknesses. RT-2K is part of a recovery trench. These trenches were never designed or intended for monitoring and only have vertical casings because of how the trench had to be constructed (i.e., utilizing a series of extraction points versus a continuous dug trench with gravel backfill/French drain). RT-2K was removed from the product gauging network, with DHEC approval of the 2019 Annual Monitoring, Reporting, and Product Recovery Plan (April 1, 2019 through March 31, 2020) dated May 3, 2019.

Based on the information presented herein, we propose removing the passive skimmers and petroleum absorbent socks from the recovery features at the site. These features will continue to be monitored for presence of free product in accordance with the 2019 Annual Monitoring, Reporting, and Product Recovery Plan (April 1, 2019 through March 31, 2020). If measurable product is detected it will be removed using a bailer or absorbent sock.

If you have any further questions or concerns, please call me at (919) 859-5789, or Mr. Jerry Aycock/Plantation at (770) 751-4165.

Regards,



William M. Waldron, P.E.
Program Manager

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Attachments:

Table 1. Product Skimmer Recovery Results
Table 2. Groundwater Elevation and Product Thickness Data
Figure 1. Site Features with Measurable Product.
Attachment A – Product Thickness Trends

Table 1. Product Skimmer Recovery Results
 Plantation Pipe Line Company
 Lewis Drive Remediation Site, Belton, South Carolina
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Well Identifier	Week 1 Recovered (gal)	Week 2 Recovered (gal)	Week 3 Recovered (gal)	Week 4 Recovered (gal)	Month 1 Recovered (gal)	Month 2 Recovered (gal)	Month 3 Recovered (gal)	Month 4 Recovered (gal)	Month 5 Recovered (gal)	Month 6 Recovered (gal)	Month 7 Recovered (gal)	Month 8 Recovered (gal)	Month 9 Recovered (gal)	Month 10 Recovered (gal)	Month 11 Recovered (gal)	Month 12 Recovered (gal)	Month 13 Recovered (gal)	Month 14 Recovered (gal)	Month 15 Recovered (gal)	Month 16 Recovered (gal)	Month 17 Recovered (gal)	Total Recovered to Date (gal)
Date	2/20/2018	2/26/2018	3/9/2018	3/15/2018	4/6/2018	5/3/2018	6/7/2018	7/13/2018	8/1/2018	9/11/2018	10/5/2018	11/1/2018	12/4/2018	1/22/2019	2/19/2019	3/7/2019	4/8/2019	5/16/2019	6/3/2019	9/17/2019	12/16/2019	
Product Skimmers																						
MW-08	-	-	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001
MW-15	-	-	0.023	0.004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.027
MW-20	0.004	0.017	0.016	-	0.002	-	0.008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.046
RS-01	NA	NA	0.031	0.008	-	-	-	0.031	0.016	0.008	-	0.002	-	-	0.000	-	-	-	-	-	-	0.095
RS-02	-	-	0.001	-	-	-	0.008	0.016	0.016	-	-	0.002	-	-	0.000	-	0.002	0.006	-	-	-	0.049
RS-05	0.844	0.813	1.094	1.125	0.031	0.002	0.008	0.004	0.023	0.016	0.004	0.002	0.002	-	0.000	0.000	0.002	0.002	0.002	0.004	-	3.976
RS-10	0.002	-	-	-	0.008	-	-	-	0.004	0.002	0.000	-	-	-	-	0.000	-	-	-	-	-	0.016
RS-14	0.016	-	-	-	-	-	0.008	0.002	0.004	-	-	-	-	-	0.000	0.000	-	0.001	-	-	-	0.030
RS-17	-	-	0.001	-	-	-	0.008	0.002	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.010
RW-02	-	0.090	0.047	-	0.033	-	0.008	0.001	0.016	0.023	-	-	0.002	-	0.002	-	-	-	-	0.002	-	0.222
RW-03	-	-	0.008	0.008	0.002	-	0.008	0.001	0.004	0.006	0.000	-	-	0.055	-	0.141	0.102	0.002	0.070	0.008	0.002	0.415
RW-04	-	0.008	0.016	-	0.001	-	0.016	0.023	0.008	-	0.000	-	-	-	-	0.000	-	-	0.004	-	0.004	0.079
RW-05	-	0.016	0.016	0.656	-	0.001	0.018	-	0.047	0.031	0.508	0.000	0.156	-	0.000	-	-	-	0.039	0.063	-	1.551
RW-07	0.002	-	0.008	-	-	-	-	-	0.004	0.001	-	-	-	-	-	-	-	-	-	-	-	0.030
RW-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-15	0.078	-	-	0.117	0.031	0.002	-	0.008	-	0.002	0.000	-	-	-	-	0.000	-	-	-	-	-	0.238
RW-10	-	-	-	-	-	-	-	0.234	0.004	-	-	-	0.002	-	-	0.000	-	-	-	-	-	0.240
Petroleum-Absorbent Socks																						
MW-11	0.200	0.224	-	0.256	0.200	0.008	0.221	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.109
RS-08	-	-	-	-	0.243	0.040	0.016	0.224	-	-	0.211	0.125	0.144	0.265	0.226	0.025	0.012	0.220	-	-	-	1.751
RT-2K	-	-	-	-	0.006	0.006	0.209	0.152	0.187	-	0.051	0.021	0.004	-	0.143	0.095	-	0.093	-	-	-	0.967
RT-1A	-	-	-	-	0.228	0.036	0.254	0.205	0.233	0.131	0.039	-	0.120	0.224	0.208	0.049	0.114	0.235	-	-	-	2.075
RT-1B	-	-	-	-	0.251	0.038	0.244	0.235	0.212	-	-	0.009	0.021	0.247	0.210	0.063	-	0.240	-	-	-	1.769
RT-1C	-	-	-	-	0.255	0.039	0.231	0.201	0.069	0.041	-	0.102	-	0.224	0.195	0.055	0.121	0.120	0.035	-	-	1.689
Total:	1.145	1.167	1.259	2.174	1.291	0.171	1.263	1.337	0.845	0.259	0.815	0.262	0.450	1.014	0.985	0.429	0.353	0.918	0.152	0.074	0.022	16.386

Notes:

- = no product recovered
 gal = gallons
 ID = identification
 MW = monitoring well
 NA = not applicable
 RS = recovery sump
 RT = recovery trench
 RW = recovery well
 Q = quarter

	1Q 2018 Total	2Q 2018 Total	3Q 2018 Total	4Q 2018 Total	1Q 2019 Total	2Q 2019 Total	3Q 2019 Total	4Q 2019 Total
- = no product recovered								
gal = gallons	5.75	2.73	2.44	1.53	2.43	1.42	0.074	0.022

Table 2. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation ^{a,b} (ft amsl)	Groundwater Elevation (ft amsl)	Corrected ^c Groundwater Elevation (ft amsl)	Notes
MW-01	12/16/2019	-	3.99	-	853.07	849.08	-	
MW-01B	12/16/2019	-	11.61	-	852.99	841.38	-	
MW-02	12/16/2019	-	-	-	841.04	841.04	-	sparging out of well casing
MW-02B	12/16/2019	-	10.72	-	841.19	830.47	-	
MW-03	12/16/2019	-	7.80	-	838.36	830.56	-	air sparging on
MW-04	12/16/2019	-	13.57	-	844.42	830.85	-	
MW-05	12/16/2019	-	17.70	-	851.11	833.41	-	
MW-06	12/16/2019	-	14.89	-	852.92	838.03	-	
MW-06B	12/16/2019	-	14.90	-	852.57	837.67	-	
MW-07	12/16/2019	-	13.63	-	853.02	839.39	-	
	11/4/2019	-	13.23	-		839.79	-	
MW-08	12/16/2019	-	5.49	-	844.72	839.23	-	
MW-09	12/16/2019	-	-	-	843.63	843.63	-	
MW-09B	12/16/2019	-	11.31	-	843.92	832.61	-	
MW-10	12/16/2019	-	16.77	-	845.41	828.64	-	
MW-11	12/16/2019	31.72	31.73	0.01	855.63	823.90	823.91	
MW-12	12/16/2019	-	14.68	-	834.53	819.85	-	

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Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation ^{a b} (ft amsl)	Groundwater Elevation (ft amsl)	Corrected ^c Groundwater Elevation (ft amsl)	Notes
MW-12B					834.98			
	12/16/2019	-	14.64	-		820.34	-	
	11/4/2019	-	15.39	-		819.59	-	
MW-13					848.84			
	12/16/2019	-	22.10	-		826.74	-	
MW-13B					849.82			
	12/16/2019	-	24.25	-		825.57	-	
MW-14					838.70			
	12/16/2019	-	17.79	-		820.91	-	
MW-14B					840.20			
	12/16/2019	-	19.62	-		820.58	-	
MW-15					831.03			
	12/16/2019	-	12.27	-		818.76	-	
MW-15B					831.29			
	12/16/2019	-	15.19	-		816.10	-	Odor
	11/4/2019	-	15.90	-		815.39	-	
MW-16					847.67			
	12/16/2019	-	10.20	-		837.47	-	Sparge system on
MW-17					855.35			
	12/16/2019	-	10.85	-		844.50	-	
MW-17B					855.37			
	12/16/2019	-	16.40	-		838.97	-	
	11/4/2019	-	16.88	-		838.49	-	
MW-18					846.89			
	12/16/2019	-	19.24	-		827.65	-	Sparge system on
MW-19					853.94			
	12/16/2019	-	7.81	-		846.13	-	
MW-20					852.89			
	12/16/2019	-	12.40	-		840.49	-	
	11/4/2019	12.89	13.09	0.20		839.80	839.94	water bubbling out from cap
MW-21					855.77			
	12/16/2019	-	16.54	-		839.23	-	
MW-22					854.60			
	12/16/2019	-	9.57	-		845.03	-	

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Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation ^{a,b} (ft amsl)	Groundwater Elevation (ft amsl)	Corrected ^c Groundwater Elevation (ft amsl)	Notes
MW-23					849.57			
	12/16/2019	-	9.98	-		839.59	-	
	11/4/2019	-	11.28	-		838.29	-	
MW-23B					849.69			
	12/16/2019	-	9.49	-		840.20	-	
MW-24					817.92			
	12/16/2019	-	3.77	-		814.15	-	
MW-24B					818.72			
	12/16/2019	-	4.78	-		813.94	-	
MW-25					826.18			
	12/16/2019	-	8.23	-		817.95	-	
MW-25B					823.81			
	12/16/2019	-	4.53	-		819.28	-	
MW-26					847.56			
	12/16/2019	-	5.51	-		842.05	-	
	11/4/2019	-	7.98	-		839.58	-	
MW-26B					847.81			
	12/16/2019	-	9.19	-		838.62	-	
MW-27					854.11			
	12/16/2019	-	27.55	-		826.56	-	
MW-27B					857.14			
	12/16/2019	-	29.04	-		828.10	-	
MW-28					844.31			
	12/16/2019	-	23.53	-		820.78	-	
MW-29					852.20			
	12/16/2019	-	8.36	-		843.84	-	
MW-30					841.28			
	12/16/2019	-	14.66	-		826.62	-	
MW-31					845.04			
	12/16/2019	-	22.17	-		822.87	-	
MW-32					842.93			
	12/16/2019	-	15.56	-		827.37	-	air sparging on
MW-33T					849.11			
	12/16/2019	-	28.15	-		820.96	-	

Table 2. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation ^{a,b} (ft amsl)	Groundwater Elevation (ft amsl)	Corrected ^c Groundwater Elevation (ft amsl)	Notes
MW-34					816.35			
	12/16/2019	-	2.19	-		814.16	-	
	11/4/2019	-	2.83	-		813.52	-	
MW-35					829.40			
	12/16/2019	-	9.27	-		820.13	-	
MW-36					858.47			
	12/16/2019	-	19.83	-		838.64	-	
	11/4/2019	-	19.84	-		838.63	-	
MW-36B					858.15			
	12/16/2019	-	19.27	-		838.88	-	
MW-37					813.92			
	12/16/2019	-	3.16	-		810.76	-	
	11/4/2019	-	3.37	-		810.55	-	
MW-38					813.28			
	12/16/2019	-	1.20	-		812.08	-	
	11/4/2019	-	1.61	-		811.67	-	
MW-39					819.90			
	12/16/2019	-	4.54	-		815.36	-	
	11/4/2019	-	5.06	-		814.84	-	
MW-40					817.79			
	12/16/2019	-	2.32	-		815.47	-	
	11/4/2019	-	2.84	-		814.95	-	
MW-41					819.68			
	12/16/2019	-	3.81	-		815.87	-	
	11/4/2019	-	4.35	-		815.33	-	
MW-42					820.33			
	12/16/2019	-	4.45	-		815.88	-	
MW-43					818.12			
	12/16/2019	-	3.47	-		814.65	-	
MW-43B					818.80			
	12/16/2019	-	2.19	-		816.61	-	
MW-44					853.67			
	12/16/2019	-	7.83	-		845.84	-	
MW-44B					853.38			
	12/16/2019	-	14.99	-		838.39	-	
MW-45					852.47			

Table 2. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation ^{a,b} (ft amsl)	Groundwater Elevation (ft amsl)	Corrected ^c Groundwater Elevation (ft amsl)	Notes
	12/16/2019	-	14.31	-		838.16	-	
MW-45B					852.85			
	12/16/2019	-	15.70	-		837.15	-	
MW-46					845.47			
	12/16/2019	-	8.34	-		837.13	-	
	11/4/2019	-	10.06	-		835.41	-	
MW-47					842.98			
	12/16/2019	-	19.41	-		823.57	-	
MW-48B					832.34			
	12/16/2019	-	17.91	-		814.43	-	
MW-49					846.78			
	12/16/2019	-	20.10	-		826.68	-	
MW-50B					850.34			
	12/16/2019	-	23.67	-		826.67	-	
MW-51					831.92			
	11/4/2019	-	18.60	-		813.32	-	
MW-52					830.09			
	11/4/2019	-	17.19	-		812.90	-	
MW-53					837.37			
	11/4/2019	-	13.19	-		824.18	-	
MW-54					840.79			
	11/4/2019	-	15.44	-		825.35	-	
MW-55					859.71			
	11/4/2019	-	21.46	-		838.25	-	
MW-56					843.94			
	12/16/2019	-	7.08	-		836.86	-	
	11/4/2019	-	8.88	-		835.06	-	
MW-57					845.63			
	12/16/2019	-	8.87	-		836.76	-	
	11/4/2019	-	10.99	-		834.64	-	
RS-01					849.13			
	12/16/2019	11.73	11.76	0.03		837.37	837.39	

Table 2. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation ^{a,b} (ft amsl)	Groundwater Elevation (ft amsl)	Corrected ^c Groundwater Elevation (ft amsl)	Notes
RS-02					849.52			
	12/16/2019	-	9.82	-		839.70	-	
RS-05					848.31			
	12/16/2019	11.32	11.34	0.02		836.97	836.98	
RS-14					845.97			
	12/16/2019	2.72	2.74	0.02		843.23	843.24	
RT-1A					854.06			
	12/16/2019	-	13.05	-		841.01	-	
RT-1B					854.15			
	12/16/2019	-	12.99	-		841.16	-	
RT-1C					854.55			
	12/16/2019	-	13.64	-		840.91	-	well pressurized
RW-01					851.92			
	12/16/2019	-	13.19	-		838.73	-	
RW-02					852.69			
	12/16/2019	24.59	24.65	0.06		828.04	828.08	
RW-03					852.34			
	12/16/2019	24.78	24.84	0.06		827.50	827.54	
RW-04					853.93			
	12/16/2019	31.46	31.57	0.11		822.36	822.44	
RW-05					853.53			
	12/16/2019	-	33.84	-		819.69	-	
RW-06					846.21			
	12/16/2019	-	26.93	-		819.28	-	
RW-07					843.19			
	12/16/2019	23.19	23.35	0.16		819.84	819.96	
RW-08					835.48			
	12/16/2019	-	16.64	-		818.84	-	
RW-09					835.12			
	12/16/2019	-	14.07	-		821.05	-	
RW-10					848.53			
	12/16/2019	-	13.76	-		834.77	-	
RW-11					852.97			
	12/16/2019	14.10	14.20	0.10		838.77	838.84	well pressurized

Table 2. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation ^{a b} (ft amsl)	Groundwater Elevation (ft amsl)	Corrected ^c Groundwater Elevation (ft amsl)	Notes
RW-12					854.49			
	12/16/2019	-	-	-		854.49	-	well dry
RW-14					827.54			
	12/16/2019	-	5.20	-		822.34	-	
RW-15					851.64			
	12/16/2019	14.23	14.24	0.01		837.40	837.40	
SW-01					812.82			
	12/16/2019	-	1.32	-		811.50	-	
	11/5/2019	-	(0.58)	-		813.40	-	
	10/22/2019	-	(0.16)	-		812.98	-	
SW-02					808.65			
	12/16/2019	-	1.72	-		806.93	-	
	11/5/2019	-	(1.62)	-		810.27	-	
	10/22/2019	-	(1.55)	-		810.20	-	
SW-03					815.09			
	12/16/2019	-	0.70	-		814.39	-	
	10/22/2019	-	NM	-		-	-	
SW-05					838.75			
	12/16/2019	-	NM	-		-	-	
	10/22/2019	-	NM	-		-	-	
SW-08					802.04			
	12/16/2019	-	1.06	-		800.98	-	
	11/5/2019	-	(1.04)	-		803.08	-	
	10/22/2019	-	(0.70)	-		802.74	-	
SW-10					778.09			
	12/16/2019	-	0.65	-		777.44	-	
	11/5/2019	-	(0.66)	-		778.75	-	
	10/22/2019	-	(0.40)	-		778.49	-	

Table 2. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation ^{a b} (ft amsl)	Groundwater Elevation (ft amsl)	Corrected ^c Groundwater Elevation (ft amsl)	Notes
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Notes.

^a Elevation of zero mark (ft amsl) for surface water staff gauges.

^b "RS-" and "RT-" features were trimmed to less than 12 inches above ground surface on March 14, 2017. Only the resurveyed top of casing elevation after trimming is displayed. Groundwater elevation calculations are based on the true top of casing elevation at the time of gauging.

^c Calculated based on an oil: water density ratio of 0.73.

Bold indicates the gauged product thickness was greater than 0.5 foot.

- = not applicable

amsl = above mean sea level

BTOC = below top of casing

DRY = well contained no measurable water or product

"B" designation in the location ID indicates bedrock well.

amsl = above mean sea level

MW = monitoring well

BTOC = below top of casing

NM = not measured

RW = recovery well

ft = feet

RS = recovery sump

SW = surface water

ID = identification

RT = recovery trench

TW = temporary piezometer well

The following features are no longer reliable for calculating groundwater elevation:

- RS-03 was abandoned on October 19, 2015.
- RS-19 was damaged on or about January 20, 2017.
- RT-2H was covered over on or about January 17, 2017, due to construction efforts in the vicinity.
- TW-46 was damaged on or about December 8, 2016.
- RW-13 is no longer accessible due to health and safety issues.



LEGEND

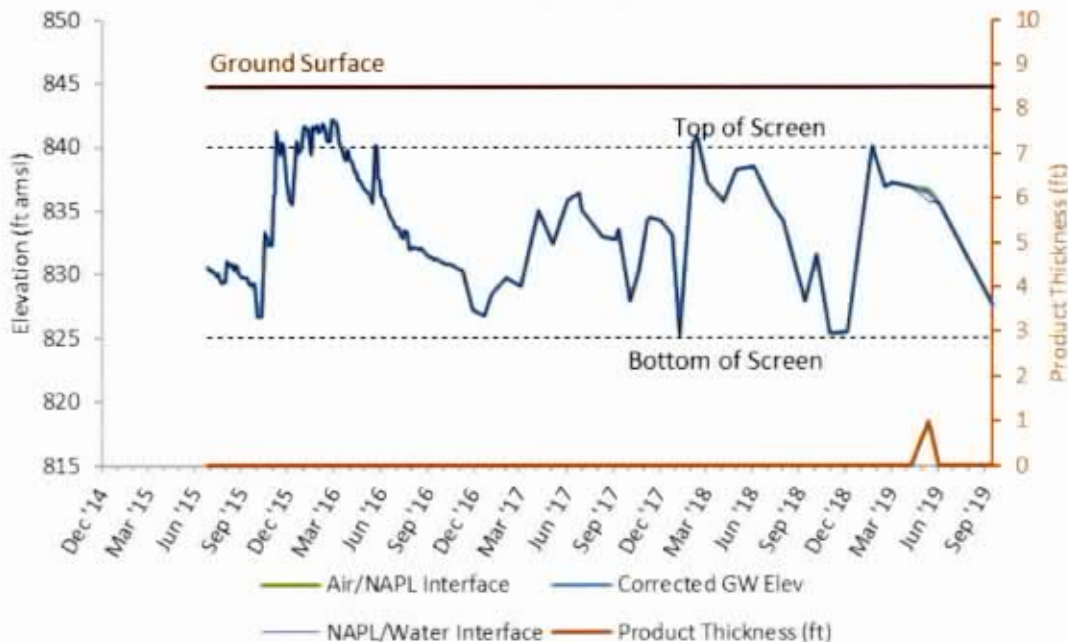
- ★ Release Point
- Monitoring Well
- Bedrock Monitoring Well
- ◇ Seep Location
- Recovery Sump
- Piezometer ("R" indicates Replacement)
- Recovery Well (4-inch diameter)
- Well Contains Product as of 9/16/19
- Vertical Bedrock Sparging Well
- Vertical Saprolite Sparging Well
- Surface Water Sampling Location
- ▲ Septic Tank
- Recovery Trench Extraction Point
- Recovery Trench
- Surface Water Flow Direction
- Horizontal Sparging Well Riser
- Horizontal Sparging Well Screen
- Pipeline
- Waterbody
- - Intermittent Stream
- Delineated Wetland
- ⊗ Beaver Dam
- Detail Area

0.02 Product thickness in feet as of 9/16/2019
 NP No product detected
 NM Not measured

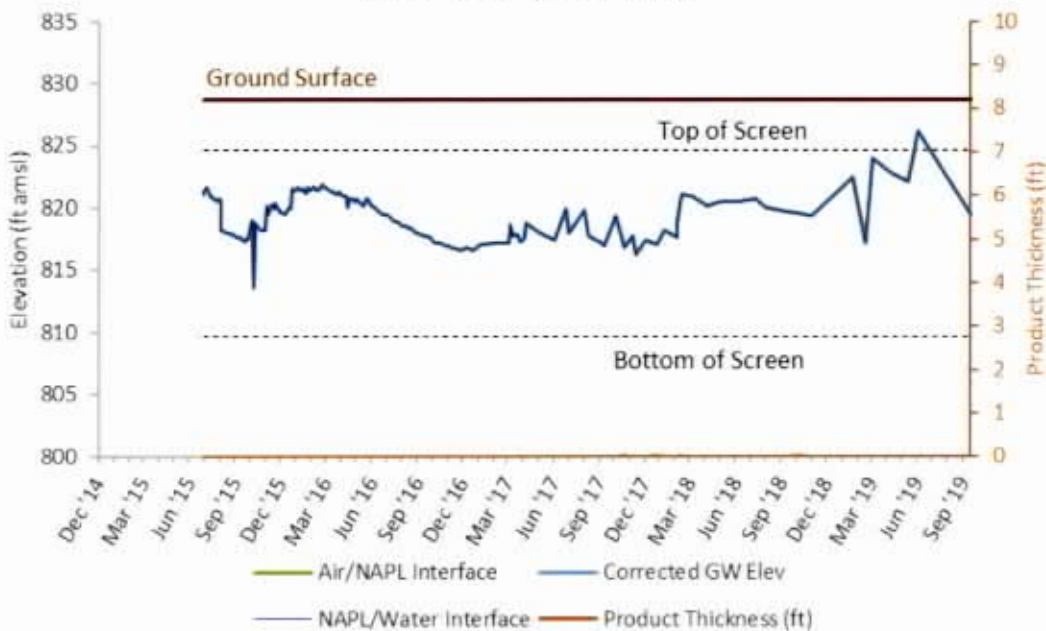
Base Map Sources:
 *Environmental Systems Research Institute (Esri) ArcMap World Imagery, 2018. Basemap features are approximate.
 *United States Geological Survey (USGS) National Hydrography Dataset (NHD)

Figure 1. Site Features with Measurable Product
 Lewis Drive Remediation Site
 Belton, South Carolina
 Site ID #18693 "Kinder Morgan Belton Pipeline Release"

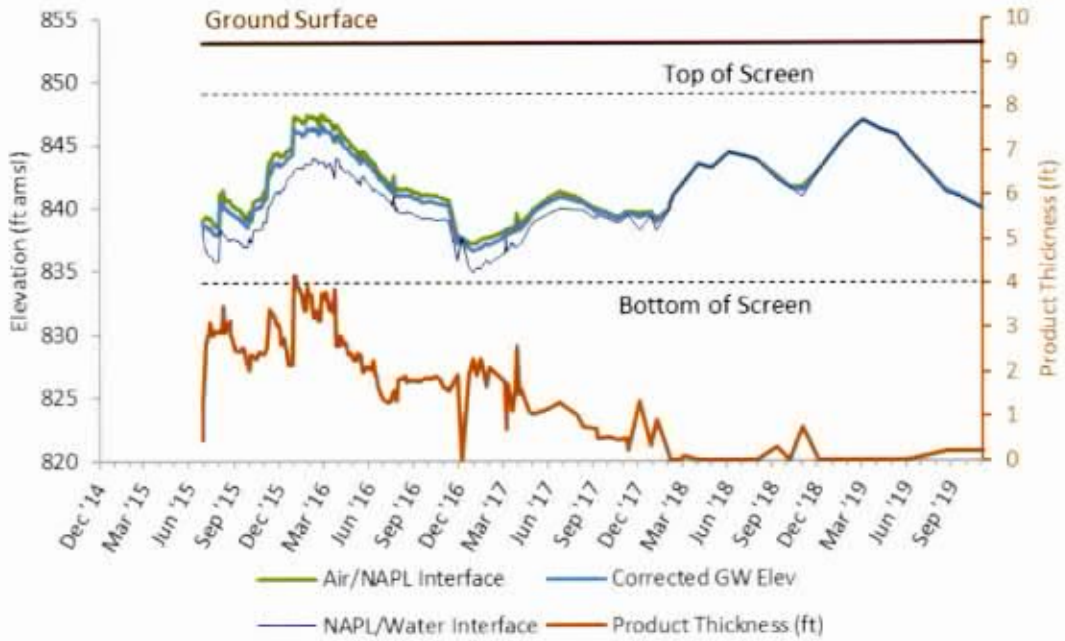
MW-08 Hydrograph



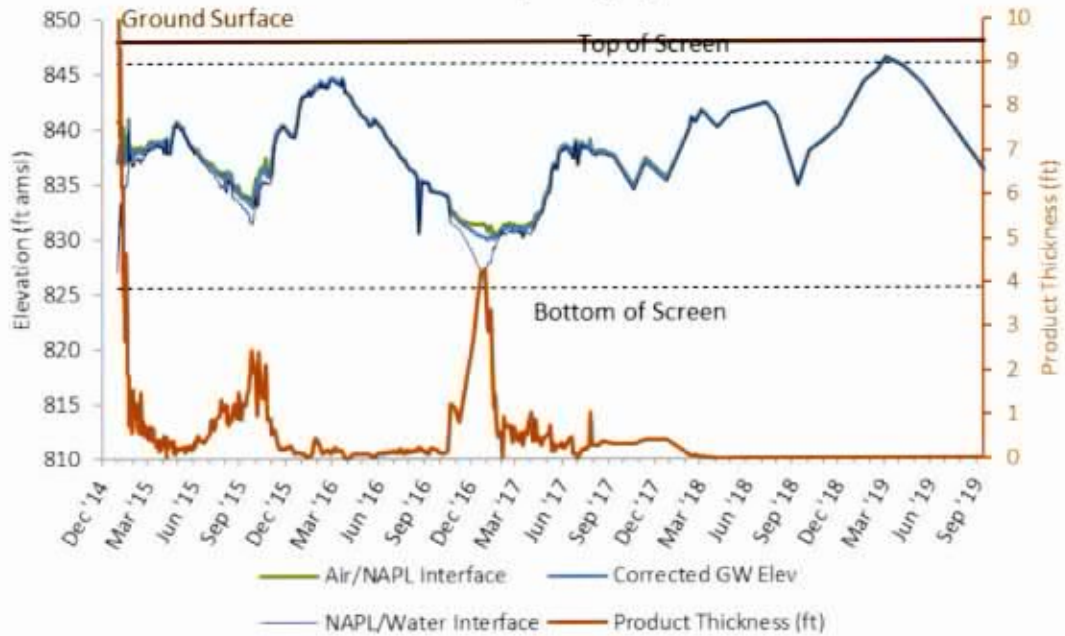
MW-15 Hydrograph



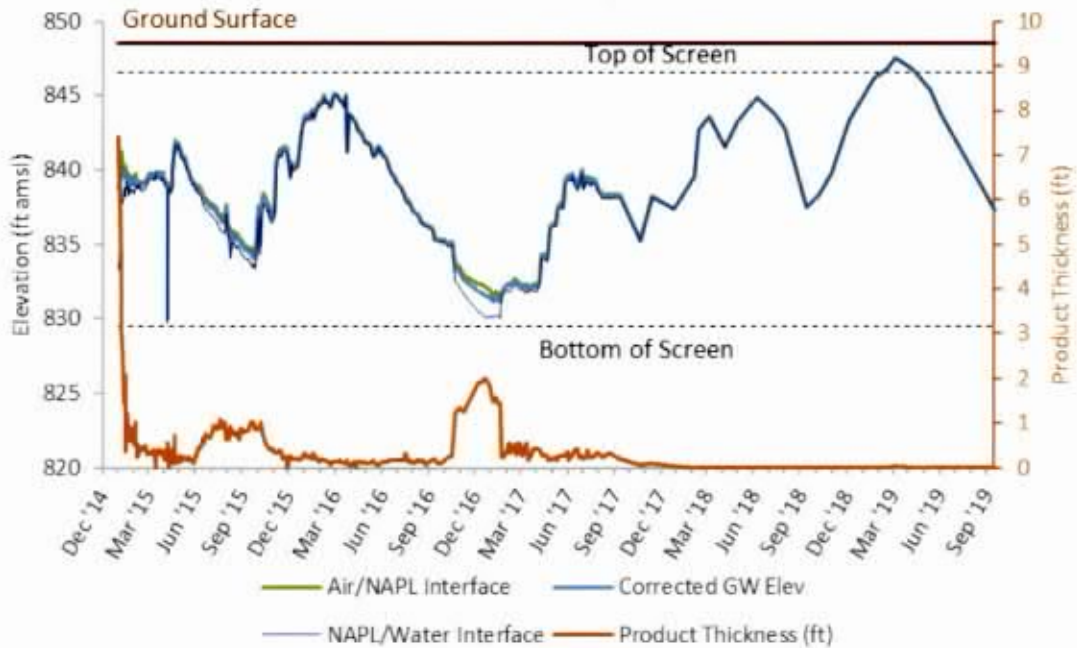
MW-20 Hydrograph



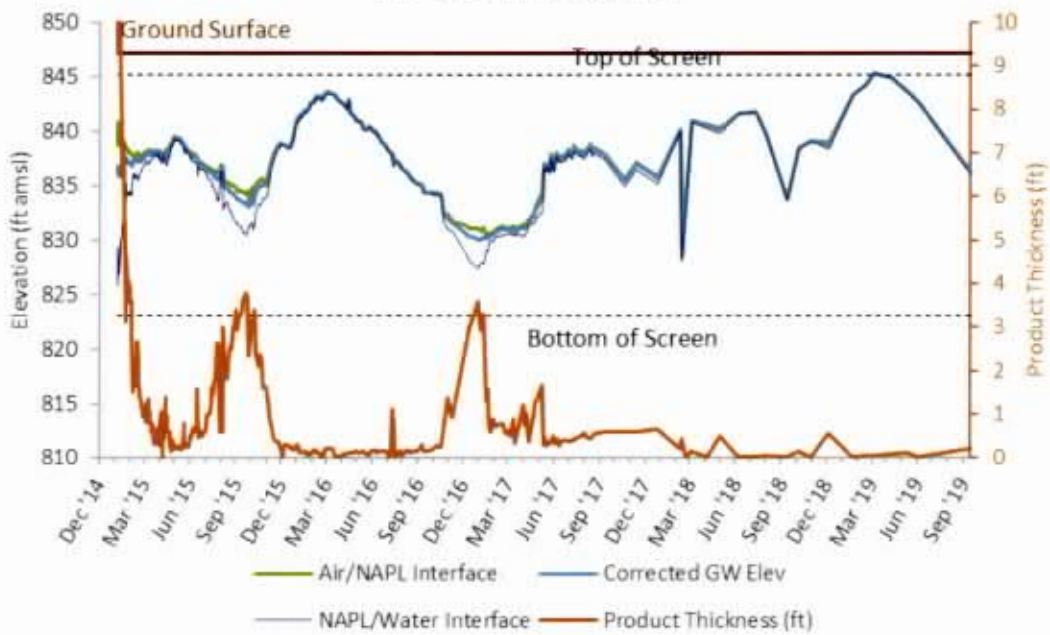
RS-01 Hydrograph



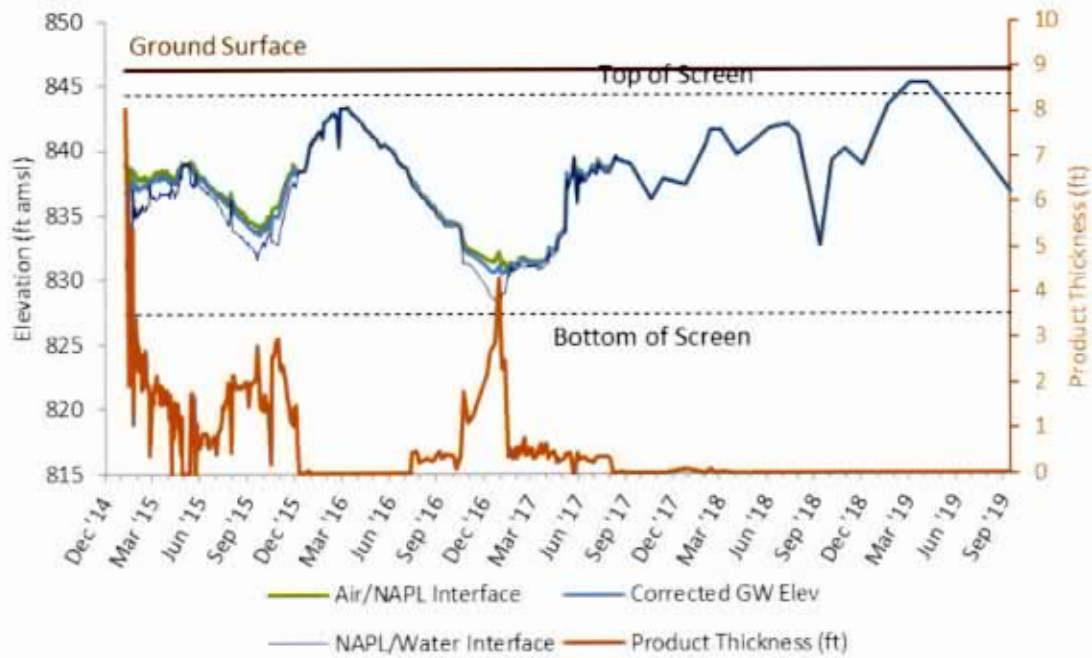
RS-02 Hydrograph



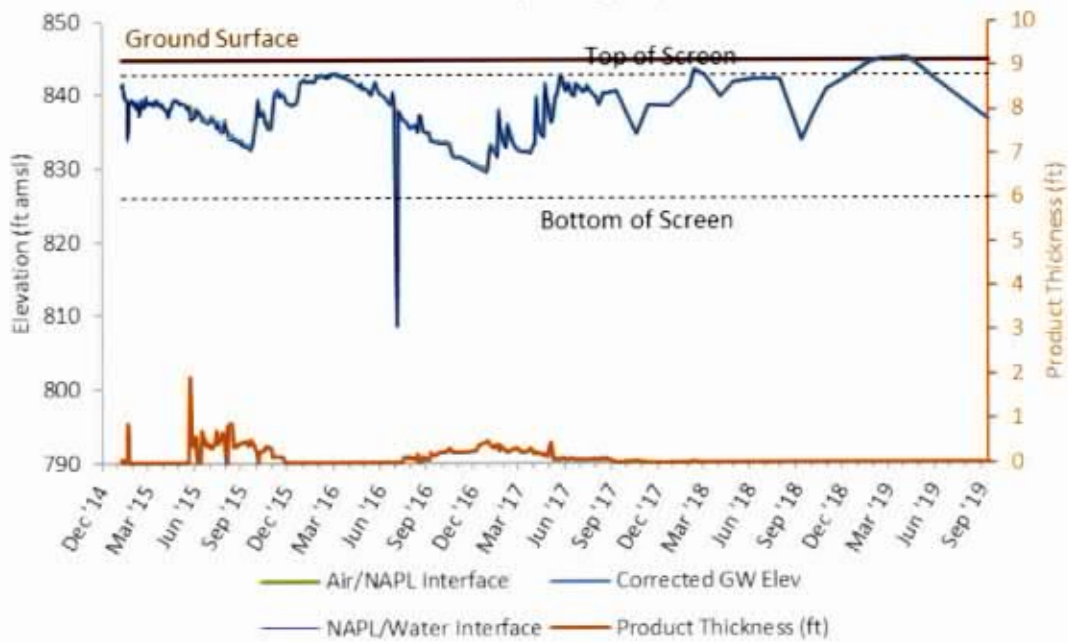
RS-05 Hydrograph



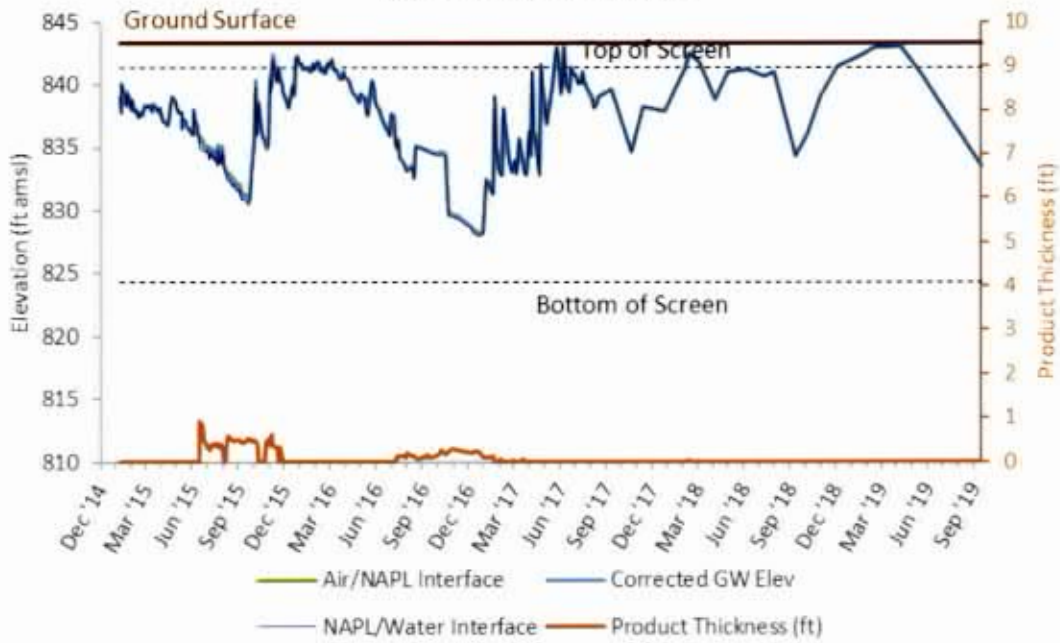
RS-10 Hydrograph



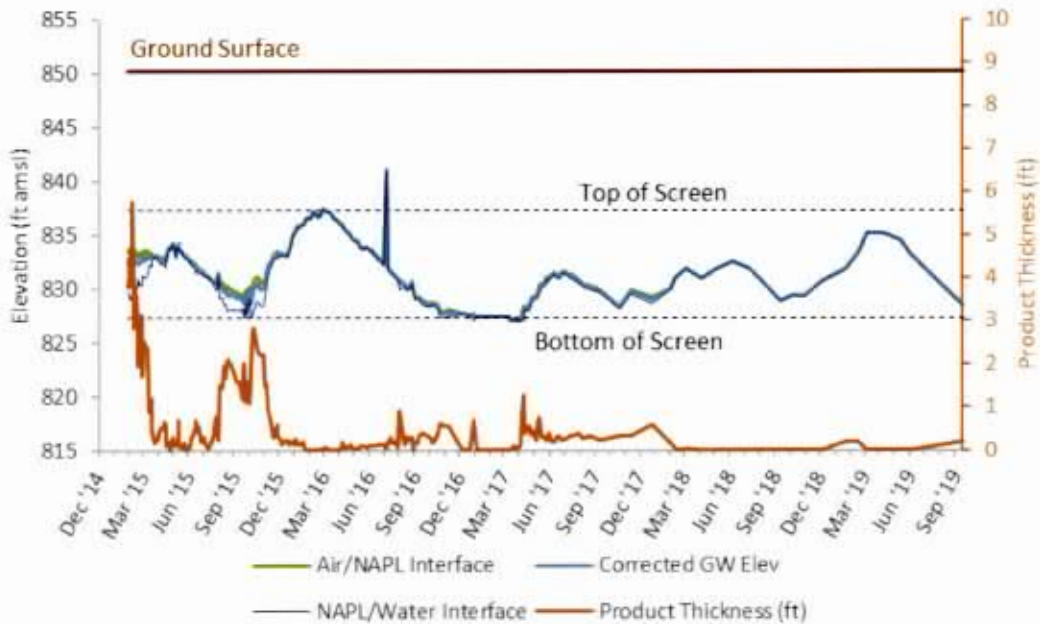
RS-14 Hydrograph



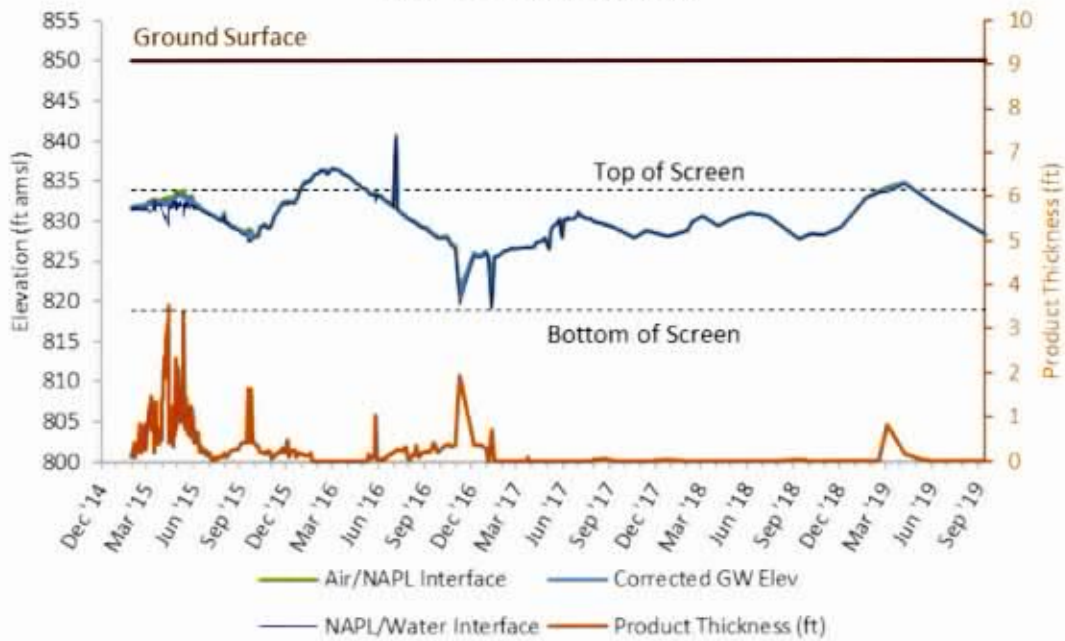
RS-17 Hydrograph



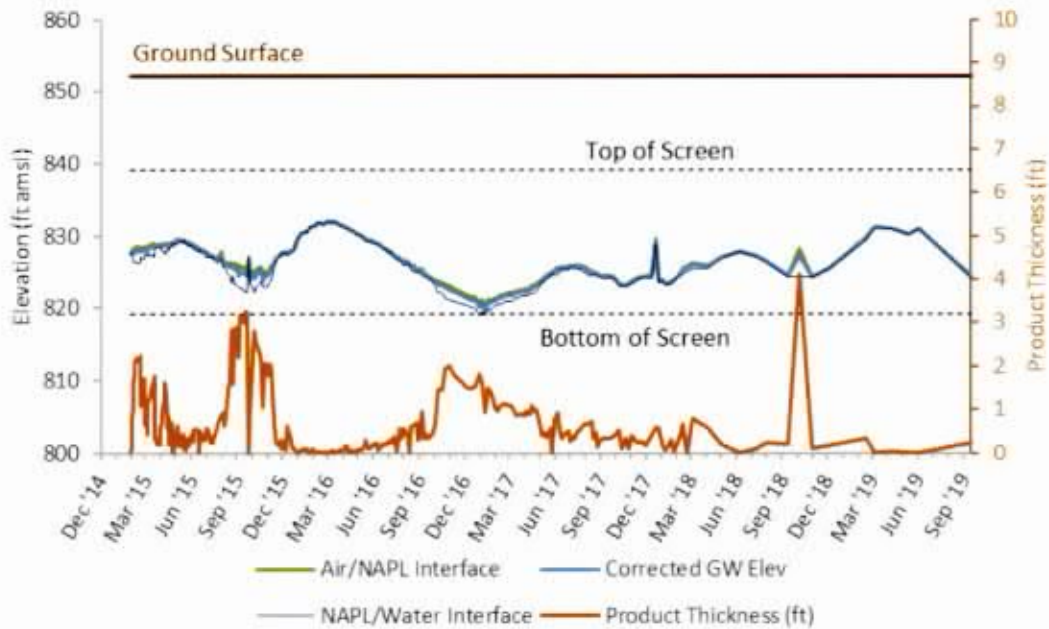
RW-02 Hydrograph



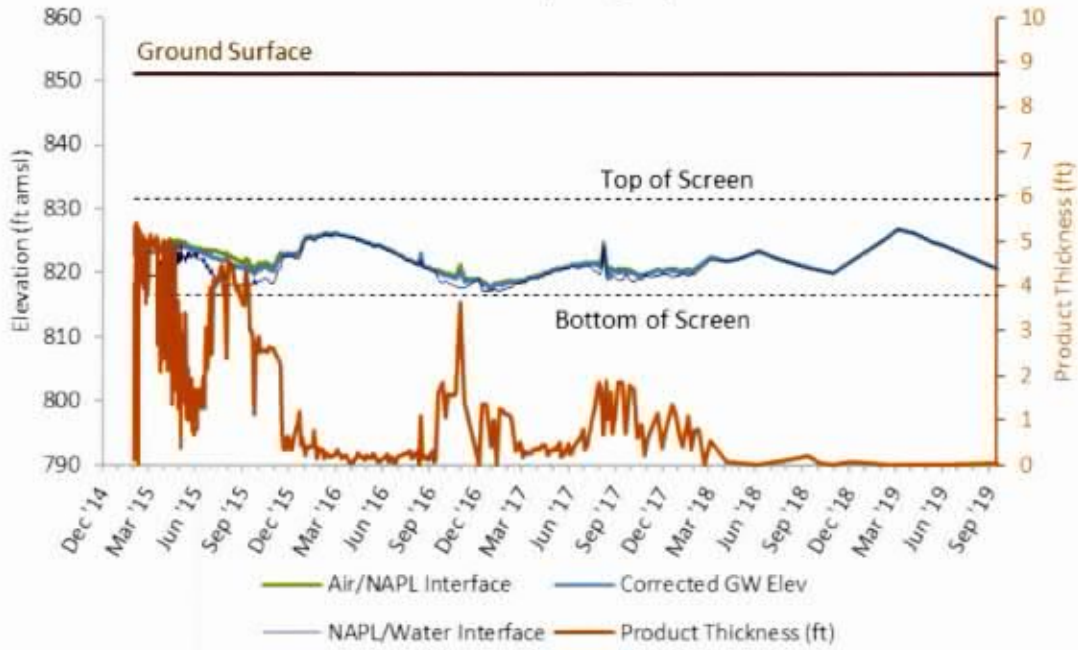
RW-03 Hydrograph



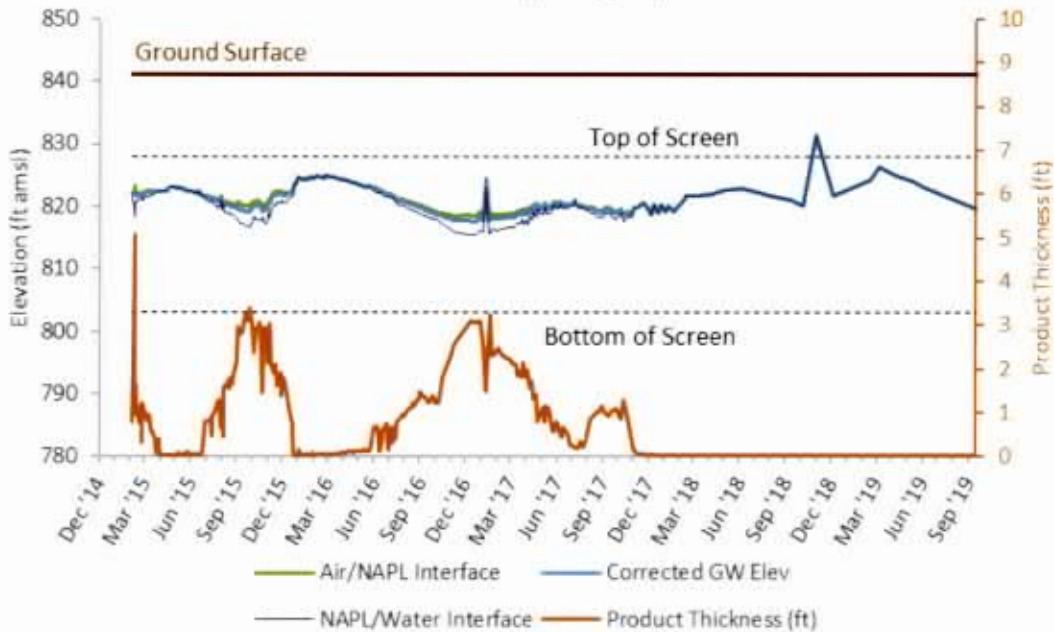
RW-04 Hydrograph



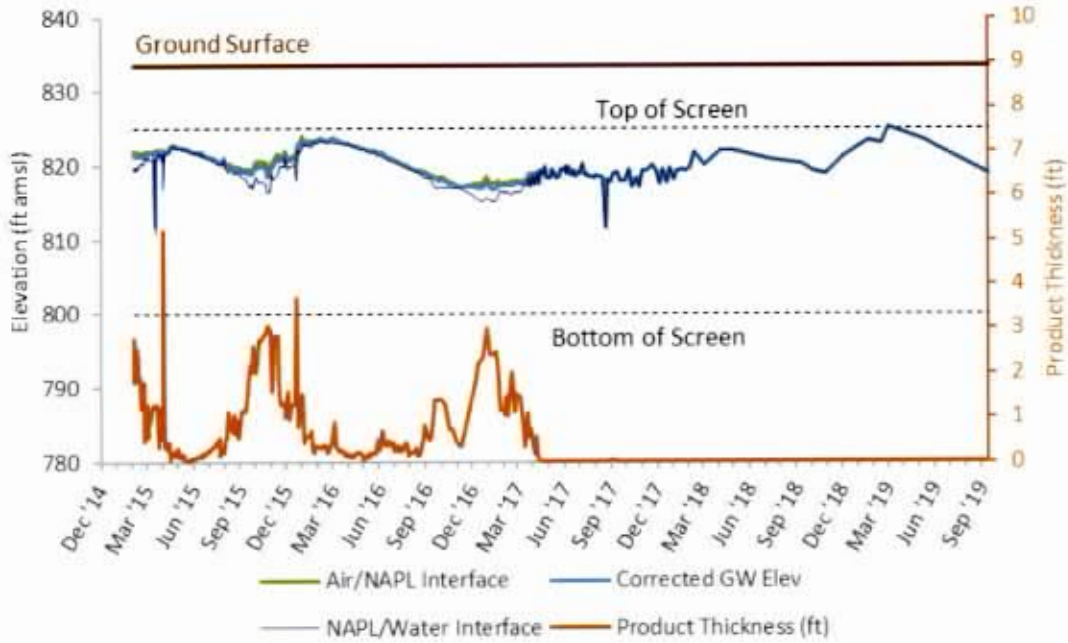
RW-05 Hydrograph



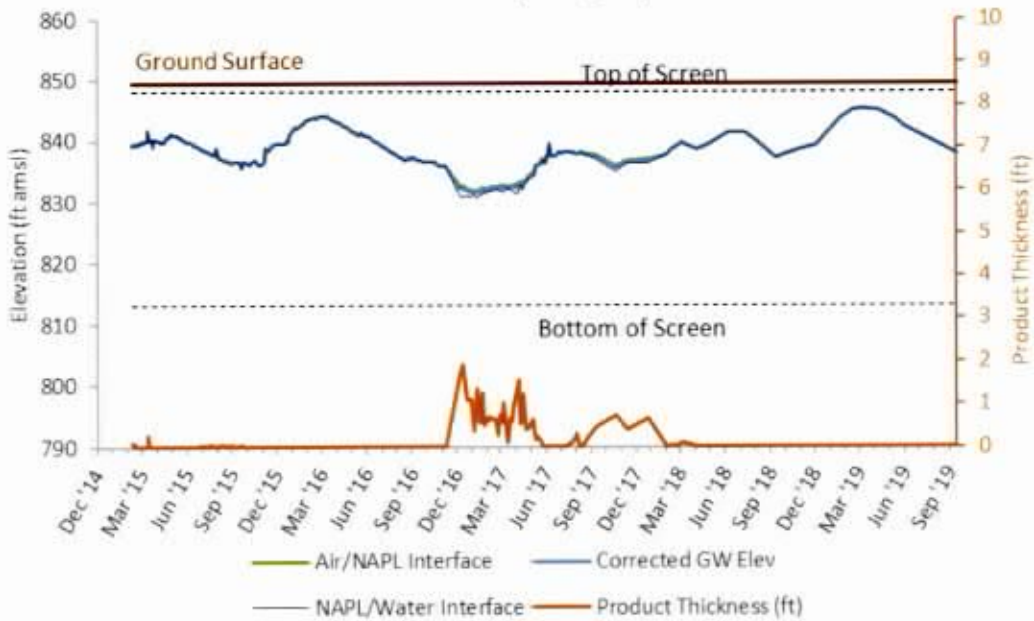
RW-07 Hydrograph



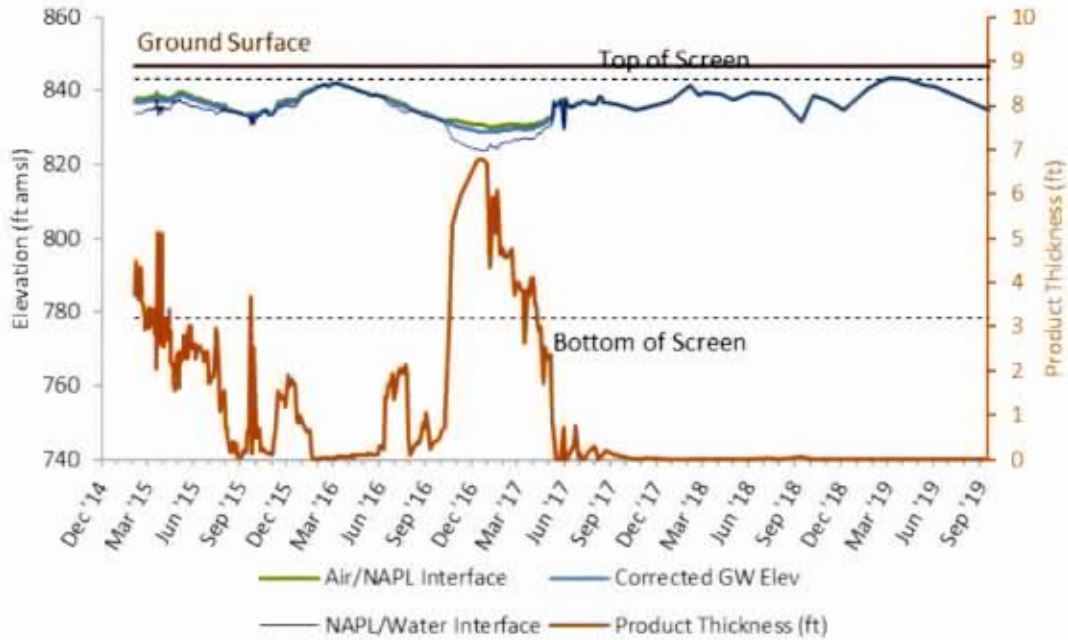
RW-08 Hydrograph



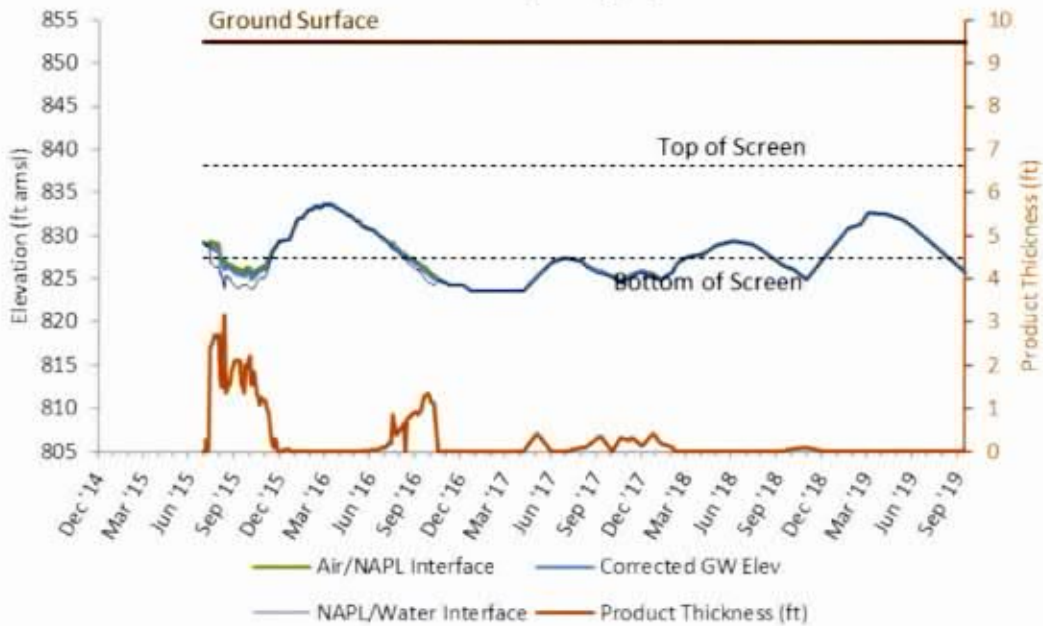
RW-15 Hydrograph



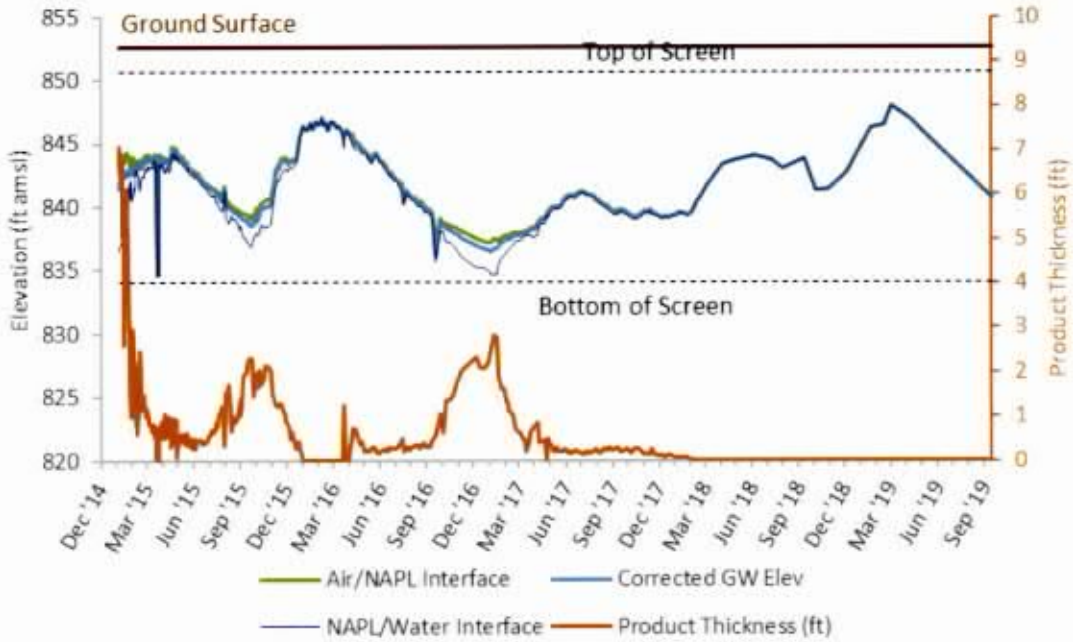
RW-10 Hydrograph



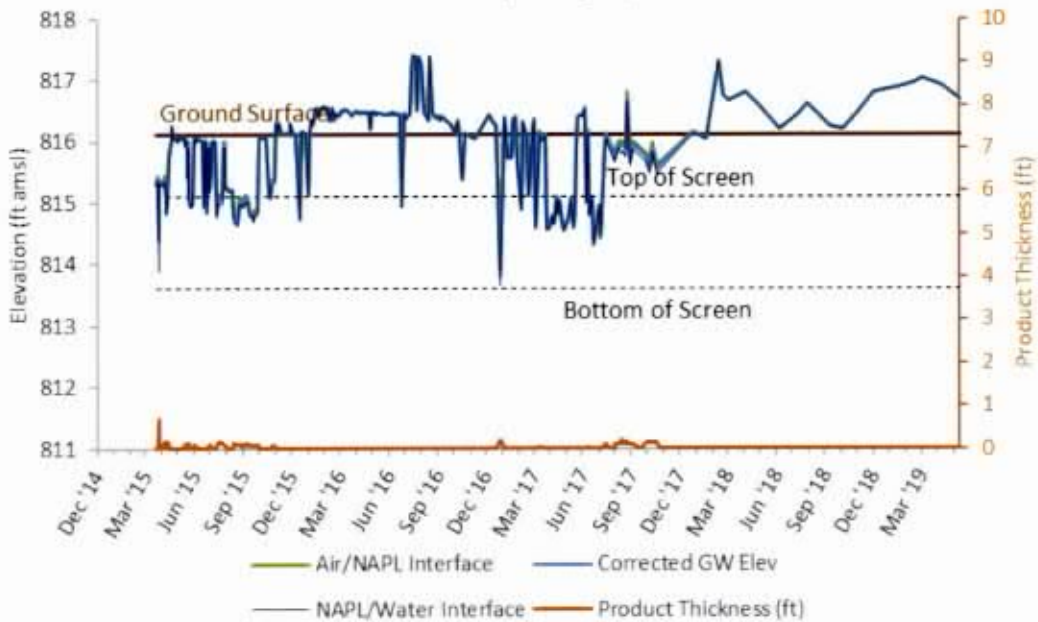
MW-11 Hydrograph



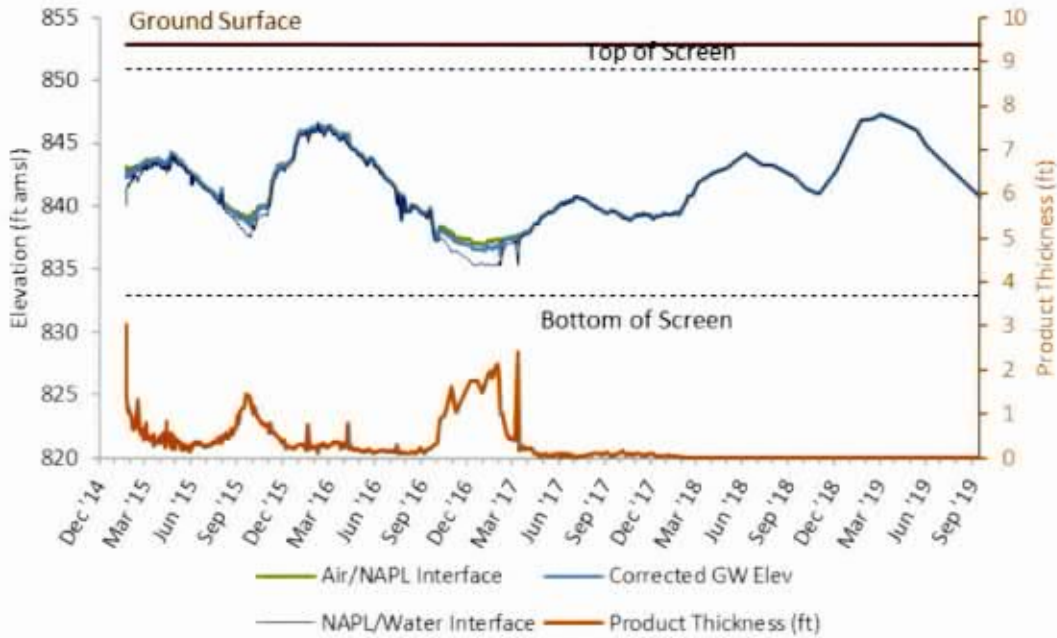
RS-08 Hydrograph



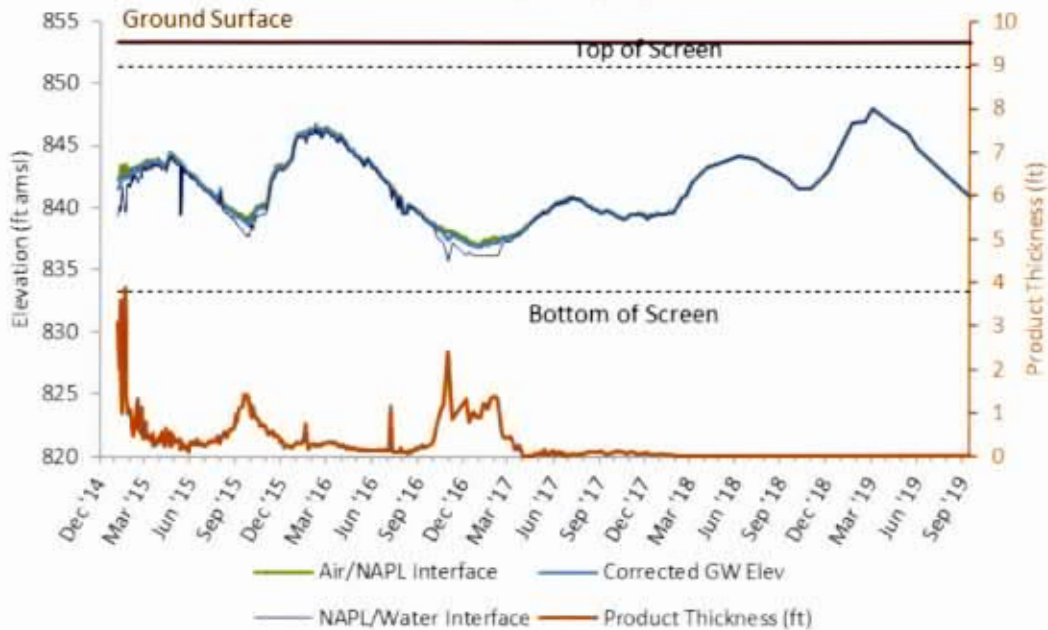
RT-2K Hydrograph



RT-1A Hydrograph



RT-1B Hydrograph



Attachment A – Product Thickness Trends

RT-1C Hydrograph

