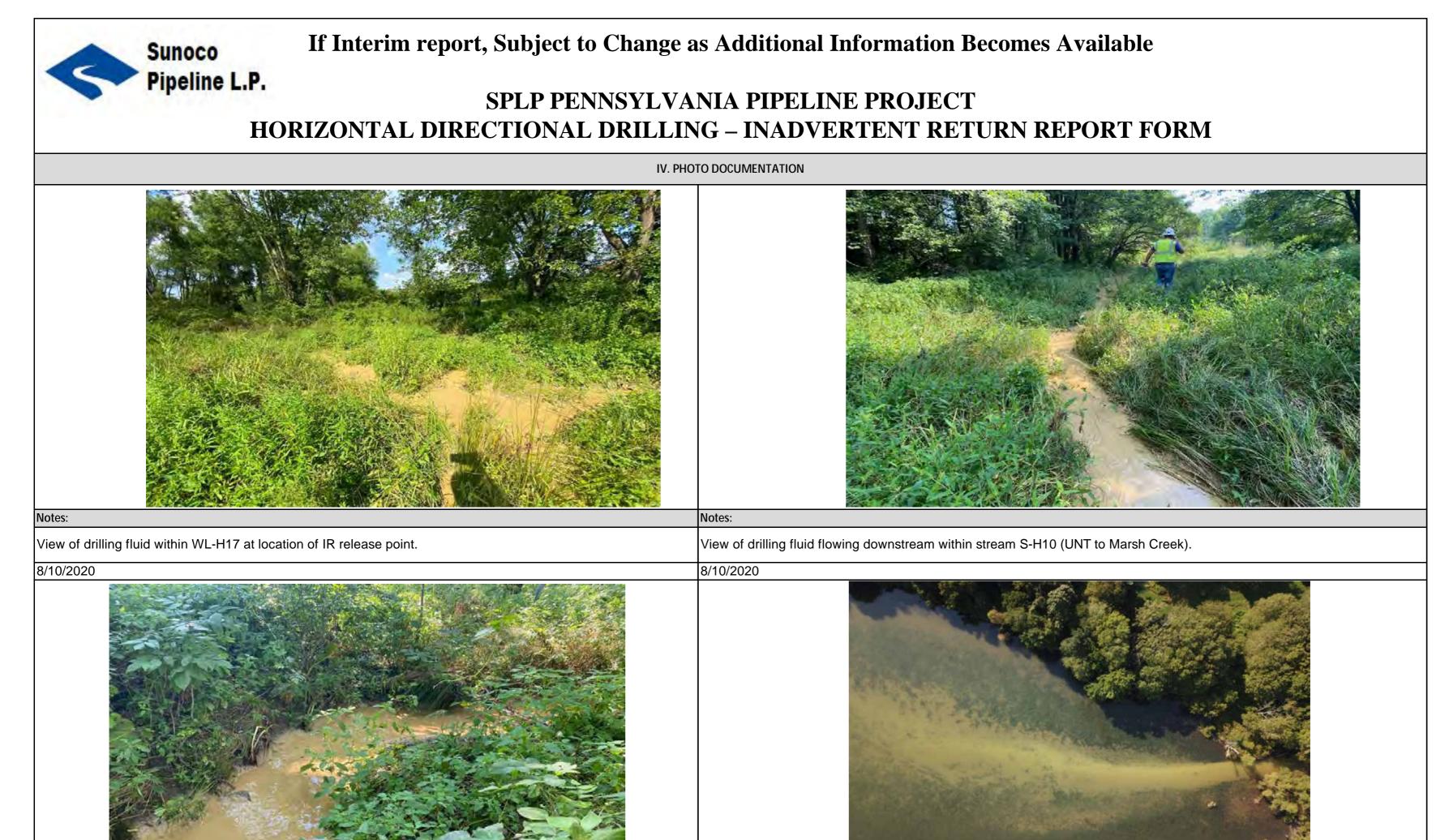
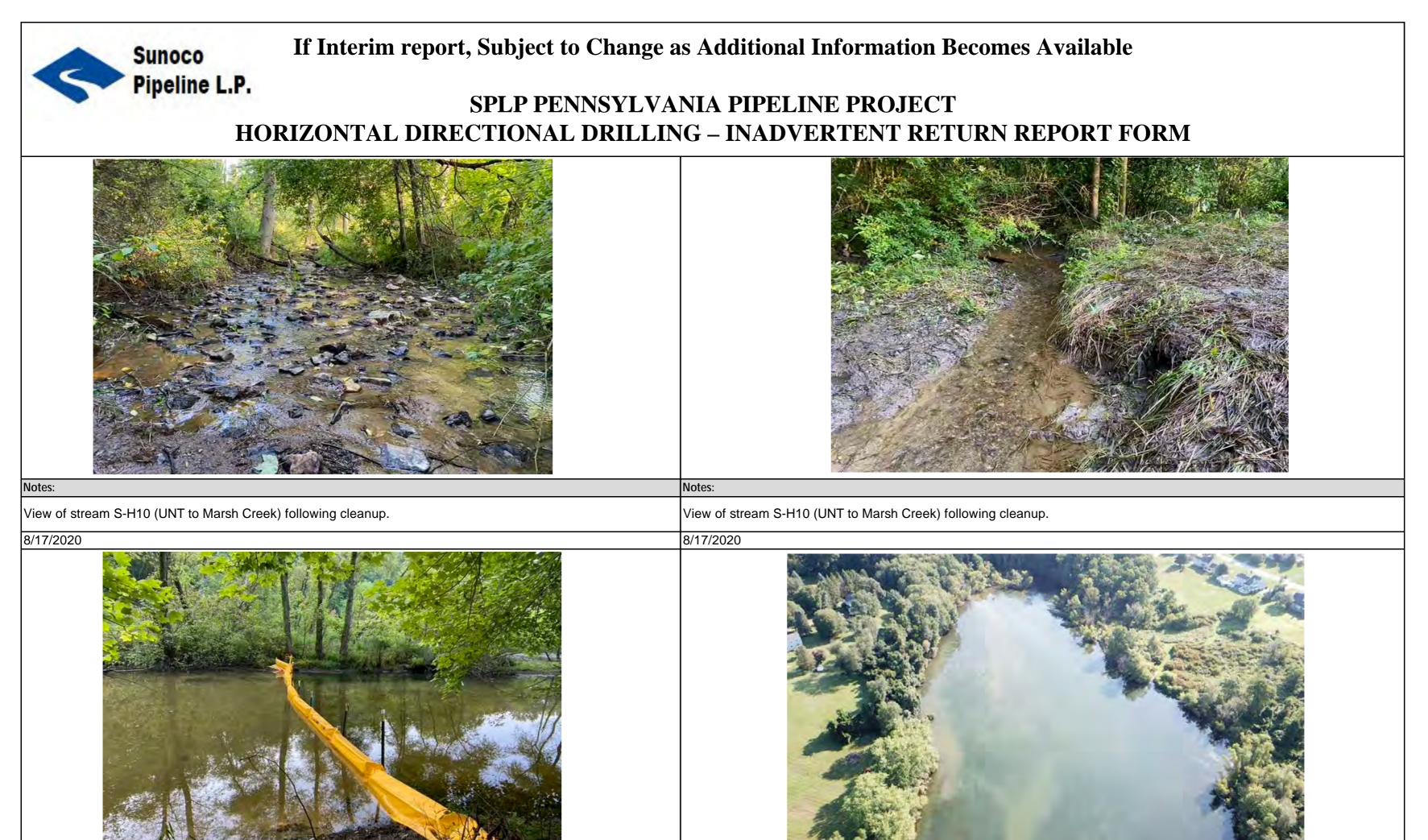
	Sunoco Pipeline L.P.	erim Report, this Report is cumulati	ve, containing i SPLP PENI	nformation from NSYLVANIA PIP	ELINE PROJECT	ew information a	nd may change		
INTERIM REPORT	IF INTERIM, SEE NOTE NOTE ABOVE.	down S-H10 and entered por notification of the inadverten approximately 10' x 20' and a of the IR. Two turbidity curta constructed within S-H10 (U pond H3 (Marsh Creek Rese spray remaining bentonite po WL-H17. On 8/12/2020 the structure remains in place at H11 and S-H10. Additional remains in place at the initial H10. On 12/19/20 two earth Feature one received 13 cubi HDD S3-0290 alignment wi small diameter, shallow earth alignment of HDD S3-0290. evidence that the features we additional 1.5 cubic yards of area will continue to be moni- being completed and results a	HORIZONTAL DIRECTIONAL DRILLING – INADVERTENT RETURN REPORT FORM Interim Report 40: On 8/10/2020 at approximately 1530 hours, drilling fluid emerged within wetland WL-1117, and entered streams S-1111 and S-1110. The drilling fluid continued to flow down S-H10 and entered pond H3 (Marsh Creek Reservoir). The drill was in the ream phase at the time of release, with a volume of 7,712 gallons of drilling fluid released (The initial notification of the inadvertent return was estimated to be 1,000 gallost. This estimate was provided by the onsite PG and was based on the surface dimensions of the emergence, approximately 10° x 20° and several inches deep. The number was revised after discussion with the driller and collection of survey data.). Drilling was immediately stopped upon discovery of the IR. Two urbidity curtains were installed at the confluence of S-H10 (UNT to Marsh Creek) and pond H3 (Marsh Creek Reservoir). Ten sand bag and sill fence dams were constructed within S-H10 (UNT to Marsh Creek). Crew members began clean up and recovery of the drilling fluid and transport it to onsite storage tanks. Stream water was pumped and used to spray remaining bentonite pockets within stream S-H10 (UNT to Marsh Creek). On 8/11/2020, a subsidence feature was discovered at the location of the inadvertent return, within wetland WL-H17. On 8/12/2020 the subsidence was filled with approximately 26 cubic yards of flowable fill. As of 8/17/2020, one containment dam remains within S-H10, the containment structure remains in place at the initial IR location, and two turbidity curtains remain at the confluence of stream S-H10 and pond H3. Drilling fluid has been recovered from WL-H17. S- H11 and S-H10. Additional survey is in progress to implement a recovery plan for drilling fluid within pond H3. No drilling is in process. As of 8/31/2020, the containment structure remains in place at the initial R location, and two turbidity curtains remain at the confluence of stream S-H10 and pond H3. Drilling fluid has been recovered from WL						
<b>REPORT DATE:</b>	Current as of 5/18/2021	i	HDD A	LIGNMENT #	PA-CH-100.0000-RD				
<b>PROJECT SITE:</b>	PPP 6 - S3-0290 - Milford Rd./Little	e Conestoga Rd	HDD	COMPANY:	Michels Directional Crossing				
	AND TIME WHEN IR WAS INIT	TIALLY DISCOVERED		DATE:	8/10/2020		TIME:	1530	
LOCATION: STREET	427-423 Green Valley Rd, Downing	town, PA 19335	MUN	ICIPALITY:	Upper Uwchlan		COUNTY:	Chester	
LATITUDE:	40.0794 <b>LONGIT</b>	<b>UDE:</b> -75.7104	FROM	<b>I STATION:</b>	14824+00		<b>TO STATION</b>	14824+00	
STREAM NAME:	S-H10 (UNT to Marsh Creek), S-H1	1 (UNT to Marsh Creek)	POND /	LAKE NAME:	Pond H3 (Marsh Creek Reserve	oir)	WETLAND NAME:	WL-H17 (PEM, PFO)	
DEP PERMIT Nos.	E&S Permit # ESG0100015001, Wa	ater Obstruction Permit E15-862							
(102 AND 105) CORPS PERMIT	DASDCD 5 (insued April 12, 2017)								
NO.	PASPGP-5 (issued April 12, 2017)								
	PPP6_PA-CH-0100.0000-RD_Milfo	ordRd_IRInterim_40_051921							
IS AUGUST 8, 2017 ORDER	VES LISTED IN Y		DESCRIPT	'ION IN EXHIBI'	<b>Γ</b> HDDs for Reevaluation				
APPLICABLE?	EXHIB								
		COM	PLETE THE F	OLLOWING QU	JESTIONS IF APPLICABLE:				
1. IS THE IR ON-G of all IRs.	OING? Provide dates, times, and o	duration NO	NOTE:	On 8/10/20 at approximately 1530 hours, approximately 7,712 gallons of drilling fluid emerged within WL-H17, and entered streams S-H11 and S-H10. The drilling fluid continued to flow down S-H10 and entered pond H3 (Marsh Creek Reservoir). The IR ceased emerging after drilling was stopped.					
2. HAS THE IR CEA	ASED? Provide date and time for	each IR. YES	NOTE:	On 8/10/20 at approximately 1530 hours, approximately 7,712 gallons of drilling fluid emerged within WL-H17, and entered streams S-H11 and S-H10. The drilling fluid continued to flow down S-H10 and entered pond H3 (Marsh Creek Reservoir). The IR ceased emerging after drilling was stopped.					
3. WHEN WAS DRI time for each IR.	ILLING STOPPED? Provide date	and Drilling was immediately sto	opped on 8/10/20	20 at approximatel	y 1530 hours.				
4. VOLUME OF IR	(CURRENT ESTIMATE)?	Approximately 7,712 gallons	5						
	DLUME RELEASE REPRESENT A RELEASED SINCE THE RELEAS		NOTE:	Approximately 7,712 gallons of drilling fluid emerged on 8/10/2020.					
5. HAS THIS VOLU REPORT? IF SO, H	UME CHANGED SINCE THE LA HOW?	ST NO	NOTE:						
6. WHAT IS THE D and times.	OURATION OF EACH IR? Provid	le dates The IR ceased emerging on 8	8/10/2020 at 153	0 hours after the IF	R was discovered and drilling was st	topped.			
7. WHAT STEPS W Provide dates and th	ERE TAKEN TO STOP EACH IF mes.	R? H10 (UNT to Marsh Creek).	Crew members	s began clean up an s and hand tools to	d recovery of the drilling fluid starti	ing at the location	of the IR release point wor	nd silt fence dams were constructed within S king their way towards pond H3 (Marsh as pumped and used to spray remaining	
	ONS TO THE DRILLING WERE RIOR TO EACH RESUMPTION de dates and times.	OF							
8a. What was the tec	chnical basis for resuming drilling?								
9. WAS THE DRILI and duration for eac	LING RESUMED? Provide dates, ch IR.	times, NO	NOTE:						
9A. IF SO, HAS ANd dates and times for e	OTHER IR OCCURRED? If YES each IR.	, provide NO	NOTE:						
10. HAS IR BEEN C times, and measures	CONTAINED? If YES, Provide dat s for each IR.	tes, YES	NOTE:	•	tains were installed at the confluence as were constructed within S-H10 (U			H3 (Marsh Creek Reservoir). Ten sand bag	
11. HAS A FISH KI times, and measures	LL OCCURRED? If YES, Provide for each IR.	e dates, NO	NOTE:						
12. ARE FISH AND DISTRESS?	OR OTHER AQUATIC LIFE IN	NO	NOTE:						
	TE OF THIS REPORT, DOES DR N THE WETLAND OR	AILLING YES	NOTE:	Drilling fluid rem	ains in pond H3 (Marsh Creek Rese	ervoir)			
TURBIDITY IN TH	TICEABLE HIGH LEVELS OF HE WATERCOURSE? If YES, Pro ration for each IR.	ovide YES	NOTE:	Drilling fluid rema	ains in pond H3 (Marsh Creek Rese	ervoir)			

15. HAS FLUID LOSS OCCURRED? (IF KNOWN) If YES, Provide dates, times, and duration for each loss of fluid.	YES	<b>NOTE:</b> 500 gallon loss on 3/3/2020.
16. CORRECTIVE MEASURES IMPLEMENTED NOT PREVIOUSLY LISTED ABOVE? Provide dates and times for each IR.		
<b>17. DESCRIPTION OF IMPACTS INCLUDING TIMES, DATES, AND DURATION OF EACH IMPACT.</b>	Drilling fluid emerged within 8/10/20.	in wetland WL-H17, and entered streams S-H11 and S-H10. The drilling fluid continued to flow down S-H10 and entered pond H3 (Marsh Creek Reservoir) on

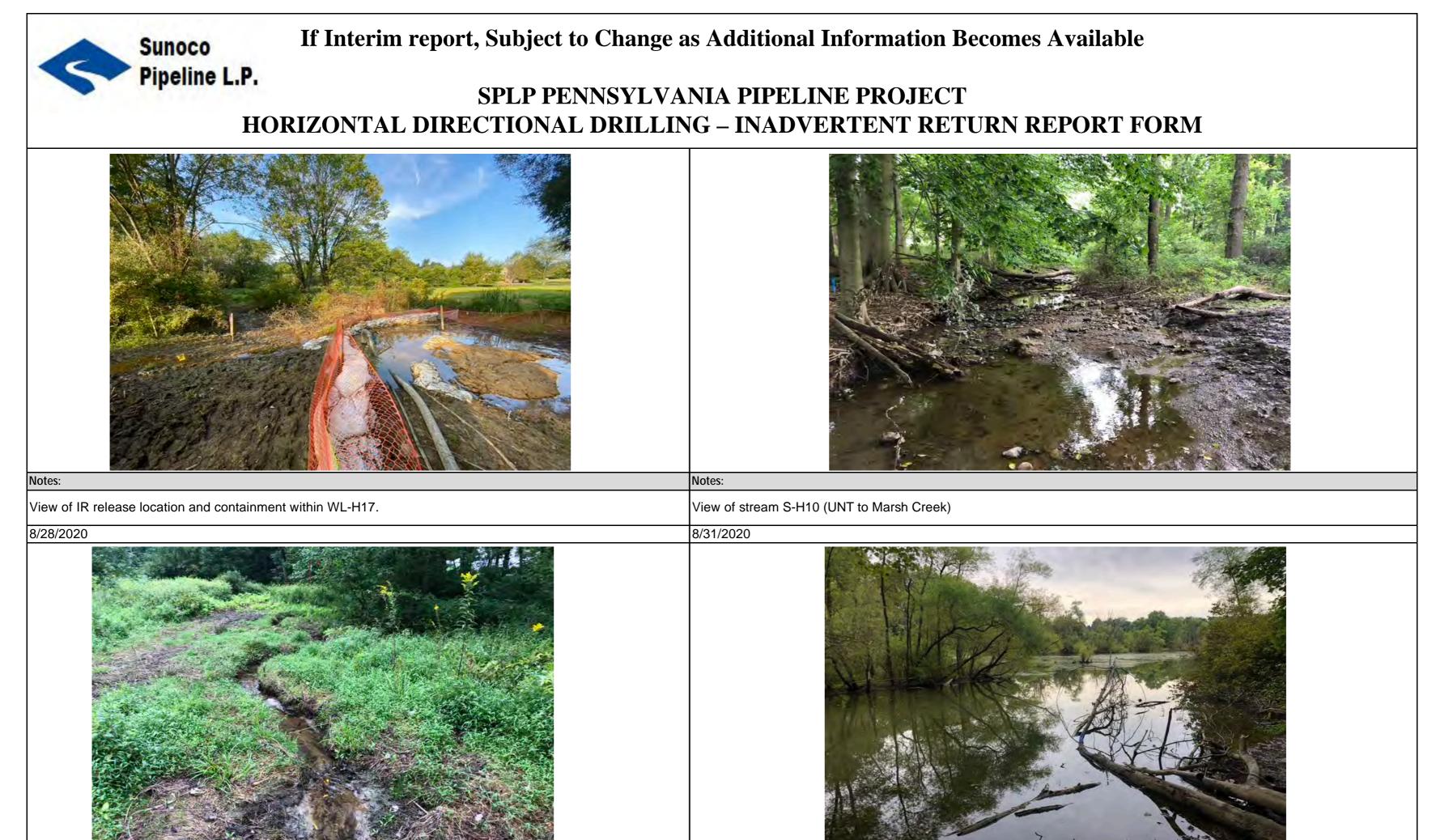
LIST AN	NY NOTIFICATIONS OF INCIDENT MAI	<b>DE TO WATER INTAKES,</b>	, WATER WELL	OWNERS AND	LANDOWNER	RS, INCLUDIN	G DATE AND	TIME WHEN EACH	NOTIFICATION OCCURRED:
NAME:	2 Private Well Owners	DATE:	8/11/2020	TIME:		PUBLIC OR PRIVATE:	Private	NOTE:	Letters sent.
NAME:	1 Public Water Supply	DATE:	8/10/2020	TIME:	1625	PUBLIC OR PRIVATE:	Public	NOTE:	Informed of release on 8/10, letter sent on 8/11.
NAME:		DATE:		TIME:		PUBLIC OR PRIVATE:		NOTE:	0/11.
NAME:		DATE:		TIME:		PUBLIC OR		NOTE:	
						PRIVATE: PUBLIC OR			
NAME:		DATE:		TIME:		PRIVATE: PUBLIC OR		NOTE:	
NAME:		DATE:		TIME:		<b>PRIVATE:</b>		NOTE:	
NAME:		DATE:		TIME:		PUBLIC OR PRIVATE:		NOTE:	
	NAN	IE OF ALL PERSON(S) PF	ROVIDING INFO	RMATION FO	R THIS REPOR	T AND CONT	ACT INFORM	IATION	
NAME:	Josh Prosceno	PHONE:	570-336-9606		EMAIL:	josh.prosceno@	etetratech.com	TITLE:	LEI
	Chris Cable		518-533-9847		EMAIL:	chris.cable@te	tratech.com	TITLE:	Environmental Inspection Manager
NAME:		PHONE:			EMAIL:			TITLE:	
NAME:		PHONE:			EMAIL:			TITLE:	
NAME:		PHONE:			EMAIL:			TITLE:	
			IMP	ACTED RESOU	<b>``</b>				
<b>RESOURCE:</b>	WETLAND WL-H17	SURFACE WATER CLASSIFICATION OR WETLAND TYPE:	PEM	/PFO	IMPACTS?	OR MITIGATE 7	<b>HE</b>	Drilling fluid recovered	containment constructed at release point. using hand tools and pumps.
<b>RESOURCE:</b>	STREAM S-H10	SURFACE WATER CLASSIFICATION OR WETLAND TYPE:	DRAINS T	O HQ-TSF		HAVE BEEN TA R MITIGATE I		C C	containments constructed within stream. using hand tools and pumps.
<b>RESOURCE:</b>	STREAM S-H11	SURFACE WATER CLASSIFICATION OR	DRAINS T	O HQ-TSF	ELIMINATE C	HAVE BEEN TA R MITIGATE I		•	containments constructed within stream. using hand tools and pumps.
<b>RESOURCE:</b>		WETLAND TYPE: SURFACE WATER CLASSIFICATION OR	HQ-	TSF		HAVE BEEN TA R MITIGATE J		Two turbidity curtains v pond H3.	vere installed at the confluence of S-H10 and
<b>RESOURCE:</b>		WETLAND TYPE: SURFACE WATER CLASSIFICATION OR				HAVE BEEN TA R MITIGATE J			
		WETLAND TYPE: SURFACE WATER			IMPACTS?WHAT STEPS	HAVE BEEN TA	KEN TO		
<b>RESOURCE:</b>		CLASSIFICATION OR WETLAND TYPE: SURFACE WATER			IMPACTS?	OR MITIGATE T			
<b>RESOURCE:</b>		CLASSIFICATION OR WETLAND TYPE:			ELIMINATE C IMPACTS?	OR MITIGATE 7	`HE		
			ADDI	<b>FIONAL INFOR</b>	RMATION				
	SUMED DOES IT INVOLVE A CHANGE IENT, DEPTH OR ALIGNMENT?	NO	NOTE:						
	ATE WATER SUPPLY - PROXIMITY TO STREAM WATER INTAKES?		NOTE:						
	5	YES	NOTE:						
I IST AND DES	SCRIBE MATERIAL(S) RELEASED:	A mixture of bentonite clay an	nd water with nativ	e cuttings					
	ATED QUANTITY OF THE RELEASE	-			<b>0</b> 11 0 1 111		0 /1 0 /2 0 2 0 5		
	CE THE LAST REPORT? IF SO, HOW?	YES	NOTE: Ap	proximately 7,71	2 gallons of drilli	ng fluid emerged	on 8/10/2020.		
ESTIMATED	O AERIAL EXTENT OF RELEASE	8/10/2020 - 25'x25' at initial	IR release location						
	AR FEET/MILES) OF DOWNSTREAM GE OF RELEASE, IF ANY	IR traveled approximately 1,800 feet downstream from S-H10 (UNT to Marsh Creek) into pond H3 (Marsh Creek Reservoir). Extent into pond H3 (Marsh Creek Reservoir) unknown.							
DESCR	RIBE ROOT CAUSE(S) OF IR								
	NTS: NOTE ANY MATERIAL CHANGE MATION FROM PRIOR REPORTS)								
HAVE THE	IMPACTS FROM THE IR BEEN	8/10/2020 - Sandbag and silt fence containment set up at IR location. Ten sandbag and silt fence containments constructed within stream S-H10. Two turbidity curtains installed at the confluence of S-H10 and pond H3. Drilling fluid recovered using hand tools and pumps. As of 5/18/2021, drilling fluid remains in pond H3.							
		PRINTED NAME, T	TITLE AND SIGN	NATURE OF PE	RSON(s) COMI	PLETING THIS	S REPORT		
NAME:	Chris Cable TITLE:	Environmental Inspection Ma	nager	SIGNATURE:	Christoph	eng Cable	DATE:	5/19/2021	
				PADEP USE ON	v				
AUTHORIZATION	N FROM PADEP OR CCD TO RESUME								
	HDD REQUIRED?		NOTE:						
PE	ERMIT AMENDMENT?		NOTE:						
PADEF	P / CCD REVIEWER NAME:			DATE:					



Notes:	Notes:
View of drilling fluid within stream S-H10 (UNT to Marsh Creek).	View of drilling fluid entering pond H3 (Marsh Creek Reservoir).
8/10/2020	8/10/2020
<image/> <image/>	<image/>
View of contractor crew members installing two turbidity curtains at the confluence of stream S-H10 (UNT to	
Marsh Creek) and pond H3 (Marsh Creek Reservoir).	View of IR release location within WL-H17.
Notes:	Notes: View of stream S-H10 (UNIT to Marsh Crook) following cleanup
View of sandbag containment within S-H10 (UNT to Marsh Creek).	View of stream S-H10 (UNT to Marsh Creek) following cleanup.
8/17/2020	8/17/2020



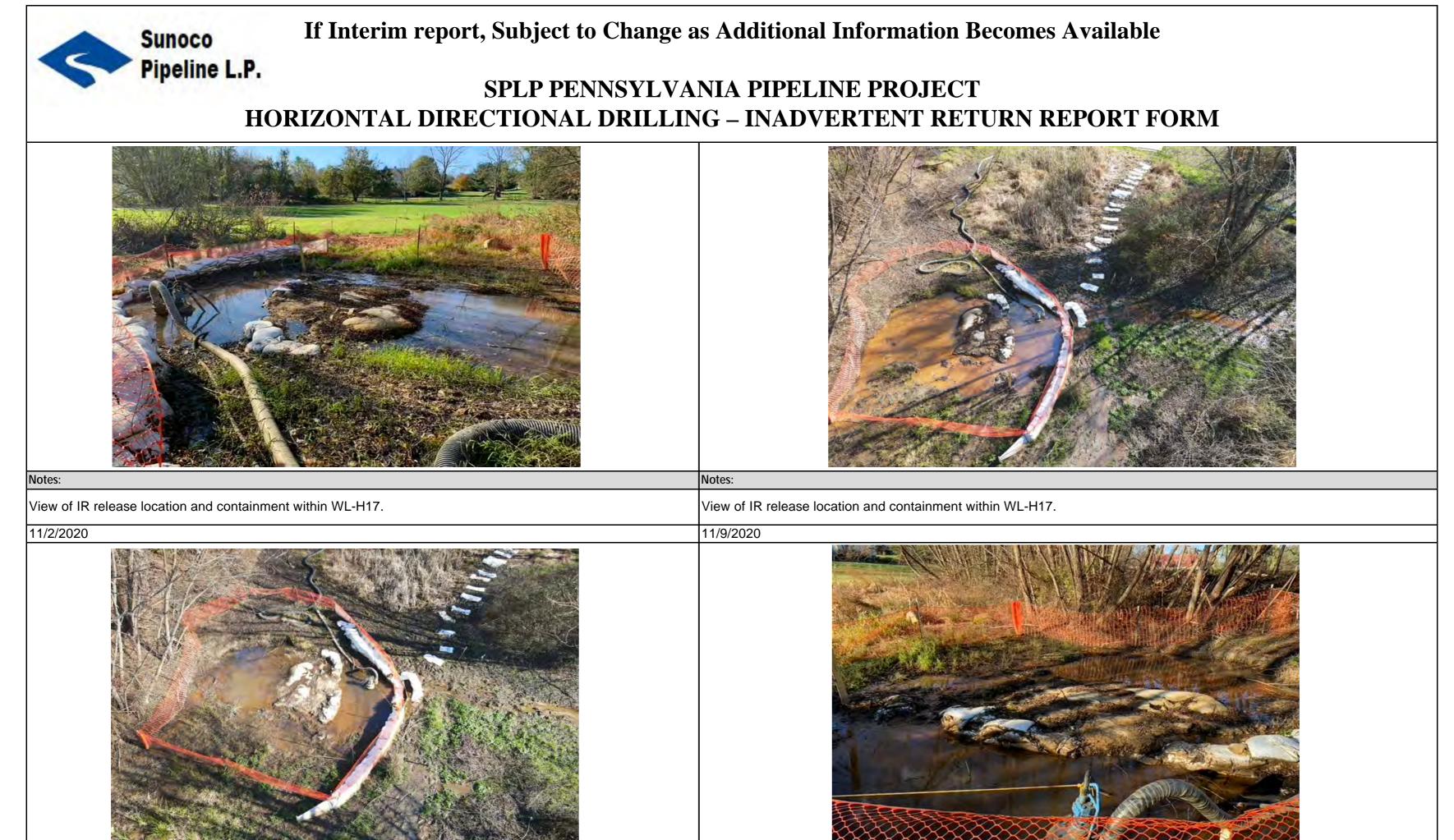
Notes:	Notes:
View of turbidity curtain at the confluence of stream S-H10 (UNT to Marsh Creek) and pond H3 (Marsh Creek	View of pond H3 (Marsh Creek Reservoir).
Reservoir).	
8/17/2020	8/17/2020
Notes:	Notes:
View of IP release leastion within W/L H17	
View of IR release location within WL-H17.	View of turbidity curtain at the confluence of stream S-H10 (UNT to Marsh Creek) and pond H3 (Marsh Creek Reservoir).
8/22/2020	View of turbidity curtain at the confluence of stream S-H10 (UNT to Marsh Creek) and pond H3 (Marsh Creek Reservoir). 8/22/2020
8/22/2020	8/22/2020
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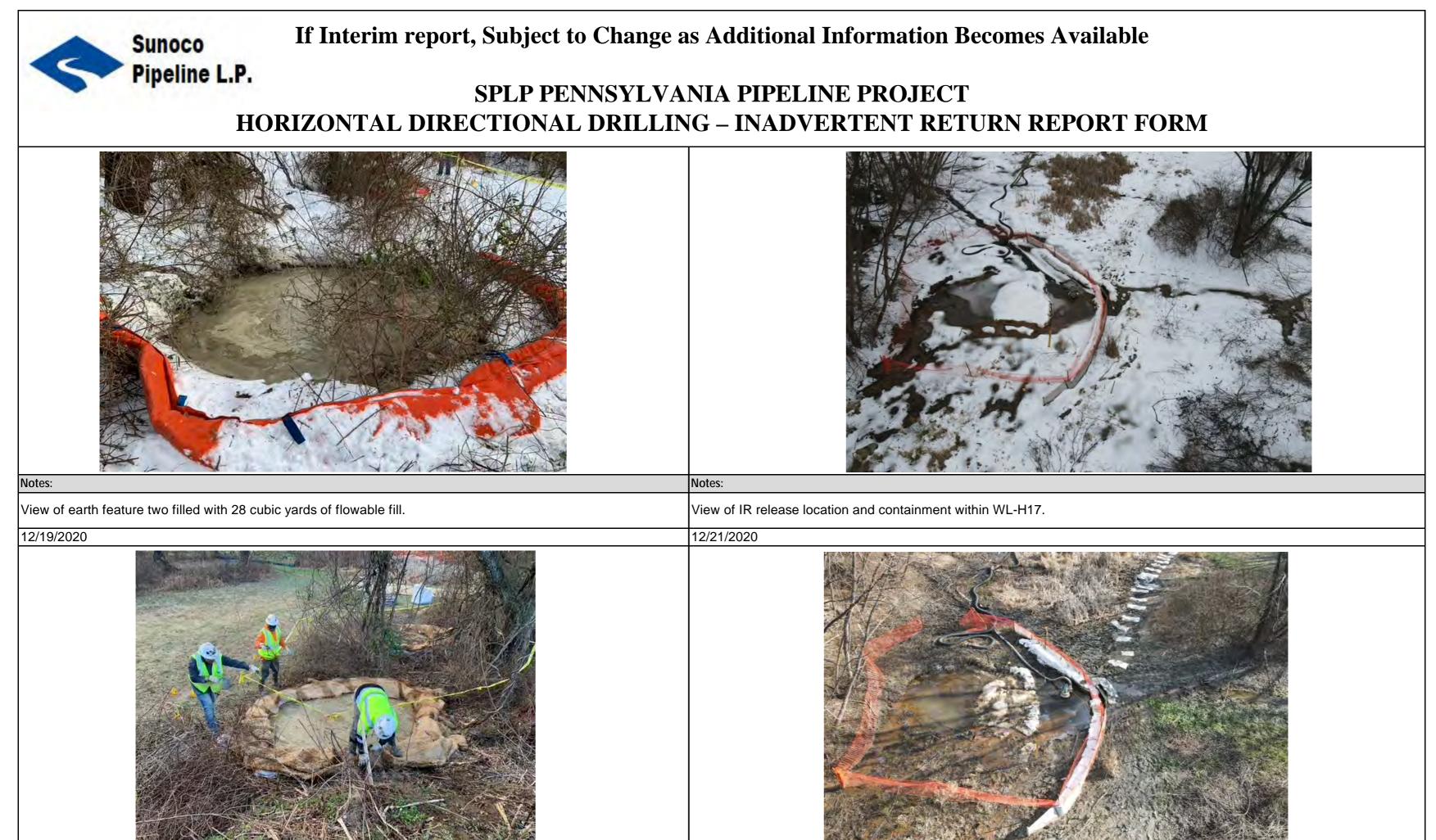
Notes:	Notes:
View of stream S-H10 (UNT to Marsh Creek)	View of pond H3 (Marsh Creek Reservoir).
8/31/2020	8/31/2020
Notes:	Notes:
View of IR release location and containment within WL-H17.	View of stream S-H10 (UNT to Marsh Creek)
View of IR release location and containment within WL-H17.         9/4/2020	View of stream S-H10 (UNT to Marsh Creek)         9/5/2020
View of IR release location and containment within WL-H17. 9/4/2020	View of stream S-H10 (UNT to Marsh Creek)         9/5/2020         Image: Constraint of the stream S-H10 (UNT to Marsh Creek)         9/5/2020         Image: Constraint of the stream S-H10 (UNT to Marsh Creek)
/iew of IR release location and containment within WL-H17.	View of stream S-H10 (UNT to Marsh Creek)         9/5/2020



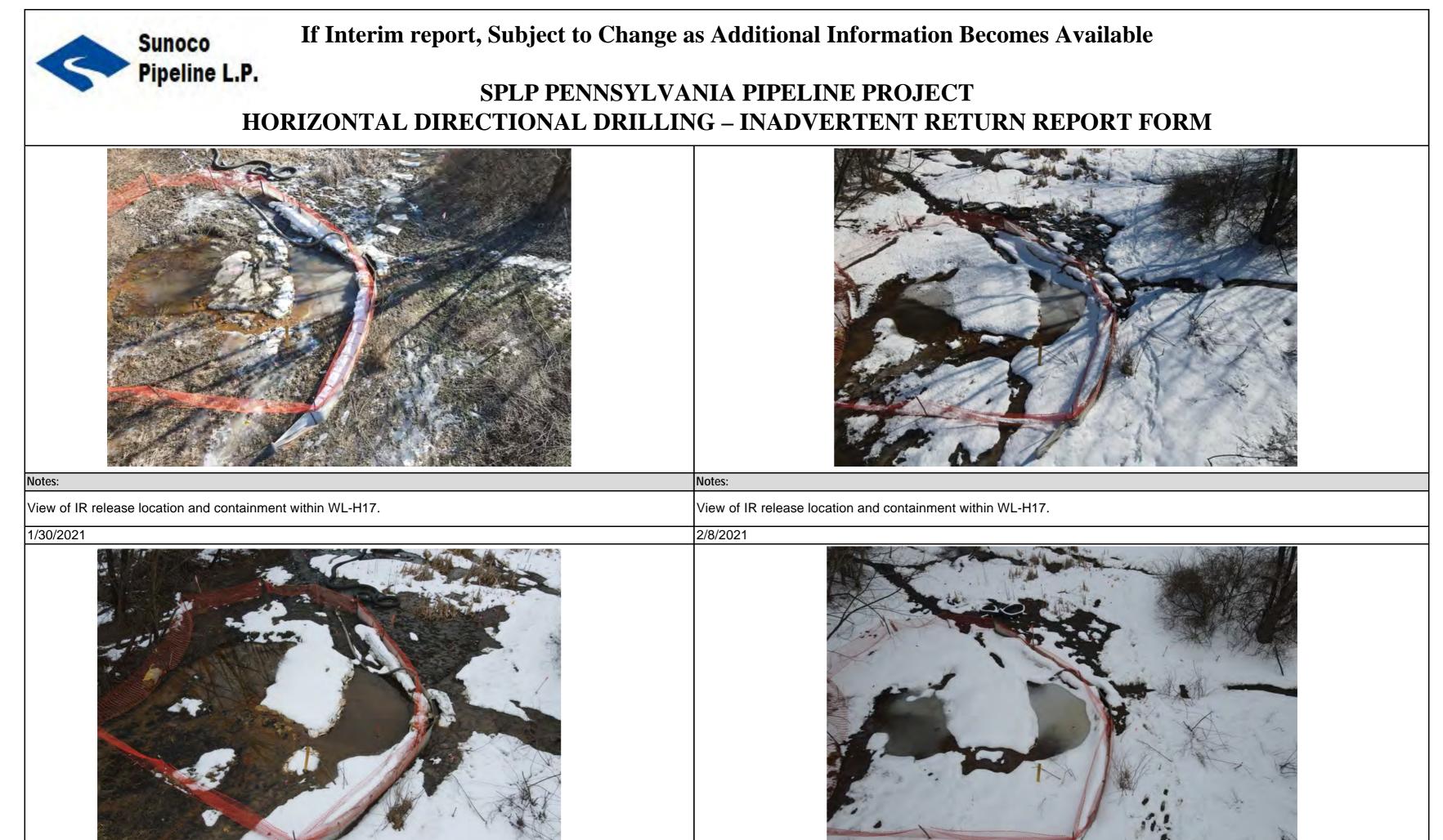
Notes:	Notes:
View of IR release location and containment within WL-H17.	View of turbidity curtain at the confluence of stream S-H10 (UNT to Marsh Creek) and pond H3 (Marsh Creek Reservoir).
9/28/2020	9/28/2020
Notes:	Notes:
View of IR release location and containment within WL-H17.	View of IR release location and containment within WL-H17.
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Jotes:	Notes:
Notes: View of turbidity curtain at the confluence of stream S-H10 (UNT to Marsh Creek) and pond H3 (Marsh Creek Reservoir).	Notes:           View of IR release location and containment within WL-H17.



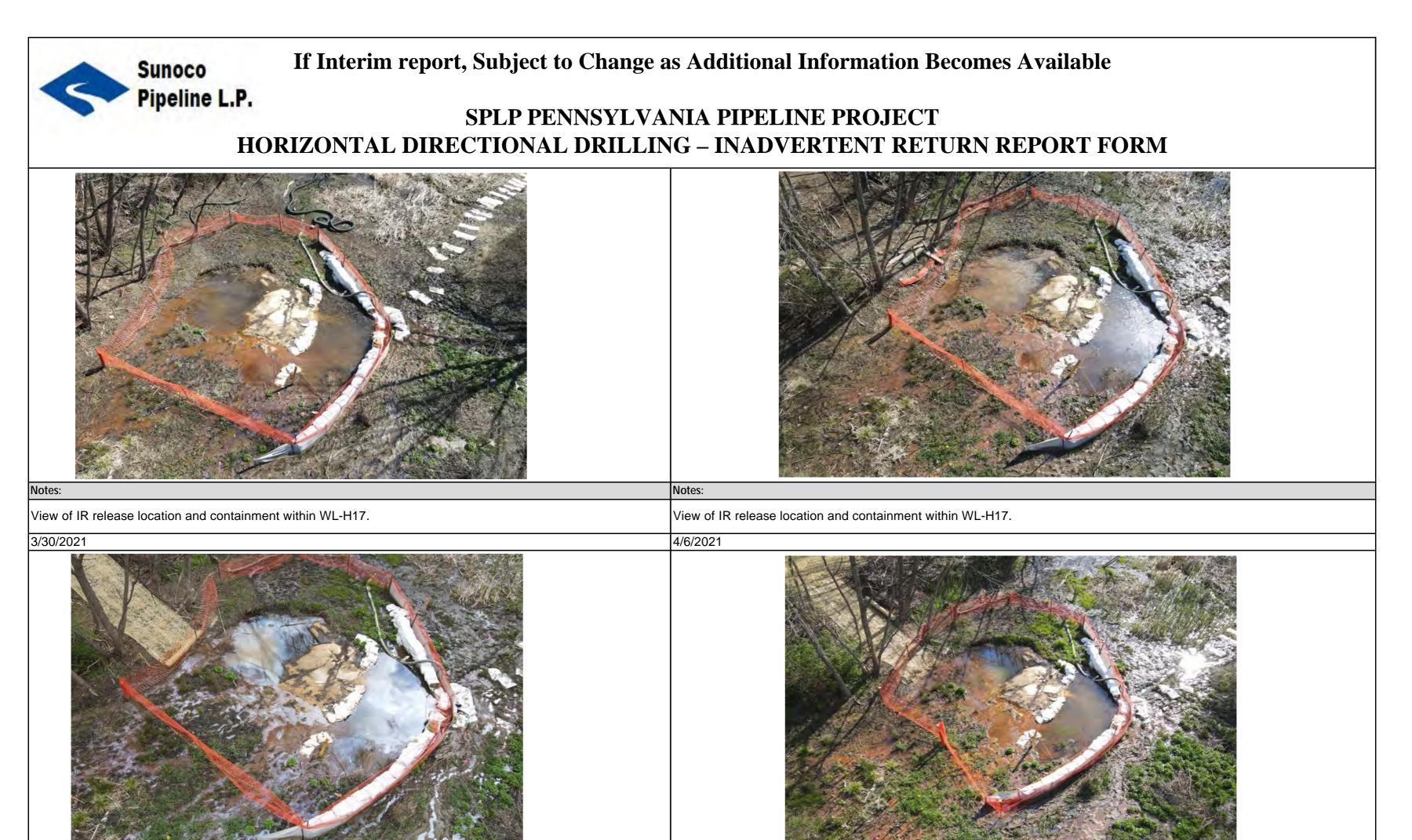
otes:	Notes:
ew of IR release location and containment within WL-H17.	View of IR release location and containment within WL-H17.
1/16/2020	11/23/2020
tes:	Notes:
ew of IR release location and containment within WL-H17.	View of IR release location and containment within WL-H17. 12/8/2020
<image/> <page-footer></page-footer>	Notes:
there is the release location and containment within WL-HI.	Notes:         View of earth feature one filled with 13 cubic yards of flowable fill.



Notes:	Notes:
View of contractor crew members installing erosion control blanket to stabilize earth feature locations.	View of IR release location and containment within WL-H17.
12/28/2020	12/29/2020
Notes:	Notes:
View of IR release location and containment within WL-H17.	View of IR release location and containment within WL-H17.
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View of IR release location and containment within WL-H17.	View of IR release location and containment within WL-H17.
1/19/2021	1/26/2021



Notes:	Notes:
View of IR release location and containment within WL-H17.	View of IR release location and containment within WL-H17.
2/16/2021	2/23/2021
Notes:	Notes:
View of IR release location and containment within WL-H17.	View of IR release location and containment within WL-H17.
3/2/2021	3/9/2021
Notes:	Notes:
View of IR release location and containment within WL-H17.	View of IR release location and containment within WL-H17.
3/16/2021	3/23/2021



	and the second second				Constant and the second second			
Notes:				Notes:				
View of IR release lo	ocation and containment within	WL-H17.		View of IR release lo	cation and containment within WL-H17.			
4/13/2021				4/20/2021				
Notes:				Notes:				
View of IR release lo	ocation and containment within	WL-H17.		View of IR release lo	cation and containment within WL-H17.			
4/27/2021				5/4/2021				
Notes:				Notes:				
View of IR release lo	ocation and containment within	WL-H17.		View of IR release location and containment within WL-H17.				
5/11/2021				5/17/2021				
			PRINTED NAME, TITLE AND SIGNA	NATURE OF PERSON(s) COMPLETING THIS REPORT				
NAME:	Chris Cable		Environmental Inspection Manager	SIGNATURE:	Christopher Gable	DATE:	5/19/2021	

