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November 12, 2020

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

RE: Third 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 Third 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 July 1 and September 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 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-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 well disinfection event completed the weeks of July 20th and 27th and a liquid phase carbon exchange completed on September 24, 2020.

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

- The well pump in EW-2, after replacement of the non-functional, electromagnetic flow meter with a temporary mechanical flow meter, was found to be defective and was replaced during the disinfection event in late July.
- The pneumatic pump at EW-4 continues to experience reduced performance due to fouling of piping and manifold components by suspended solids.
- EW-6 was experiencing control issues, which limited the extraction rate. This was mitigated this reporting period by replacing the pressure transducer in the well.
- 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. EW-2 and EW-6, based on operational data, are running close to full capacity. The optimization of well EW-4 is being evaluated and will be completed, as needed, to maintain operation.

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

- 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 3,580,000 gallons of water were recovered from the extraction wells during the quarter, resulting in an average flow rate of approximately 28.3 gpm. A summary of the system totalizer readings is provided as **Table 1**.

1.2 Groundwater Treatment System

A site-wide recovery well disinfection and cleaning event was completed between July 20, 2020 and July 28, 2020. In addition to disinfecting (with bleach and muriatic acid) and surging the recovery wells themselves, all associated submersible pumps were disassembled, cleaned, inspected, and reassembled (or replaced) prior to reinstallation into their respective wells. Any solids and water recovered as a result of these activities were routed to central on-site storage tanks. All recovery wells, EW-1, EW-2, EW-3, EW-4, EW-5, EW-6, DPA-201, DPA-202, DPA-203, OW-3 and LR-66, were cleaned and disinfected.

Chemical feed delivery system operations continued throughout the quarter. Disposal of spent bag filters was completed on September 9, 2020. A liquid phase carbon exchange took place on September 24, 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 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. Comments on the revised SMP were received from the NYSDEC on September 21, 2020. Upon submission and approval of the revised SMP by the NYSDEC, the Area A SVE system will be decommissioned.

2. Sampling

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

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 July 14, 2020; however, elevated contaminant concentrations (i.e., total mid-carbon concentration greater than 10% of the total influent concentration) were not detected in mid-carbon samples until September 9, 2020 and September 14, 2020, representative of contaminant breakthrough in the lead carbon vessel. Accordingly, a carbon change-out was performed on September 24, 2020. A summary of the mid-carbon constituent detections is provided below.

- Elevated chloroform concentrations (up to 500 micrograms per liter [µg/L]) were detected on August 18, 2020 and continued until the September carbon exchange.
- Elevated methylene chloride concentrations (up to 130 µg/L) were detected on July 14, 2020 and continued until the September 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 September 9, 2020 sampling, with a total site-specific parameter list VOC concentration of 10,126 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 carbon disulfide and 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 August 11, 2020, for the third quarter. **Table 5** presents the effluent SPDES equivalent sampling results. Total chromium and zinc were detected at an estimated concentration of 1.1 µg/L and 9.2 µg/L, respectively. As depicted in **Table 5**, discharge of total chromium and zinc were below the respective pounds-per-day SPDES equivalent discharge limit. Semi-volatiles were non-detect for the quarter. Total Recoverable Phenolics were detected at an estimated 9.5 µg/L 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 third 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 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 24th, 2020 and the data will be presented in the 2020 Annual OM&M Report.

4. Deliverables in the Third Quarter

- September 9, 2020 bag filter disposal event Generator Copy of Hazardous Waste Manifest provided to the NYSDEC and the MIDEQ.
- September 24, 2020 carbon exchange event Generator Copy of Hazardous Waste Manifest provided to the NYSDEC and the PADEP.
- 2020 CSM Summary Update Report dated August 26, 2020 provided to the NYSDEC.

5. Fourth Quarter 2020 Planned Events

- Treatment system operations will continue through the fourth quarter of 2020.
- The chemical feed system will continue to operate full time through the fourth quarter of 2020; optimizations will be made, as necessary.
- Routine treatment system sampling and maintenance will continue throughout the fourth quarter of 2020.
- A change-out of the lead GAC vessel will be completed.
- Spent bag filters will be disposed of offsite.
- The installation of system upgrades will be completed.

TABLES

Table 1
System Extraction and Discharge Flow Rates
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
11/12/2020

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
7/7/2020	11520	9032232	1.74	34251064	0.00	6048551	9.19	9879284	0.06	94827050	17.71	2048143	0.00
7/14/2020	10080	9035062	0.28	64	0.01	6139204	8.99	9879508	0.02	95017080	18.85	2048210	0.01
7/29/2020	21600	9041786	0.31	16089	0.74	6226451	4.04	9880516	0.05	95185348	7.79	2048219	0.00
8/11/2020	18720	9125992	4.50	262894	13.18	6408247	9.71	9881500	0.05	95271072	4.58	2048325	0.01
8/18/2020	10080	9176388	5.00	373402	10.96	6493826	8.49	9882580	0.11	95407773	13.56	2048325	0.00
8/27/2020	12960	9241300	5.01	522487	11.50	6611956	9.11	9884640	0.16	95494695	6.71	2050483	0.17
9/1/2020	7200	9275060	4.69	602079	11.05	6672590	8.42	9885674	0.14	95575227	11.19	2050793	0.04
9/9/2020	11520	9331212	4.87	736498	11.67	6779415	9.27	9887379	0.15	95602034	2.33	2054490	0.32
9/14/2020	7200	9367900	5.10	817914	11.31	6850428	9.86	9888592	0.17	95602172	0.02	2064715	1.42
9/25/2020	15840	9446884	4.99	978406	10.13	6986931	8.62	9890799	0.14	95791783	11.97	2067869	0.20
10/6/2020	15840	9525750	4.98	1143596	10.43	7136376	9.43	9893119	0.15	95846332	3.44	2086874	1.20
Totals / Averages		**493518**	**3.77**	**1143532**	**8.27**	**1087825**	**8.65**	**13835**	**0.11**	**1019282**	**8.92**	**38731**	**0.31**

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.

Prepared by: MW
Reviewed by: MA
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Table 1
System Extraction and Discharge Flow Rates
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
11/12/2020

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
7/7/2020	11520	106329	0.24	56188	0.01	1641	0.00	426820	0.91	29768154	26.80
7/14/2020	10080	108016	0.17	58069	0.19	1641	0.00	436637	0.97	30043826	27.35
7/29/2020	21600	109007	0.05	60262	0.10	1641	0.00	446218	0.44	30316002	12.60
8/11/2020	18720	112045	0.16	62214	0.10	1641	0.00	463840	0.94	30878549	30.05
8/18/2020	10080	113227	0.12	63331	0.11	1641	0.00	472827	0.89	31245317	36.39
8/27/2020	12960	114806	0.12	64240	0.07	1641	0.00	480912	0.62	31640391	30.48
9/1/2020	7200	115162	0.05	64874	0.09	1641	0.00	485188	0.59	31898155	35.80
9/9/2020	11520	116789	0.14	65819	0.08	1641	0.00	492251	0.61	32184167	24.83
9/14/2020	7200	117638	0.12	66002	0.03	1641	0.00	496277	0.56	32370283	25.85
9/25/2020	15840	118744	0.07	66179	0.01	1641	0.00	505930	0.61	32895836	33.18
10/6/2020	15840	119621	0.06	66978	0.05	1641	0.00	512917	0.44	33345016	28.36
Totals / Averages		**13292**	**0.12**	**10790**	**0.08**	**0**	**0.00**	**86097**	**0.69**	**3576862**	**28.33**

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.

Prepared by: MW
Reviewed by: MA
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Table 2
Weekly Mid-Carbon Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
11/12/2020

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	CBT					CBT					CBT					CBT				
			Sample ID	CBT-070720					CBT_071420					CBT_080420					CBT_081120				
			Sample Date	7/7/2020					7/14/2020					8/4/2020					8/11/2020				
			Lab Sample ID	480-172024-2					480-172364-1					480-173313-1					480-173710-2				
			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	0.41	U	1	0.41	1
Carbon Disulfide	75-15-0	Monitor	ug/l	1.6		1	0.19	1	0.57	J	1	0.19	1	0.19	U	1	0.19	1	1.1		1	0.19	1
Carbon Tetrachloride	56-23-5	10	ug/l	0.27	U	1	0.27	1	0.33	J	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	0.69	J	1	0.34	1	0.34	U	1	0.34	1	0.34	U	1	0.34	1	6.6		1	0.34	1
Methylene Chloride	75-09-2	10	ug/l	7.4		1	0.44	1	22		1	0.44	1	46		1	0.44	1	39		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	9.69					22.9					46					46.7				

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

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Table 2
Weekly Mid-Carbon Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
11/12/2020

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	CBT					CBT					CBT					CBT				
			Sample ID	CBT_081820					CBT_082520					CBT_090120					CBT_090920				
			Sample Date	8/18/2020					8/25/2020					9/1/2020					9/9/2020				
			Lab Sample ID	480-173928-1					480-174204-1					480-174548-1					480-174922-2				
			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	0.82	U	2	0.82	2	0.82	U	2	0.82	2	1.6	U	4	1.6	4
Carbon Disulfide	75-15-0	Monitor	ug/l	0.51	J	1	0.19	1	1.5	J	2	0.38	2	0.38	U	2	0.38	2	0.76	U	4	0.76	4
Carbon Tetrachloride	56-23-5	10	ug/l	0.27	U	1	0.27	1	0.54	U	2	0.54	2	0.98	J	2	0.54	2	1.1	U	4	1.1	4
Chlorobenzene	108-90-7	10	ug/l	0.75	U	1	0.75	1	1.5	U	2	1.5	2	1.5	U	2	1.5	2	3	U	4	3	4
Chloroform	67-66-3	10	ug/l	64		1	0.34	1	120		2	0.68	2	280	D	5	1.7	5	450		8	2.7	8
Methylene Chloride	75-09-2	10	ug/l	110		2	0.88	2	110		2	0.88	2	120		2	0.88	2	130		4	1.8	4
Tetrachloroethene (PCE)	127-18-4	10	ug/l	0.36	U	1	0.36	1	0.72	U	2	0.72	2	0.72	U	2	0.72	2	1.4	U	4	1.4	4
Toluene	108-88-3	10	ug/l	0.51	U	1	0.51	1	1	U	2	1	2	1	U	2	1	2	2	U	4	2	4
Trichloroethene (TCE)	79-01-6	10	ug/l	0.46	U	1	0.46	1	0.92	U	2	0.92	2	0.92	U	2	0.92	2	1.8	U	4	1.8	4
Total Concentration	--	--	ug/l	174.5					231.5					401					580				

Exceedance Summary:

1 - Result exceeds Criteria

1 - MDL or RL greater than the applicable standard

Notes:

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U: indicates the analyte was analyzed for, but not detected
µg/L: microgram per liter

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Table 2
Weekly Mid-Carbon Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
11/12/2020

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	CBT					CBT					CBT				
			Sample ID	CBT_091420					CBT_092520					CBT_092920				
			Sample Date	9/14/2020					9/25/2020					9/29/2020				
			Lab Sample ID	480-175098-1					480-175647-1					480-175753-1				
			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	1.6	U	4	1.6	4	0.41	U	1	0.41	1	0.41	U	1	0.41	1
Carbon Disulfide	75-15-0	Monitor	ug/l	0.76	U	4	0.76	4	0.19	U	1	0.19	1	0.19	U	1	0.19	1
Carbon Tetrachloride	56-23-5	10	ug/l	2	J	4	1.1	4	0.27	U	1	0.27	1	0.27	U	1	0.27	1
Chlorobenzene	108-90-7	10	ug/l	3	U	4	3	4	0.75	U	1	0.75	1	0.75	U	1	0.75	1
Chloroform	67-66-3	10	ug/l	500		10	3.4	10	0.34	U	1	0.34	1	0.34	U	1	0.34	1
Methylene Chloride	75-09-2	10	ug/l	100		4	1.8	4	4.6		1	0.44	1	5.5		1	0.44	1
Tetrachloroethene (PCE)	127-18-4	10	ug/l	1.4	U	4	1.4	4	0.36	U	1	0.36	1	0.36	U	1	0.36	1
Toluene	108-88-3	10	ug/l	2	U	4	2	4	0.51	U	1	0.51	1	0.51	U	1	0.51	1
Trichloroethene (TCE)	79-01-6	10	ug/l	1.8	U	4	1.8	4	0.46	U	1	0.46	1	0.46	U	1	0.46	1
Total Concentration	--	--	ug/l	602					4.6					5.5				

Exceedance Summary:

1 - Result exceeds Criteria

1 - MDL or RL greater than the applicable standard

Notes:

Q: data qualifier
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Table 3
Monthly Influent Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
11/12/2020

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	INF					INF					INF				
			Sample ID	INF-070720					INF_081120					INF_090920				
			Sample Date	7/7/2020					8/11/2020					9/9/2020				
			Lab Sample ID	480-172024-1					480-173710-1					480-174922-1				
			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	1,800		50	9.5	50	2,500		50	9.5	50	6,000		130	24	125
Carbon Tetrachloride	56-23-5	10	ug/l	2,300		*50*	*14*	50	1,900		*50*	*14*	50	2,700		*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	1,000		*50*	*17*	50	1,000		*50*	*17*	50	1,200		*50*	*17*	50
Methylene Chloride	75-09-2	10	ug/l	22	U	*50*	*22*	50	86		*50*	*22*	50	140		*50*	*22*	50
Tetrachloroethene (PCE)	127-18-4	10	ug/l	46	J	*50*	*18*	50	29	J	*50*	*18*	50	37	J	*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	63		*50*	*23*	50	35	J	*50*	*23*	50	49	J	*50*	*23*	50
Total Concentration		NS	ug/l	5,209					5,550					10,126				

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
11/12/2020

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	EFF					EFF					EFF				
			Sample ID	EFF-070720					EFF_081120					EFF_090920				
			Sample Date	7/7/2020					8/11/2020					9/9/2020				
			Lab Sample ID	480-172024-3					480-173710-3					480-174922-3				
			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	2.7		1	0.19	1	2.3		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	0.66	J	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	0.56	J	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	3.36					2.86					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
11/12/2020

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	EFF					Discharge Rate
			Sample ID	EFF_081120					
			Sample Date	8/11/2020					
			Lab Sample ID	480-173710-3					
			Unit	Result	Q	RL	MDL	DF	lbs/day
Semi-Volatile Organic Compounds									
2,4-Dichlorophenol	120-83-2	10	ug/l	0.53	U	5	0.53	1	NA
Hexachloroethane	67-72-1	10	ug/l	0.61	U	5	0.61	1	NA
Naphthalene	91-20-3	10	ug/l	0.79	U	5	0.79	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	1.1	J	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	9.2	J	10	1.5	1	0.0019
General Chemistry									
Phenolics, Total Recoverable	TOTPHEN	10	ug/l	9.5	J	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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