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August 4, 2020

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

RE: Second Quarter 2020 – Status Report
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301

Dear Mr. Sadowski:

Attached is the status report for the Second Quarter 2020 activities at the Stauffer Management Company LLC site in Lewiston, New York. 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 April 1 and June 30, 2020, 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 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 listed U 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-1, EW-3, EW-5, DPA-202, DPA-203, and LR-66 have been operational at full and continuous capacity throughout the reporting quarter with the exceptions of planned downtime due to a liquid phase carbon exchange on June 19, 2020.

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

- The pneumatic pump at EW-4 continues to experience reduced performance due to fouling of piping and manifold components by suspended solids.
- EW-6 is experiencing control issues, which limit the extraction rate. This will be evaluated during the disinfection event planned for late July.
- Extraction performance in OW-3 continues to be reduced due to insufficient groundwater recovery in the well.

The operation of these wells is still being monitored. The replacement of instrumentation for wells EW-4 and EW-6 is being evaluated and will be completed, as needed, to maintain operation.

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

- The EW-2 flow meter was displaying an error and was replaced with a mechanical meter. Pump malfunction was confirmed after meter replacement and the pump will be replaced during the disinfection event planned for late July.
- DPA-201 remains offline and groundwater has not been recovered at an appreciable pumping level. This well will continue to be periodically measured for depth to water, and the pump will be recommissioned once groundwater levels return to a suitable level for sustained pumping.

Approximately 3,860,000 gallons of water were recovered from the extraction wells during the quarter, resulting in an average flow rate of approximately 28.2 gpm. 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. Disposal of spent bag filters was completed on June 3, 2020. A liquid phase carbon exchange took place on June

19, 2020, by draining the lead carbon vessel of water to a holding tank, pneumatically extracting the spent carbon to the carbon hauling vehicle, refilling the vessel with 10,000 pounds of fresh carbon, and reconfiguring the treatment train so that the previously lagging carbon vessel now operates as the lead carbon vessel before restarting the system.

General system maintenance of the well-specific manifold instrumentation, the pneumatic distribution and control system, and other miscellaneous components of the treatment system and building was also completed during the quarter, as needed, to maintain normal and safe system operations.

1.3 Area A Soil-Vapor Extraction (SVE) 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) was submitted to the NYSDEC on May 25, 2017, which includes provisions for removing the SVE system. Per email correspondence with Brian Sadowski dated September 3, 2019, the previously prepared SMP requires updates to reflect changes in system operation (i.e., chemical feed system) and oversight (i.e., change in project consultants). These revisions have been incorporated and a revised SMP was submitted to the NYSDEC on June 16, 2020 and is pending approval. Upon approval of the SMP by the NYSDEC, the Area A SVE system will be decommissioned.

2. Sampling

During the second quarter of 2020, we conducted the following sampling events:

Weekly Volatile Organic Compound (VOC) Mid-Carbon Sampling: Weekly samples are collected at the midpoint of carbon treatment between the lead and lag treatment vessels. The samples are 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 April 21, 2020; however, elevated contaminant concentrations (i.e., total mid-carbon concentration greater than 10% of the total influent concentration) were detected in mid-carbon samples between May 19, 2020 and June 16, 2020, representative of contaminant breakthrough in the lead carbon vessel. Accordingly, a carbon change-out was performed on June 19, 2020. A summary of the mid-carbon constituent detections is provided below.

- Elevated chloroform concentrations (up to 1,800 microgram per liter [µg/L]) were detected on May 5, 2020 and continued until the June carbon exchange.
- Elevated methylene chloride concentrations (up to 200 µg/L) were detected on April 29, 2020 and continued until the June carbon exchange.

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 June 16, 2020 sampling, with a total site-specific parameter list VOC concentration of 6,445 µg/L.

Monthly Effluent VOC Sampling: **Table 4** presents the results of the monthly effluent VOC sampling. All VOC concentrations were under their respective daily discharge limit, the majority of which, with the exception of methylene chloride, were under their respective method detection limits throughout the quarter.

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 May 19, 2020, for the first quarter. **Table 5** presents the effluent SPDES equivalent sampling results. Zinc was detected at an estimated concentration of 0.1.6 µg/L. As depicted in **Table 5**, discharge of zinc was below the respective pounds-per-day SPDES equivalent discharge limit. Semi-volatiles were non-detect for the quarter. 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 2020.

3. Request to Modify Sampling Frequency and Included Wells

Langan understands that 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 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. SMC is awaiting a NYSDEC response to the request to remove several monitoring wells from the annual sampling list.

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 upcoming 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.

4. Deliverables in the Second Quarter

- March 25, 2020 bag filter disposal event Generator Copy of Hazardous Waste Manifest to the NYSDEC and the MIDEQ.
- March 26, 2020 carbon exchange event Generator Copy of Hazardous Waste Manifest to the NYSDEC and the PADEP.
- June 3, 2020 bag filter disposal event Generator Copy of Hazardous Waste Manifest to the NYSDEC and the MIDEQ.

- June 19, 2020 carbon exchange event Generator Copy of Hazardous Waste Manifest to the NYSDEC and the PADEP.
- Revised Site Management Plan dated June 16, 2020
- Groundwater Monitoring Program Passive Sampling Work Plan dated June 26, 2020

5. Third Quarter 2020 Planned Events

- Treatment system operations will continue through the third quarter of 2020.
- The chemical-feed system will continue to operate full time through the third quarter of 2020, and optimizations will be made, as necessary.
- Routine treatment-system sampling and maintenance will continue throughout the third quarter of 2020.
- Change-out of lead GAC vessel.
- Disposal of spent bag filters.
- Submission of updated CSM Summary Report
- Annual extraction well cleaning and disinfection event
- Annual site-wide performance monitoring sampling event

TABLES

Table 1
System Extraction and Discharge Flow Rates
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
8/04/2020

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
4/1/2020	10080	8672336	2.24	34251064	0.00	4535973	9.89	9863785	0.02	92741906	0.01	2033020	0.03
4/8/2020	10080	8721338	4.86	34251064	0.00	4657545	12.06	9863790	0.00	92742058	0.02	2034100	0.11
4/14/2020	8640	8755532	3.96	34251064	0.00	4749600	10.65	9863815	0.00	92742232	0.02	2038144	0.47
4/21/2020	10080	8796506	4.06	34251064	0.00	4860135	10.97	9863888	0.01	92957808	21.39	2038143	0.00
4/29/2020	11520	8839206	3.71	34251064	0.00	4985833	10.91	9865042	0.10	93205894	21.54	2041309	0.27
5/5/2020	8640	8863198	2.78	34251064	0.00	5090829	12.15	9867087	0.24	93379879	20.14	2041317	0.00
5/12/2020	10080	8885250	2.19	34251064	0.00	5209959	11.82	9868311	0.12	93581498	20.00	2042296	0.10
5/19/2020	10080	8904178	1.88	34251064	0.00	5321165	11.03	9869839	0.15	93777594	19.45	2042332	0.00
5/26/2020	10080	8918796	1.45	34251064	0.00	5424874	10.29	9870042	0.02	93969327	19.02	2047261	0.49
6/3/2020	11520	8939608	1.81	34251064	0.00	5545441	10.47	9871552	0.13	94191281	19.27	2047849	0.05
6/16/2020	18720	8973552	1.81	34251064	0.00	5736332	10.20	9875348	0.20	94559261	19.66	2047849	0.00
6/23/2020	10080	8996948	2.32	34251064	0.00	5845522	10.83	9876949	0.16	94622973	6.32	2048143	0.03
6/29/2020	8640	9012138	1.76	34251064	0.00	5942625	11.24	9878587	0.19	94623081	0.01	2048143	0.00
7/7/2020	11520	9032232	1.74	34251064	0.00	6048551	9.19	9879284	0.06	94827050	17.71	2048143	0.00
Totals / Averages		**359896**	**2.68**	**0**	**0.00**	**1512578**	**10.96**	**15499**	**0.10**	**2085144**	**12.83**	**15123**	**0.12**

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
8/04/2020

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
4/1/2020	10080	86791	0.04	49456	0.00	1641	0.00	307576	0.71	25905797	39.93
4/8/2020	10080	87700	0.09	49466	0.00	1641	0.00	316365	0.87	26081665	17.45
4/14/2020	8640	87929	0.03	49472	0.00	1641	0.00	323412	0.82	26238955	18.20
4/21/2020	10080	87962	0.00	49495	0.00	1641	0.00	332321	0.88	26596475	35.47
4/29/2020	11520	88081	0.01	51469	0.17	1641	0.00	341965	0.84	27004282	35.40
5/5/2020	8640	88238	0.02	52848	0.16	1641	0.00	349886	0.92	27297704	33.96
5/12/2020	10080	88251	0.00	53112	0.03	1641	0.00	357263	0.73	27626357	32.60
5/19/2020	10080	88799	0.05	53316	0.02	1641	0.00	364845	0.75	27935383	30.66
5/26/2020	10080	89011	0.02	54118	0.08	1641	0.00	374315	0.94	28236494	29.87
6/3/2020	11520	95903	0.60	54349	0.02	1641	0.00	383542	0.80	28588784	30.58
6/16/2020	18720	95954	0.00	54882	0.03	1641	0.00	399340	0.84	29147042	29.82
6/23/2020	10080	100759	0.48	55653	0.08	1641	0.00	408691	0.93	29341811	19.32
6/29/2020	8640	103520	0.32	56032	0.04	1641	0.00	416324	0.88	29459414	13.61
7/7/2020	11520	106329	0.24	56188	0.01	1641	0.00	426820	0.91	29768154	26.80
Totals / Averages		**19538**	**0.13**	**6732**	**0.05**	**0**	**0.00**	**119244**	**0.84**	**3862357**	**28.22**

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
08/04/2020

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	CBT					CBT					CBT					CBT				
			Sample ID	CBT_040120					CBT_040820					CBT_041420					CBT_042120				
			Sample Date	4/1/2020					4/8/2020					4/14/2020					4/21/2020				
			Lab Sample ID	480-168021-1					480-168345-1					480-168576-1					480-168866-1				
			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	0.46	J	1	0.19	1	0.2	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	0.27	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	0.54	J	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	8.1		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	0.46					0.2					0.54					8.1				

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\2020 Q2\Tables\2020-0724 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
08/04/2020

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	CBT					CBT					CBT					CBT				
			Sample ID	CBT_042920					CBT_050520					CBT_051220					CBT_051920				
			Sample Date	4/29/2020					5/5/2020					5/12/2020					5/19/2020				
			Lab Sample ID	480-169233-2					480-169457-1					480-169860-1					480-170129-2				
			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	2.1	U	5	2.1	5
Carbon Disulfide	75-15-0	Monitor	ug/l	0.29	J	1	0.19	1	2.7		1	0.19	1	1		1	0.19	1	1.2	J	5	0.95	5
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	1.4	U	5	1.4	5
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	3.8	U	5	3.8	5
Chloroform	67-66-3	10	ug/l	5.4		1	0.34	1	22		1	0.34	1	240		5	1.7	5	610		10	3.4	10
Methylene Chloride	75-09-2	10	ug/l	59		1	0.44	1	70		1	0.44	1	170		5	2.2	5	190		5	2.2	5
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	1.8	U	5	1.8	5
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	2.6	U	5	2.6	5
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	2.3	U	5	2.3	5
Total Concentration	--	--	ug/l	64.69					94.7					411					801.2				

Exceedance Summary:

1 - Result exceeds Criteria

1 - MDL or RL greater than the applicable standard

Notes:

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Table 2
Weekly Mid-Carbon Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
08/04/2020

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	CBT					CBT					CBT					CBT				
			Sample ID	CBT_052620					CBT_060320					CBT-060920					CBT-061620				
			Sample Date	5/26/2020					6/3/2020					6/9/2020					6/16/2020				
			Lab Sample ID	480-170395-1					480-170708-1					480-170935-1					480-171234-2				
			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	8.2	U	*20*	8.2	20	8.2	U	*20*	8.2	20	8.2	U	*20*	8.2	20
Carbon Disulfide	75-15-0	Monitor	ug/l	1.2		1	0.19	1	3.8	U	20	3.8	20	4.5	J	20	3.8	20	3.8	U	20	3.8	20
Carbon Tetrachloride	56-23-5	10	ug/l	0.57	J	1	0.27	1	5.4	U	*20*	5.4	20	5.4	U	*20*	5.4	20	5.4	U	*20*	5.4	20
Chlorobenzene	108-90-7	10	ug/l	0.75	U	1	0.75	1	15	U	*20*	*15*	20	15	U	*20*	*15*	20	15	U	*20*	*15*	20
Chloroform	67-66-3	10	ug/l	1,000		*20*	6.8	20	1,700		*20*	6.8	20	1,800		*20*	6.8	20	1,800		*20*	6.8	20
Methylene Chloride	75-09-2	10	ug/l	180		*20*	8.8	20	200		*20*	8.8	20	180		*20*	8.8	20	160		*20*	8.8	20
Tetrachloroethene (PCE	127-18-4	10	ug/l	0.36	U	1	0.36	1	7.2	U	*20*	7.2	20	7.2	U	*20*	7.2	20	7.2	U	*20*	7.2	20
Toluene	108-88-3	10	ug/l	0.51	U	1	0.51	1	10	U	*20*	10	20	10	U	*20*	10	20	10	U	*20*	10	20
Trichloroethene (TCE)	79-01-6	10	ug/l	0.46	U	1	0.46	1	9.2	U	*20*	9.2	20	9.2	U	*20*	9.2	20	9.2	U	*20*	9.2	20
Total Concentration	--	--	ug/l	1,182					1,900					1,985					1,960				

Exceedance Summary:

1 - Result exceeds Criteria

1 - MDL or RL greater than the applicable standard

Notes:

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Table 2
Weekly Mid-Carbon Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
08/04/2020

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	CBT					CBT				
			Sample ID	CBT-062320					CBT-062920				
			Sample Date	6/23/2020					6/29/2020				
			Lab Sample ID	480-171539-1					480-171811-1				
			Unit	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
Carbon Disulfide	75-15-0	Monitor	ug/l	0.51	J	1	0.19	1	0.89	J	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
Chlorobenzene	108-90-7	10	ug/l	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
Methylene Chloride	75-09-2	10	ug/l	4.7		1	0.44	1	3.9		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
Toluene	108-88-3	10	ug/l	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
Total Concentration	--	--	ug/l	5.21					4.79				

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 3
Monthly Influent Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
08/04/2020

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	INF					INF					INF				
			Sample ID	INF_042920					INF_051920					INF-061620				
			Sample Date	4/29/2020					5/19/2020					6/16/2020				
			Lab Sample ID	480-169233-1					480-170129-1					480-171234-1				
			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	21	U	*50*	*21*	50	21	U	*50*	*21*	50	21	U	*50*	*21*	50
Carbon Disulfide	75-15-0	Monitor	ug/l	2,000		50	9.5	50	1,600		50	9.5	50	2,200		50	9.5	50
Carbon Tetrachloride	56-23-5	10	ug/l	2,500		*50*	*14*	50	2,800		*50*	*14*	50	2,800		*50*	*14*	50
Chlorobenzene	108-90-7	10	ug/l	38	U	*50*	*38*	50	38	U	*50*	*38*	50	38	U	*50*	*38*	50
Chloroform	67-66-3	10	ug/l	1,200		*50*	*17*	50	1,300		*50*	*17*	50	1,300		*50*	*17*	50
Methylene Chloride	75-09-2	10	ug/l	80		*50*	*22*	50	110		*50*	*22*	50	22	U	*50*	*22*	50
Tetrachloroethene (PCE)	127-18-4	10	ug/l	65		*50*	*18*	50	75		*50*	*18*	50	69		*50*	*18*	50
Toluene	108-88-3	10	ug/l	26	U	*50*	*26*	50	26	U	*50*	*26*	50	26	U	*50*	*26*	50
Trichloroethene (TCE)	79-01-6	10	ug/l	69		*50*	*23*	50	79		*50*	*23*	50	76		*50*	*23*	50
Total Concentration		NS	ug/l	5,914					5,964					6,445				

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
F1: MS and/or MSD Recovery is outsdie acceptance limits
µg/L: microgram per liter

Prepared by: MW
Reviewed by: MA
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Table 4
Monthly Effluent Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
08/04/2020

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	EFF					EFF					EFF				
			Sample ID	EFF_042920					EFF_051920					EFF-061620				
			Sample Date	4/29/2020					5/19/2020					6/16/2020				
			Lab Sample ID	480-169233-3					480-170129-3					480-171234-3				
			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	2.7		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	0					0					2.7				

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
08/04/2020

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	EFF					Discharge Rate
			Sample ID	EFF_051920					
			Sample Date	5/19/2020					
			Lab Sample ID	480-170129-3					
			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	1.3	U	10	1.3	1	0.0003
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	1.6	JB	10	1.5	1	0.0003
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
B: analyte detection in both blank and sample
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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