

Table 8

LNAPL Recovery
Cold Springs Terminal
Lysander, New York

Well ID	Date	Initial LNAPL Thickness (feet)	LNAPL Recovered (gallons)	Water Removed (gallons)	Total Removed (gallons)	Total Duration of Extraction (minutes)
RW-1	2/3/2020 ^(1,2)	1.17	23	45	68	120
	2/17/2020 ^(1,3)	2.15	5	45	50	90
	2/24/2020 ^(1,3)	1.43	2	35	37	90
	3/2/2020 ^(1,4)	1.33	2	66	68	25
	3/11/2020 ^(1,4)	1.02	12	56	68	30
	3/16/2020 ^(1,4)	0.85	2	54	56	30
	3/23/2020 ^(1,4)	1.01	6	50	56	30
	3/30/2020 ^(1,4)	0.95	5	63	68	30
	4/13/2020 ^(1,4)	1.30	5	25	30	30
	4/27/2020 ^(1,4)	1.10	2	79	81	30
	5/11/2020 ^(1,4)	0.90	4	91	95	30
	5/26/2020 ^(1,4)	1.37	2	60	62	30
	6/29/2020 ^(1,4)	1.09	3	52	55	30
	7/27/2020 ^(1,4)	0.66	3	65	68	30
	8/24/2020 ^(1,4)	0.20	1	43	44	30
	9/21/2020 ^(1,4)	0.16	1	31	32	25
	10/26/2020 ^(1,4)	0.18	1	55	56	30
11/23/2020 ^(1,4)	-	1	40	41	30	
	Totals	NA	80	955	1035	NA
RW-2	2/3/2020 ^(1,2)	1.85	-	-	0	-
	2/17/2020 ^(1,3)	2.25	15	60	75	90
	2/24/2020 ^(1,3)	1.02	9	35	44	90
	3/2/2020 ^(1,4)	0.70	15	85	100	25
	3/11/2020 ^(1,4)	0.41	3	97	100	25
	3/16/2020 ^(1,4)	0.45	2	83	85	25
	3/23/2020 ^(1,4)	0.84	2	67	69	25
	3/30/2020 ^(1,4)	0.57	3	104	107	25
	4/13/2020 ^(1,4)	0.70	2	63	65	25
	4/27/2020 ^(1,4)	1.33	2	58	60	30
	5/11/2020 ^(1,4)	0.24	1	75	76	25
	5/26/2020 ^(1,4)	0.74	2	51	53	25
	6/29/2020 ^(1,4)	0.61	1	54	55	25
	7/27/2020	0.08	-	-	-	-
	8/24/2020	0.07	-	-	-	-
	9/21/2020	0.10	-	-	-	-
	10/26/2020 ^(1,4)	0.10	1	53	54	30
11/23/2020	0.01	-	-	-	-	
	Totals	NA	58	885	943	NA

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RW-3	2/3/2020 ^(1,2)	2.85	30	27	57	120
	2/17/2020 ^(1,3)	2.12	15	96	111	90
	2/24/2020 ^(1,3)	1.49	10	45	55	90
	3/2/2020 ^(1,4)	1.12	10	68	78	25
	3/11/2020 ^(1,4)	0.90	10	100	110	30
	3/16/2020 ^(1,4)	0.81	3	49	52	30
	3/23/2020 ^(1,4)	1.11	2	65	67	30
	3/30/2020 ^(1,4)	1.14	2	90	92	30
	4/13/2020 ^(1,4)	1.22	2	60	62	30
	4/27/2020 ^(1,4)	0.63	1	50	51	30
	5/11/2020 ^(1,4)	0.70	3	74	77	30
	5/26/2020 ^(1,4)	1.35	2	60	62	30
	6/29/2020 ^(1,4)	0.68	3	79	82	30
	7/27/2020 ^(1,4)	0.21	1	29	30	25
	8/24/2020 ^(1,4)	0.24	1	50	51	30
	9/21/2020 ^(1,4)	0.13	1	42	43	30
	10/26/2020 ^(1,4)	0.06	1	30	31	25
11/23/2020 ^(1,4)	0.13	1	74	75	25	
Totals	NA	98	1088	1111	NA	
RW-4	2/3/2020	0.05	-	-	-	-
	2/17/2020	0.05	-	-	-	-
	2/24/2020	0.05	-	-	-	-
	3/2/2020	0.06	-	-	-	-
	3/11/2020	0.04	-	-	-	-
	3/16/2020	0.06	-	-	-	-
	3/23/2020	0.05	-	-	-	-
	3/30/2020	0.07	-	-	-	-
	4/13/2020	0.07	-	-	-	-
	4/27/2020	0.09	-	-	-	-
	5/11/2020	0.08	-	-	-	-
	5/26/2020	-	-	-	-	-
	6/29/2020	0.37	-	-	-	-
	7/27/2020 ^(1,4)	0.96	3	62	65	30
	8/24/2020 ^(1,4)	1.66	5	43	48	30
	9/21/2020 ^(1,4)	1.80	5	73	78	30
10/26/2020 ^(1,4)	1.10	4	47	51	30	
11/23/2020 ^(1,4)	0.12	2	38	40	30	
Totals	NA	19	263	242	NA	

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RW-5	2/3/2020 ^(1,2)	3.20	23	44	67	120
	2/17/2020 ^(1,3)	2.02	10	30	40	90
	2/24/2020 ^(1,3)	1.38	2	15	17	90
	3/2/2020 ^(1,4)	1.47	10	90	100	30
	3/11/2020 ^(1,4)	1.30	8	82	90	30
	3/16/2020 ^(1,4)	0.71	3	92	95	30
	3/23/2020 ^(1,4)	0.85	3	92	95	30
	3/30/2020 ^(1,4)	1.00	3	100	103	30
	4/13/2020 ^(1,4)	1.46	2	41	43	30
	4/27/2020 ^(1,4)	1.28	5	141	146	30
	5/11/2020 ^(1,4)	1.04	4	96	100	30
	5/26/2020 ^(1,4)	1.00	2	60	62	30
	6/29/2020 ^(1,4)	2.97	4	71	75	30
	7/27/2020 ^(1,4)	0.62	3	40	43	30
	8/24/2020 ^(1,4)	0.14	2	60	62	25
	9/21/2020 ^(1,4)	0.20	1	40	41	30
	10/26/2020	-	-	-	-	-
11/23/2020 ^(1,4)	0.36	2	39	41	30	
Totals	NA	87	1,133	1,179	NA	
Total Volumes Removed	NA	342	4,324	4,510	NA	

Notes:

- ⁽¹⁾ Approximate volumes based on measurements of water and LNAPL thickness in vac truck following completion of recovery at each well
⁽²⁾ LNAPL was recovered by vac truck extraction for a continuous 2-hour period at each well
⁽³⁾ LNAPL was recovered by vac truck extraction for a continuous 1.5-hour period at each well
⁽⁴⁾ LNAPL was recovered by vac truck extraction for multiple cycles of 5 minutes of extraction followed by 15 minutes of recovery

Acronyms and Abbreviations

- = LNAPL recovery not performed at recovery well during specific recovery event
N/A = not applicable