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February 1, 2022

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

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

Dear Mr. Moeller:

Attached is the status report for the fourth quarter of 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
Senior 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 October 1 and December 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, except during the complete system shutdown which occurred from October 25th to November 24th. The system was shut down in response to the detection of elevated concentrations of contaminants in the system effluent, discussed further below in Section 2. Additional system shutdowns include minor periods of planned downtime due to bag filter change-outs, carbon exchanges, and other general maintenance tasks. Outside of these downtimes, all extraction wells, except DPA-201, have been operational at full and continuous capacity throughout the reporting quarter. DPA-201 remained off-line due to a lack of groundwater. Depth to groundwater will continue to be measured periodically at this well; the pump will be recommissioned when groundwater levels return to a suitable level for sustained pumping.

Approximately 2,140,000 gallons of water were recovered from the extraction wells during the quarter, resulting in an average flow rate of approximately 21.2 gallons per minute. The total flow rate recorded from well-specific flow meters is more than that measured by the combined effluent flow meter. The cause of this discrepancy (i.e., fouling of the flow meter) is being investigated. 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 accumulated spent bag filters was completed on December 28, 2021. A liquid-phase granular activated carbon (GAC) exchange was completed on November 23, 2021 and another was completed on January 5, 2022. Drill cuttings associated with the continued advancement of the conceptual site model were disposed of offsite on December 1, 2021 – this did not occur within the initial 90-day hazardous waste hold time due to a nationwide capacity backlog; however, a request for a 30-day extension (December 5, 2021) was made to the NYSDEC and was granted in an email letter dated November 17, 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

A Site Management Plan (SMP), submitted to the NYSDEC on May 25, 2017, included provisions for removing the Area A Soil Vapor Extraction (SVE) system, which was shut down in early August 2014. Per email correspondence with Brian Sadowski dated September 3, 2019, the SMP required updates to reflect changes in system operation (i.e., addition of 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 Operation, Maintenance, and Monitoring (OM&M) Plan was similarly updated and submitted to the NYSDEC as a component of the updated SMP on May 5, 2021. Approval of the updated SMP and OM&M Plan was received from the NYSDEC on June 3, 2021. With this approval, the Area A SVE system was decommissioned and dismantled in October 2021. All SVE wells not associated with the groundwater extraction system were abandoned by a New York State licensed driller. Above-ground piping, SVE system process equipment and vapor phase carbon vessels were sampled for site contaminants of concern, decontaminated, as needed, and removed from the site. Vapor phase carbon associated with the SVE system has been profiled and approved for regeneration. Coordination and removal of the vapor phase carbon will occur in the upcoming reporting period.

2. Sampling

The following sampling events were conducted during the fourth 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 throughout the reporting period. However, elevated contaminant concentrations (i.e., total mid-carbon concentration greater than 10% of the total influent concentration) were not detected until October 11, 2021. A lead carbon change-out was performed as a part of the system restart, following the completion of the well modification, abandonment, and reinstallation; pump test performance; and well cleaning and disinfection activities, on September 16, 2021. Another lead carbon change-out occurred on January 5, 2022. A summary of the mid-carbon constituent detections is provided below.

- Elevated chloroform concentrations (up to 610 micrograms per liter [µg/L]) were detected on October 11, 2021, and continued throughout the reporting period.
- Elevated methylene chloride concentrations (up to 37 µg/L) were detected on October 11, 2021, and continued throughout the reporting period.
- Elevated carbon tetrachloride concentrations (up to 330 µg/L) were detected on October 11, 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 November

1, 2021 sampling event, with a total site-specific parameter list VOC concentration of 23,427 µg/L.

Monthly Effluent VOC Sampling: **Table 4** presents the results of the monthly effluent VOC sampling. Concentrations of carbon tetrachloride, chloroform and methylene chloride were detected above the discharge criteria starting October 11, 2021. Confirmation samples were taken to verify these exceedances on October 18, 2021 and the system was subsequently turned off on October 25th, 2021 to evaluate contaminant reduction deficiencies of the lag carbon adsorber. The NYSDEC was informed of the observed exceedances and the corrective actions being taken on October 28, 2021. The lag absorber was rebedded on November 23, 2021 and the system was temporarily restarted on November 24, 2021; the effluent water was collected in an onsite storage tank until analytical data was received. Full system operations and discharge of the effluent resumed on November 30, 2021 following confirmation of the ability of the system to meet discharge criteria.

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 December 14, 2021. **Table 5** presents the effluent SPDES equivalent sampling results. Total chromium was detected at an estimated concentration of 1 µg/L; discharge of chromium was below the pounds-per-day SPDES equivalent discharge limit. Zinc was detected at an estimated concentration of 4 µg/L; discharge of zinc was below the pounds-per-day SPDES equivalent discharge limit. No other metals were detected. Semi-volatile organic compounds and total recoverable phenolics were non-detect for the quarter. Per the results of this sampling, all compounds in the system effluent, included in this sampling event, were detected below their applicable discharge limits. See the monthly effluent VOC sampling discussion above regarding limited VOC exceedances in the system effluent.

With the Area A SVE blower shut down, no influent vapor samples were collected in the fourth quarter of 2021. As the Area A SVE system has now been decommissioned, vapor samples are no longer expected to be collected at the site. The annual groundwater monitoring event was completed during this reporting quarter and the analytical results of the sampling event will be included in the 2021 Annual OM&M Report.

3. Deliverables in the Fourth Quarter

- September 15, 2021 spent bag filter event Generator Copy of Hazardous Waste Manifest provided to the NYSDEC and Michigan Department of Environmental Quality (MIDEQ).
- November 23, 2021 carbon exchange event Generator Copy of Hazardous Waste Manifest provided to the NYSDEC and the Pennsylvania Department of Environmental Protection.
- December 1, 2021 EW-1R drill cuttings disposal event Generator Copy of Hazardous Waste Manifest provided to the NYSDEC and the MIDEQ.

4. First Quarter 2022 Planned Events

- Treatment system operations will continue through the first quarter of 2022.

- The chemical feed system will continue to operate full-time through the first quarter of 2022; optimizations will be made, as necessary.
- Routine treatment system sampling and maintenance will continue throughout the first quarter of 2022.
- A change-out of the lead GAC vessel was completed on January 5, 2022 and will be reported on in the next quarterly report.
- Spent Area A SVE system vapor phase carbon will be regenerated off-site.
- 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
2/01/2022

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
10/4/2021	8,640	454,835	1.25	2,883,370	14.7	3,015,387	16.06	51,965	0.00	4,477,222	12.6	1,555,980	3.66
10/11/2021	10,080	467,162	1.22	3,028,692	14.4	3,164,238	14.77	57,151	0.51	4,600,371	12.2	1,593,035	3.68
10/18/2021	10,080	479,597	1.23	3,171,454	14.2	3,330,540	16.50	62,440	0.52	4,722,990	12.2	1,624,958	3.17
10/25/2021	10,080	491,018	1.13	3,293,859	12.1	3,444,688	11.32	67,736	0.53	4,810,440	8.7	1,651,243	2.61
11/30/2021	51,840	500,830	0.19	3,400,888	2.1	3,595,627	2.91	71,852	0.08	4,879,739	1.3	1,668,989	0.34
12/7/2021	10,080	511,703	1.08	3,522,201	12.0	3,769,835	17.28	76,873	0.50	4,973,979	9.3	1,680,950	1.19
12/14/2021	10,080	521,132	0.94	3,619,953	9.7	3,907,445	13.65	81,610	0.47	5,052,091	7.7	1,726,245	4.49
12/20/2021	8,640	528,024	0.80	3,703,587	9.7	4,060,672	17.73	85,826	0.49	5,100,473	5.6	1,761,273	4.05
12/28/2021	11,520	540,215	1.06	3,833,925	11.3	4,259,467	17.26	91,736	0.51	5,181,224	7.0	1,805,169	3.81
1/6/2022	12,960	552,244	0.93	3,973,809	10.8	4,457,992	15.32	97,922	0.48	5,269,880	6.8	1,848,116	3.31
Totals / Averages		**552,244**	**1.14**	**3,973,809**	**8.02**	**4,457,992**	**8.96**	**97,922**	**0.19**	**5,269,880**	**10.75**	**1,848,116**	**3.78**

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
2/01/2022

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
10/4/2021	8,640	6,505	0.00	1,233	0.00	9,931,589	0.01	847,824	0.54	43,746,365	26.0
10/11/2021	10,080	10,845	0.43	1,270	0.00	9,931,606	0.00	854,759	0.69	44,004,254	25.6
10/18/2021	10,080	16,883	0.60	1,391	0.01	9,931,622	0.00	858,856	0.41	44,256,524	25.0
10/25/2021	10,080	22,575	0.56	1,467	0.01	9,933,793	0.22	861,797	0.29	44,447,192	18.9
11/30/2021	51,840	29,196	0.13	1,857	0.01	9,935,209	0.03	861,914	0.00	44,704,582	5.0
12/7/2021	10,080	36,244	0.70	1,913	0.01	9,936,901	0.17	861,932	0.00	44,958,725	25.2
12/14/2021	10,080	42,931	0.66	2,060	0.01	9,938,470	0.16	864,833	0.29	45,189,631	22.9
12/20/2021	8,640	48,879	0.69	2,099	0.00	9,940,531	0.24	868,253	0.40	45,376,739	21.7
12/28/2021	11,520	56,243	0.64	2,148	0.00	9,943,365	0.25	868,914	0.06	45,631,795	22.1
1/6/2022	12,960	62,918	0.52	2,261	0.01	9,948,658	0.41	868,921	0.00	45,887,359	19.7
Totals / Averages		**62,918**	**0.12**	**2,261**	**0.00**	**49,001**	**0.10**	**320,310**	**0.67**	**11,052,592**	**22.46**

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
2/01/2022

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	CBT					CBT					CBT					CBT					CBT				
			Sample Name	CBT_100421					CBT_101121					CBT_101821					CBT_102521					CBT_110121				
			Sample Date	10/4/2021					10/11/2021					10/18/2021					10/25/2021					11/1/2021				
			Unit	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF
Volatile Organic Compounds																												
Benzene	71-43-2	10	ug/l	0.41	U	0.41	1	1	3.3	U	3.3	8	8	3.3	U	3.3	8	8	0.41	U	0.41	1	1	3.3	U	3.3	8	8
Carbon Disulfide	75-15-0	Monitor	ug/l	0.19	U	0.19	1	1	1.5	U	1.5	8	8	1.5	U	1.5	8	8	0.77	J	0.19	1	1	2.3	J	1.5	8	8
Carbon Tetrachloride	56-23-5	10	ug/l	0.61	J	0.27	1	1	**330**		2.2	8	8	**300**		2.2	8	8	**240**	D	1.4	5	5	**260**		2.2	8	8
Chlorobenzene	108-90-7	10	ug/l	0.75	U	0.75	1	1	6	U	6	8	8	6	U	6	8	8	0.75	U	0.75	1	1	6	U	6	8	8
Chloroform	67-66-3	10	ug/l	0.41	J	0.34	1	1	**200**		2.7	8	8	**190**		2.7	8	8	**200**	D	1.7	5	5	**200**		2.7	8	8
Methylene Chloride	75-09-2	10	ug/l	1.1		0.44	1	1	**26**		3.5	8	8	**18**		3.5	8	8	**30**		0.44	1	1	**11**		3.5	8	8
Tetrachloroethene (PCE)	127-18-4	10	ug/l	0.36	U	0.36	1	1	4.7	J	2.9	8	8	2.9	U	2.9	8	8	2.3		0.36	1	1	2.9	U	2.9	8	8
Toluene	108-88-3	10	ug/l	0.51	U	0.51	1	1	4.1	U	4.1	8	8	4.1	U	4.1	8	8	0.51	U	0.51	1	1	4.1	U	4.1	8	8
Trichloroethene (TCE)	79-01-6	10	ug/l	0.46	U	0.46	1	1	4.5	J	3.7	8	8	3.7	U	3.7	8	8	2.9		0.46	1	1	3.7	U	3.7	8	8
Total Concentration	--	--	ug/l	2.12					565.2					508					475.97					473.3				

Notes:
Results compared to Discharge Limit (Daily Maximum)
CAS - Chemical Abstract Service
ug/l - Microgram per liter
Q - Qualifier
MDL - Method detection limit
RL - Reporting Limit
DF - Dilution factor

Qualifiers:
D - Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported the two analyses.
J – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample

Exceedance Summary:
10 - Result exceeds Discharge Limit (Daily Maximum)
10 - MDL or RL greater than the applicable standard

Table 2
Weekly Mid-Carbon Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
2/01/2022

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	CBT					CBT					CBT					CBT					CBT				
			Sample Name	CBT_113021					CBT_120721					CBT_121421					CBT_122021					CBT_122821				
			Sample Date	11/30/2021					12/7/2021					12/14/2021					12/20/2021					12/28/2021				
			Unit	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF
Volatile Organic Compounds																												
Benzene	71-43-2	10	ug/l	3.3	U	3.3	8	8	3.3	U	3.3	8	8	3.3	U	3.3	8	8	3.3	U	3.3	8	8	3.3	U	3.3	8	8
Carbon Disulfide	75-15-0	Monitor	ug/l	1.6	J	1.5	8	8	1.5	U	1.5	8	8	1.5	U	1.5	8	8	1.5	U	1.5	8	8	2.5	J	1.5	8	8
Carbon Tetrachloride	56-23-5	10	ug/l	**64**		2.2	8	8	**110**		2.2	8	8	**140**		2.2	8	8	**68**		2.2	8	8	**50**		2.2	8	8
Chlorobenzene	108-90-7	10	ug/l	6	U	6	8	8	6	U	6	8	8	6	U	6	8	8	6	U	6	8	8	6	U	6	8	8
Chloroform	67-66-3	10	ug/l	**240**		2.7	8	8	**400**		2.7	8	8	**500**		2.7	8	8	**610**		2.7	8	8	**500**		2.7	8	8
Methylene Chloride	75-09-2	10	ug/l	**23**		3.5	8	8	**26**		3.5	8	8	**28**		3.5	8	8	**37**		3.5	8	8	**20**		3.5	8	8
Tetrachloroethene (PCE)	127-18-4	10	ug/l	2.9	U	2.9	8	8	2.9	U	2.9	8	8	2.9	U	2.9	8	8	2.9	U	2.9	8	8	2.9	U	2.9	8	8
Toluene	108-88-3	10	ug/l	4.1	U	4.1	8	8	4.1	U	4.1	8	8	4.1	U	4.1	8	8	4.1	U	4.1	8	8	4.1	U	4.1	8	8
Trichloroethene (TCE)	79-01-6	10	ug/l	3.7	U	3.7	8	8	3.7	U	3.7	8	8	3.7	U	3.7	8	8	3.7	U	3.7	8	8	3.7	U	3.7	8	8
Total Concentration	--	--	ug/l	328.6					536					668					715					572.5				

Notes:
Results compared to Discharge Limit (Daily Maximum)
CAS - Chemical Abstract Service
ug/l - Microgram per liter
Q - Qualifier
MDL - Method detection limit
RL - Reporting Limit
DF - Dilution factor

Qualifiers:
D - Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported the two analyses.
J – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample

Exceedance Summary:
10 - Result exceeds Discharge Limit (Daily Maximum)
10 - MDL or RL greater than the applicable standard

Table 3
Monthly Influent Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
2/01/2022

Analyte	CAS Number	NYSDEC TOGs	Location	INF					INF					INF					INF					INF					INF				
			Sample Name	INF_101121					INF_101821					INF_110121					INF_113021					INF_121421					INF_122821				
			Sample Date	10/11/2021					10/18/2021					11/1/2021					11/30/2021					12/14/2021					12/28/2021				
			Unit	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF
Volatile Organic Compounds																																
Benzene	71-43-2	1	ug/l	33	U	*33*	*80*	80	33	U	*33*	*80*	80	33	U	*33*	*80*	80	41	U	*41*	*100*	100	41	U	*41*	*100*	100	41	U	*41*	*100*	100
Carbon Disulfide	75-15-0	60	ug/l	**280**		15	*80*	80	**620**		15	*80*	80	**1200**		15	*80*	80	**650**		19	*100*	100	**580**		19	*100*	100	**440**		19	*100*	100
Carbon Tetrachloride	56-23-5	5	ug/l	**2400**		*22*	*80*	80	**2500**		*22*	*80*	80	**15000**	D	*140*	*500*	500	**5400**		*27*	*100*	100	**4700**		*27*	*100*	100	**3500**		*27*	*100*	100
Chlorobenzene	108-90-7	5	ug/l	60	U	*60*	*80*	80	60	U	*60*	*80*	80	60	U	*60*	*80*	80	75	U	*75*	*100*	100	75	U	*75*	*100*	100	75	U	*75*	*100*	100
Chloroform	67-66-3	7	ug/l	**1200**		*27*	*80*	80	**1100**		*27*	*80*	80	**6600**		*27*	*80*	80	**1900**		*34*	*100*	100	**1800**		*34*	*100*	100	**1400**		*34*	*100*	100
Methylene Chloride	75-09-2	5	ug/l	**80**		*35*	*80*	80	35	U	*35*	*80*	80	**57**	J	*35*	*80*	80	**79**	J	*44*	*100*	100	**51**	J	*44*	*100*	100	44	U	*44*	*100*	100
Tetrachloroethene (PCE)	127-18-4	5	ug/l	**74**	J	*29*	*80*	80	**67**	J	*29*	*80*	80	**410**		*29*	*80*	80	**120**		*36*	*100*	100	**110**		*36*	*100*	100	**91**	J	*36*	*100*	100
Toluene	108-88-3	5	ug/l	41	U	*41*	*80*	80	41	U	*41*	*80*	80	41	U	*41*	*80*	80	51	U	*51*	*100*	100	51	U	*51*	*100*	100	51	U	*51*	*100*	100
Trichloroethene (TCE)	79-01-6	5	ug/l	**85**		*37*	*80*	80	**62**	J	*37*	*80*	80	**160**		*37*	*80*	80	**81**	J	*46*	*100*	100	**98**	J	*46*	*100*	100	**78**	J	*46*	*100*	100
Total Concentration	--	NS	ug/l	4119					4349					23427					8230					7339					5509				

Notes:
CAS - Chemical Abstract Service
NS - No standard
ug/l - Microgram per liter
Q - Qualifier
MDL - Method detection limit
RL - Reporting Limit
DF - Dilution factor

Qualifiers:
D - Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported the two analyses.
J – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:
10 - Result exceeds Discharge Limit (Daily Maximum)
10 - MDL or RL greater than the applicable standard

Table 4
Monthly Effluent Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
2/01/2022

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	EFF					EFF					EFF					EFF					EFF					EFF				
			Sample Name	EFF_101121					EFF_101821					EFF_110121					EFF_113021					EFF_121421					EFF_122821				
			Sample Date	10/11/2021					10/18/2021					11/1/2021					11/30/2021					12/14/2021					12/28/2021				
			Unit	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF
Volatile Organic Compounds																																
Benzene	71-43-2	10	ug/l	0.82	U	0.82	2	2	0.41	U	0.41	1	1	0.82	U	0.82	2	2	0.41	U	0.41	1	1	0.41	U	0.41	1	1	0.41	U	0.41	1	1
Carbon Disulfide	75-15-0	Monitor	ug/l	0.58	J	0.38	2	2	0.19	U	0.19	1	1	0.38	U	0.38	2	2	0.19	U	0.19	1	1	0.19	U	0.19	1	1	0.19	U	0.19	1	1
Carbon Tetrachloride	56-23-5	10	ug/l	**110**		0.54	2	2	**120**	D	0.54	2	2	3.4		0.54	2	2	0.27	U	0.27	1	1	0.27	U	0.27	1	1	0.27	U	0.27	1	1
Chlorobenzene	108-90-7	10	ug/l	1.5	U	1.5	2	2	0.75	U	0.75	1	1	1.5	U	1.5	2	2	0.75	U	0.75	1	1	0.75	U	0.75	1	1	0.75	U	0.75	1	1
Chloroform	67-66-3	10	ug/l	**64**		0.68	2	2	**78**		0.34	1	1	**58**		0.68	2	2	0.34	U	0.34	1	1	0.34	U	0.34	1	1	0.34	U	0.34	1	1
Methylene Chloride	75-09-2	10	ug/l	9		0.88	2	2	**12**		0.44	1	1	8.7		0.88	2	2	0.44	U	0.44	1	1	0.44	U	0.44	1	1	0.44	U	0.44	1	1
Tetrachloroethene (PCE)	127-18-4	10	ug/l	1.5	J	0.72	2	2	0.63	J	0.36	1	1	0.72	U	0.72	2	2	0.36	U	0.36	1	1	0.36	U	0.36	1	1	0.36	U	0.36	1	1
Toluene	108-88-3	10	ug/l	1	U	1	2	2	0.51	U	0.51	1	1	1	U	1	2	2	0.51	U	0.51	1	1	0.51	U	0.51	1	1	0.51	U	0.51	1	1
Trichloroethene (TCE)	79-01-6	10	ug/l	1.2	J	0.92	2	2	0.69	J	0.46	1	1	0.92	U	0.92	2	2	0.46	U	0.46	1	1	0.46	U	0.46	1	1	0.46	U	0.46	1	1
Total Concentration	--	--	ug/l	186.28					211.32					70.1					ND					ND					ND				

Notes:
Results compared to Discharge Limit (Daily Maximum)
CAS - Chemical Abstract Service
ug/l - Microgram per liter
ND - Not detected
Q - Qualifier
MDL - Method detection limit
RL - Reporting Limit
DF - Dilution factor

Qualifiers:
D - Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported the two analyses.
J – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:
10 - Result exceeds Discharge Limit (Daily Maximum)
10 - MDL or RL greater than the applicable standard

Table 5
Quarterly Effluent (SPDES) Sampling Results
Former Stauffer Management Company, LLC
Lewiston, New York
Langan Project No.: 130117301
2/01/2022

Analyte	CAS Number	Discharge Limit (Daily Maximum)	Location	EFF					Discharge Rate
			Sample Name	EFF_121421					
			Sample Date	12/14/2021					
			Unit	Result	Q	MDL	RL	DF	lbs/day
Semi-Volatile Organic Compounds									
2,4-Dichlorophenol	120-83-2	10	ug/l	0.51	U	0.51	5	1	-
Hexachloroethane	67-72-1	10	ug/l	0.59	U	0.59	5	1	-
Naphthalene	91-20-3	10	ug/l	0.76	U	0.76	5	1	-
Metals									
Arsenic	7440-38-2	0.036*	ug/l	5.6	U	5.6	15	1	0.0012
Chromium, Total	7440-47-3	0.072*	ug/l	1	J	1	4	1	0.0002
Copper	7440-50-8	0.1*	ug/l	1.6	U	1.6	10	1	0.0003
Lead	7439-92-1	0.16*	ug/l	3	U	3	10	1	0.0006
Nickel	7440-02-0	0.072*	ug/l	1.3	U	1.3	10	1	0.0003
Selenium	7782-49-2	0.48*	ug/l	8.7	U	8.7	25	1	0.0018
Zinc	7440-66-6	0.86*	ug/l	4	JB	1.5	10	1	0.0008
General Chemistry									
Phenolics, Total Recoverable	TOTPHEN	10	ug/l	3.5	U	3.5	10	1	-

Notes:
* - Limit is in pounds per day (lbs/day)
Results compared to Discharge Limit (Daily Maximum)
CAS - Chemical Abstract Service
ug/l - Microgram per liter
Q - Qualifier
MDL - Method detection limit
RL - Reporting Limit
DF - Dilution factor

Qualifiers:
B - Indicates the analyte is detected in the assiciated blank as well and the sample.
J – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:
10 - Result exceeds Discharge Limit (Daily Maximum)
10 - MDL or RL greater than the applicable standard