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May 10, 2021

Mr. Brian Sadowski
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203-2999

RE: First Quarter 2021 – Status Report
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301

Dear Mr. Sadowski:

Attached is the status report for the First Quarter 2021 activities at the Stauffer Management Company LLC site in Lewiston, New York. Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) has conducted the operation, maintenance, and monitoring activities for the treatment system on behalf of Stauffer Management Company (SMC). No new changes to system operation, monitoring, or reporting are being requested as part of this status report.

Please call me if you need any additional information or if you have comments.

Sincerely,

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

Matthew Ambrusch, PE, MBA
Project Manager – Remediation Technology

MW: ma

Enclosure(s): Table 1 – System Extraction and Discharge Flow Rates
Table 2 – Weekly Mid-Carbon Sampling Results
Table 3 – Monthly Influent Sampling Results
Table 4 – Monthly Effluent Sampling Results
Table 5 – Quarterly Effluent (SPDES) Sampling Results

cc: Kurt Batsel (Dextra Group)
John-Paul Rossi (SMC)
Stewart Abrams, PE (Langan)

1. Operation and Maintenance Activities

Between January 1 and March 31, 2021, treatment system operations, consisting of the extraction of groundwater via 11 extraction wells, continued. The chemical feed system has been running continuously since initiating operation on February 11, 2019. The operation of the chemical feed system has proven effective at prolonging bag filter change-outs with no observed decrease in treatment system performance.

Per the New York State Department of Environmental Conservation (NYSDEC) Order of Consent Case No. CO 1-20181004 executed by the NYSDEC on June 12, 2019, wastes generated on site as a result of the operation of the treatment system are managed as U-listed hazardous waste.

1.1 Groundwater Extraction Wells

Groundwater extraction continued at wells EW-1 through EW-6, DPA-202, DPA-203, OW-3, and LR-66. Extraction wells EW-2, EW-3, EW-5, EW-6, DPA-202, DPA-203, and LR-66 have been operational at full and continuous capacity throughout the reporting quarter with the exceptions of minor periods of planned downtime due to bag filter change-outs, carbon exchanges, and other general maintenance tasks.

The following extraction wells have been operational at a reduced capacity or have had modifications or repairs performed during this reporting quarter:

- The submersible pump at EW-1 experienced short-circuiting, requiring the pump to be pulled for repairs. This extraction well was inoperable for a period of about 8 weeks out of the quarter.
- The pneumatic pump at EW-4 continues to experience reduced flow due to fouling of piping and manifold components by suspended solids.
- Extraction rates in OW-3 continue to be reduced due to insufficient groundwater recovery in the well.

The following extraction well did not operate during this reporting quarter:

- DPA-201 remains off-line. This well will continue to be measured periodically for depth to water; the pump will be recommissioned as groundwater levels return to a suitable level for sustained pumping.

Approximately 3,640,000 gallons of water were recovered from the extraction wells during the quarter, resulting in an average flow rate of approximately 25.80 gallons per minute. A summary of the system totalizer readings is provided as **Table 1**.

1.2 Groundwater Treatment System

Chemical feed delivery system operations continued throughout the quarter. A liquid-phase granulated activated carbon (GAC) exchange was completed on February 11, 2021. Disposal of accumulated spent bag filters was completed on March 30, 2021.

General system maintenance of the treatment system and other miscellaneous tasks were also completed during the quarter, as needed, to maintain normal and safe system operations.

1.3 Area A Soil Vapor Extraction System

As indicated in the previous quarterly updates, the Area A soil vapor extraction (SVE) system was shut down in early August 2014 and remains shut down, but in a standby operable mode. The NYSDEC indicated that to approve the request to permanently terminate the SVE operations, an Environmental Easement (EE) was required on the property as part of the remedial process. Stauffer Management Company LLC (SMC) prepared the EE documents, which were signed by SMC on April 28, 2015, and by the NYSDEC on August 24, 2015. The final EE was filed with Niagara County on September 4, 2015.

A Site Management Plan (SMP), submitted to the NYSDEC on May 25, 2017, includes provisions for removing the SVE system. Per email correspondence with Brian Sadowski dated September 3, 2019, the SMP required updates to reflect changes in system operation (i.e., chemical feed system) and oversight (i.e., change in project consultants). These revisions were incorporated into a revised SMP that was submitted to the NYSDEC on June 16, 2020. Comments on the revised SMP were received from the NYSDEC on September 21, 2020. The system OM&M Plan is currently being updated to reflect the recent system upgrades and will be submitted along with the revised SMP. Upon submission and approval of the revised SMP by the NYSDEC, the Area A SVE system will be decommissioned.

2. Sampling

The following sampling events were conducted during the first quarter of 2021:

Weekly Volatile Organic Compound (VOC) Mid-Carbon Sampling: Weekly samples were collected at the midpoint of carbon treatment between the lead and lag treatment vessels. The samples were collected to assess breakthrough of contaminants from the lead carbon vessel. **Table 2** presents the sampling results.

Contaminants were detected in the mid-carbon sampling starting January 4, 2021. However, elevated contaminant concentrations (i.e., total mid-carbon concentration greater than 10% of the total influent concentration) were not detected until January 19, 2021. Accordingly, a carbon change-out was performed on February 11, 2021. A summary of the mid-carbon constituent detections is provided below.

- Elevated chloroform concentrations (up to 590 micrograms per liter [µg/L]) were detected at the beginning of the reporting period and continued until the February carbon exchange. Concentrations were detected again on March 10, 2021 and continued throughout the reporting period.
- Elevated methylene chloride concentrations (up to 59 µg/L) were detected at the beginning of the reporting period and continued until the February carbon exchange. Concentrations were detected again on March 10, 2021 and continued throughout the reporting period.
- Elevated carbon tetrachloride concentrations (up to 210 µg/L) were detected at the beginning of the reporting period and continued until the February carbon exchange. Concentrations were detected again on March 22, 2021 and continued throughout the reporting period.

Monthly Influent VOC Sampling: **Table 3** presents the results of the monthly combined influent VOC sampling. Carbon disulfide, carbon tetrachloride, chloroform, methylene chloride, tetrachloroethene, and trichloroethene were all detected above their respective groundwater quality criteria. The highest concentrations were observed during the January 19, 2021 sampling event, with a total site-specific parameter list VOC concentration of 7,057 µg/L.

Monthly Effluent VOC Sampling: **Table 4** presents the results of the monthly effluent VOC sampling. Throughout the quarter, all VOC concentrations were under both their respective daily discharge limit and their respective method detection limits.

Quarterly Effluent Sampling: The New York State Pollutant Discharge Elimination System (SPDES) equivalent semi-volatile organic compounds, metals, and total recoverable phenolic parameters were collected on February 27, 2021. **Table 5** presents the effluent SPDES equivalent sampling results. Zinc was detected at a concentration of 13 µg/L and nickel was detected at an estimated concentration of 3.8 µg/L; discharge of zinc and nickel were below their respective pounds-per-day SPDES equivalent discharge limit. Semi-volatiles and Total Recoverable Phenolics were non-detect for the quarter. Per the results of this sampling, all compounds in the system effluent were detected below their applicable discharge limits.

With the Area A SVE blower shut down, no influent vapor samples were collected in the first quarter of 2021.

3. Request to Modify Sampling Frequency and Included Wells

SMC requested a reduction in the number of monitoring wells to be sampled as part of the annual groundwater sampling during a June 7, 2016 conference call with the NYSDEC. Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) repeated this request, in writing, in the First Quarter 2018 Status Report (June 22, 2018) and provided additional information to the NYSDEC in a June 29, 2018 email to Brian Sadowski. The NYSDEC approved the requested reduction in the number of monitoring wells to be sampled via a phone conversation and follow-up email on March 22, 2021.

Langan also submitted to the NYSDEC a Groundwater Monitoring Program Passive Sampling Work Plan on June 30, 2020, which proposed the completion of a side-by-side analysis of the currently employed typical low flow sampling methodology and a passive sampling methodology (HydraSleeves™) during the 2020 annual groundwater sampling event, in an effort to evaluate the efficacy of the passive sampling methodology as an alternative sampling approach; this was approved by the NYSDEC on July 14, 2020. This sampling plan was executed during the week of August 24, 2020 and the data was presented in the 2020 Annual OM&M Report. The results indicated that the use of HydraSleeves™ would be appropriate for the site and the NYSDEC approved the use of Hydra-Sleeve™ sampling methodology via a phone conversation and follow-up email on March 22, 2021.

4. Deliverables in the First Quarter

- February 11, 2021 carbon exchange event Generator Copy of Hazardous Waste Manifest provided to the NYSDEC and the Pennsylvania Department of Environmental Protection.
- March 30, 2021 bag filter disposal event Generator Copy of Hazardous Waste Manifest provided to the NYSDEC and the Michigan Department of Environmental Quality.
- 2020 Annual OM&M Report dated March 22, 2021 provided to the NYSDEC.

5. Second Quarter 2021 Planned Events

- Treatment system operations will continue through the second quarter of 2021.
- The chemical feed system will continue to operate full time through the second quarter of 2021; optimizations will be made, as necessary.
- Routine treatment system sampling and maintenance will continue throughout the second quarter of 2021.
- A change-out of the lead GAC vessel will be completed.
- Spent bag filters will be disposed of off site.

TABLES

Table 1
System Extraction and Discharge Flow Rates
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
5/10/2021

Date	Duration of Operation Since Last Monitoring Event	Totalizer Readings											
		EW-1		EW-2		EW-3		EW-4/T-4		EW-5/DPA-201		EW-6	
		Totalizer	Calculated Flow Rate	Totalizer	Calculated Flow Rate	Totalizer	Calculated Flow Rate	Totalizer	Calculated Flow Rate	Totalizer	Calculated Flow Rate	Totalizer	Calculated Flow Rate
	Minutes	Gallons	GPM	Gallons	GPM	Gallons	GPM	Gallons	GPM	Gallons	GPM	Gallons	GPM
12/28/2020	10,080	46,184	0.34	111,876	0.85	134,897	0.99	11	0.00	210,054	1.88	30,887	0.37
1/4/2021	10,080	72,790	2.64	176,040	6.37	222,000	8.64	11	0.00	349,270	13.81	91,091	5.97
1/12/2021	11,520	99,388	2.31	248,111	6.26	317,689	8.31	2,022	0.17	493,802	12.55	154,544	5.51
1/19/2021	10,080	115,890	1.64	310,791	6.22	400,200	8.19	3,824	0.18	616,980	12.22	206,865	5.19
1/26/2021	10,080	135,471	1.94	372,853	6.16	478,780	7.80	5,576	0.17	737,214	11.93	254,864	4.76
2/2/2021	10,080	136,433	0.10	435,687	6.23	560,050	8.06	7,349	0.18	857,057	11.89	303,365	4.81
2/12/2021	14,400	136,433	0.00	522,626	6.04	680,306	8.35	10,047	0.19	1,017,931	11.17	387,208	5.82
2/17/2021	7,200	136,433	0.00	568,147	6.32	746,758	9.23	11,466	0.20	1,101,814	11.65	435,840	6.75
2/23/2021	8,640	136,433	0.00	620,411	6.05	820,633	8.55	12,997	0.18	1,200,018	11.37	489,548	6.22
3/2/2021	10,080	136,433	0.00	682,026	6.11	914,600	9.32	15,006	0.20	1,318,703	11.77	558,130	6.80
3/10/2021	11,520	136,433	0.00	750,616	5.95	1,023,934	9.49	17,921	0.25	1,451,947	11.57	636,465	6.80
3/15/2021	7,200	136,433	0.00	793,609	5.97	1,092,473	9.52	19,474	0.22	1,537,785	11.92	678,751	5.87
3/22/2021	10,080	136,433	0.00	851,725	5.77	1,184,397	9.12	21,365	0.19	1,655,260	11.65	708,512	2.95
3/30/2021	11,520	136,433	0.00	916,158	5.59	1,288,753	9.06	23,661	0.20	1,787,230	11.46	753,929	3.94
Totals / Averages		**90,249**	**0.64**	**804,282**	**5.71**	**1,153,856**	**8.19**	**23,650**	**0.17**	**1,577,176**	**11.20**	**723,042**	**5.13**

Notes:
GPM - gallons per minute
1. Grey boxes denote calculated data
2. Calculated flow rates assume the well was operating at all times within that particular operational timeframe.
3. Highlighted cells indicate flow totalizer registering a net back flow during that time interval.

Table 1
System Extraction and Discharge Flow Rates
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
5/10/2021

Date	Duration of Operation Since Last Monitoring Event	Totalizer Readings									
		DPA-202		DPA-203		OW-3		LR-66		Effluent	
		Totalizer	Calculated Flow Rate	Totalizer	Calculated Flow Rate	Totalizer	Calculated Flow Rate	Totalizer	Calculated Flow Rate	Totalizer	Calculated Flow Rate
	Minutes	Gallons	GPM	Gallons	GPM	Gallons	GPM	Gallons	GPM	Gallons	GPM
12/28/2020	10,080	777	0.01	166	0.01	9,900,488	0.07	565,928	0.68	35,341,352	4.36
1/4/2021	10,080	1,036	0.03	250	0.01	9,900,832	0.03	573,006	0.70	35,676,002	33.20
1/12/2021	11,520	1,369	0.03	458	0.02	9,901,410	0.05	581,918	0.77	36,071,353	34.32
1/19/2021	10,080	1,668	0.03	561	0.01	9,901,914	0.05	590,043	0.81	36,330,576	25.72
1/26/2021	10,080	1,972	0.03	561	0.00	9,902,354	0.04	598,574	0.85	36,617,444	28.46
2/2/2021	10,080	2,343	0.04	634	0.01	9,902,903	0.05	607,344	0.87	36,884,531	26.50
2/12/2021	14,400	2,680	0.02	684	0.00	9,903,789	0.06	620,532	0.92	37,260,663	26.12
2/17/2021	7,200	2,850	0.02	684	0.00	9,904,198	0.06	627,710	1.00	37,460,021	27.69
2/23/2021	8,640	3,000	0.02	766	0.01	9,904,521	0.04	636,034	0.96	37,688,257	26.42
3/2/2021	10,080	3,169	0.02	776	0.00	9,905,044	0.05	646,255	1.01	37,969,272	27.88
3/10/2021	11,520	3,327	0.01	784	0.00	9,905,627	0.05	658,409	1.06	38,290,057	27.85
3/15/2021	7,200	3,507	0.03	790	0.00	9,906,083	0.06	666,085	1.07	38,483,747	26.90
3/22/2021	10,080	3,797	0.03	818	0.00	9,906,351	0.03	676,632	1.05	38,719,914	23.43
3/30/2021	11,520	4,137	0.03	818	0.00	9,907,013	0.06	689,182	1.09	38,982,353	22.78
Totals / Averages		**3,360**	**0.02**	**652**	**0.01**	**6,525**	**0.05**	**123,254**	**0.92**	**3,641,001**	**25.83**

Notes:
GPM - gallons per minute
1. Grey boxes denote calculated data
2. Calculated flow rates assume the well was operating at all times within that particular operational timeframe.
3. Highlighted cells indicate flow totalizer registering a net back flow during that time interval.

Table 2
Weekly Mid-Carbon Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
5/10/2021

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	CBT					CBT					CBT					CBT					CBT				
			Sample ID	CBT_010421					CBT_011221					CBT_011921					CBT_012621					CBT_020221				
			Sample Date	1/4/2021					1/12/2021					1/19/2021					1/26/2021					2/2/2021				
			Lab Sample ID	480-179815-1					480-180115-1					480-180359-2					480-180541-1					480-180770-1				
			Unit	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF
Volatile Organic Compounds																												
Benzene	71-43-2	10	ug/l	1.6	U	4	1.6	4	1.6	U	4	1.6	4	3.3	U	8	3.3	8	3.3	U	8	3.3	8	3.3	U	8	3.3	8
Carbon Disulfide	75-15-0	Monitor	ug/l	0.76	U	4	0.76	4	0.76	U	4	0.76	4	1.5	U	8	1.5	8	1.5	U	8	1.5	8	1.5	U	8	1.5	8
Carbon Tetrachloride	56-23-5	10	ug/l	55		4	1.1	4	210		4	1.1	4	210		8	2.2	8	120		8	2.2	8	180		8	2.2	8
Chlorobenzene	108-90-7	10	ug/l	3	U	4	3	4	3	U	4	3	4	6	U	8	6	8	6	U	8	6	8	6	U	8	6	8
Chloroform	67-66-3	10	ug/l	220		4	1.4	4	430		8	2.7	8	450		8	2.7	8	520		8	2.7	8	590		8	2.7	8
Methylene Chloride	75-09-2	10	ug/l	18		4	1.8	4	31		4	1.8	4	41		8	3.5	8	47		8	3.5	8	59		8	3.5	8
Tetrachloroethene (PCE)	127-18-4	10	ug/l	1.4	U	4	1.4	4	1.4	U	4	1.4	4	2.9	U	8	2.9	8	2.9	U	8	2.9	8	2.9	U	8	2.9	8
Toluene	108-88-3	10	ug/l	2	U	4	2	4	2	U	4	2	4	4.1	U	8	4.1	8	4.1	U	8	4.1	8	4.1	U	8	4.1	8
Trichloroethene (TCE)	79-01-6	10	ug/l	1.8	U	4	1.8	4	1.8	U	4	1.8	4	3.7	U	8	3.7	8	3.7	U	8	3.7	8	3.7	U	8	3.7	8
Total Concentration	--	--	ug/l	293					671					701					687					829				

Exceedance Summary:

1 - Result exceeds Criteria

1 - MDL or RL greater than the applicable standard

Notes:

Q: data qualifier
MDL: method detection limit
RL: reporting limit
DF: dilution factor
J: result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value
U: indicates the analyte was analyzed for, but not detected
µg/L: microgram per liter

Prepared by: MW
Reviewed by: MA
\\langan.com\data\LAW\data3\130117301\Project Data_Discipline\Environmental\Reports\Quarterly Reports\2021 Q1\Tables\2021-0412 Table 2-5 Analytical Results.xlsx

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Table 2
Weekly Mid-Carbon Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
5/10/2021

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	CBT					CBT					CBT					CBT				
			Sample ID	CBT_021221					CBT_021721					CBT_022321					CBT_030221				
			Sample Date	2/12/2021					2/17/2021					2/23/2021					3/2/2021				
			Lab Sample ID	480-181179-1					480-181262-2					480-181353-1					480-181589-1				
			Unit	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF
Volatile Organic Compounds																							
Benzene	71-43-2	10	ug/l	0.41	U	1	0.41	1	0.41	U	1	0.41	1	0.41	U	1	0.41	1	0.41	U	1	0.41	1
Carbon Disulfide	75-15-0	Monitor	ug/l	0.19	U	1	0.19	1	0.19	U	1	0.19	1	0.19	U	1	0.19	1	0.19	U	1	0.19	1
Carbon Tetrachloride	56-23-5	10	ug/l	0.27	U	1	0.27	1	0.27	U	1	0.27	1	0.27	U	1	0.27	1	0.27	U	1	0.27	1
Chlorobenzene	108-90-7	10	ug/l	0.75	U	1	0.75	1	0.75	U	1	0.75	1	0.75	U	1	0.75	1	0.75	U	1	0.75	1
Chloroform	67-66-3	10	ug/l	0.34	U	1	0.34	1	0.34	U	1	0.34	1	0.34	U	1	0.34	1	0.34	U	1	0.34	1
Methylene Chloride	75-09-2	10	ug/l	0.44	U	1	0.44	1	0.44	U	1	0.44	1	0.44	U	1	0.44	1	0.44	U	1	0.44	1
Tetrachloroethene (PCE)	127-18-4	10	ug/l	0.36	U	1	0.36	1	0.36	U	1	0.36	1	0.36	U	1	0.36	1	0.36	U	1	0.36	1
Toluene	108-88-3	10	ug/l	0.51	U	1	0.51	1	0.51	U	1	0.51	1	0.51	U	1	0.51	1	0.51	U	1	0.51	1
Trichloroethene (TCE)	79-01-6	10	ug/l	0.46	U	1	0.46	1	0.46	U	1	0.46	1	0.46	U	1	0.46	1	0.46	U	1	0.46	1
Total Concentration	--	--	ug/l	ND					ND					ND					ND				

Exceedance Summary:
1 - Result exceeds Criteria
1 - MDL or RL greater than the applicable standard

Notes:
Q: data qualifier
MDL: method detection limit
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J: result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value
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Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
5/10/2021

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	CBT					CBT					CBT					CBT				
			Sample ID	CBT_031021					CBT_031521					CBT_032221					CBT_033021				
			Sample Date	3/10/2021					3/15/2021					3/22/2021					3/30/2021				
			Lab Sample ID	480-181884-1					480-182078-2					480-182359-1					480-182647-1				
			Unit	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF
Volatile Organic Compounds																							
Benzene	71-43-2	10	ug/l	0.41	U	1	0.41	1	0.41	U	1	0.41	1	0.41	U	1	0.41	1	0.41	U	1	0.41	1
Carbon Disulfide	75-15-0	Monitor	ug/l	0.19	U	1	0.19	1	0.21	J	1	0.19	1	0.19	U	1	0.19	1	0.19	U	1	0.19	1
Carbon Tetrachloride	56-23-5	10	ug/l	0.27	U	1	0.27	1	0.45	J	1	0.27	1	2		1	0.27	1	6.7		1	0.27	1
Chlorobenzene	108-90-7	10	ug/l	0.75	U	1	0.75	1	0.75	U	1	0.75	1	0.75	U	1	0.75	1	0.75	U	1	0.75	1
Chloroform	67-66-3	10	ug/l	1.1		1	0.34	1	6.5		1	0.34	1	23		1	0.34	1	66		1	0.34	1
Methylene Chloride	75-09-2	10	ug/l	2		1	0.44	1	5.3		1	0.44	1	9.5		1	0.44	1	14		1	0.44	1
Tetrachloroethene (PCE)	127-18-4	10	ug/l	0.36	U	1	0.36	1	0.36	U	1	0.36	1	0.36	U	1	0.36	1	0.36	U	1	0.36	1
Toluene	108-88-3	10	ug/l	0.51	U	1	0.51	1	0.51	U	1	0.51	1	0.51	U	1	0.51	1	0.51	U	1	0.51	1
Trichloroethene (TCE)	79-01-6	10	ug/l	0.46	U	1	0.46	1	0.46	U	1	0.46	1	0.46	U	1	0.46	1	0.46	U	1	0.46	1
Total Concentration	--	--	ug/l	3.1					12.46					34.5					86.7				

Exceedance Summary:
1 - Result exceeds Criteria
1 - MDL or RL greater than the applicable standard

Notes:
Q: data qualifier
MDL: method detection limit
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U: indicates the analyte was analyzed for, but not detected
µg/L: microgram per liter

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Reviewed by: MA
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Table 3
Monthly Influent Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
5/10/2021

Analyte	CAS Number	NYSDEC Groundwater Criteria	Location	INF					INF					INF				
			Sample ID	INF_011921					INF_021721					INF_031521				
			Sample Date	1/19/2021					2/17/2021					3/15/2021				
			Lab Sample ID	480-180359-1					480-181262-1					480-182078-1				
			Unit	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF
Volatile Organic Compounds																		
Benzene	71-43-2	0.7	ug/l	16	U	*40*	*16*	40	16	U	*40*	*16*	40	16	U	*40*	*16*	40
Carbon Disulfide	75-15-0	50	ug/l	2100		40	7.6	40	680		40	7.6	40	410		40	7.6	40
Carbon Tetrachloride	56-23-5	5	ug/l	3200		*40*	*11*	40	2400		*40*	*11*	40	3500		*40*	*11*	40
Chlorobenzene	108-90-7	5	ug/l	30	U	*40*	*30*	40	30	U	*40*	*30*	40	30	U	*40*	*30*	40
Chloroform	67-66-3	7	ug/l	1500		*40*	*14*	40	1300		*40*	*14*	40	1800		*40*	*14*	40
Methylene Chloride	75-09-2	5	ug/l	100		*40*	*18*	40	110		*40*	*18*	40	87		*40*	*18*	40
Tetrachloroethene (PCE)	127-18-4	5	ug/l	87		*40*	*14*	40	71		*40*	*14*	40	98		*40*	*14*	40
Toluene	108-88-3	5	ug/l	20	U	*40*	*20*	40	20	U	*40*	*20*	40	20	U	*40*	*20*	40
Trichloroethene (TCE)	79-01-6	5	ug/l	70		*40*	*18*	40	68		*40*	*18*	40	78		*40*	*18*	40
Total Concentration		NA	ug/l	7057					4629					5973				

Exceedance Summary:

1 - Result exceeds Criteria

1 - MDL or RL greater than the applicable standard

Notes:

Q: data qualifier
MDL: method detection limit
RL: reporting limit
DF: dilution factor
J: result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value
U: indicates the analyte was analyzed for, but not detected
µg/L: microgram per liter

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Table 4
Monthly Effluent Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
5/10/2021

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	EFF					EFF					EFF				
			Sample ID	EFF_011921					EFF_021721					EFF_031521				
			Sample Date	1/19/2021					2/17/2021					3/15/2021				
			Lab Sample ID	480-180359-3					480-181262-3					480-182078-3				
			Unit	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF	Result	Q	RL	MDL	DF
Volatile Organic Compounds																		
Benzene	71-43-2	10	ug/l	0.41	U	1	0.41	1	0.41	U	1	0.41	1	0.41	U	1	0.41	1
Carbon Disulfide	75-15-0	Monitor	ug/l	0.19	U	1	0.19	1	0.19	U	1	0.19	1	0.19	U	1	0.19	1
Carbon Tetrachloride	56-23-5	10	ug/l	0.27	U	1	0.27	1	0.27	U	1	0.27	1	0.27	U	1	0.27	1
Chlorobenzene	108-90-7	10	ug/l	0.75	U	1	0.75	1	0.75	U	1	0.75	1	0.75	U	1	0.75	1
Chloroform	67-66-3	10	ug/l	0.34	U	1	0.34	1	0.34	U	1	0.34	1	0.34	U	1	0.34	1
Methylene Chloride	75-09-2	10	ug/l	0.44	U	1	0.44	1	0.44	U	1	0.44	1	0.44	U	1	0.44	1
Tetrachloroethene (PCE)	127-18-4	10	ug/l	0.36	U	1	0.36	1	0.36	U	1	0.36	1	0.36	U	1	0.36	1
Toluene	108-88-3	10	ug/l	0.51	U	1	0.51	1	0.51	U	1	0.51	1	0.51	U	1	0.51	1
Trichloroethene (TCE)	79-01-6	10	ug/l	0.46	U	1	0.46	1	0.46	U	1	0.46	1	0.46	U	1	0.46	1
Total Concentration	--	--	ug/l	ND					ND					ND				

Exceedance Summary:
1 - Result exceeds Criteria
1 - MDL or RL greater than the applicable standard

Notes:
Q: data qualifier
MDL: method detection limit
RL: reporting limit
DF: dilution factor
J: result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value
U: indicates the analyte was analyzed for, but not detected
µg/L: microgram per liter

Prepared by: MW
Reviewed by: MA
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Table 5
Quarterly Effluent (SPDES) Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
5/10/2021

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	EFF					Discharge Rate
			Sample ID	EFF_021721					
			Sample Date	2/17/2021					
			Lab Sample ID	480-181262-3					
			Unit	Result	Q	RL	MDL	DF	lbs/day
Semi-Volatile Organic Compounds									
2,4-Dichlorophenol	120-83-2	10	ug/l	0.51	U	5	0.51	1	NA
Hexachloroethane	67-72-1	10	ug/l	0.59	U	5	0.59	1	NA
Naphthalene	91-20-3	10	ug/l	0.76	U	5	0.76	1	NA
Metals									
Arsenic	7440-38-2	0.036*	ug/l	5.6	U	15	5.6	1	0.0012
Chromium, Total	7440-47-3	0.072*	ug/l	1	U	4	1	1	0.0002
Copper	7440-50-8	0.1*	ug/l	1.6	U	10	1.6	1	0.0003
Lead	7439-92-1	0.16*	ug/l	3	U	10	3	1	0.0006
Nickel	7440-02-0	0.072*	ug/l	3.8	J	10	1.3	1	0.0008
Selenium	7782-49-2	0.48*	ug/l	8.7	U	25	8.7	1	0.0018
Zinc	7440-66-6	0.86*	ug/l	13		10	1.5	1	0.0027
General Chemistry									
Phenolics, Total Recoverable	TOTPHEN	10	ug/l	3.5	U	10	3.5	1	NA

Exceedance Summary:

1 - Result exceeds Criteria

1 - MDL or RL greater than the applicable standard

Notes:

SPDES - State Pollutant Discharge Elimination System
Q: data qualifier
MDL: method detection limit
RL: reporting limit
DF: dilution factor
J: result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value
U: indicates the analyte was analyzed for, but not detected
µg/L: microgram per liter
lbs/day: pounds per day (at assumed average of 35 gallons per minute)
NA: not applicable
* discharge limits for metals are in lbs/day

Prepared by: MW
Reviewed by: MA
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