May 5, 2021 Project #18687

Mr. Thomas Wentland and Mr. Lee Delcore
Wisconsin Department of Natural Resources
1155 Pilgrim Rd, PO Box 408
Plymouth, WI 53073-0408

RE: **Summary Report of Additional Site Investigation**
Former Moss-American Facility, 8716 N. Granville Rd., Milwaukee, WI
FID # 241378280

Dear Mr. Wentland and Mr. Delcore:

The Sigma Group, Inc. (Sigma) has prepared this report to document additional environmental investigation activities completed in the area of monitoring wells MW-33S, PZ-02, and PZ-03 at the Former Moss-American Facility (hereinafter the "site", refer to **Figure 1**). The activities were performed to further evaluate the relatively high groundwater contamination identified in the vicinity of these wells during the post-remediation quarterly groundwater monitoring. The additional investigation activities were completed as described in the Scope of Work for Additional Site Investigation submitted to the Wisconsin Department of Natural Resources (WDNR) on December 21, 2020.

The additional site investigation was warranted based on the results of the post-remediation groundwater monitoring conducted beginning in October 2019. Review of the quarterly groundwater monitoring data indicate that the contaminant concentrations within most of the monitoring wells are less than the limits of detection or at relatively low levels (less than the NR 140 Enforcement Standards [ESs] or Preventive Action Limits [PALs]). However, concentrations of naphthalene (a fingerprint constituent of creosote historically used at the site) were detected within samples from three monitoring wells (MW-33S, PZ-02, and PZ-03) at relatively high concentrations. For example, concentrations of naphthalene within monitoring well PZ-03 have been found to exceed the NR 140 ES by a factor of 40 on several occasions. Concentrations of naphthalene within monitoring wells MW-33S and PZ-02 have also increased on several occasions and exceeded both the NR 140 PAL and ES by a factor of 2. The relatively high concentration of naphthalene in groundwater is an indication of the presence of creosote mass (free phase product) in the vicinity of these wells. In order to evaluate if free phase product is still present in the vicinity of these wells additional investigation activities were performed in March 2021.

INVESTIGATION ACTIVITIES

Site investigation activities included the advancement of 26 soil borings, laboratory analysis of 39 soil samples, the installation of ten monitoring wells, development of the monitoring wells, and the collection of one round of groundwater samples from the monitoring wells for laboratory analysis of benzene, toluene, ethylbenzene, xylenes

(BTEX), and polycyclic aromatic hydrocarbons (PAHs). Investigation methods are described in the following sections.

Soil Boring Installation – On March 1 – 3, 2021, a total of 26 direct push soil borings were advanced with an ATV-mounted hydraulic Geoprobe® rig in the vicinity of monitoring wells MW-33S, PZ-02, and PZ-03, as shown on **Figure 2**. Each soil boring was completed to a depth of approximately 15 feet below ground surface (bgs) where a relatively tight clay layer was encountered. At each location the soil borings were sampled continuously, screened in the field for volatile vapors and visually inspected for oily sheen or free phase product. The soil borings were located as follows:

- PZ-03: A total of 16 direct push soil borings were advanced. Initially 10 soil borings were planned, but due to the presence of free product encountered in the vicinity of monitoring well PZ-03, six additional soil borings were completed in an attempt to define the extent of the free product area.

- PZ-02 and MW-33S: A total of 10 soil borings were installed in the vicinity of the monitoring wells PZ-02 and MW-33S. The soil borings were positioned to define the degree and extent of contamination. Based on field screening and visual inspection no free product was observed in the soil borings.

Sample Collection – Soil samples were collected with a hydraulically driven 2.5-inch diameter by 5-foot long Macrocore® sampler and described on the basis of color, texture, grain size, plasticity, presence of free product or oily sheen, and logged in general accordance with the Unified Soil Classification System (USCS). Samples were screened in the field with a calibrated photoionization detector (PID) to measure for the presence of volatile organic vapors. Soil classifications, descriptions, specific sampling intervals, and PID readings are presented on the soil boring logs (WNDR Form 4400-122) included in **Attachment 1**.

A total of 39 soil samples (24 samples from soil borings located around PZ-03 and 15 samples from soil borings located around MW-33S and PZ-02) were containerized and submitted for laboratory analysis of BTEX and PAHs, along with four duplicate soil samples. Soil samples were placed in laboratory-supplied containers (BTEX samples were preserved with methanol; PAH samples do not require field preservation) and transported in coolers with ice to the project laboratory with a completed chain of custody document. For QA/QC purposes, one methanol blank was transported with the cooler of soil samples and analyzed for BTEX to determine if VOC contaminants infiltrated the samples during transportation.

Following advancement of the soil borings, and completion of sampling, the soil borings not selected for installation of monitoring wells were abandoned with bentonite. The soil boring abandonment forms are included in **Attachment 1**.

Monitoring Well Installation – Five NR 141-compliant monitoring wells PZ-03A, PZ-03B, PZ-03C, PZ-03D, and PZ-03E were installed in the vicinity of monitoring well PZ-03 and one monitoring well MW-33SA was installed close to monitoring well MW-33S. The locations of the new monitoring wells were positioned based on the presence of free product encountered in the soil borings, other indications of contamination such as odor, PID screening data, and to complete the lateral delineation within the investigation area. Following completion of the Geoprobe soil borings, hollow stem augers (4 ¼ -inch inside diameter with 8 ¼ -inch outside diameter) were used to over drill the Geoprobe soil borings to a depth of approximately 15 feet bgs. Each monitoring well was constructed with a 10-foot length of two-inch diameter PVC screen (0.010-inch machine slotted) connected to an appropriate length of two-inch diameter PVC riser pipe. Each monitoring well was protected with a stickup steel protective casing. The monitoring well construction details are documented on WDNR form 4400-113A and included in **Attachment 2**.

Small Diameter Well Installation – Four small diameter groundwater monitoring wells (MW-33SB, MW-33SC, PZ-02A, and PZ-02B) were installed in the vicinity of monitoring wells MW-33S and PZ-02 on March 3, 2021. The small diameter wells consisted of 1-inch diameter prepack monitoring wells that were installed directly in the Geoprobe soil borings and set at a depth of approximately 15 feet bgs. The four small diameter monitoring wells were constructed with a 10-foot length of prepack well screen (0.010-inch machine slotted) connected to an appropriate length of 1-inch diameter PVC riser pipe. Each monitoring well was protected with a stickup metal protective casing. The monitoring well construction details are documented on WDNR form 4400-113A and included in **Attachment 2**.

Monitoring Well Development – The monitoring wells were developed on March 8 - 10, 2021 in accordance with NR 141 regulations to remove fine sediment from the bottom of the well casing and establish a hydraulic connection with the saturated soils surrounding the well screen. The well development activities are documented on the WDNR form presented in **Attachment 2**.

Groundwater Sampling – The ten new groundwater monitoring wells were sampled on March 11, 2021 for the field parameters including water level, dissolved oxygen, oxidation-reduction potential, pH, temperature, turbidity, specific conductance, and ferrous iron using a Solinst Water Level Meter, a YSI Professional Plus Multiparameter meter, a Hach ferrous iron test kit, and a Hach 2100Q portable turbidimeter. The groundwater monitoring wells were then purged using disposable bailers (2-inch diameter wells) or a peristaltic pump (1-inch diameter wells). Following the existing project protocols recommended in the October 2019 Quarterly Monitoring Report, each groundwater monitoring well was sampled approximately 24 hours after purging in order to minimize the possibility of drawing fine sediments into the samples. Samples were collected with disposable bailers at each well and the samples were submitted for laboratory analysis of BTEX (EPA Method 8021), and PAHs (EPA Method 8270). Quality control and quality assurance samples included one duplicate sample collected at monitoring well PZ-03D, one trip blank, and one equipment blank.

Survey – The soil boring and monitoring well locations and elevations were surveyed on March 2 and 3, 2021 with a Trimble® R8 GPS unit. Elevation data was referenced to a local USGS datum in feet above MSL.

Investigative Waste Disposal – Six drums of soil investigative waste and 21 drums of groundwater investigative waste generated during the investigation activities were staged on site and picked up by Veolia, Inc. under the existing project contract on April 13, 2021 for disposal as hazardous waste. Investigative waste manifests are included in **Attachment 3**. Please note that four additional drums of groundwater are listed on the manifests; groundwater in these drums was generated during the quarterly groundwater monitoring.

INVESTIGATION RESULTS

The following discussions of geology, hydrogeology, soil quality, and groundwater quality are based on the results of the additional investigation.

Geology – The soil conditions encountered during the investigation were consistent with historically reported soil conditions. Generally, the site surface consists of a layer of topsoil and / or gravelly clay ranging to depths of approximately 2 to 7 feet bgs. The remainder of the investigated depth ranged widely from black silty clay to well graded sand. Traces of free phase product were observed in soil borings installed in the vicinity of monitoring well PZ-03 and at depths ranging from 7.5 to 13 feet bgs in the soil borings GP-104, GP-106, GP-107, GP-111, GP-113, and GP-114/PZ-03E. Photographs of soil samples including select soil samples depicting the visual appearance of the free product are included in **Attachment 4**.

Hydrogeology – Static water level elevations measured on March 11, 2021 ranged from 718.26 to 718.45 feet MSL in the vicinity of monitoring well PZ-03, and from 716.29 to 718.09 feet MSL in the vicinity of monitoring wells MW-33S and PZ-02. The depth to groundwater ranged from 0.4 to 0.8 feet bgs in the vicinity of monitoring well PZ-03, and from 1.2 to 2.3 feet bgs in the vicinity of monitoring wells MW-33S and PZ-02. Water level elevations are summarized in **Table 1**.

Groundwater *In Situ* Measurements – Groundwater *in situ* measurements are summarized in **Table 2**.

Soil Quality Results – A total of 39 soil samples were submitted for laboratory analysis of BTEX and PAHs. Results are summarized in **Table 3**, and the soil analytical report is included in **Attachment 5**. Results are compared to NR 720 Residual Contaminant Levels (RCLs) for the groundwater pathway, non-industrial direct contact, and industrial direct contact.

Vicinity of Monitoring Well PZ-03

The results for the vicinity of monitoring well PZ-03 are summarized in **Figure 3**.

- BTEX: No BTEX compounds were detected in 18 of the 24 soil samples collected from PZ-03 area soil borings. The remaining soil samples contained relatively low-

level concentrations of toluene, ethylbenzene, and xylenes at or below the non-industrial Direct Contact RCLs.

- PAHs: No PAH compounds were detected in 8 of the 24 soil samples collected from 16 soil borings completed in the vicinity of PZ-03. Several PAH compounds were detected at moderate to high concentrations within the remaining 16 soil samples collected from the PZ-03 area. Of the detected PAH compounds, naphthalene was present within each of the 16 samples with the detected concentrations ranging from less than 1 mg/kg to over 1,200 mg/kg. A positive correlation between the presence of free product observed during field screening and high naphthalene concentration in soil samples (8 to 12 ft-bgs) is also evident.

Vicinity of Monitoring Wells MW-33S and PZ-02

- BTEX: All BTEX concentrations were reported less than the LOD within samples collected from soil boring GP-112 and GP-115 through GP-123.

- PAHs: Of the 15 samples analyzed for PAHs only three compounds were detected at a relatively low concentration (less than 1 mg/kg).
    - Benzo(a)pyrene and chrysene were reported within the sample collected from soil boring GP-116 (2 to 4 feet bgs) greater than the non-industrial direct contact RCL and the groundwater pathway RCL, respectively.
    - Naphthalene was reported at concentrations greater than the groundwater pathway RCL within the soil samples collected from soil borings GP-112, GP-115, GP-120, and GP-122, all from the depth interval 8 to 10 feet bgs. No free phase product was observed in these samples during field screening.

Groundwater Quality Results – One round of groundwater samples was collected from the ten new groundwater monitoring wells and submitted for laboratory analysis of BTEX and PAHs. Results are summarized in **Table 4** and in **Figure 4**, and the groundwater laboratory analytical report is included in **Attachment 6**. The analytical results for BTEX were compared to Enforcement Standards (ESs) and Preventive Action Limits (PALs) in both NR 140 and the EPA Record of Decision (ROD) for the site. The analytical results for PAHs were compared to NR 140 ESs and PALs.

Vicinity of Monitoring Well PZ-03

- BTEX: Benzene was detected at concentrations greater than its EPA ROD ES within monitoring wells PZ-03B and PZ-03E, and less than its NR 140 ES. Benzene was detected at a concentration greater than its EPA ROD PAL within monitoring well PZ-03D and less than its NR 140 PAL. Benzene was not detected within monitoring wells PZ-03A and PZ-03C. Ethylbenzene, toluene, and xylenes were detected but at concentrations less than their respective ROD and NR 140 PALs.

- PAHs: Several PAH compounds were detected within each of the groundwater samples collected from the newly installed wells within the PZ-03 area at concentrations greater than the respective ESs and PALs. Of the detected PAH

compounds naphthalene was reported within each groundwater sample except one. The detected concentrations range between 113 µg/L and 4,100 µg/L.

Vicinity of Monitoring Wells MW-33S and PZ-02

- BTEX: Benzene and toluene were not detected within monitoring wells MW-33SA, MW-33SB, MW-33SC, PZ-02A, or PZ-02B. Ethylbenzene was detected within monitoring well MW-33SB. Xylenes were detected within monitoring wells MW-33SA and MW-33SB. Where detected, the reported BTEX concentrations were less than their respective ROD and NR 140 PALs.

- PAHs:
    - Benzo(a)pyrene, benzo(b)fluoranthene, and chrysene were estimated at concentrations between their respective LODs and LOQs, and greater than their respective NR 140 ESs within monitoring well PZ-02B.
    - Benzo(b)fluoranthene and chrysene were estimated at concentrations between their respective LODs and LOQs, and greater than their respective NR 140 PALs within monitoring well MW-33SC.
    - Naphthalene was reported at concentrations greater than its NR 140 ES within monitoring well MW-33SB, and at concentrations greater than its NR 140 PAL within monitoring wells MW-33SA, PZ-02A, and PZ-02B. The reported concentrations of naphthalene ranged from 14.6 to 270 µg/L.
    - The remaining PAH analytes were either not detected or reported at concentrations less than their respective NR 140 PALs.

SUMMARY

A total of 26 soil borings were advanced, 39 soil samples were submitted for laboratory analysis of BTEX and PAHs, ten monitoring wells were installed, and ten groundwater samples were submitted for laboratory analysis of BTEX and PAHs.

Results of the investigation in the vicinity of monitoring wells MW-33S and PZ-02 indicate groundwater contamination is limited in extent and that no free product was observed. Naphthalene contamination in soil is limited to four locations at concentrations slightly higher than the NR 720 groundwater pathway RCL, and naphthalene contamination in groundwater was identified at concentrations greater than the NR 140 PAL and ES.

In contrast, results of the investigation in the vicinity of monitoring well PZ-03 indicate high concentrations of naphthalene in both soil and groundwater samples, and free phase product was observed at several boring locations. Elevated naphthalene impacts were identified in the approximate depth interval of 7.5 to 13 feet bgs and the data correlates well with the presence of free product observed in the field.

A review of the groundwater quality data collected at monitoring well PZ-03 since 2013 (see time-series plot included as **Attachment 7)** confirms the presence of relatively high concentrations of naphthalene in the subsurface. Although the latest quarterly data indicates a drop in naphthalene concentration from 4,000 µg/L to less than 100 µg/L, the

results may not be a true representation of the subsurface condition within monitoring well PZ-03. It is important to note that the free phase creosote product is heavier than water and accumulates at the bottom of the well. It is likely that groundwater samples typically collected from the mid-screen depth (typical procedure for groundwater monitoring) may not have captured the product, if present in the well. Future monitoring efforts will include collection of groundwater samples from the bottom of the well to ensure representative sampling.

RECOMMENDATIONS

The degree and extent of naphthalene impacts in the vicinity of monitoring well PZ-03 is well defined in all directions except to the east-southeast and north, as presented in **Figure 4**. Additional soil boring and monitoring well installation is required to define the extent of naphthalene groundwater impacts and free product. Due to the high concentrations of naphthalene identified in the vicinity of monitoring well PZ-03, remedial action would be required to meet the conditions of the EPA ROD, and the additional investigation will facilitate the development of appropriate remedial action options.

Sigma recommends the installation of eight soil borings, three of which will be completed as monitoring wells, and collection of soil and groundwater samples to define the degree and extent of naphthalene contamination and extent of free phase product. The locations of the proposed soil borings and monitoring wells are depicted in **Figure 5**.

A scope of work and estimated cost to implement the recommended activities is being provided in a separate proposal letter. Please review the investigation report and let us know if you have any questions or would like to discuss the recommendations.

Sincerely,

THE SIGMA GROUP, INC.

Steven Kikkert, P.E.
Staff Engineer

Andrea Lorenz, P.E., P.G.
Project Engineer

Mafizul Islam, P.E.
Senior Project Manager

Attachments:

Table 1 – Water Level Elevations
Table 2 – Groundwater In Situ Measurements
Table 3 – Soil Analytical Results
Table 4 – Groundwater Analytical Results

Figure 1 – Monitoring Well Location Map
Figure 2 – Sample Location Map
Figure 3 – Soil Quality Map – PZ-03 Area
Figure 4 – Groundwater Quality Map
Figure 5 – Proposed Soil Boring/Monitoring Well Map

Attachment 1 – Soil Boring Logs and Abandonment Forms
Attachment 2 – Groundwater Monitoring Well Construction and Development Forms
Attachment 3 – Investigative Waste Manifests
Attachment 4 – Photographs
Attachment 5 – Soil Laboratory Analytical Report
Attachment 6 – Groundwater Analytical Report
Attachment 7 – Time-Series Plot of Naphthalene in PZ-03

Table 1
Water Level Elevations - PZ-03 Area Investigation
Moss American - 8716 N. Granville Road, Milwaukee, Wisconsin
Sigma Project No. 18687

PZ-03A

Ground Elev.: 718.7 (feet MSL) Screen Interval: 5.4 to 15.4 (feet bgs)
TOC Elev.: 721.07 (feet MSL) 713.3 to 703.3 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/9/21	2.65	17.74	15.09	---	718.42	0.3	
3/11/21	2.81	17.74	14.93	0.16	718.26	0.4	Good recovery, no odor

PZ-03B

Ground Elev.: 719.2 (feet MSL) Screen Interval: 5.3 to 15.3 (feet bgs)
TOC Elev.: 721.73 (feet MSL) 713.9 to 703.9 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/9/21	3.22	17.84	14.62	---	718.51	0.7	
3/11/21	3.41	17.84	14.43	0.19	718.32	0.9	Good recovery, no odor

PZ-03C

Ground Elev.: 719.2 (feet MSL) Screen Interval: 4.9 to 14.9 (feet bgs)
TOC Elev.: 721.60 (feet MSL) 714.3 to 704.3 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/8/21	3.05	17.26	14.21	---	718.55	0.7	
3/11/21	3.18	17.26	14.08	0.13	718.42	0.8	Good recovery, no odor

PZ-03D

Ground Elev.: 719.0 (feet MSL) Screen Interval: 5.1 to 15.2 (feet bgs)
TOC Elev.: 721.19 (feet MSL) 713.8 to 703.8 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/8/21	2.58	17.38	14.80	---	718.61	0.3	
3/11/21	2.74	17.38	14.64	0.16	718.45	0.5	Good recovery, petroleum odor

PZ-03E

Ground Elev.: 719.0 (feet MSL) Screen Interval: 4.8 to 14.8 (feet bgs)
TOC Elev.: 721.19 (feet MSL) 714.2 to 704.2 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/9/21	2.62	16.95	14.33	---	718.57	0.5	
3/11/21	2.81	16.95	14.14	0.19	718.38	0.6	Good recovery, petroleum odor

MW-33SA

Ground Elev.: 718.8 (feet MSL) Screen Interval: 5.3 to 15.3 (feet bgs)
TOC Elev.: 720.96 (feet MSL) 713.5 to 703.5 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/8/21	4.08	17.44	13.36	---	716.88	2.0	
3/11/21	3.98	17.44	13.46	-0.10	716.98	1.9	Good recovery, no odor

MW-33SB

Ground Elev.: 719.3 (feet MSL) Screen Interval: 3.6 to 13.6 (feet bgs)
TOC Elev.: 721.69 (feet MSL) 715.7 to 705.7 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/10/21	3.45	16.00	12.55	---	718.24	1.0	
3/11/21	3.60	16.00	12.40	0.15	718.09	1.2	Good recovery, no odor

MW-33SC

Ground Elev.: 718.9 (feet MSL) Screen Interval: 3.7 to 13.7 (feet bgs)
TOC Elev.: 722.34 (feet MSL) 715.2 to 705.2 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/10/21	3.92	17.13	13.21	---	718.42	0.5	
3/11/21	4.80	17.13	12.33	0.88	717.54	1.4	Good recovery, no odor

PZ-02A

Ground Elev.: 718.6 (feet MSL) Screen Interval: 3.7 to 13.7 (feet bgs)
TOC Elev.: 721.13 (feet MSL) 714.9 to 704.9 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/9/21	5.06	16.23	11.17	---	716.07	2.5	
3/11/21	4.84	16.23	11.39	-0.22	716.29	2.3	Good recovery, no odor

PZ-02B

Ground Elev.: 718.3 (feet MSL) Screen Interval: 4.2 to 14.2 (feet bgs)
TOC Elev.: 720.80 (feet MSL) 714.1 to 704.1 (feet MSL)

Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column Difference (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/10/21	4.69	16.68	11.99	---	716.11	2.2	
3/11/21	4.46	16.68	12.22	-0.23	716.34	1.9	Good recovery, no odor

Notes:
1. All montioring wells surveyed by The Sigma Group, Inc. on March 2 & 3, 2021 with Trimble GPS receiver.
2. feet MSL = feet above Mean Sea Level
3. feet bgs = feet below ground surface
4. feet TOC = feet below top of casing

Data entered / updated by: SVK Date: 3/17/2021
Data checked by: ASL Date: 4/15/2021

Table 2
Groundwater *In Situ* Measurements
Moss American - 8716 N. Granville Road, Milwaukee, Wisconsin
Sigma Project No. 18687

Well Identification	Date	In Situ Measurements						
		Temperature (°C)	Dissolved Oxygen (mg/L)	Specific Conductance (mmhos/cm)	pH (S.U.)	Redox Potential (mV)	Turbidity (NTU)	Ferrous Iron (mg/L)
PZ-03A	3/11/21	7.0	1.68	1.052	6.92	157.7	too turbid for meter	0.0
PZ-03B	3/11/21	7.1	1.38	1.079	6.93	173.8	too turbid for meter	0.8
PZ-03C	3/11/21	8.3	0.98	1.160	6.93	157.5	too turbid for meter	0.8
PZ-03D	3/11/21	9.0	1.22	1.080	6.87	139.2	too turbid for meter	1.2
PZ-03E	3/11/21	7.3	1.33	0.967	7.03	137.7	too turbid for meter	0.0
MW-33SA	3/11/21	8.7	1.88	0.958	6.82	175.2	478	1.0
MW-33SB	3/11/21	8.6	1.21	1.150	7.02	169.8	347	2.0
MW-33SC	3/11/21	8.3	1.33	1.087	7.07	134.8	too turbid for meter	0.0
PZ-02A	3/11/21	8.4	0.70	1.098	6.96	121.7	181	1.2
PZ-02B	3/11/21	8.7	0.73	1.031	7.03	135.6	too turbid for meter	0.0

Notes:
1. ° C = degrees Celcius
2. mg/L = milligrams per liter (equivalent to parts per million, ppm)
3. mV = millivolts
4. NA = not analyzed

SVK Date: 3/17/2021
ASL Date: 4/22/2021

Table 3
Soil Analytical Results - PZ-03 Area Investigation
Moss American - 8716 N. Granville Road, Milwaukee, Wisconsin
Sigma Project No. 18687

		PZ-03 AREA																						
Soil Sample Location:		GP-100		GP-101			GP-103		GP-104			GP-105		GP-106		GP-107		GP-108	GP-109	GP-110	GP-111			Groundwater Pathway RCL [4]	Non-Industrial Direct Contact RCL [5]	Industrial Direct Contact RCL [6]
Monitoring Well (if applicable):		--		--			--		--			--		--		--		PZ-03C	PZ-03A	--	--					
Sample Collection Date:		3/1/21		3/1/21			3/1/21		3/1/21			3/1/21		3/1/21		3/1/21		3/1/21	3/2/21	3/2/21	3/2/21					
Sample Depth (feet bgs):		8-10	10-12	6-8	8-10	DUP 1	8-10	10-12	10-12	12-14	DUP 2	6-8	8-10	8-10	10-12	8-10	10-12	8-10	8-10	8-10	8-10	DUP 3	10-12			
Depth to Groundwater (feet bgs):		0.50		0.50			0.50		0.50			0.5		0.5		0.5		0.5	0.5	0.5	0.5					
Free Product :		--	--	--	--		--	--	--	FP		--	--	FP	FP	FP	FP	--	--	--	FP		FP			
Unsat (U) or Saturated (S):		S	S	S	S		S	S	S	S		S	S	S	S	S	S	S	S	S	S		S			
Photoionization Detector	ppm	0.6	0.9	1.8	4.3		0.4	1.3	4.9	47.0		0.6	0.5	41.6	16.4	40.5	29.0	2.6	0.1	0.1	59.4		43.7	NS	NS	NS
VOCs																										
Benzene	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<1.25	<0.5	<0.025	<0.025	<1.25	<0.025	<0.5	<0.025	<0.025	<0.025	<0.025	<1.25	<1.25	<0.5	0.0051	1.6	7.07
Ethylbenzene	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.38 J	<0.5	<0.025	<0.025	**2.26 J**	0.103	**1.57**	0.309	<0.025	<0.025	<0.025	**8.0**	**6.9**	1.06 J	1.57	8.02	35.4
Toluene	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<1.25	<0.5	<0.025	<0.025	<1.25	<0.025	<0.5	0.040 J	<0.025	<0.025	<0.025	**1.68 J**	**2.33 J**	<0.5	1.1072	818	818
Xylenes (total)	mg/kg	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	2.21 J	0.52 J	<0.075	<0.075	1.53 J	0.195 J	3.21 J	0.588	<0.075	<0.075	<0.075	**13.8**	**10.4 J**	1.80 J	3.96	260	260
PAHs																										
Acenaphthene	mg/kg	0.59	0.69	0.54	0.45	NA	0.36	0.84	0.94	100	NA	<0.0132	0.154	330	14.0	380	28.8	0.88	0.263	<0.0132	880	NA	181	NS	3,590	45,200
Acenaphthylene	mg/kg	<0.0092	0.0151 J	<0.0092	<0.0092	NA	<0.0092	<0.0092	0.0156 J	1.59 J	NA	<0.0092	<0.0092	4.40 J	0.185 J	4.50 J	0.37 J	0.0131 J	<0.0092	<0.0092	8.90 J	NA	1.97 J	NS	NS	NS
Anthracene	mg/kg	0.059	0.106	0.079	0.116	NA	0.0108 J	0.033	0.251	32.0	NA	<0.0073	<0.0073	90.0	4.30	140	8.00	0.34	<0.0073	<0.0073	**217**	NA	49.0	196.9492	17,900	100,000
Benzo(a)anthracene	mg/kg	0.098	0.315	<0.0158	<0.0158	NA	<0.0158	0.0252 J	0.141	[18.7]	NA	<0.0158	<0.0158	{[54.0]}	[2.29]	{[58.0]}	[4.20]	0.16	<0.0158	<0.0158	{[116]}	NA	{[23.7]}	NS	1.14	20.8
Benzo(a)pyrene	mg/kg	0.0303 J	0.111	<0.0142	<0.0142	NA	<0.0142	<0.0142	0.043 J	{[5.40]}	NA	<0.0142	<0.0142	{[14.7]}	[0.60]	{[16.0]}	[1.12]	0.047 J	<0.0142	<0.0142	{[32.0]}	NA	{[6.60]}	0.47	0.115	2.11
Benzo(b)fluoranthene	mg/kg	0.043	0.162	<0.0099	<0.0099	NA	<0.0099	0.0122 J	0.066	[8.40]	NA	<0.0099	<0.0099	{[21.8]}	**0.93**	{[24.7]}	[1.57]	0.072	<0.0099	<0.0099	{[50.0]}	NA	[9.40]	0.4781	1.15	21.1
Benzo(ghi)perylene	mg/kg	<0.0118	0.037 J	<0.0118	<0.0118	NA	<0.0118	<0.0118	0.012 J	1.38 J	NA	<0.0118	<0.0118	3.30 J	0.146 J	3.60 J	0.244 J	0.0133 J	<0.0118	<0.0118	6.70 J	NA	1.42 J	NS	NS	NS
Benzo(k)fluoranthene	mg/kg	0.0216 J	0.056	<0.0091	<0.0091	NA	<0.0091	<0.0091	0.0219 J	3.15	NA	<0.0091	<0.0091	9.80	0.37	[11.5]	0.91	0.032 J	<0.0091	<0.0091	[17.8]	NA	4.70	NS	11.5	211
Chrysene	mg/kg	0.075	**0.235**	<0.0124	<0.0124	NA	<0.0124	0.0175 J	**0.121**	**16.5**	NA	<0.0124	<0.0124	**46.0**	**1.96**	**51.0**	**3.70**	**0.129**	<0.0124	<0.0124	**103**	NA	**22.2**	0.1442	115	2,110
Dibenzo(a,h)anthracene	mg/kg	<0.0142	<0.0142	<0.0142	<0.0142	NA	<0.0142	<0.0142	<0.0142	<0.71	NA	<0.0142	<0.0142	<2.84	<0.142	<2.84	<0.284	<0.0142	<0.0142	<0.0142	<7.10	NA	<1.42	NS	0.115	2.11
Fluoranthene	mg/kg	0.42	1.66	0.0294 J	0.11	NA	0.0313 J	0.12	0.75	**117**	NA	<0.0091	0.094	**350**	14.6	**380**	27.3	0.96	0.0239 J	<0.0091	**760**	NA	**158**	88.8778	2,390	30,100
Fluorene	mg/kg	0.307	0.143	0.56	0.62	NA	0.228	0.45	1.10	**87.0**	NA	<0.0094	0.086	**272**	12.3	**308**	**23.8**	0.72	0.083	<0.0094	**650**	NA	**137**	14.8299	2,390	30,100
Indeno(1,2,3-cd)pyrene	mg/kg	<0.0126	0.042 J	<0.0126	<0.0126	NA	<0.0126	<0.0126	0.0131 J	[1.63 J]	NA	<0.0126	<0.0126	[3.60 J]	0.157 J	[3.90 J]	0.269 J	0.0137 J	<0.0126	<0.0126	[7.90 J]	NA	[1.76 J]	NS	1.15	21.1
Naphthalene	mg/kg	0.52	0.45	0.58	**0.73**	NA	0.191	0.33	**1.05**	{[186]}	NA	<0.0096	0.0302 J	{[610]}	{[25.1]}	{[620]}	{[65.0]}	0.218	0.0297 J	0.046	{[1230]}	NA	{[276]}	0.6582	5.52	24.1
Phenanthrene	mg/kg	0.185	0.0251 J	0.72	0.93	NA	<0.0077	0.0129 J	1.84	234	NA	0.0152 J	0.0082 J	700	30.3	770	56.0	2.01	0.0103 J	0.0093 J	1520	NA	320	NS	NS	NS
Pyrene	mg/kg	0.288	1.17	0.0214 J	0.053	NA	0.0222 J	0.082	0.49	**80.0**	NA	<0.0091	0.065	**235**	10.0	**258**	18.7	0.67	0.0123 J	<0.0091	**520**	NA	**108**	54.5455	1,790	22,600

Notes:

1. Unsaturated/smear zone versus saturated soil conditions based on soil moisture conditions recorded on soil boring logs during drilling.
2. Analytical units: mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. NA = not analyzed NS = no standard established
4. Groundwater Pathway RCL = Residual Contaminant Level for protection of groundwater (dilution factor of 2) as presented on the WDNR's RCL Spreadsheet (dated December 2018) referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
5. Non-Industrial Direct Contact RCL = Residual Contaminant Level for protection of direct contact at a non-industrial property as presented on the WDNR's RCL Spreadsheet (dated December 2018) with default input parameters as referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
6. Industrial Direct Contact RCL = Residual Contaminant Level for protection of direct contact at an industrial property as presented on the WDNR's RCL Spreadsheet (dated December 2018) with default input parameters as referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. Methanol blank results: 03/01/2021: All VOCs reported below laboratory detection limits.
9. Exceedances: **BOLD** = Concentration exceeds Groundwater Pathway RCL
   [ ] = Concentration exceeds Non-Industrial Direct Contact RCL (any depth)
   { } = Concentration exceeds Industrial Direct Contact RCL (any depth)
10. "FP" indicated if free product was visually identified within soil samples

Data entered / updated by: SVK Date: 3/17/2021
Data checked by: ESP Date: 3/18/2021

Table 3
Soil Analytical Results - PZ-03 Area Investigation
Moss American - 8716 N. Granville Road, Milwaukee, Wisconsin
Sigma Project No. 18687

		PZ-03 AREA							PZ-02 AREA						MW-33S AREA									
Soil Sample Location:		GP-113		GP-114		GP-124		GP-125	GP-118	GP-119		GP-120	GP-121		GP-112	GP-115	GP-116		GP-117	GP-122		GP-123	Groundwater Pathway RCL [4]	Non-Industrial Direct Contact RCL [5]	Industrial Direct Contact RCL [6]
Monitoring Well (if applicable):		--		PZ-03E		PZ-03B		PZ-03D	--	PZ-02A		--	PZ-02B		--	--	--		MW-33SA	MW-33SB		MW-33SC			
Sample Collection Date:		3/2/21		3/2/21		3/3/21		3/3/21	3/3/21	3/3/21		3/3/21	3/3/21		3/2/21	3/2/21	3/2/21		3/2/21	3/3/21		3/3/21			
Sample Depth (feet bgs):		6-8	8-10	8-10	10-12	10-12	DUP 4	8-10	8-10	6-8	8-10	8-10	6-8	8-10	8-10	8-10	2-4	8-10	8-10	8-10	10-12	6-8			
Depth to Groundwater (feet bgs):		0.5		0.5		0.5		0.5	2.2	2.2		2.2	2.2		1.3	1.3	1.3		1.3	1.3		1.3			
Free Product :		--	FP	--	FP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Unsat (U) or Saturated (S):		S	S	S	S	S		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S			
Photoionization Detector	ppm	54.3	30.8	46.7	34.5	2.4		13.4	0.8	0.5	0.6	0.7	1.1	0.6	0.8	1.1	4.2	0.8	0.7	1.5	1.1	0.8	NS	NS	NS
VOCs																									
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0051	1.6	7.07
Ethylbenzene	mg/kg	1.36	**2.8**	1.39	0.047 J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.57	8.02	35.4
Toluene	mg/kg	<0.5	0.54 J	<0.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.1072	818	818
Xylenes (total)	mg/kg	1.98 J	3.84 J	2.09 J	0.035 J	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	3.96	260	260
PAHs																									
Acenaphthene	mg/kg	197	10.3	224	41.0	0.64	NA	9.80	2.34	0.83	0.38	3.70	0.90	1.43	2.07	2.18	0.0209 J	<0.0132	2.00	1.76	1.86	<0.0132	NS	3,590	45,200
Acenaphthylene	mg/kg	1.94 J	0.123 J	2.36 J	0.44 J	<0.0092	NA	0.127 J	0.0212 J	<0.0092	<0.0092	0.0309 J	0.0233 J	0.0113 J	0.0241 J	0.0242 J	0.092	<0.0092	0.0192 J	0.0167 J	0.018 J	<0.0092	NS	NS	NS
Anthracene	mg/kg	117	2.69	65.0	12.5	0.0252 J	NA	3.20	0.0103 J	0.0108 J	<0.0073	<0.0073	0.05	0.0202 J	0.39	0.62	0.135	<0.0073	0.27	0.64	0.33	0.011 J	196.9492	17,900	100,000
Benzo(a)anthracene	mg/kg	{[26.2]}	[1.36]	{[29.8]}	[5.50]	0.048 J	NA	[1.57]	<0.0158	<0.0158	<0.0158	<0.0158	0.0243 J	0.016 J	<0.0158	<0.0158	0.134	<0.0158	<0.0158	<0.0158	<0.0158	<0.0158	NS	1.14	20.8
Benzo(a)pyrene	mg/kg	{[**7.40**]}	[0.35 J]	{[**8.40**]}	[**1.59**]	0.0168 J	NA	[0.41]	<0.0142	<0.0142	<0.0142	<0.0142	0.0212 J	<0.0142	<0.0142	<0.0142	[0.2]	<0.0142	<0.0142	<0.0142	<0.0142	<0.0142	0.47	0.115	2.11
Benzo(b)fluoranthene	mg/kg	[**11.3**]	**0.56**	[**13.0**]	[**2.40**]	0.0263 J	NA	**0.62**	<0.0099	<0.0099	<0.0099	<0.0099	0.042	<0.0099	<0.0099	<0.0099	0.302	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	0.4781	1.15	21.1
Benzo(ghi)perylene	mg/kg	1.54 J	<0.118	1.81 J	0.33 J	<0.0118	NA	0.094 J	<0.0118	<0.0118	<0.0118	<0.0118	0.0277 J	<0.0118	<0.0118	<0.0118	0.133	<0.0118	<0.0118	<0.0118	<0.0118	<0.0118	NS	NS	NS
Benzo(k)fluoranthene	mg/kg	4.50	0.252 J	5.40	1.11	0.0123 J	NA	0.259	<0.0091	<0.0091	<0.0091	<0.0091	0.0215 J	<0.0091	<0.0091	<0.0091	0.093	<0.0091	<0.0091	<0.0091	<0.0091	<0.0091	NS	11.5	211
Chrysene	mg/kg	**25.4**	**1.21**	**28.1**	**5.30**	0.039 J	NA	**1.40**	<0.0124	<0.0124	<0.0124	<0.0124	0.0296 J	<0.0124	<0.0124	<0.0124	**0.167**	<0.0124	<0.0124	<0.0124	<0.0124	<0.0124	0.1442	115	2,110
Dibenzo(a,h)anthracene	mg/kg	<1.42	<0.142	<1.42	<0.284	<0.0142	NA	<0.071	<0.0142	<0.0142	<0.0142	<0.0142	<0.0142	<0.0142	<0.0142	<0.0142	0.0303 J	<0.0142	<0.0142	<0.0142	<0.0142	<0.0142	NS	0.115	2.11
Fluoranthene	mg/kg	**177**	8.90	**201**	38.0	0.258	NA	10.6	<0.0091	0.0248 J	<0.0091	<0.0091	0.07	0.061	0.104	0.45	0.139	0.018 J	0.064	0.91	0.47	0.0104 J	88.8778	2,390	30,100
Fluorene	mg/kg	**163**	7.70	**172**	**32.0**	0.154	NA	8.10	1.51	0.298	0.113	0.38	0.32	0.33	1.87	2.03	0.04	0.0101 J	1.68	1.74	1.44	<0.0094	14.8299	2,390	30,100
Indeno(1,2,3-cd)pyrene	mg/kg	[1.78 J]	<0.126	[2.03 J]	0.38 J	<0.0126	NA	0.108 J	<0.0126	<0.0126	<0.0126	<0.0126	0.0258 J	<0.0126	<0.0126	<0.0126	0.154	<0.0126	<0.0126	<0.0126	<0.0126	<0.0126	NS	1.15	21.1
Naphthalene	mg/kg	{[**192**]}	{[**28.7**]}	{[**330**]}	{[**58.0**]}	0.26	NA	[**11.0**]	0.212	0.0264 J	0.075	**0.72**	0.067	0.137	**1.18**	**0.76**	0.042	<0.0096	0.206	**0.67**	0.44	<0.0096	0.6582	5.52	24.1
Phenanthrene	mg/kg	370	18.2	410	78.0	0.0154 J	NA	21.6	0.0247 J	0.048	0.0126 J	0.0122 J	0.063	0.106	3.40	4.10	0.105	0.03 J	0.95	4.20	2.25	0.0121 J	NS	NS	NS
Pyrene	mg/kg	**120**	6.10	**137**	25.8	0.175	NA	7.20	<0.0091	0.0186 J	<0.0091	<0.0091	0.058	0.042	0.044	0.181	0.137	0.0131 J	0.0208 J	0.48	0.252	0.0104 J	54.5455	1,790	22,600

Notes:

1. Unsaturated/smear zone versus saturated soil conditions based on soil moisture conditions recorded on soil boring logs during drilling.
2. Analytical units: mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. NA = not analyzed NS = no standard established
4. Groundwater Pathway RCL = Residual Contaminant Level for protection of groundwater (dilution factor of 2) as presented on the WDNR's RCL Spreadsheet (dated December 2018) referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
5. Non-Industrial Direct Contact RCL = Residual Contaminant Level for protection of direct contact at a non-industrial property as presented on the WDNR's RCL Spreadsheet (dated December 2018) with default input parameters as referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
6. Industrial Direct Contact RCL = Residual Contaminant Level for protection of direct contact at an industrial property as presented on the WDNR's RCL Spreadsheet (dated December 2018) with default input parameters as referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. Methanol blank results: 03/01/2021: All VOCs reported below laboratory detection limits.
9. Exceedances: **BOLD** = Concentration exceeds Groundwater Pathway RCL
   [ ] = Concentration exceeds Non-Industrial Direct Contact RCL (any depth)
   { } = Concentration exceeds Industrial Direct Contact RCL (any depth)
10. "FP" indicated if free product was visually identified within soil samples

Data entered / updated by: SVK Date: 3/17/2021
Data checked by: ESP Date: 3/18/2021

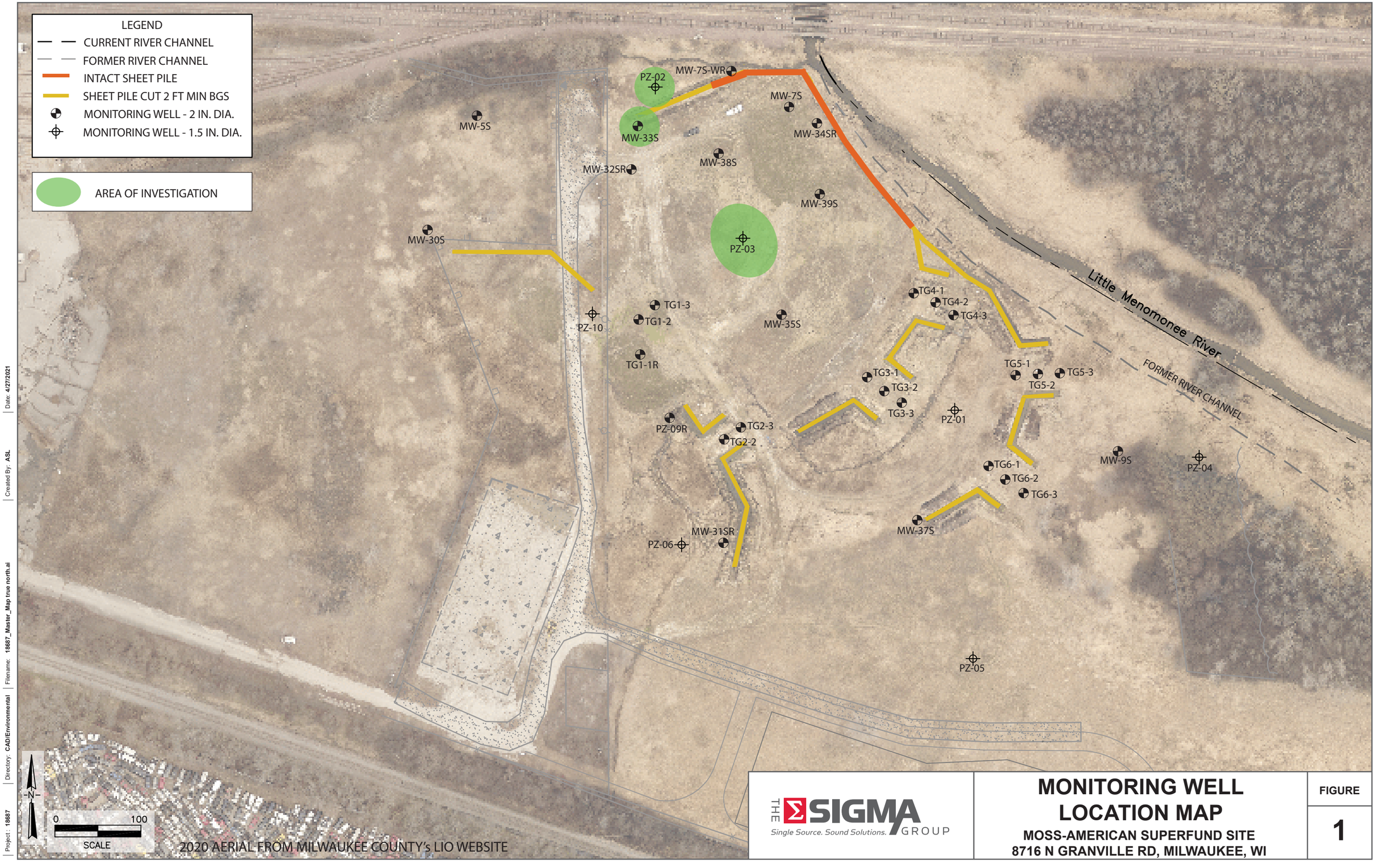
Table 4
Groundwater Analytical Results - PZ-03 Area Investigation
Moss American - 8716 N. Granville Road, Milwaukee, Wisconsin
Sigma Project No. 18687

Well Location:		PZ-03A	PZ-03B	PZ-03C	PZ-03D		PZ-03E	MW-33SA	MW-33SB	MW-33SC	PZ-02A	PZ-02B	EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL
Date:		3/12/21	3/12/21	3/12/21	3/12/21		3/12/21	3/12/21	3/12/21	3/12/21	3/12/21	3/12/21				
Water Elevation* (feet MSL):		718.26 *	718.32 *	718.42 *	718.45 *	DUP	718.38 *	716.98 *	718.09 *	717.54 *	716.29 *	716.34 *				
BTEX																
Benzene	µg/L	<0.37	**0.95 J**	<0.37	***0.43 J***	***0.55 J***	**1.68**	<0.37	<0.37	<0.37	<0.37	<0.37	0.67	0.067	5	0.5
Ethylbenzene	µg/L	<0.41	7.4	0.76 J	2.18	2.14	60	<0.41	1.17 J	<0.41	<0.41	<0.41	1360.0	272.0	700	140
Xylenes, Total	µg/L	<1.49	19.1	2.87 J	5.91	5.61	85.8	1.68 J	4.80	<1.49	<1.49	<1.49	620.0	124.0	2,000	400
Toluene	µg/L	0.58 J	0.54 J	1.08 J	0.98 J	0.53 J	5.1	<0.5	<0.5	<0.5	<0.5	<0.5	343.0	68.6	800	160
PAHs																
Acenaphthene	µg/L	15.8	147	205	269	293	680	86	133	1.58	89.0	59.0	NS	NS	NS	NS
Acenaphthylene	µg/L	0.11	0.92 J	1.19 J	3.30 J	4.50 J	<7.80	0.72 J	1.22 J	0.036 J	0.87 J	0.57	NS	NS	NS	NS
Anthracene	µg/L	0.85	3.04	20.9	20.3	34	82.0	1.88	9.80	0.254	0.51 J	1.12	NS	NS	3,000	600
Benzo(a)anthracene	µg/L	0.245	<1.00	1.49 J	<4.00	7.90 J	27.7 J	<0.40	<1.00	0.038 J	<0.40	0.32 J	NS	NS	NS	NS
Benzo(a)pyrene	µg/L	***0.082 J***	<0.835	<0.835	<3.34	**4.00 J**	<8.35	<0.334	<0.835	0.0179 J	<0.334	**0.236 J**	NS	NS	0.2	0.02
Benzo(b)fluoranthene	µg/L	***0.134***	<0.80	<0.80	<3.20	**6.90 J**	**10.9 J**	<0.32	<0.80	***0.0301 J***	<0.32	**0.42 J**	NS	NS	0.2	0.02
Benzo(ghi)perylene	µg/L	0.037 J	<0.71	<0.71	<2.84	4.60 J	<7.10	<0.284	<0.71	0.0249 J	<0.284	0.31 J	NS	NS	NS	NS
Benzo(k)fluoranthene	µg/L	0.047 J	<0.73	<0.73	<2.92	6.80 J	<7.30	<0.292	<0.73	<0.0146	<0.292	0.49	NS	NS	NS	NS
Chrysene	µg/L	**0.219**	<0.785	**1.18 J**	<3.14	**10.1**	**25.1**	<0.314	<0.785	***0.032 J***	<0.314	**0.40 J**	NS	NS	0.2	0.02
Dibenzo(a,h)anthracene	µg/L	<0.0346	<0.865	<0.865	<3.46	<3.46	<8.65	<0.346	<0.865	<0.0173	<0.346	0.248 J	NS	NS	NS	NS
Fluoranthene	µg/L	2.03	6.90	20.5	21.6	49.0	***188***	0.43 J	4.90	0.32	0.73	1.01	NS	NS	400	80
Fluorene	µg/L	4.90	28.9	***121***	***136***	***160***	***320***	39.0	77.0	0.75	20.5	12.5	NS	NS	400	80
Indeno(1,2,3-cd)pyrene	µg/L	0.034 J	<0.605	<0.605	<2.42	5.00 J	<6.05	<0.242	<0.605	0.0193 J	<0.242	0.36 J	NS	NS	NS	NS
Naphthalene	µg/L	0.90	**113**	**121**	**1090**	**1190**	**4100**	***26.2***	**270**	3.20	***17.8***	***14.6***	NS	NS	100	10
Phenanthrene	µg/L	1.98	5.60	157	158	218	560	7.70	72.0	0.98	1.97	5.10	NS	NS	NS	NS
Pyrene	µg/L	1.33	4.00	12.4	12.5	32.0	128	0.268 J	2.26	0.221	0.51 J	0.73	NS	NS	250	50

Notes:

1. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
2. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
3. NS = no standard NA = Not Analyzed
4. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
5. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation.
6. Trip blank results: 03/12/2021: All VOCs reported below laboratory detection limits.
7. Equipment blank results: 03/12/2021: All VOCs reported below laboratory detection limits.
8. Exceedances **BOLD** = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL
9. Special notes: * = monitoring well screen submerged below water table

Data entered / updated by: SVK Date: 3/17/2021
Data checked by: ASL Date: 4/15/2021



Date: 4/27/2021 | Created By: ASL | Filename: 18687_Master_Map true north.ai | Directory: CAD/Environmental | Project: 18687

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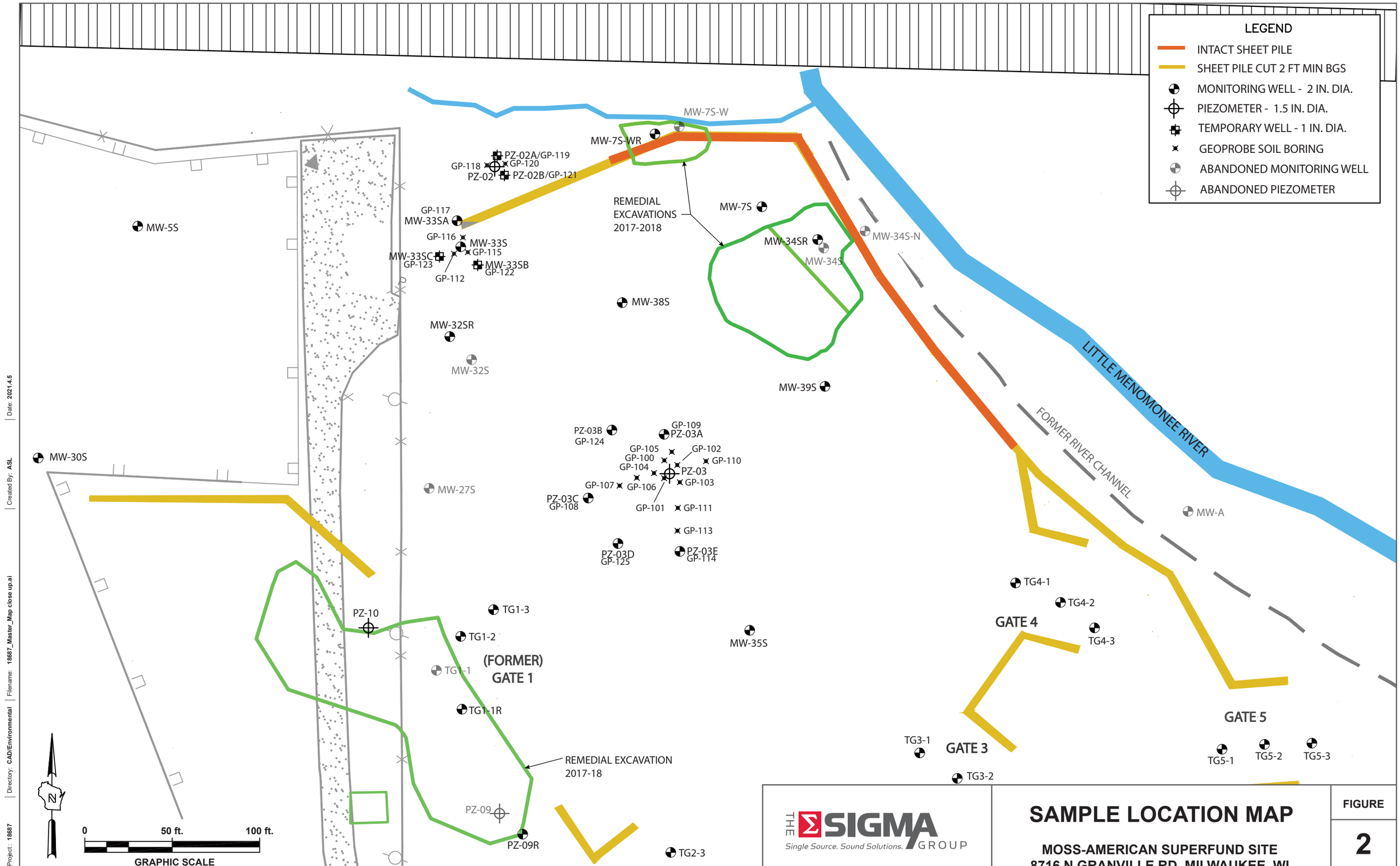
MONITORING WELL LOCATION MAP

MOSS-AMERICAN SUPERFUND SITE
8716 N GRANVILLE RD, MILWAUKEE, WI

FIGURE
1



Project: 18687 | Directory: CAD/Environmental | Filename: 18687_Master_Map close up.ai | Created By: ASL | Date: 2021.4.5

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SAMPLE LOCATION MAP

MOSS-AMERICAN SUPERFUND SITE
8716 N GRANVILLE RD, MILWAUKEE, WI

FIGURE
2

LEGEND

- MONITORING WELL - 2 IN. DIA.
- PIEZOMETER - 1.5 IN. DIA.
- GEOPROBE SOIL BORING
- CONCENTRATION OF PAHs GREATER THAN NR 720 INDUSTRIAL DIRECT CONTACT RCLs IN SOIL

KEY

CONCENTRATIONS in mg/kg (MILLIGRAMS PER KILOGRAM)

J = ANALYTE DETECTED BETWEEN LOD AND LOQ

BOLD = CONCENTRATION EXCEEDS GW PATHWAY RCL

[ ] = CONCENTRATION EXCEEDS NON-INDUSTRIAL DIRECT CONTACT RCL

{ } = CONCENTRATION EXCEEDS INDUSTRIAL DIRECT CONTACT RCL

MW-32S

MW-27S (ABANDONED)

MW-39S

MW-35S

TG1-3

GP-124 PZ-03b

GP-109 PZ-03a

GP-108 PZ-03c

GP-125 PZ-03d

GP-114 PZ-03e

PZ-03

GP-100

GP-101

GP-102

GP-103

GP-104

GP-105

GP-106

GP-107

GP-110

GP-111

GP-113

FENCE

GP-100	3/1/21	
	8-10	10-12
VOCs		
B	<0.025	<0.025
E	<0.025	<0.025
T	<0.025	<0.025
X	<0.075	<0.075
PAHs		
Anth	0.059	0.106
B(a)a	0.098	0.315
B(a)p	0.0303 J	0.111
B(b)f	0.043	0.162
B(k)f	0.0216 J	0.056
Chrys	0.075	**0.235**
Fluoran.	0.42	1.66
Fluor.	0.307	0.143
Indeno	<0.0126	0.042 J
Nap	0.52	0.45
Pyr.	0.288	1.17

GP-124	3/3/21	
	10-12	
VOCs		
B	<0.025	
E	<0.025	
T	<0.025	
X	<0.075	
PAHs		
Anth	0.0252 J	
B(a)a	0.048 J	
B(a)p	0.0168 J	
B(b)f	0.0263 J	
B(k)f	0.0123 J	
Chrys	0.039 J	
Fluoran.	0.258	
Fluor.	0.154	
Indeno	<0.0126	
Nap	0.26	
Pyr.	0.175	

GP-109	3/2/21	
	8-10	
VOCs		
B	<0.025	
E	<0.025	
T	<0.025	
X	<0.075	
PAHs		
Anth	<0.0073	
B(a)a	<0.0158	
B(a)p	<0.0142	
B(b)f	<0.0099	
B(k)f	<0.0091	
Chrys	<0.0124	
Fluoran.	0.0239 J	
Fluor.	0.083	
Indeno	<0.0126	
Nap	0.0297 J	
Pyr.	0.0123 J	

GP-105	3/1/21	
	6-8	8-10
VOCs		
B	<0.025	<0.025
E	<0.025	<0.025
T	<0.025	<0.025
X	<0.075	<0.075
PAHs		
Anth	<0.0073	<0.0073
B(a)a	<0.0158	<0.0158
B(a)p	<0.0142	<0.0142
B(b)f	<0.0099	<0.0099
B(k)f	<0.0091	<0.0091
Chrys	<0.0124	<0.0124
Fluoran.	<0.0091	0.094
Fluor.	<0.0094	0.086
Indeno	<0.0126	<0.0126
Nap	<0.0096	0.0302 J
Pyr.	<0.0091	0.065

GP-110	3/2/21
	8-10
VOCs	
B	<0.025
E	<0.025
T	<0.025
X	<0.075
PAHs	
Anth	<0.0073
B(a)a	<0.0158
B(a)p	<0.0142
B(b)f	<0.0099
B(k)f	<0.0091
Chrys	<0.0124
Fluoran.	<0.0091
Fluor.	<0.0094
Indeno	<0.0126
Nap	0.046
Pyr.	<0.0091

GP-104	3/1/21	
	10-12	12-14
VOCs		
B	<0.025	<1.25
E	<0.025	1.38 J
T	<0.025	<1.25
X	<0.075	2.21 J
PAHs		
Anth	0.251	32.0
B(a)a	0.141	[18.7]
B(a)p	0.043 J	{[**5.40**]}
B(b)f	0.066	[**8.40**]
B(k)f	0.0219 J	3.15
Chrys	**0.121**	**16.5**
Fluoran.	0.75	**117**
Fluor.	1.10	**87.0**
Indeno	0.0131 J	[1.63 J]
Nap	**1.05**	{[**186**]}
Pyr.	0.49	**80.0**

GP-106	3/1/21	
	8-10	10-12
VOCs		
B	<1.25	<0.025
E	**2.26 J**	0.103
T	<1.25	<0.025
X	1.53 J	0.195 J
PAHs		
Anth	90.0	4.30
B(a)a	{[54.0]}	[2.29]
B(a)p	{[**14.7**]}	[**0.60**]
B(b)f	{[**21.8**]}	**0.93**
B(k)f	9.80	0.37
Chrys	**46.0**	**1.96**
Fluoran.	**350**	14.6
Fluor.	**272**	12.3
Indeno	[3.60 J]	0.157 J
Nap	{[**610**]}	{[**25.1**]}
Pyr.	**235**	10.0

GP-108	3/1/21
	8-10
VOCs	
B	<0.025
E	<0.025
T	<0.025
X	<0.075
PAHs	
Anth	0.34
B(a)a	0.16
B(a)p	0.047 J
B(b)f	0.072
B(k)f	0.032 J
Chrys	**0.129**
Fluoran.	0.96
Fluor.	0.72
Indeno	0.0137 J
Nap	0.218
Pyr.	0.67

GP-107	3/1/21	
	8-10	10-12
VOCs		
B	<0.5	<0.025
E	**1.57**	0.309
T	<0.5	0.040 J
X	3.21 J	0.588
PAHs		
Anth	140	8.00
B(a)a	{[58.0]}	[4.20]
B(a)p	{[**16.0**]}	[**1.12**]
B(b)f	{[**24.7**]}	[**1.57**]
B(k)f	[11.5]	0.91
Chrys	**51.0**	**3.70**
Fluoran.	**380**	27.3
Fluor.	**308**	**23.8**
Indeno	[3.90 J]	0.269 J
Nap	{[**620**]}	{[**65.0**]}
Pyr.	**258**	18.7

GP-101	3/1/21	
	6-8	8-10
VOCs		
B	<0.025	<0.025
E	<0.025	<0.025
T	<0.025	<0.025
X	<0.075	<0.075
PAHs		
Anth	0.079	0.116
B(a)a	<0.0158	<0.0158
B(a)p	<0.0142	<0.0142
B(b)f	<0.0099	<0.0099
B(k)f	<0.0091	<0.0091
Chrys	<0.0124	<0.0124
Fluoran.	0.0294 J	0.11
Fluor.	0.56	0.62
Indeno	<0.0126	<0.0126
Nap	0.58	**0.73**
Pyr.	0.0214 J	0.053

GP-125	3/3/21
	8-10
VOCs	
B	<0.025
E	<0.025
T	<0.025
X	<0.075
PAHs	
Anth	3.20
B(a)a	[1.57]
B(a)p	[0.41]
B(b)f	**0.62**
B(k)f	0.259
Chrys	**1.40**
Fluoran.	10.6
Fluor.	8.10
Indeno	0.108 J
Nap	[**11.0**]
Pyr.	7.20

GP-114	3/2/21	
	8-10	10-12
VOCs		
B	<0.5	<0.025
E	1.39	0.047 J
T	<0.5	<0.025
X	2.09 J	0.035 J
PAHs		
Anth	65.0	12.5
B(a)a	{[29.8]}	[5.50]
B(a)p	{[**8.40**]}	[**1.59**]
B(b)f	[**13.0**]	[**2.40**]
B(k)f	5.40	1.11
Chrys	**28.1**	**5.30**
Fluoran.	**201**	38.0
Fluor.	**172**	**32.0**
Indeno	[2.03 J]	0.38 J
Nap	{[**330**]}	{[**58.0**]}
Pyr.	**137**	25.8

GP-103	3/1/21	
	8-10	10-12
VOCs		
B	<0.025	<0.025
E	<0.025	<0.025
T	<0.025	<0.025
X	<0.075	<0.075
PAHs		
Anth	0.0108 J	0.033
B(a)a	<0.0158	0.0252 J
B(a)p	<0.0142	<0.0142
B(b)f	<0.0099	0.0122 J
B(k)f	<0.0091	<0.0091
Chrys	<0.0124	0.0175 J
Fluoran.	0.0313 J	0.12
Fluor.	0.228	0.45
Indeno	<0.0126	<0.0126
Nap	0.191	0.33
Pyr.	0.0222 J	0.082

GP-111	3/2/21	
	8-10	10-12
VOCs		
B	<1.25	<0.5
E	**8.0**	1.06 J
T	**1.68 J**	<0.5
X	**13.8**	1.80 J
PAHs		
Anth	**217**	49.0
B(a)a	{[116]}	{[23.7]}
B(a)p	{[**32.0**]}	{[**6.60**]}
B(b)f	{[**50.0**]}	[**9.40**]
B(k)f	[17.8]	4.70
Chrys	**103**	**22.2**
Fluoran.	**760**	**158**
Fluor.	**650**	**137**
Indeno	[7.90 J]	[1.76 J]
Nap	{[**1230**]}	{[**276**]}
Pyr.	**520**	**108**

GP-113	3/2/21	
	6-8	8-10
VOCs		
B	<0.5	<0.5
E	1.36	**2.8**
T	<0.5	0.54 J
X	1.98 J	3.84 J
PAHs		
Anth	117	2.69
B(a)a	{[26.2]}	[1.36]
B(a)p	{[**7.40**]}	[0.35 J]
B(b)f	[**11.3**]	**0.56**
B(k)f	4.50	0.252 J
Chrys	**25.4**	**1.21**
Fluoran.	**177**	8.90
Fluor.	**163**	7.70
Indeno	[1.78 J]	<0.126
Nap	{[**192**]}	{[**28.7**]}
Pyr.	**120**	6.10

0 20 ft. 40 ft.

GRAPHIC SCALE

N

Project: 18687 | Directory: CAD/Environmental | Filename: 18687_PZ-03 Close up.ai | Created By: ASL | Date: 2021.5.4

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SOIL QUALITY MAP
PZ-03 AREA

MOSS-AMERICAN SUPERFUND SITE
8716 N GRANVILLE RD, MILWAUKEE, WI

FIGURE
3

PZ-02								
	4/4/13	10/4/19	1/7/20	3/31/20	7/8/20	10/9/20	1/8/21	4/2/21
Benzene	<0.27	<0.22	<0.22	<0.33	<0.33	<0.33	<0.33	<0.38
B(a)p	<0.36	<0.334	<0.334	<0.835	<0.167	**0.37 J**	<0.835	<0.334
B(b)f	<0.4	<0.32	<0.32	<0.8	<0.16	**0.69 J**	<0.8	<0.32
Chrysene	<0.36	<0.314	<0.314	<0.785	<0.157	**0.63 J**	<0.785	<0.314
Fluoran.	<0.52	<0.176	<0.176	<0.44	<0.088	1.62	<0.44	<0.176
Fluorene	3.6	29.8	43.0	51	14.8	48	59	48
Nap	1.79	*19.4*	*30.1*	*25.2*	0.84 J	*20.5*	*19.2*	9.7

PZ-02A	
	3/12/21
Benzene	<0.37
B(a)p	<0.334
B(b)f	<0.32
Chrysene	<0.314
Fluoran.	0.73
Fluorene	20.5
Nap	*17.8*

PZ-02B	
	3/12/21
Benzene	<0.37
B(a)p	**0.236 J**
B(b)f	**0.42 J**
Chrysene	**0.4 J**
Fluoran.	1.01
Fluorene	12.5
Nap	*14.6*

MW-33SA	
	3/12/21
Benzene	<0.37
B(a)p	<0.334
B(b)f	<0.32
Chrysene	<0.314
Fluoran.	0.43 J
Fluorene	39
Nap	*26.2*

MW-33SB	
	3/12/21
Benzene	<0.37
B(a)p	<0.835
B(b)f	<0.8
Chrysene	<0.785
Fluoran.	4.9
Fluorene	77
Nap	**270**

MW-33SC	
	3/12/21
Benzene	<0.37
B(a)p	0.0179 J
B(b)f	***0.0301 J***
Chrysene	***0.032 J***
Fluoran.	0.32
Fluorene	0.75
Nap	3.2

MW-33S									
	9/28/10	4/4/13	10/4/19	12/31/19	3/31/20	7/8/20	10/8/20	1/6/21	4/2/21
Benzene	<0.2	<0.27	<0.22	<0.22	<0.48	<0.33	<0.33	<0.33	0.38
B(a)p	<0.01	<0.018	<0.0167	<0.0167	<0.835	<0.0835	<0.835	<0.0167	<0.0167
B(b)f	<0.0081	<0.02	<0.016	*0.0241 J*	<0.8	<0.08	<0.8	<0.016	*0.0207 J*
Chrysene	<0.061	<0.018	<0.0157	0.0193 J	<0.785	<0.0785	<0.785	<0.0157	<0.0157
Fluoran.	0.028 J	<0.026	<0.0088	0.0173 J	<0.44	<0.044	<0.44	<0.0088	0.0262 J
Fluorene	49	0.251	0.045	0.044	55	1.51	53	0.0203 J	0.44
Nap	*100*	0.201	0.23	0.175	**226**	*17.8*	**199**	0.102	1

PZ-03A	
	3/12/21
Benzene	<0.37
B(a)p	***0.082 J***
B(b)f	***0.134***
Chrysene	**0.219**
Fluoran.	2.03
Fluorene	4.9
Nap	0.9

PZ-03B	
	3/12/21
Benzene	**0.95 J**
B(a)p	<0.835
B(b)f	<0.8
Chrysene	<0.785
Fluoran.	6.9
Fluorene	28.9
Nap	**113**

PZ-03E	
	3/12/21
Benzene	**1.68**
B(a)p	<8.35
B(b)f	**10.9 J**
Chrysene	**25.1**
Fluoran.	***188***
Fluorene	***320***
Nap	**4100**

PZ-03C	
	3/12/21
Benzene	<0.37
B(a)p	<0.835
B(b)f	<0.8
Chrysene	**1.18 J**
Fluoran.	20.5
Fluorene	***121***
Nap	**121**

PZ-03									
	4/4/13	10/9/19	1/8/20	3/31/20	7/14/20	10/9/20	10/29/20 *	1/8/21	4/2/21
Benzene	*0.44 J*	2.02	1.45	2.31	1.33	1.27	NT	<0.33	<0.38
B(a)p	**0.71 J**	<5.01	<10.02	<33.4	<16.7	**0.38 J**	<8.35	<0.835	<0.167
B(b)f	**1.45**	<4.8	<9.6	<32	<16	**1.22**	<8	<0.8	<0.16
Chrysene	**1.47**	<4.71	<9.42	<31.4	<15.7	**0.85 J**	<7.85	<0.785	<0.157
Fluoran.	10.7	<2.64	<5.28	<17.6	<8.8	1.64	<4.4	<0.44	0.43
Fluorene	33	57.0	*110*	*102*	*121*	34	62.0	29.6	18.5
Nap	*47*	**1620**	**4000**	**3600**	**3010**	*4.9*	**1680**	**360**	*13.3*

PZ-03D		
	3/12/21	DUP
Benzene	*0.43 J*	***0.55 J***
B(a)p	<3.34	**4 J**
B(b)f	<3.2	**6.9 J**
Chrysene	<3.14	**10.1**
Fluoran.	21.6	49
Fluorene	***136***	***160***
Nap	**1090**	**1190**

LEGEND

- INTACT SHEET PILE
- SHEET PILE CUT 2 FT MIN BGS
- MONITORING WELL - 2 IN. DIA.
- PIEZOMETER - 1.5 IN. DIA.
- TEMPORARY WELL - 1 IN. DIA.
- GEOPROBE SOIL BORING
- ABANDONED MONITORING WELL
- ABANDONED PIEZOMETER

- CONCENTRATION OF NAPHTHALENE GREATER THAN 1,000 µg/L
- CONCENTRATION OF NAPHTHALENE GREATER THAN NR 140 ES
- CONCENTRATION OF NAPHTHALENE GREATER THAN NR 140 PAL
- EXTENT OF FREE PRODUCT AS NOTED IN SOIL BORINGS ADVANCED IN MARCH 2021

KEY

CONCENTRATIONS in µg/L (micrograms per liter)
J = Analyte detected between LOD and LOQ
NT = Not Tested
BOLD = Concentration exceeds NR 140 ES
ITALICS = Concentration exceeds NR 140 PAL
BOLD = Concentration exceeds EPA ROD ES
ITALICS = Concentration exceeds EPA ROD PAL
B(a)p = Benzo(a)pyrene
B(b)f = Benzo(b)fluoranthene
Fluoran. = Fluoranthene
Nap = Naphthalene

NOTE: CONCENTRATIONS OF NAPHTHALENE AT REMAINING WELLS SAMPLED IN WINTER 2020/2021 WERE REPORTED LESS THAN NR 140 PAL

MW-5S
MW-7S-W
MW-7S-WR
PZ-02A
PZ-02
PZ-02B
MW-33SA
MW-33SC
MW-33S
MW-33SB
REMEDIAL EXCAVATIONS 2017-2018
MW-7S
MW-34SR
MW-34S
MW-34S-N
MW-38S Nap=0.41
MW-32SR Nap=0.06J
MW-32S
MW-39S Nap=ND
LITTLE MENOMONEE RIVER
FORMER RIVER CHANNEL
PZ-03B
PZ-03A
GP-104 FP: 12-13'
GP-106 FP: 9-12.5'
GP-107 FP: 9-10.5'
PZ-03
PZ-03C
GP-111 FP: 7.5-13'
GP-113 FP: 10-13'
PZ-03D
PZ-03E FP: 10-11'
MW-30S
Nap=2
MW-27S
MW-A
TG4-1 Nap=0.052J
TG4-2
TG4-3
GATE 4
GATE 5
TG5-1
TG5-2
TG5-3
TG3-1
GATE 3
TG3-2
PZ-10
TG1-3 Nap=0.065J
TG1-2 Nap=ND
(FORMER) GATE 1
TG1-1
TG1-1R
MW-35S Nap=0.062J
REMEDIAL EXCAVATION 2017-18
PZ-09
PZ-09R
TG2-3

N

0 50 ft. 100 ft.

GRAPHIC SCALE

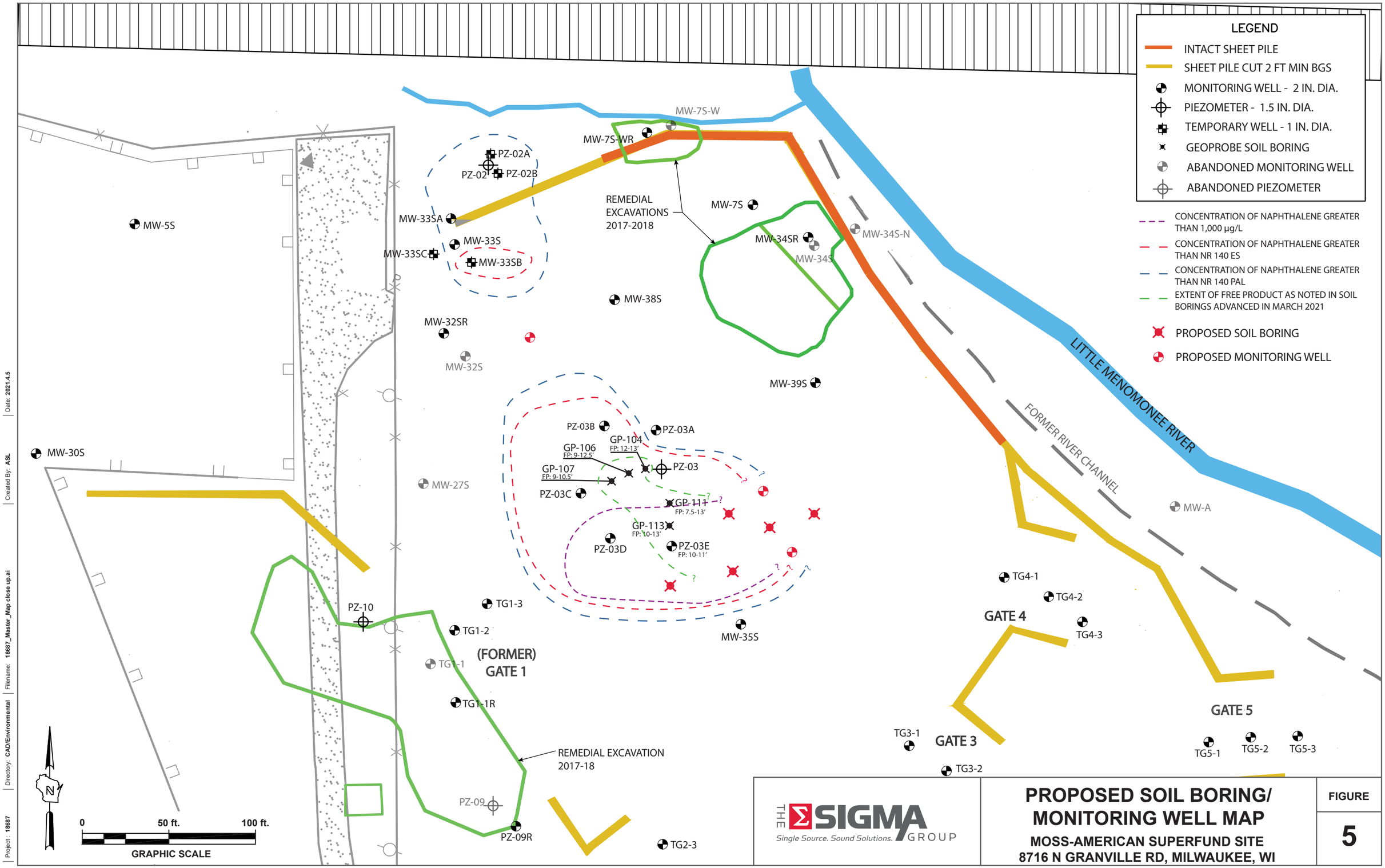
THE SIGMA GROUP
Single Source. Sound Solutions.

GROUNDWATER QUALITY MAP

MOSS-AMERICAN SUPERFUND SITE
8716 N GRANVILLE RD, MILWAUKEE, WI

FIGURE
4

Date: 2021.4.5
Created By: ASL
Filename: 18687_Master_Map close up.ai
Directory: CAD/Environmental
Project: 18687



Project: 18687 | Directory: CAD/Environmental | Filename: 18687_Master_Map close up.ai | Created By: ASL | Date: 2021.4.5

THE SIGMA GROUP
Single Source. Sound Solutions.

PROPOSED SOIL BORING/ MONITORING WELL MAP

MOSS-AMERICAN SUPERFUND SITE
8716 N GRANVILLE RD, MILWAUKEE, WI

FIGURE
5

ATTACHMENT 1

SOIL BORING LOGS AND ABANDONMENT FORMS

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-100

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/1/2021	3/1/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	719.0 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,911 N, 2,492,284 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.9" Long 88° 2' 10.2"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 44	PUSH	1	Brown TOPSOIL with trace gravel and organics, soft, moist.				0.0						
			2	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling, medium stiff, moist.	CLG									
			3					0.0						
			4											
2 GP	60 43	PUSH	5	Brown, gray, red, and black well-graded SAND with trace gravel, loose, wet.				0.0						
			6											
			7					0.0						
			8											
			9	Petroleum odor from 8.5' to 11' bgs.	SW			0.6						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 15	PUSH	10											
			11	No petroleum odor.				0.9						Sample collected from (10-12') for BTEX and PAHs.
			12											
			13	Gray SILTY CLAY, soft, wet.				0.0						
			14		CL-ML			0.0						
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 414-643-4200
Steven Nikolai	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Fax: 414-643-4210

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299. Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-101

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/1/2021	3/1/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	718.9 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,901 N, 2,492,284 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.8" Long 88° 2' 10.2"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 43	PUSH	1	Brown TOPSOIL with trace gravel and organics, soft, moist.				0.0						
			2	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling, medium stiff, moist.	CLG									
			3					0.0						
			4	Tan well-graded SAND with trace clay, loose, moist.	SW CL-ML									
2 GP	60 50	PUSH	5	Brown SILTY CLAY with trace gravel, stiff, wet.				0.9						
			6	Brown, gray, red, and black well-graded SAND with trace gravel, loose, wet.										
			7					1.8						Sample collected from (6-8') for BTEX and PAHs.
			8	Petroleum odor and slight staining from 7.5 to 9.5' bgs.	SW									
			9					4.3						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 39	PUSH	10	No petroleum odor or staining.										
			11					4.9						
			12											
			13	Gray SILTY CLAY, soft, wet.				2.2						
			14		CL-ML			0.0						
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 414-643-4200
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-102

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/1/2021	3/1/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	718.8 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,908 N, 2,492,292 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.8" Long 88° 2' 10.1"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 36	PUSH	1–5	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling and trace wood, medium stiff, moist.	CLG			0.1 0.4						
2 GP	60 42	PUSH	5–10	Brown, gray, red, and black well-graded SAND with trace gravel, loose, wet.	SW			0.1 0.1 0.1						
3 GP	60 45	PUSH	10–13					0.2						
			13–15	Gray SILTY CLAY, soft, wet.	CL-ML			0.1 0.1						
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-103

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/1/2021	3/1/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	718.6 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,899 N, 2,492,293 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.7" Long 88° 2' 10.1"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 7	PUSH	1–5	Brown TOPSOIL with trace gravel and organics, soft, moist. Poor recovery.				0.1						
2 GP	60 49	PUSH	5–9	Brown, gray, red, and black well-graded SAND with trace gravel, loose, wet. Faint petroleum odor.	SW			0.1 0.1 0.4						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 60	PUSH	10–12	No petroleum odor.				1.3						Sample collected from (10-12') for BTEX and PAHs.
			13–14	Gray SILTY CLAY, medium soft, wet.	CL-ML			0.3 0.2						
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-104

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/1/2021	3/1/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	719.0 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,904 N, 2,492,278 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.8" Long 88° 2' 10.3"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 47	PUSH	1	Brown TOPSOIL with trace gravel and organics, soft, moist.				0.1						
			2	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling, medium stiff, moist.	CLG									
			3					0.1						
			4											
2 GP	60 40	PUSH	5	Brown, gray, red, and black well-graded SAND with trace gravel, loose, wet.				2.2						
			6											
			7					3.3						
			8	Petroleum odor and slight staining from 8' to 12' bgs.	SW									
			9					3.4						
3 GP	60 58	PUSH	10											
			11					4.9						Sample collected from (10-12') for BTEX and PAHs.
			12	Dark staining, strong petroleum odor, and free product blebs from 12' to 13' bgs.										
			13	Gray SILTY CLAY, soft, wet.				47.0						
			14		CL-ML			2.8						Sample collected from (12-14') for BTEX and PAHs.
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 414-643-4200
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-105

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/1/2021	3/1/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	718.7 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,916 N, 2,492,288 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.9"
Long 88° 2' 10.2"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 29	PUSH	1–4	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling, medium stiff, moist.	CLG			0.6 0.3						
2 GP	60 37	PUSH	5–9	Brown, gray, red, and black well-graded SAND with trace gravel, loose, wet.	SW			0.5 0.6 0.5						Sample collected from (6-8') for BTEX and PAHs. Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 55	PUSH	10–13	Gray SILTY CLAY, soft, wet.	CL-ML			0.4 0.4						
			14–15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.				0.3						End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-106

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/1/2021	3/1/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	719.1 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,901 N, 2,492,268 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.8" Long 88° 2' 10.4"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 54	PUSH	1	Brown TOPSOIL with trace gravel and organics, soft, moist.				0.4						
			2	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling, medium stiff, moist.										
			3					0.5						
			4		CLG									
2 GP	60 32	PUSH	5					0.1						
			6											
			7	Gray, well graded CLAYEY SAND with strong petroleum odor and staining, soft, wet.				4.3						
			8		SC-SM									
			9	Gray, well graded CLAYEY GRAVEL with trace sand, strong petroleum odor, staining and sheen, and free product blebs, wet.	GC			41.6						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 60	PUSH	10											
			11	Brown, gray, red, and black well-graded SAND with trace gravel, loose, wet.	SW			16.4						Sample collected from (10-12') for BTEX and PAHs.
			12											
			13	Gray SILTY CLAY, soft, wet.				17.9						
			14		CL-ML			2.7						
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group, 1300 W Canal St Milwaukee, WI 53233 Tel: 414-643-4200 Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-107

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/1/2021	3/1/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	719.1 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,896 N, 2,492,258 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.7" Long 88° 2' 10.6"
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 36	PUSH	1	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling, medium stiff, moist.	CLG			0.5						
			3	Dark brown to black GRAVELLY PEAT with wood fragments, stiff, wet.	PT			0.8						
			4	Black SILTY CLAY, medium soft, moist.	CL-ML									
2 GP	60 48	PUSH	5	Black SILTY CLAY, very soft, wet.	CL-ML			0.5						
			7					0.7						
			8	Gray, well graded SAND with trace clay and gravel and petroleum odor, loose, wet.	SW									
3 GP	60 48	PUSH	9	Dark brown to gray well graded GRAVELLY CLAY with trace sand. petroleum odor, staining, and free product blebs, wet.	CLG			40.5						Sample collected from (8-10') for BTEX and PAHs.
			11	Gray SILTY CLAY, medium soft, wet.	CL-ML			29.0						Sample collected from (10-12') for BTEX and PAHs.
			13					10.5						
			14					3.9						
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 414-643-4200
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-108

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/1/2021	3/1/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
WC707	NA	PZ-03C	Feet MSL	719.2 Feet MSL	8.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,889 N, 2,492,239 E S / C / N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.7" Long 88° 2' 10.8"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 26	PUSH	1	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling, medium stiff, moist.	CLG			0.3						
			2	Dark brown SANDY PEAT with trace gravel, stiff, wet.	PT									
			3	Black SILTY CLAY, medium stiff, wet.				0.8						
			4		CL-ML									
2 GP	60 40	PUSH	5	Black SILTY CLAY with trace gravel, soft, wet.				0.7						
			6											
			7		CL-ML			0.6						
			8											
			9	Brown to gray CLAYEY GRAVEL with trace sand and faint staining, stiff, wet.	GC			2.6						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 3	PUSH	10	Gray SILTY CLAY, very soft, wet.										
			11											
			12		CL-ML									
			13					0.0						
			14											
			15	End of boring at 15' bgs. 2" PVC NR 141 compliant monitoring well installed to 14.9' bgs.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel / Fax
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-109

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/2/2021	3/2/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
WC705	NA	PZ-03A	Feet MSL	718.7 Feet MSL	8.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,926 N, 2,492,284 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 35.0" Long 88° 2' 10.2"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 46	PUSH	1.5	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling, medium stiff, moist.	CLG			0.1						
			3.0					0.1						
			4.5	Dark brown SILTY CLAY with trace sand, stiff, wet.	CL-ML									
2 GP	60 50	PUSH	6.0	Brown, gray, red, and black well-graded SAND with trace gravel, loose, wet.				0.0						
			7.5		SW			0.1						
			9.0					0.1						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 60	PUSH	10.5					0.1						
			12.0	Gray SILTY CLAY, medium stiff, wet.										
			13.5		CL-ML			0.1						
			15.0					0.1						
				Stopped logging at 15' bgs.										End of Boring.
				End of boring at 15' bgs. 2" PVC NR 141 compliant monitoring well installed to 15.4' bgs.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel / Fax
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-110

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/2/2021	3/2/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	718.3 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,911 N, 2,492,308 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.9"
Long 88° 2' 9.9"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 53	PUSH	1-5	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling, medium stiff, moist.	CLG			0.0 0.0						
2 GP	60 49	PUSH	5-10	Brown, gray, red, and black well-graded SAND with trace gravel, loose, wet.	SW			0.1 0.1 0.1 0.1						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 45	PUSH	10-15	Gray SILTY CLAY, medium stiff, wet.	CL-ML			0.1 0.1						
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group, 1300 W Canal St Milwaukee, WI 53233 Tel: 414-643-4200 Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-111

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/2/2021	3/2/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	718.3 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,883 N, 2,492,292 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.6" Long 88° 2' 10.1"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 45	PUSH	1	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling, medium stiff, moist.	CLG			0.0						
			2											
			3					0.0						
			4	Black SILTY CLAY with PEAT, soft, moist.	CL-ML									
2 GP	60 42	PUSH	5	Gray SILTY CLAY, medium soft, wet.	CL-ML			0.2						
			6	Brown, black, gray, and tan well graded CLAYEY GRAVEL, soft to stiff, wet.	GC									
			7					50.1						
			8	Petroleum odor, free product blebs, and staining from 7.5-10'.										
			9					59.4						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 60	PUSH	10	Gray, well graded SANDY GRAVEL, coarse, wet.	GWS									
			11	Dark gray SILTY CLAY with petroleum odor, staining, and free product blebs, medium soft, wet.	CL-ML			43.7						Sample collected from (10-12') for BTEX and PAHs.
			12											
			13	Gray SILTY CLAY, medium soft, wet.	CL-ML			30.0						
			14					4.4						
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 414-643-4200
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-112

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/2/2021	3/2/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	719.1 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 435,031 N, 2,492,159 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 36.1"
Long 88° 2' 11.9"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 34	PUSH	1	Brown TOPSOIL with trace gravel and organics, soft, moist.				0.7						
			2	Greenish gray SILTY CLAY with trace sand, gravel, and organics, medium soft, moist.	CL-ML									
			3	Black, well graded, angular CLAYEY SAND, soft, wet.	SC-SM			0.7						
			4	WOOD										
			5	Black SILTY CLAY with trace wood, medium soft, wet.	CL-ML			0.7						
2 GP	60 24	PUSH	6	Greenish gray SILTY CLAY, soft, wet.	CL-ML									
			7	Gray, well graded, GRAVELLY CLAY, stiff wet.				0.5						
			8		CLG									
			9					0.8						Sample collected from (8-10') for BTEX and PAHs.
			10											
3 GP	60 55	PUSH	11	Gray, coarse, well graded SANDY GRAVEL, loose, wet.	GWS									
			12	Gray SILTY CLAY, soft, wet.				0.6						
			13		CL-ML			0.5						
			14					0.4						
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-113

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/2/2021	3/2/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	718.8 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,870 N, 2,492,292 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.5" Long 88° 2' 10.1"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 32	PUSH	1	Brown TOPSOIL with trace gravel and organics, soft, moist.										
			2	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling, medium stiff, moist.	CLG			1.0						
			3	Black SANDY CLAY with PEAT and trace gravel and wood fragments, medium soft, moist.	CLS			0.9						
			4											
			5	Black SILTY CLAY, soft, wet.	CL-ML			0.6						
2 GP	60 32	PUSH	6											
			7	Black and gray, well graded CLAYEY SAND with petroleum odor, staining, and some gravel, stiff, wet.	SC-SM			54.3						Sample collected from (6-8') for BTEX and PAHs.
			8											
			9					30.8						
			10	Gray SILTY CLAY with staining and petroleum odor, stiff, wet.	CL-ML									
3 GP	60 48	PUSH	11	Gray, well graded SANDY GRAVEL with petroleum odor, staining, and free product blebs, loose, wet.	GWS			36.0						Sample collected from (8-10') for BTEX and PAHs.
			12											
			13	Gray SILTY CLAY, soft, wet. Trace staining and free product from 11-13' bgs.	CL-ML			14.8						
			14					3.4						
			15											
				End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-114

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/2/2021	3/2/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
WC709	NA	PZ-03E	Feet MSL	719.0 Feet MSL	8.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,858 N, 2,492,294 E S / C / N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.3" Long 88° 2' 10.1"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 37	PUSH	1	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling, medium stiff, moist.	CLG			0.6						
			3	Black CLAYEY SAND with trace peat and gravel, soft, moist.	SC-SM			0.5						
			4	Black PEAT with trace gravel, medium stiff, moist.										
2 GP	60 36	PUSH	5	Black SILTY CLAY with trace wood fragments, medium soft, moist.	CL-ML			0.8						
			6	Gray SILTY CLAY, soft, wet.										
			7		CL-ML			9.4						
			8	Gray, well graded CLAYEY GRAVEL with faint petroleum odor and staining, stiff, wet.										
			9		GC			46.7						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 48	PUSH	10	Gray, well graded SANDY GRAVEL with faint staining and free product.	GWS									
			11	Gray SILTY CLAY, soft, wet. Staining from 11-12.5' bgs.				34.5						Sample collected from (10-12') for BTEX and PAHs.
			12											
			13		CL-ML			9.4						
			14					3.4						
			15	End of boring at 15' bgs. 2" PVC NR 141 compliant monitoring well installed to 14.8' bgs.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 414-643-4200
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-115

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/2/2021	3/2/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	719.2 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 435,032 N, 2,492,168 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 36.1" Long 88° 2' 11.7"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 48	PUSH	1	Brown TOPSOIL with trace gravel and organics, soft, moist.										
			2	Dark brown to black SILTY CLAY with trace sand and organics, moist, soft.	CL-ML			1.4						
			3	Black, angular, poorly graded SAND, loose, wet.	SP									
			4	Black PEAT, soft, wet.				1.2						
				Black SILTY CLAY, medium stiff, moist.	CL-ML									
2 GP	60 36	PUSH	5	Black CLAYEY SAND, very soft, wet.	SC-SM			1.0						
			6	Gray to dark gray SILTY CLAY, soft, wet.	CL-ML									
			7					0.8						
			8	Gray, well graded GRAVELLY SAND with some CLAY, wet.	SWG									
			9					1.1						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 45	PUSH	10	Brown, gray, red, and black well-graded SAND with trace gravel, loose, wet.	SW									
			11	Gray SILTY CLAY, soft, wet.				0.8						
			12											
			13		CL-ML			0.7						
			14					0.6						
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 414-643-4200
Steven Wilhelm	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-116

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/2/2021	3/2/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	718.4 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 435,040 N, 2,492,164 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 36.2" Long 88° 2' 11.8"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 31	PUSH	1	Brown TOPSOIL with trace gravel and organics, soft, moist.				0.8						
			2	WOOD										
			3	Dark brown to black SILTY CLAY, soft, moist.	CL-ML			4.2						Sample collected from (2-4') for BTEX and PAHs.
2 GP	60 48	PUSH	5					0.7						
			6	Gray, well graded GRAVELLY SAND with CLAY, stiff, wet.	SWG			0.5						
			8											
			9	Light brown SILTY CLAY with trace sand, medium stiff, wet.	CL-ML			0.8						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 8	PUSH	10	Gray, well graded SANDY GRAVEL, loose, wet.	GWS									
			12					0.4						
			13	Gray SILTY CLAY with trace sand and gravel, soft, wet.	CL-ML									
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel / Fax
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-117

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/2/2021	3/2/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
WC702	NA	MW-33SA	Feet MSL	718.8 Feet MSL	8.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 435,050 N, 2,492,162 E S / C / N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 36.3" Long 88° 2' 11.8"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 42	PUSH	0	Brown TOPSOIL with trace gravel and organics, soft, moist.										
			1.5	Brown SILTY CLAY with trace sand, gravel, and organics, soft, moist.	CL-ML			0.7						
			3.0	Orangish brown, angular, poorly graded SAND, dry.	SP			1.3						
			4.5	Dark brown PEAT with red wood fragments.	CL-ML									
2 GP	60 31	PUSH	6.0	Dark gray SILTY CLAY with trace sand and wood fragments, medium soft, moist.				0.8						
			7.5	Gray, well graded SANDY GRAVEL with some CLAY, medium stiff, wet.				0.8						
			9.0					0.7						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 12	PUSH	10.5		GWS			0.9						
			12.0											
			13.5					0.5						
			15.0	Stopped logging at 15' bgs.										End of Boring.
				End of boring at 15' bgs. 2" PVC NR 141 compliant monitoring well installed to 15.3' bgs.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-118

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/3/2021	3/3/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	718.5 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 435,083 N, 2,492,179 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 36.6"
Long 88° 2' 11.6"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 31	PUSH	1	Brown TOPSOIL with trace gravel and organics, soft, moist.				0.7						
			2	Brown SILTY CLAY with gray mottling and trace organics, medium stiff, moist.	CL-ML									
			3					0.7						
			4	Dark brown, angular, poorly graded SAND, loose, wet.	SP									
2 GP	60 36	PUSH	5	Dark brown to black SILTY CLAY, medium soft, wet.	CL-ML			0.5						
			6	Gray, well graded GRAVELLY SAND with trace clay, stiff, wet.										
			7					0.9						
			8											
			9		SWG			0.8						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 48	PUSH	10											
			11					0.7						
			12	Gray SILTY CLAY, soft, wet.										
			13		CL-ML			0.6						
			14					0.8						
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-119

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/3/2021	3/3/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
WC700	NA	PZ-02A	Feet MSL	718.6 Feet MSL	8.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 435,086 N, 2,492,183 E S / C / N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 36.6" Long 88° 2' 11.5"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 27	PUSH	1	Brown TOPSOIL with trace gravel and organics, soft, moist.				0.9						
			2	Brown SILTY CLAY with gray mottling and trace organics and gravel, medium stiff, dry.	CL-ML									
			3	Black SILTY CLAY with trace sand and wood fragments, soft, wet.				0.8						
			4											
			5		CL-ML									
2 GP	60 36	PUSH	6					0.6						
			7	Gray, well graded GRAVELLY SAND with trace clay and very faint petroleum odor, stiff, wet.				0.5						Sample collected from (6-8') for BTEX and PAHs.
			8											
			9		SWG			0.6						
3 GP	60 48	PUSH	10											Sample collected from (8-10') for BTEX and PAHs.
			11					0.6						
			12	Gray SILTY CLAY, soft, wet.										
			13		CL-ML			0.6						
			14					0.6						
			15	End of boring at 15' bgs. 1" pre-pack temporary well installed to 13.7' bgs.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233

Tel: 414-643-4200
Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-120

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/3/2021	3/3/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
NA	NA		Feet MSL	718.3 Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 435,083 N, 2,492,188 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 36.6" Long 88° 2' 11.4"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 24	PUSH	1	Brown TOPSOIL with trace gravel and organics, soft, moist.				0.9						
			2	Brown SILTY CLAY with gray mottling and trace organics, stiff, dry.	CL-ML									
			3	Black, angular, poorly graded SAND with trace wood fragments, loose, wet.	SP			0.9						
			4	Black SILTY CLAY, soft, wet.	CL-ML									
2 GP	60 40	PUSH	5					0.8						
			6	Gray, well graded GRAVELLY SAND with trace clay, stiff, wet.										
			7					0.6						
			8											
			9	Very faint petroleum odor from 9-10' bgs.	SWG			0.7						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 48	PUSH	10											
			11					0.6						
			12											
			13	Gray SILTY CLAY, soft wet.				0.5						
			14		CL-ML			0.6						
			15	End of boring at 15' bgs. Borehole abandoned with hydrated bentonite chips to surface.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-121

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/3/2021	3/3/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
WC701	NA	PZ-02B	Feet MSL	718.3 Feet MSL	8.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 435,077 N, 2,492,188 E S / C / N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 36.5" Long 88° 2' 11.4"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 32	PUSH	1	Brown TOPSOIL with trace gravel and organics, soft, moist.				0.5						
			2											
			3	Black SILTY CLAY with trace sand and wood fragments, medium stiff, dry.				0.5						
			4		CL-ML									
2 GP	60 29	PUSH	5					0.6						
			6											
			7	Gray, well graded GRAVELLY SAND with trace clay, wet.				1.1						Sample collected from (6-8') for BTEX and PAHs.
			8											
			9		SWG			0.6						
3 GP	60 50	PUSH	10											Sample collected from (8-10') for BTEX and PAHs.
			11	Gray SILTY CLAY, soft, wet.				0.9						
			12											
			13		CL-ML			1.1						
			14					1.0						
			15	End of boring at 15' bgs. 2" PVC NR 141 compliant monitoring well installed to 14.2' bgs.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 414-643-4200
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-122

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/3/2021	3/3/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
WC703	NA	MW-33SB	Feet MSL	719.3 Feet MSL	8.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 435,024 N, 2,492,172 E S / C / N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 36.0" Long 88° 2' 11.7"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 29	PUSH	1	Brown TOPSOIL with trace gravel and organics, soft, moist.				1.1						
			2	Brown to black, angular, poorly graded SAND with trace wood fragments, moist.	SP									
			3	Black PEAT, medium stiff, moist.				1.7						
			4	Black SILTY CLAY, medium stiff, moist.										
2 GP	60 36	PUSH	5	Wet at 5' bgs.	CL-ML			0.4						
			6											
			7					1.1						
			8	Gray, well graded SANDY GRAVEL with trace clay, stiff, wet.										
			9		GWS			1.5						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 44	PUSH	10											
			11					1.1						
			12	Gray SILTY CLAY, medium soft, wet.										Sample collected from (10-12') for BTEX and PAHs.
			13		CL-ML			0.9						
			14					0.7						
			15	End of boring at 15' bgs. 1" pre-pack temporary well installed to 13.6' bgs.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 414-643-4200
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-123

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/3/2021	3/3/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
WC704	NA	MW-33SC	Feet MSL	718.9 Feet MSL	8.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 435,028 N, 2,492,150 E S / C / N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 36.1" Long 88° 2' 12.0"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 35	PUSH	1	Dark brown SILTY CLAY with trace gravel and organics, soft, moist.	CL-ML			0.8						
			2	Black, angular, poorly graded SAND, loose, moist.	SP									
			3	Dark brown to black PEAT, medium stiff, moist.				1.4						
			4	Black SILTY CLAY, medium soft, moist.	CL-ML									
2 GP	60 44	PUSH	5	Wet and soft below 5' bgs.				0.7						
			6	Gray, well graded GRAVELLY SAND with trace clay, stiff, wet.	SWG									
			7					0.8						Sample collected from (6-8') for BTEX and PAHs.
			8	Gray SILTY CLAY, soft, wet.										
			9					1.3						
3 GP	60 27	PUSH	10											
			11		CL-ML			1.1						
			12											
			13					0.8						
			14					0.6						
			15	End of boring at 15' bgs. 1" pre-pack temporary well installed to 13.7' bgs.										End of Boring.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-124

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/3/2021	3/3/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
WC706	NA	PZ-03B	Feet MSL	719.2 Feet MSL	8.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,928 N, 2,492,253 E S/C/N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 35.0" Long 88° 2' 10.6"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 28	PUSH	1.5	Reworked Soil: Brown and tan well-graded GRAVELLY CLAY with black mottling, medium stiff, moist.	CLG			0.7						
			3.0					3.3						
			4.5											
2 GP	60 40	PUSH	6.0	Brown, gray, red, and black well-graded SAND with trace gravel, loose, wet.	SW			0.7						
			7.5					0.6						
			9.0					2.3						
3 GP	60 42	PUSH	10.5					2.4						Sample collected from (10-12') for BTEX and PAHs.
			12.0											
			13.5	Gray SILTY CLAY, medium stiff, wet.	CL-ML			1.2						
			15.0					1.2						
				Stopped logging at 15' bgs.										End of Boring.
				End of boring at 15' bgs. 2" PVC NR 141 compliant monitoring well installed to 15.3' bgs.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	414-643-4200 Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Moss American	02-41-529585	GP-125

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Gage Kapugi On-Site Environmental	3/3/2021	3/3/2021	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
WC708	NA	PZ-03D	Feet MSL	719.0 Feet MSL	8.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 434,862 N, 2,492,257 E S / C / N
NE 1/4 of NW 1/4 of Section 8, T 8 N, R 21 E
Lat 43° 10' 34.4" Long 88° 2' 10.6"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241378280	Milwaukee	41	Milwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 34	PUSH	0	Brown TOPSOIL with trace gravel and organics, soft, moist.										
			1.5	Dark brown, angular, poorly graded SAND with trace gravel, stiff, moist.	SP			0.5						
			3.0	Black SILTY CLAY, medium stiff, moist.	CL-ML			1.1						
2 GP	60 36	PUSH	4.5					0.7						
			6.0	Gray, well graded CLAYEY SAND, soft, wet. Faint Petroleum odor and sheen from 8-9' bgs.	SC-SM			1.6						
			7.5											
			9.0	Gray SILTY CLAY, medium soft, wet.				13.4						Sample collected from (8-10') for BTEX and PAHs.
3 GP	60 20	PUSH	10.5		CL-ML			2.1						
			12.0											
			13.5					1.6						
			15.0					1.1						
				Stopped logging at 15' bgs.										End of Boring.
				End of boring at 15' bgs. 2" PVC NR 141 compliant monitoring well installed to 15.2' bgs.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	414-643-4200 Fax: 414-643-4210

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State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-100

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 34.9N / 88 ° 2 ' 10.2W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	8	8	☒ E ☐ W

or Gov't Lot #:

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/1/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/1/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work: [signature]
Date Signed: 03/19/2021

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-101

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 34.8N / 88 ° 2 ' 10.2W
Method Code (see instructions):

¼ / ¼ NE	¼ NW	Section	Township	Range
or Gov't Lot #		8	8	21 ☒ E ☐ W

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/1/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/1/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work

DNR Use Only

Date Received	Noted By

Comments

Date Signed: 03/19/2021

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-102

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 34.8 N / 88 ° 2 ' 10.1 W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	8	8	21 ☒ E ☐ W

or Gov't Lot #:

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/1/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/1/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work

Date Signed: 03/19/2021

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

GP-103

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 34.7" N / 88 ° 2 ' 10.1" W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	8	8	☒ E ☐ W

or Gov't Lot #:

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/1/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/1/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work: Steven Wilhelm
Date Signed: 03/19/2021

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

GP-104

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 34.8 N / 88 ° 2 ' 10.3 W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	8	8	21 ☒ E ☐ W

or Gov't Lot #:

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/1/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/1/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work: [signature]
Date Signed: 03/19/2021

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

GP-105

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 34.9N / 88 ° 2 ' 10.3W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	8	8	21 ☒ E ☐ W

or Gov't Lot #:

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/1/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/1/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work
Date Signed: 03/19/2021

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-106

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 34.8N / 88 ° 2 ' 10.4W
Method Code (see instructions):

¼ / ¼ NE; ¼ NW; or Gov't Lot #
Section: 8; Township: 8; Range: 21 ☒ E ☐ W

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/1/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/1/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work: Steven Tilsner
Date Signed: 03/19/2021

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

GP-107

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 34.7"N / 88 ° 2 ' 10.6"W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	8	8	☒ E ☐ W

or Gov't Lot #:

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/1/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/1/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work: [signature]
Date Signed: 03/19/2021

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

GP-110

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 34.9 N / 88 ° 2 ' 9.9 W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	8	8	☒ E ☐ W

or Gov't Lot #:

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/2/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/2/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590	Steven Wiley	03/19/2021

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

GP-111

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 34.6N / 88 ° 2 ' 10.1W

Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	8	8	21 ☒ E ☐ W

or Gov't Lot #:

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American

Facility ID (FID or PWS): 241378280

License/Permit/Monitoring #: 02-41-529585

Original Well Owner: Milwaukee County

Present Well Owner: Milwaukee County

Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Drillhole / Borehole

Original Construction Date: 3/2/2021

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/2/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work: Otum Vikra

Date Signed: 03/19/2021

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

GP-112

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 36.1 N ; 88 ° 2 ' 11.9 W
Method Code (see instructions):

¼ / ¼ NE	¼ NW	Section	Township	Range
or Gov't Lot #		8	8	21 ☒ E ☐ W

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/2/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/2/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work: [signature]
Date Signed: 03/19/2021

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

GP-113

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 34.5N / 88 ° 2 ' 10.1W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	8	8	☒ E ☐ W

or Gov't Lot #:

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/2/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/2/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work: Steven Pikal
Date Signed: 03/19/2021

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-115

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 36.1N / 88 ° 2 ' 11.7W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	8	8	☒ E ☐ W

or Gov't Lot #:

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/2/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/2/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work: [signature]
Date Signed: 03/19/2021

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-116

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Latitude / Longitude (Degrees and Minutes): 43 ° 10 ' 36.2 N / 88 ° 2 ' 11.8 W
Method Code (see instructions):

¼ / ¼ NE	¼ NW	Section	Township	Range
or Gov't Lot #		8	8	21 ☒ E ☐ W

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/2/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/2/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		03/19/2021

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-118

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 36.6N / 88 ° 2 ' 11.6W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	8	8	☒ E ☐ W

or Gov't Lot #:

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/3/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/3/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		03/19/2021

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-120

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	NA	NA

Lattitude / Longitude (Degrees and Minutes): 43 ° 10 ' 36.6N / 88 ° 2 ' 11.4W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	8	8	☒ E ☐ W

or Gov't Lot #:

Well Street Address: 9633 W. Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #
NA	NA

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative Boring	NA

2. Facility / Owner Information

Facility Name: Moss American
Facility ID (FID or PWS): 241378280
License/Permit/Monitoring #: 02-41-529585
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 901 N. 9th Street

City of Present Owner	State	ZIP Code
Milwaukee	WI	53233

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/3/2021
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
15.0	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2 3	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	0.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental Services Inc		3/3/2021

Street or Route	Telephone Number
3210 Edmonton Drive	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work: [signature]
Date Signed: 03/19/2021

DNR Use Only

Date Received	Noted By

Comments:

ATTACHMENT 2

GROUNDWATER MONITORING WELL CONSTRUCTION AND DEVELOPMENT FORMS

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Moss American	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: PZ-03A
Facility License, Permit or Monitoring No.: 02-41-529585	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 10' 35.0" Long. 88° 2' 10.2" or St. Plane 434,926 ft. N, 2,492,284 ft. E. S/C/N	Wis. Unique Well No.: WC705 DNR Well Number: NA
Facility ID: 241378280		Date Well Installed: 03/02/2021
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 8, T. 8 N, R. 21 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Gage Kapugi, On-Site Environmental
Distance from Waste/Source ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 721.32 ft. MSL
B. Well casing, top elevation 721.07 ft. MSL
C. Land surface elevation 718.7 ft. MSL
D. Surface seal, bottom 715.3 ft. MSL or 3.4 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

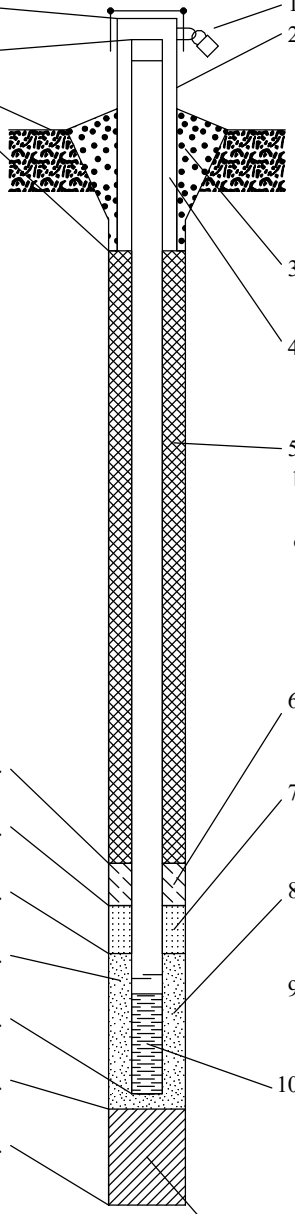
14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐ __

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top 718.7 ft. MSL or 0.0 ft.
F. Fine sand, top 715.3 ft. MSL or 3.4 ft.
G. Filter pack, top 714.3 ft. MSL or 4.4 ft.
H. Screen joint, top 713.3 ft. MSL or 5.4 ft.
I. Well bottom 703.3 ft. MSL or 15.4 ft.
J. Filter pack, bottom 703.3 ft. MSL or 15.4 ft.
K. Borehole, bottom 703.3 ft. MSL or 15.4 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.35 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4
____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐ __
4. Material between well casing and protective pipe:
Bentonite ☐ 3 0
Filter Pack Other ☒ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____% Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 1.25 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Sand #15 __
b. Volume added 0.25 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Sand #40 __
b. Volume added 2 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐ __
10. Screen material: SCH 40 PVC __
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐ __
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 1 4
____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group, 1300 W Canal St Milwaukee, WI 53233 Tel: 414-643-4200 Fax: 414-643-4210

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Moss American	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: PZ-03B
Facility License, Permit or Monitoring No.: 02-41-529585	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 10' 35.0" Long. 88° 2' 10.6" or	Wis. Unique Well No.: WC706 / DNR Well Number: NA
Facility ID: 241378280	St. Plane 434,928 ft. N, 2,492,253 ft. E. S / C / N	Date Well Installed: 03/03/2021
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 8, T. 8 N, R. 21 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Gage Kapugi, On-Site Environmental
Distance from Waste/Source ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 721.98 ft. MSL
B. Well casing, top elevation 721.73 ft. MSL
C. Land surface elevation 719.2 ft. MSL
D. Surface seal, bottom 715.9 ft. MSL or 3.3 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

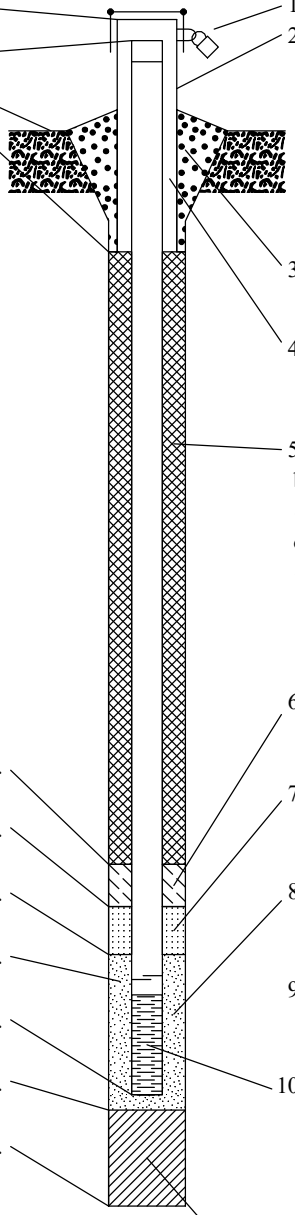
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / Other ☐ ____

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 719.2 ft. MSL or 0.0 ft.
F. Fine sand, top 715.9 ft. MSL or 3.3 ft.
G. Filter pack, top 714.9 ft. MSL or 4.3 ft.
H. Screen joint, top 713.9 ft. MSL or 5.3 ft.
I. Well bottom 703.9 ft. MSL or 15.3 ft.
J. Filter pack, bottom 703.9 ft. MSL or 15.3 ft.
K. Borehole, bottom 703.9 ft. MSL or 15.3 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.35 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4 / Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0 / Concrete ☐ 0 1 / Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 3 0 / Filter Pack / Other ☒ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 2 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Sand #15 ____
b. Volume added 0.25 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Sand #40 ____
b. Volume added 2.25 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / Other ☐ ____
10. Screen material: SCH 40 PVC ____
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / Other ☐ ____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 1 4 / Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: The Sigma Group, 1300 W Canal St Milwaukee, WI 53233 Tel: 414-643-4200 Fax: 414-643-4210

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Moss American	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: PZ-03C
Facility License, Permit or Monitoring No.: 02-41-529585	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 10' 34.7" Long. 88° 2' 10.8" or St. Plane 434,889 ft. N, 2,492,239 ft. E. S/C/N	Wis. Unique Well No.: WC707 DNR Well Number: NA
Facility ID: 241378280		Date Well Installed: 03/01/2021
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 8, T. 8 N, R. 21 ☒ E ☐ W	Well Installed By: (Person's Name and Firm) Gage Kapugi
Distance from Waste/Source ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number: ____ On-Site Environmental

A. Protective pipe, top elevation 721.85 ft. MSL
B. Well casing, top elevation 721.60 ft. MSL
C. Land surface elevation 719.2 ft. MSL
D. Surface seal, bottom 716.3 ft. MSL or 2.9 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☒ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

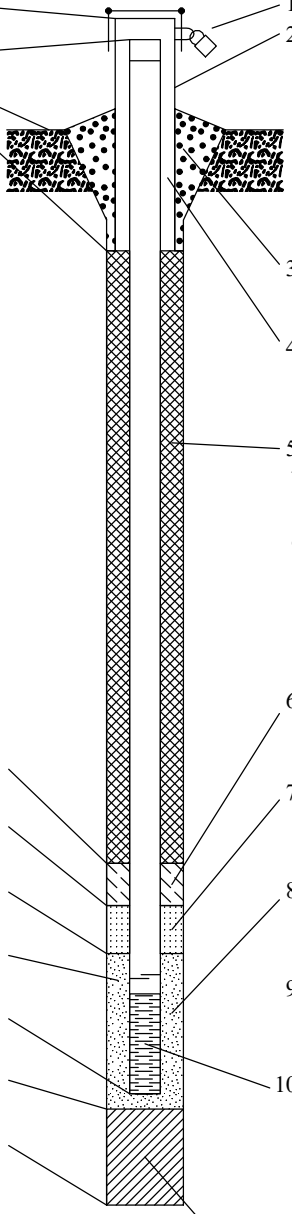
14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐ __

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top 719.2 ft. MSL or 0.0 ft.
F. Fine sand, top 716.3 ft. MSL or 2.9 ft.
G. Filter pack, top 715.3 ft. MSL or 3.9 ft.
H. Screen joint, top 714.3 ft. MSL or 4.9 ft.
I. Well bottom 704.3 ft. MSL or 14.9 ft.
J. Filter pack, bottom 704.3 ft. MSL or 14.9 ft.
K. Borehole, bottom 704.2 ft. MSL or 15.0 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.35 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4
____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐ __
4. Material between well casing and protective pipe:
Bentonite ☐ 3 0
Filter Pack Other ☒ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 2 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Sand #15 __
b. Volume added 0.25 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Sand #40 __
b. Volume added 3 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐ __
10. Screen material: SCH 40 PVC __
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐ __
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4
Collapse Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Moss American	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: PZ-03D
Facility License, Permit or Monitoring No.: 02-41-529585	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 10' 34.4" Long. 88° 2' 10.6" or	Wis. Unique Well No.: WC708 / DNR Well Number: NA
Facility ID: 241378280	St. Plane 434,862 ft. N, 2,492,257 ft. E. S / C / N	Date Well Installed: 03/03/2021
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 8, T. 8 N, R. 21 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Gage Kapugi, On-Site Environmental
Distance from Waste/Source ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 721.44 ft. MSL
B. Well casing, top elevation 721.19 ft. MSL
C. Land surface elevation 719.0 ft. MSL
D. Surface seal, bottom 715.8 ft. MSL or 3.2 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☒ SC ☒ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

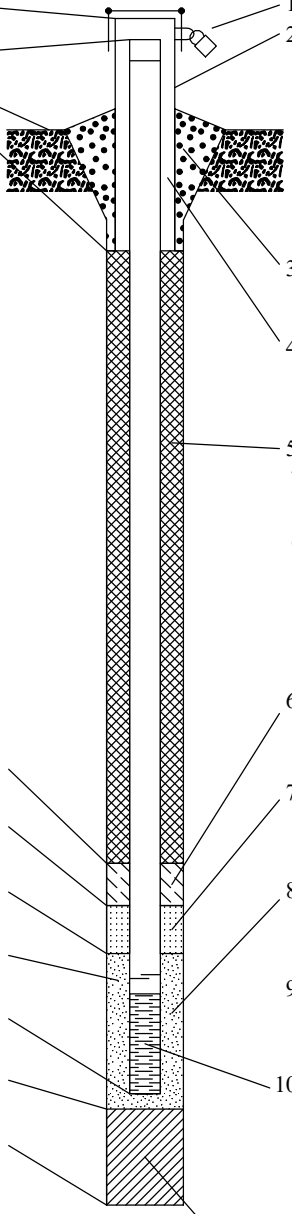
14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐ __

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top 719.0 ft. MSL or 0.0 ft.
F. Fine sand, top 715.8 ft. MSL or 3.2 ft.
G. Filter pack, top 714.8 ft. MSL or 4.2 ft.
H. Screen joint, top 713.8 ft. MSL or 5.2 ft.
I. Well bottom 703.8 ft. MSL or 15.2 ft.
J. Filter pack, bottom 703.8 ft. MSL or 15.2 ft.
K. Borehole, bottom 703.8 ft. MSL or 15.2 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.35 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4
____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐ __
4. Material between well casing and protective pipe:
Bentonite ☐ 3 0
Filter Pack Other ☒ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____% Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 2 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Sand #15 __
b. Volume added 0.25 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Sand #40 __
b. Volume added 2.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐ __
10. Screen material: SCH 40 PVC __
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐ __
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 1 4
____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group, 1300 W Canal St Milwaukee, WI 53233 Tel: 414-643-4200 Fax: 414-643-4210

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Moss American	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: PZ-03E
Facility License, Permit or Monitoring No.: 02-41-529585	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 10' 34.3" Long. 88° 2' 10.1" or	Wis. Unique Well No.: WC709 / DNR Well Number: NA
Facility ID: 241378280	St. Plane 434,858 ft. N, 2,492,294 ft. E. S / C / N	Date Well Installed: 03/02/2021
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 8, T. 8 N, R. 21 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Gage Kapugi, On-Site Environmental
Distance from Waste/Source ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 721.44 ft. MSL
B. Well casing, top elevation 721.19 ft. MSL
C. Land surface elevation 719.0 ft. MSL
D. Surface seal, bottom 716.2 ft. MSL or 2.8 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☒ GW ☒ SW ☐ SP ☐
SM ☒ SC ☒ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

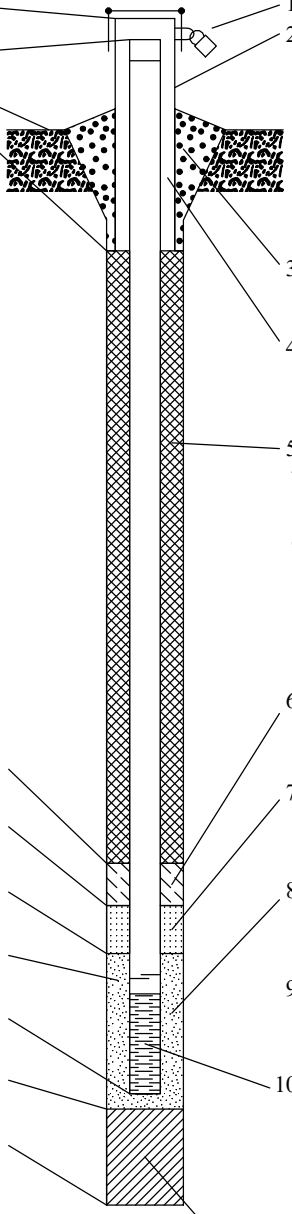
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / Other ☐ ____

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 719.0 ft. MSL or 0.0 ft.
F. Fine sand, top 716.2 ft. MSL or 2.8 ft.
G. Filter pack, top 715.2 ft. MSL or 3.8 ft.
H. Screen joint, top 714.2 ft. MSL or 4.8 ft.
I. Well bottom 704.2 ft. MSL or 14.8 ft.
J. Filter pack, bottom 704.2 ft. MSL or 14.8 ft.
K. Borehole, bottom 704.0 ft. MSL or 15.0 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.35 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4 / Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0 / Concrete ☐ 0 1 / Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 3 0 / Filter Pack / Other ☒ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 2 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Sand #15 ____
b. Volume added 0.25 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Sand #40 ____
b. Volume added 2.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / Other ☐ ____
10. Screen material: SCH 40 PVC ____
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / Other ☐ ____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4 / Collapse / Other ☒ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature ____ Firm The Sigma Group, 1300 W Canal St Milwaukee, WI 53233 Tel: 414-643-4200 Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Moss American	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-33SA
Facility License, Permit or Monitoring No.: 02-41-529585	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 10' 36.3" Long. 88° 2' 11.8" or St. Plane 435,050 ft. N, 2,492,162 ft. E. S/C/N	Wis. Unique Well No.: WC702 DNR Well Number: NA
Facility ID: 241378280		Date Well Installed: 03/02/2021
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 8, T. 8 N, R. 21 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Gage Kapugi; On-Site Environmental
Distance from Waste/Source ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 721.21 ft. MSL
B. Well casing, top elevation 720.96 ft. MSL
C. Land surface elevation 718.8 ft. MSL
D. Surface seal, bottom 715.5 ft. MSL or 3.3 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☒ SW ☐ SP ☒
SM ☐ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

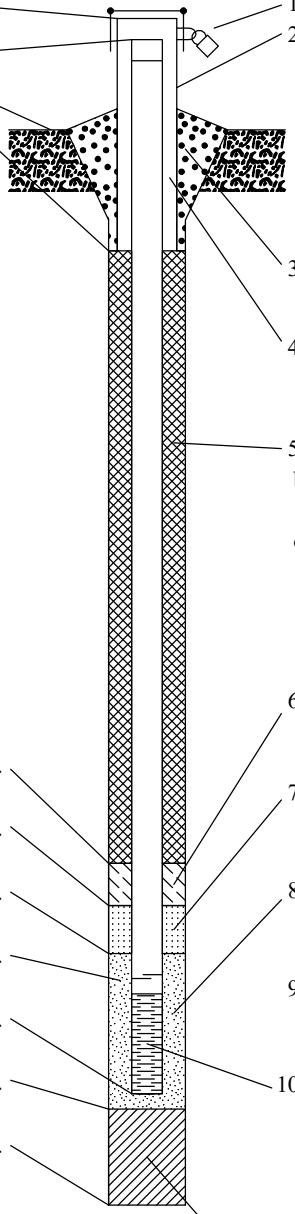
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / Other ☐ ____

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 718.8 ft. MSL or 0.0 ft.
F. Fine sand, top 715.5 ft. MSL or 3.3 ft.
G. Filter pack, top 714.5 ft. MSL or 4.3 ft.
H. Screen joint, top 713.5 ft. MSL or 5.3 ft.
I. Well bottom 703.5 ft. MSL or 15.3 ft.
J. Filter pack, bottom 703.5 ft. MSL or 15.3 ft.
K. Borehole, bottom 703.5 ft. MSL or 15.3 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.35 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4 / Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0 / Concrete ☐ 0 1 / Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 3 0 / Filter Pack / Other ☒ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 2 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Sand #15 ____
b. Volume added 0.25 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Sand #40 ____
b. Volume added 3.25 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / Other ☐ ____
10. Screen material: SCH 40 PVC ____
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / Other ☐ ____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 1 4 / Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature ____ Firm The Sigma Group, 1300 W Canal St Milwaukee, WI 53233 Tel: 414-643-4200 Fax: 414-643-4210

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Moss American	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-33SB
Facility License, Permit or Monitoring No.: 02-41-529585	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 10' 36.0" Long. 88° 2' 11.7" or St. Plane 435,024 ft. N, 2,492,172 ft. E. S/C/N	Wis. Unique Well No.: WC703 DNR Well Number: NA
Facility ID: 241378280		Date Well Installed: 03/03/2021
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 8, T. 8 N, R. 21 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Gage Kapugi; On-Site Environmental
Distance from Waste/Source ____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number: ____

A. Protective pipe, top elevation 721.94 ft. MSL
B. Well casing, top elevation 721.69 ft. MSL
C. Land surface elevation 719.3 ft. MSL
D. Surface seal, bottom 716.3 ft. MSL or 3.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☒ SW ☐ SP ☒
SM ☐ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0; Hollow Stem Auger ☒ 4 1; Other ☐ __

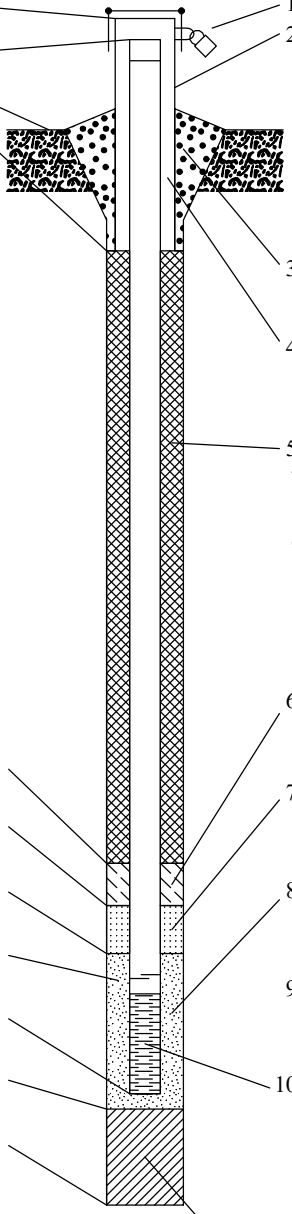
15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 719.3 ft. MSL or 0.0 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top 717.7 ft. MSL or 1.6 ft.
H. Screen joint, top 715.7 ft. MSL or 3.6 ft.
I. Well bottom 705.7 ft. MSL or 13.6 ft.
J. Filter pack, bottom 705.7 ft. MSL or 13.6 ft.
K. Borehole, bottom 704.3 ft. MSL or 15.0 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 1.35 in.
N. I.D. well casing 1.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4; Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0; Concrete ☐ 0 1; Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☐ 3 0; Filter Pack; Other ☒ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 0.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1; Tremie pumped ☐ 0 2; Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added 0 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Unimin 2040-Prepack, Red Flint Sand #40
b. Volume added 0.25 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3; Flush threaded PVC schedule 80 ☐ 2 4; Other ☐ __
10. Screen material: SCH 40 PVC
a. Screen Type: Factory cut ☒ 1 1; Continuous slot ☐ 0 1; Other ☐ __
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): Collapse; None ☐ 1 4; Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature ____ Firm The Sigma Group, 1300 W Canal St Milwaukee, WI 53233 Tel: 414-643-4200 Fax: 414-643-4210

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Moss American	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-33SC
Facility License, Permit or Monitoring No.: 02-41-529585	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 10' 36.1" Long. 88° 2' 12.0" or	Wis. Unique Well No.: WC704 / DNR Well Number: NA
Facility ID: 241378280	St. Plane 435,028 ft. N, 2,492,150 ft. E. S / C / N	Date Well Installed: 03/03/2021
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 8, T. 8 N, R. 21 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Gage Kapugi; On-Site Environmental
Distance from Waste/Source ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 722.59 ft. MSL
B. Well casing, top elevation 722.34 ft. MSL
C. Land surface elevation 718.9 ft. MSL
D. Surface seal, bottom 715.9 ft. MSL or 3.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☒
SM ☐ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

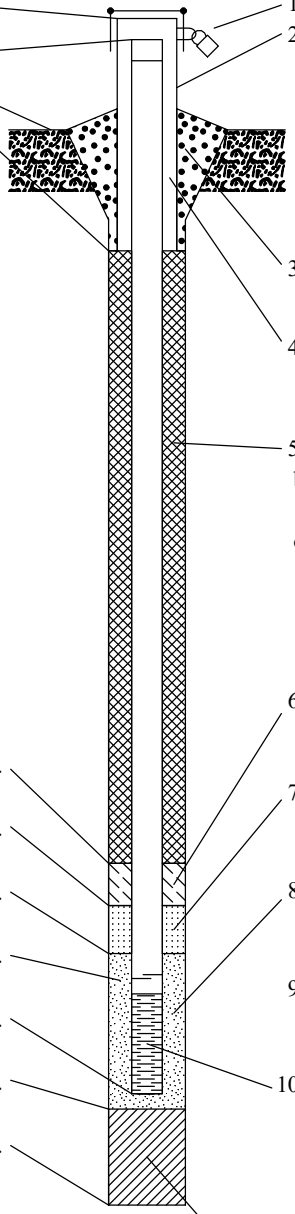
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / Other ☐ ____

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 718.9 ft. MSL or 0.0 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top 717.2 ft. MSL or 1.7 ft.
H. Screen joint, top 715.2 ft. MSL or 3.7 ft.
I. Well bottom 705.2 ft. MSL or 13.7 ft.
J. Filter pack, bottom 705.2 ft. MSL or 13.7 ft.
K. Borehole, bottom 703.9 ft. MSL or 15.0 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 1.35 in.
N. I.D. well casing 1.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4 / Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0 / Concrete ☐ 0 1 / Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 3 0 / Filter Pack / Other ☒ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 0.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added 0 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Unimin 2040-Prepack, Red Flint Sand #40
b. Volume added 0.25 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / Other ☐ ____
10. Screen material: SCH 40 PVC
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / Other ☐ ____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4 / Collapse / Other ☒ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: The Sigma Group, 1300 W Canal St Milwaukee, WI 53233 Tel: 414-643-4200 Fax: 414-643-4210

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Moss American	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: PZ-02A
Facility License, Permit or Monitoring No.: 02-41-529585	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 10' 36.6" Long. 88° 2' 11.5" or St. Plane 435,086 ft. N, 2,492,183 ft. E. S/C/N	Wis. Unique Well No.: WC700 DNR Well Number: NA
Facility ID: 241378280		Date Well Installed: 03/03/2021
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 8, T. 8 N, R. 21 ☒ E ☐ W	Well Installed By: (Person's Name and Firm) Gage Kapugi
Distance from Waste/Source ____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number: ____ On-Site Environmental

A. Protective pipe, top elevation 721.38 ft. MSL
B. Well casing, top elevation 721.13 ft. MSL
C. Land surface elevation 718.6 ft. MSL
D. Surface seal, bottom 716.9 ft. MSL or 1.7 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

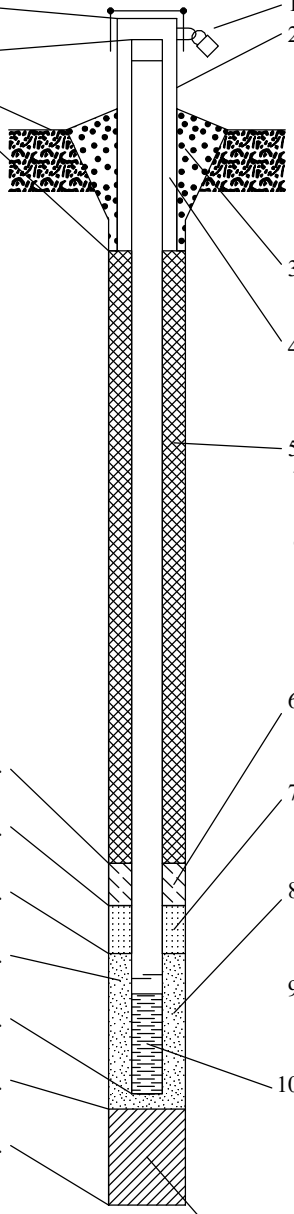
14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐ __

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top 718.6 ft. MSL or 0.0 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top 716.9 ft. MSL or 1.7 ft.
H. Screen joint, top 714.9 ft. MSL or 3.7 ft.
I. Well bottom 704.9 ft. MSL or 13.7 ft.
J. Filter pack, bottom 704.9 ft. MSL or 13.7 ft.
K. Borehole, bottom 703.6 ft. MSL or 15.0 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.35 in.
N. I.D. well casing 1.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4
____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐ __
4. Material between well casing and protective pipe:
Bentonite ☐ 3 0
Filter Pack Other ☒ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 0.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. ____ __
b. Volume added 0 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Unimin 2040-Prepack, Red Flint Sand #40 __
b. Volume added 0.25 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐ __
10. Screen material: SCH 40 PVC __
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐ __
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4
Collapse Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Moss American	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: PZ-02B
Facility License, Permit or Monitoring No.: 02-41-529585	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 10' 36.5" Long. 88° 2' 11.4" or St. Plane 435,077 ft. N, 2,492,188 ft. E. S/C/N	Wis. Unique Well No.: WC701 DNR Well Number: NA
Facility ID: 241378280		Date Well Installed: 03/03/2021
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 8, T. 8 N, R. 21 ☒ E ☐ W	Well Installed By: (Person's Name and Firm) Gage Kapugi
Distance from Waste/Source ____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number: ____ On-Site Environmental

A. Protective pipe, top elevation 721.05 ft. MSL
B. Well casing, top elevation 720.80 ft. MSL
C. Land surface elevation 718.3 ft. MSL
D. Surface seal, bottom 716.1 ft. MSL or 2.2 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

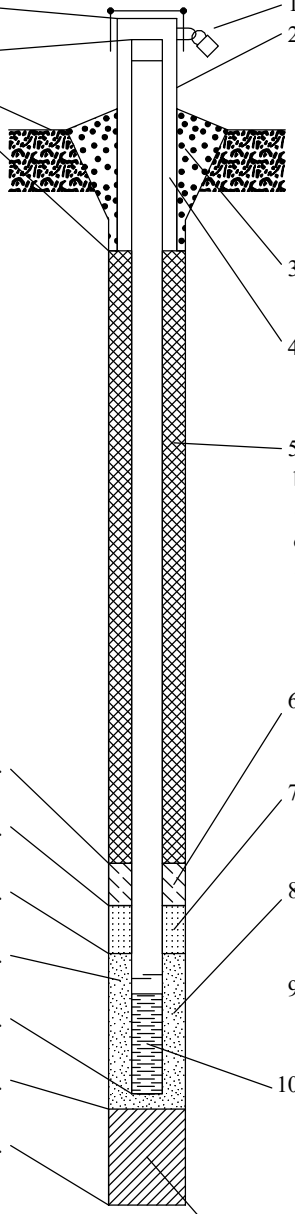
14. Drilling method used: Rotary ☐ 5 0 Hollow Stem Auger ☒ 4 1 Other ☐ ____

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top 718.3 ft. MSL or 0.0 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top 716.1 ft. MSL or 2.2 ft.
H. Screen joint, top 714.1 ft. MSL or 4.2 ft.
I. Well bottom 704.1 ft. MSL or 14.2 ft.
J. Filter pack, bottom 704.1 ft. MSL or 14.2 ft.
K. Borehole, bottom 703.3 ft. MSL or 15.0 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 1.35 in.
N. I.D. well casing 1.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4 Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0 Concrete ☐ 0 1 Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 3 0 Filter Pack Other ☒ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 0.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 Tremie pumped ☐ 0 2 Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. ____
b. Volume added 0 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Unimin 2040-Prepack, Red Flint Sand #40
b. Volume added 0.25 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 Flush threaded PVC schedule 80 ☐ 2 4 Other ☐ ____
10. Screen material: SCH 40 PVC
a. Screen Type: Factory cut ☒ 1 1 Continuous slot ☐ 0 1 Other ☐ ____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4 Collapse Other ☒ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ellen Nikol

Firm: The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
MOSS AMERICA	Milwaukee	P2-03A
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
02-41-529585	41	WC705__	NA

1. Can this well be purged dry? ☐ Yes ☑ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☑ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 180 min.

4. Depth of well (from top of well casisng) 17.74 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 1770 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 2.65 ft.	2.89 ft.
Date	b. 03/09/2021 (m m d d y y y y)	03/09/2021 (m m d d y y y y)
Time	c. __:__ ☐ a.m. ☐ p.m.	__:__ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	1.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe) brown	Clear ☑ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Michael Last Name: Murray
Firm: Sigma

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Milwaukee County
Street: 901 N. 9th Street
City/State/Zip: Milwaukee, WI 53233

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Michael Murray
Firm: Sigma

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Moss America	Milwaukee	PZ-03B
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
02-41-529585	41	WC706__	NA

1. Can this well be purged dry? ☐ Yes ☑ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☑ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 180 min.

4. Depth of well (from top of well casisng) 178.4 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 171.0 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.22 ft.	3.46 ft.
Date	b. 03/09/2021 (m m d d y y y y)	03/09/2021 (m m d d y y y y)
Time	c. __:__ ☐ a.m. ☐ p.m.	__:__ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	1.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe) Brown	Clear ☑ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Michael Last Name: Murray
Firm: Sigma

17. Additional comments on development:
HHH

Name and Address of Facility Contact /Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Milwaukee County
Street: 901 N. 9th Street
City/State/Zip: Milwaukee, WI 53233

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Michael Murray
Firm: Sigma

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Moss America	Milwaukee	PZ-03C

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02-41-529585	41	WC707__	NA

1. Can this well be purged dry? ☐ Yes ☑ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☑ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 170 min.

4. Depth of well (from top of well casisng) 17.26 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 166.0 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.05 ft.	3.91 ft.
Date	b. 03/08/2021 (m m d d y y y y)	03/08/2021 (m m d d y y y y)
Time	c. __:__ ☐ a.m. ☐ p.m.	__:__ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	1.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe) Brown	Clear ☑ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids ____.__ mg/l ____.__ mg/l

15. COD ____.__ mg/l ____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Michael Last Name: Murray
Firm: Sigma

17. Additional comments on development:
++++

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Milwaukee County
Street: 901 N. 9th Street
City/State/Zip: Milwaukee, WI 53233

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Michael Murray
Firm: Sigma

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Moss America	Milwaukee	PZ-03D

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02-41-529585	41	WC708__	NA

1. Can this well be purged dry? ☑ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☑ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 175 min.

4. Depth of well (from top of well casisng) 138 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 173.0 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 2.58 ft.	4.24 ft.
Date	b. 03/08/2021 (m m d d y y y y)	03/08/2021 (m m d d y y y y)
Time	c. __:__ ☐ a.m. ☐ p.m.	__:__ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	1.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe) Brown	Clear ☑ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Michael Last Name: Murray
Firm: Sigma

17. Additional comments on development:
111

Name and Address of Facility Contact /Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Milwaukee County
Street: 901 N. 9th Street
City/State/Zip: Milwaukee, WI 53233

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Michael Murray
Firm: Sigma

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Moss America	Milwaukee	PZ-03E
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
02-41-529585	41	WC709__	NA

1. Can this well be purged dry? ☐ Yes ☑ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☑ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 170 min.

4. Depth of well (from top of well casisng) 16.95 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 1670. gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 2.62 ft.	3.16 ft.
Date	b. 03/09/2021 (m m d d y y y y)	03/09/2021
Time	c. __:__ ☐ a.m. ☐ p.m.	__:__ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	1.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe) black/brown	Clear ☑ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids ____.__ mg/l ____.__ mg/l

15. COD ____.__ mg/l ____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Michael Last Name: Murray
Firm: Sigma

17. Additional comments on development:
odor + Sheen present while Pumping

Name and Address of Facility Contact /Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Milwaukee County
Street: 901 N. 9th Street
City/State/Zip: Milwaukee, WI 53233

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Michael Murray
Firm: Sigma

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
MOSS America	Milwaukee	MW-335A

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02-41-529585	41	WC702	NA

1. Can this well be purged dry? ☐ Yes ☑ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☑ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 160 min.

4. Depth of well (from top of well casisng) 17.44 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 156.0 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	4.08 ft.	4.50 ft.
Date b. (mm/dd/yyyy)	03/08/2021	03/08/2021
Time c.	☐ a.m. ☐ p.m.	☐ a.m. ☐ p.m.
12. Sediment in well bottom	1.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe) brown	Clear ☑ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Michael Last Name: Murray
Firm: Sigma

17. Additional comments on development:
TTT

Name and Address of Facility Contact /Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Milwaukee County
Street: 901 N. 9th Street
City/State/Zip: Milwaukee, WI 53233

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Michael Murray
Firm: Sigma

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/ ProjectName	County Name	Well Name
Moss America	Milwaukee	MW-3.35B

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02-41-529585	41	WC703_	NA

1. Can this well be purged dry? ☐ Yes ☑ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☑ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 60 min.

4. Depth of well (from top of well casisng) 12.99 ft.

5. Inside diameter of well 1.00 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 95 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.45 ft.	3.54 ft.
Date	b. 03/10/2021 (m m d d y y y y)	03/10/2021 (m m d d y y y y)
Time	c. __:__ ☐ a.m. ☐ p.m.	__:__ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	2.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe) Brown	Clear ☑ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Michael Last Name: Murray
Firm: Sigma

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Milwaukee County
Street: 901 N. 9th Street
City/State/Zip: Milwaukee, WI 53233

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Michael Murray
Firm: Sigma

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Moss America	Milwaukee	MW-335C
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
02-41-529585	41	WC704	NA

1. Can this well be purged dry? ☑ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☑ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 90 min.

4. Depth of well (from top of well casisng) 13.48 ft.

5. Inside diameter of well 1.00 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 4.5 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.92 ft.	12.55 ft.
Date	b. 03/10/2021 (m m d d y y y y)	03/10/2021 (m m d d y y y y)
Time	c. __:__ ☐ a.m. ☐ p.m.	__:__ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	20 inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe) Brown	Clear ☐ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Michael Last Name: Murray
Firm: Sigma

17. Additional comments on development:

1st Purge: dry @ 2.5 gal.
2nd - dry @ 1.0 gal
3rd - dry @ 1.0 gal

30 min in between purges

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Milwaukee County
Street: 901 N. 9th Street
City/State/Zip: Milwaukee, WI 53233

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Michael Murray
Firm: Sigma

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Moss America	Milwaukee	PZ-02A

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02-41-529585	41	WC700	NA

1. Can this well be purged dry? ☐ Yes ☑ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☑ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 60 min.

4. Depth of well (from top of well casisng) 16.23 ft.

5. Inside diameter of well 1.00 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 11.0 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes ,attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 5.06 ft.	5.92 ft.
Date	b. 03/09/2021 (m m d d y y y y)	03/09/2021 (m m d d y y y y)
Time	c. __:__ ☐ a.m. ☐ p.m.	__:__ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	0.5 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe) Brown	Clear ☑ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Michael Last Name: Murray
Firm: Sigma

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Milwaukee County
Street: 901 N. 9th Street
City/State/Zip: Milwaukee, WI 53233

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Michael Murray
Firm: Sigma

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Moss America	Milwaukee	PZ-02B
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
02-41-529585	41	WC701	NA

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☑ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 60 min.

4. Depth of well (from top of well casisng) 16.68 ft.

5. Inside diameter of well 1.60 in.

6. Volume of water in filter pack and well casing ____ gal.

7. Volume of water removed from well 12.0 gal.

8. Volume of water added (if any) ____ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.69 ft.	4.88 ft.
Date	b. 03/10/2021 (m m d d y y y y)	03/10/2021 (m m d d y y y y)
Time	c. ____ ☐ a.m. ☐ p.m.	____ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	1.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe) Brown	Clear ☑ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids ____ mg/l ____ mg/l

15. COD ____ mg/l ____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Michael Last Name: Murray
Firm: Sigma

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Milwaukee County
Street: 901 N. 9th Street
City/State/Zip: Milwaukee, WI 53233

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Michael Murray
Firm: Sigma

NOTE: See instructions for more information including a list of county codes and well type codes.

ATTACHMENT 3

INVESTIGATIVE WASTE MANIFESTS

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
WID039052626	1	(877) 818-0087	001876597 VES

GENERATOR

5. Generator's Name and Mailing Address
TOM WENTLAND (DNR)
WISCONSIN DNR - MOSS-AMERICA CO
1155 PILGRIM ROAD
PLYMOUTH, WI 53073
Generator's Phone:

Generator's Site Address (if different than mailing address)
8716 GRANVILLE RD
MILWAUKEE, WI 53224

6. Transporter 1 Company Name 920 893-8529
VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: WIDO80631369

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
WAYNE DISPOSAL, INC.
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800 592-5489
U.S. EPA ID Number: MID048009633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (K001, F034), 9, III, RQ	6	DM	4.20	P	F034 K001
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ER Service Contracted by VESTS + Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf. + 1) ERG:171 W:665128 A:WAY K164530WDI
+ State Index

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	WID039052626		(877) 818-0067	001876596 VES

GENERATOR

5. Generator's Name and Mailing Address

WID039052626

TOM WENTLAND (DNR)
WISCONSIN DNR - MOSS-AMERICA CO
1155 PILGRIM ROAD
MENOMINEE, WI 53073

Generator's Phone:

Generator's Site Address (if different than mailing address)

8716 GRANVILLE RD
MILWAUKEE, WI 53224

6. Transporter 1 Company Name 920 893-8528

VEOLIA ES TECHNICAL SOLUTIONS

U.S. EPA ID Number

N J D 0 8 0 6 3 1 5 6 9

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

VEOLIA ES TECHNICAL SOLUTIONS
HIGHWAY 73
3.5 MILES W. OF TAYLORS BAYOU
PORT ARTHUR, TX 77640

U.S. EPA ID Number

T X D 0 0 0 8 3 0 8 9 6

Facility's Phone: 409 736-2821

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3082, HAZARDOUS WASTE, LIQUID, n.o.s., (K001, F034), 9, III, RQ	25	DM	7,500	P	F034 K001
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

ER Service Contracted by VESTS + Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf. + 1) ERG:171 W:657967 A:PTA657967L

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)	Month	Day	Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

PACKING SUMMARY

BL Accnt Id (Gen Num): 48145 (639076)
WISCONSIN DNR - MOSS-AMERICA CO
8715 GRANVILLE RD
MILWAUKEE, WI 53224
Attn:
EPA ID:WID039052626

Manifest Number: 001876597VES
Field System ID: Y2
Work Order Number: 3697390999
Date Shipped: 04/15/2021

Container#: Y2-3697390999-001 Waste Area: Manifest Page/Line: 01 / 1

WIP: 665129 DisposalCode: WAY K184530WDI PHY State: S

Date Accumulated: 04/15/2021 Gen Drum ID:

Shipping Name: NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (K001, F034), 9, III, RQ

No. of Commons: 08 4,200 6 Outer Container: 55A2-DM Inner Container:

Primary Waste Codes: F034,K001 PCB Serial #: OOS Date: / /

Total Cmne Wt: ~~3600~~ 4,200 SIC: 9999 Source: G43 Form: W409 System: H132 Cubic Ft.: 7.50

Individual Common Weights: ~~500, 500, 500, 500, 500, 500~~ 700 700 700 700 700 700 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		SOIL (REFERENCE WIP 87713 AND 164333) [100%]	F034, K001

Land Disposal Restriction Notification Form

Generator Name WISCONSIN DNR - MOSS-AMERICA CO

EPA ID Number WID039052626 Manifest 001876587VES

This notice is being provided in accordance with 40 CFR 268.7 to inform you that this shipment contains waste restricted from land disposal by the USEPA under the land disposal restriction program. Identified below for each container is the designation of the waste as a wastewater or non-wastewater, the Clean Water Act (CWA) permit status associated with the treatment/disposal facility, applicable waste codes and any corresponding subcategories, list of any F001-F005 solvent constituents that are present in the waste, and any underlying hazardous constituents (UHC) that are present.

Container Number: Y2-3697290999-001 (1/ 1)

WIP / Approval Code:	555128 / WAY K164530WDI
Form Designation / CWA Status:	Non-Wastewater / Non-CWA
Waste Codes (Subcategories):	F024, K001
Constituents (F001 - F005):	None
UHCs Present:	Not Applicable
Treatment Requirements:	Restricted waste requires treatment to applicable standards.
Additional Notices:	

I hearby certify that all information in this and associated land disposal restriction documents is complete and accurate to the best of my knowledge and information.

Signature [signature] on behalf of

Title EST Date 9/13/21

PACKING SUMMARY

SL Accnt Id (Gen Num): 48145 (639076)
WISCONSIN DNR - MOSS-AMERICA CO
5716 GRANVILLE RD
MILWAUKEE, WI 53224
Attn:
EPA ID:WID039052626

Manifest Number: 001876596VES
Field System ID: Y2
Work Order Number: 3697390000
Date Shipped: 04/15/2021

Container#: Y2-3697390000-002 Waste Area: Manifest Page/Line: 01 / 1

WP: 857957 DisposalCode: PTA857957L PHY State: L

Date Accumulated: 04/15/2021 Gen Drum ID:

Shipping Name: NA3082, HAZARDOUS WASTE, LIQUID, n.o.s., (K001, F034), 9, III, RQ

No. of Commons: 25 Outer Container: 55IA2-DM Inner Container:

Primary Waste Codes: F034,K001 PCB Serial #: OOS Date: / /

Total Cmns Wt: 10000 7,500 SIC: 9999 Source: G49 Form: W219 System: H040 Cubic Ft.: 7.50

Individual Common Weights: 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		WATER (100%)	F034, K001

Land Disposal Restriction Notification Form

Generator Name WISCONSIN DNR - MOSS-AMERICA CO

EPA ID Number WID039032826 Manifest 001876996VES

This notice is being provided in accordance with 40 CFR 268.7 to inform you that this shipment contains waste restricted from land disposal by the USEPA under the land disposal restriction program. Identified below for each container is the designation of the waste as a wastewater or non-wastewater, the Clean Water Act (CWA) permit status associated with the treatment/disposal facility, applicable waste codes and any corresponding subcategories, list of any F001-F005 solvent constituents that are present in the waste, and any underlying hazardous constituents (UHC) that are present.

Container Number: V2-[illegible] (1/ 1)

WIP / Approval Code:	887987 / PTA887987L
Form Designation / CWA Status:	Non-Wastewater / Non-CWA
Waste Codes (Subcategories):	F024, K001
Constituents (F001 - F005):	None
UHCs Present:	Not Applicable
Treatment Requirements:	Restricted waste requires treatment to applicable standards.
Additional Notices:	

I hereby certify that all information in this and associated land disposal restriction documents is complete and accurate to the best of my knowledge and information.

Signature [signature] on behalf of

Title ESI Date 7/13/21

Activity Report

JOB NO: 3697390000
BILL DOC NO: Y210400008
WO NO: 3697390000
EPA ID: WID039052626

BT Acnt ID (Cust#) 7134 (334640)
SL Acnt ID (Gen#): 48148 (639076)

BILL TO: WISC DEPT OF NATURAL RESOURCES
1155 PILGRIM RD
PLYMOUTH, WI 53073
(920) 893-8525

JOB SITE: WISCONSIN DNR - MOSS-AMERICA CO
8716 GRANVILLE RD
MILWAUKEE, WI 53224
(920) 893-8528

CONTACT: TOM WENTLAND (DNR)

CONTACT: TOM WENTLAND (DNR)

MANIFEST NUMBER(S):
001876596VES

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		04/16/2021	W38

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PO/LN	WASTE AREA
Manifest # 001876596VES WIP 657987 / Approval PTA657987L GROUNDWATER	35		7,500	P	1 / 1	

Total Hours: 0

Veolia ES Technical Solutions, L.L.C. is permitted for and has capacity to accept waste listed above in container quantities.

Activity Report

JOB NO: 3697300000 WO NO: 3697300000
BILL DOC NO: Y2104033098 EPA ID: WID039062628
BT Acnt ID (Cust#) 7134 (534940) SL Acnt ID (Cust#): 48148 (636076)

BILL TO: WISC DEPT OF NATURAL RESOURCES
1155 PILGRIM RD
PLYMOUTH, WI 53073
(920) 893-8528

JOB SITE: WISCONSIN DNR - MOSS-AMERICA CO
8716 GRANVILLE RD
MILWAUKEE, WI 53224
(920) 893-8528

CONTACT: TOM WENTLAND (DNR)

CONTACT: TOM WENTLAND (DNR)

MANIFEST NUMBER(S):
001876997VES

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR
		04/15/2021	W38

DESCRIPTION	# CONT.	CONT.CODE	QTY	UOM	PO/LN	WASTE AREA
Manifest # 001876997VES WIP 665128 / Approval WAY K164530WDI WOOD TREATMENT SOIL	6		1	P	1 / 1	

Total Hours: 0

Veolia ES Technical Solutions, L.L.C. is permitted for and has capacity to accept waste listed above in container quantities

Activity Report

JOB NO: 3697360000 WO NO: 3697360000
BILL DOC NO: Y2104033928 EPA ID: WID053052628
BT Acnt ID (Cust#) 7134 (534646) SL Acnt ID (Cust#): 48148 (539076)

BILL TO: WISC DEPT OF NATURAL RESOURCES
1155 PILGRIM RD
PLYMOUTH, WI 53073
(920) 893-8528

JOB SITE: WISCONSIN DNR - MOSS-AMERICA CO
8716 GRANVILLE RD
MILWAUKEE, WI 53224
(920) 893-8528

CONTACT: TOM WENTLAND (DNR)

CONTACT: TOM WENTLAND (DNR)

MANIFEST NUMBER(S):
Non-Disposals

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		04/15/2021	W38

DESCRIPTION	# CONT.	CONT./GOOS	QTY	UOM	PO/LN	WASTE AREA
04/09/2021 Manpwr.- PROJECT MANAGER		126	1@1	HOUR	/	
04/09/2021 Manpwr.- FIELD TECHNICIAN		3175	1@1	HOUR	/	
04/09/2021 Misc. - MOBILIZATION FEE 001-100 MILES		1168	1	EACH	/	
04/09/2021 Misc. - EPA E-MANIFEST FEE		6776	2	EACH	/	
04/09/2021 Mtrl. - 551A2 - 55 GAL OPEN HEAD (17H) METAL NEW		4	6	EACH	/	
Material provided for manifest 001876597VES						
04/09/2021 Mtrl. - 551A2 - 55 GAL OPEN HEAD (17H) METAL NEW		4	25	EACH	/	
Material provided for manifest 001876596VES					/	

Total Hours: 2

Veolia ES Technical Solutions, L.L.C. is permitted for and has capacity to accept waste listed above in container quantities.

Activity Report

JOB NO: 3697390000 WO NO: 3697390000

BILL DOC NO: Y210408999 EPA ID: WID039052626

BT Acnt ID (Cust#) 7134 (534840) SL Acnt ID (Gen#): 49145 (630076)

BILL TO: WISC DEPT OF NATURAL RESOURCES
1155 PILGRIM RD
PLYMOUTH, WI 53073
(920) 893-8525

JOB SITE: WISCONSIN DNR - MOSS-AMERICA CO
5716 GRANVILLE RD
MILWAUKEE, WI 53224
(920) 893-8529

CONTACT: TOM WENTLAND (DNR)

CONTACT: TOM WENTLAND (DNR)

MANIFEST NUMBER(S):
Non-Disposals

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		04/15/2021	W38

Comments:

Veolia appreciates your business! Your work today was led by Cailyn Sutrick (Environmental Specialist I) in conjunction with other Veolia team members. If you have any questions about today's service or would like to schedule your next pickup, please call the Veolia Menomonee Falls, WI Facility at 800-255-6092 or email Zach Davis at Zach.davis@veolia.com.

GOAL ZERO. LEADING SAFETY TOGETHER.

If you're interested in hearing the latest news about Veolia, sign up to receive our newsletter at:

http://www.veolianorthamerica.com/en/media/media/newsletters

Signature: [illegible] on behalf of

Print Name: Colin Barrington

Customer authorizes Contractor to make changes on Customer's behalf in regards to transporters used and to perform the Services, including adding or changing transporters listed on manifests. If Customer provides an approved transporter list in writing to Contractor at the time Customer executes this Agreement, Contractor shall select only those transporters on that list when providing transportation services to Customer. If Customer does not provide an approved transporter list in writing to Contractor at the time Customer executes this Agreement, Customer authorizes Contractor to select any permitted transporter to provide transportation services to Customer.

ATTACHMENT 4

PHOTOGRAPHS

Photo Page 1

Photo 1: Soil boring GP-102, depth interval 5-10' bgs. Well graded brown, gray, red, and black sand with some gravel. Photograph taken on March 1, 2021.

Photo 2: Soil boring GP-102, depth interval 5-10' bgs, close-up. Well graded brown, gray, red, and black sand with some gravel. Photograph taken on March 1, 2021.

Moss American
8716 N. Granville Road, Milwaukee, Wisconsin

Sigma Project Number: 18687

Photo Page 2

Photo 3: Soil boring GP-104, depth interval 10-15' bgs. Well graded brown, gray, red, and black sand with some gravel. Strong petroleum odor, dark staining, and free product from 12-13' bgs. Photograph taken on March 1, 2021.

Photo 4: Soil boring GP-111, depth interval 5-10' bgs. Brownish gray, well graded clayey gravel. Strong petroleum odor, dark staining, and free product from 7.5-10' bgs.. Photograph taken on March 2, 2021.

Moss American
8716 N. Granville Road, Milwaukee, Wisconsin

Sigma Project Number: 18687

ATTACHMENT 5

SOIL LABORATORY ANALYTICAL REPORT

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

STEVEN KIKKERT
THE SIGMA GROUP, INC.
1300 W. CANAL STREET
MILWAUKEE. WI 53233

Report Date *16-Mar-21*

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136A
Sample ID GP-100 8-10
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.4	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/5/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/5/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/5/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/5/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/5/2021	CJR	1
PAH SIM										
Acenaphthene	0.59	mg/kg	0.0132	0.051	1	M8270C	3/9/2021	3/10/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Anthracene	0.059	mg/kg	0.0073	0.028	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)anthracene	0.098	mg/kg	0.0158	0.061	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)pyrene	0.0303 "J"	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(b)fluoranthene	0.043	mg/kg	0.0099	0.038	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(k)fluoranthene	0.0216 "J"	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Chrysene	0.075	mg/kg	0.0124	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluoranthene	0.42	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluorene	0.307	mg/kg	0.0094	0.036	1	M8270C	3/9/2021	3/10/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
1-Methyl naphthalene	0.159	mg/kg	0.0101	0.039	1	M8270C	3/9/2021	3/10/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/9/2021	3/10/2021	NJC	1
Naphthalene	0.52	mg/kg	0.0096	0.037	1	M8270C	3/9/2021	3/10/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136A
Sample ID GP-100 8-10
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Phenanthrene	0.185	mg/kg	0.0077	0.03	1	M8270C	3/9/2021	3/10/2021	NJC	1
Pyrene	0.288	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1

Lab Code 5039136B
Sample ID GP-100 10-12
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.8	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/6/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/6/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/6/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/6/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/6/2021	CJR	1
PAH SIM										
Acenaphthene	0.69	mg/kg	0.0132	0.051	1	M8270C	3/9/2021	3/10/2021	NJC	1
Acenaphthylene	0.0151 "J"	mg/kg	0.0092	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Anthracene	0.106	mg/kg	0.0073	0.028	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)anthracene	0.315	mg/kg	0.0158	0.061	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)pyrene	0.111	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(b)fluoranthene	0.162	mg/kg	0.0099	0.038	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(g,h,i)perylene	0.037 "J"	mg/kg	0.0118	0.045	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(k)fluoranthene	0.056	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Chrysene	0.235	mg/kg	0.0124	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluoranthene	1.66	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluorene	0.143	mg/kg	0.0094	0.036	1	M8270C	3/9/2021	3/10/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.042 "J"	mg/kg	0.0126	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
1-Methyl naphthalene	0.069	mg/kg	0.0101	0.039	1	M8270C	3/9/2021	3/10/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/9/2021	3/10/2021	NJC	1
Naphthalene	0.45	mg/kg	0.0096	0.037	1	M8270C	3/9/2021	3/10/2021	NJC	1
Phenanthrene	0.0251 "J"	mg/kg	0.0077	0.03	1	M8270C	3/9/2021	3/10/2021	NJC	1
Pyrene	1.17	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136C
Sample ID GP-101 6-8
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.5	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/6/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/6/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/6/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/6/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/6/2021	CJR	1
PAH SIM										
Acenaphthene	0.54	mg/kg	0.0132	0.051	1	M8270C	3/9/2021	3/10/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Anthracene	0.079	mg/kg	0.0073	0.028	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluoranthene	0.0294 "J"	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluorene	0.56	mg/kg	0.0094	0.036	1	M8270C	3/9/2021	3/10/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
1-Methyl naphthalene	0.262	mg/kg	0.0101	0.039	1	M8270C	3/9/2021	3/10/2021	NJC	1
2-Methyl naphthalene	0.091	mg/kg	0.0138	0.053	1	M8270C	3/9/2021	3/10/2021	NJC	1
Naphthalene	0.58	mg/kg	0.0096	0.037	1	M8270C	3/9/2021	3/10/2021	NJC	1
Phenanthrene	0.72	mg/kg	0.0077	0.03	1	M8270C	3/9/2021	3/10/2021	NJC	1
Pyrene	0.0214 "J"	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136D
Sample ID GP-101 8-10
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.0	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/6/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/6/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/6/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/6/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/6/2021	CJR	1
PAH SIM										
Acenaphthene	0.45	mg/kg	0.0132	0.051	1	M8270C	3/9/2021	3/10/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Anthracene	0.116	mg/kg	0.0073	0.028	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluoranthene	0.11	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluorene	0.62	mg/kg	0.0094	0.036	1	M8270C	3/9/2021	3/10/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
1-Methyl naphthalene	0.199	mg/kg	0.0101	0.039	1	M8270C	3/9/2021	3/10/2021	NJC	1
2-Methyl naphthalene	0.146	mg/kg	0.0138	0.053	1	M8270C	3/9/2021	3/10/2021	NJC	1
Naphthalene	0.73	mg/kg	0.0096	0.037	1	M8270C	3/9/2021	3/10/2021	NJC	1
Phenanthrene	0.93	mg/kg	0.0077	0.03	1	M8270C	3/9/2021	3/10/2021	NJC	1
Pyrene	0.053	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136E
Sample ID GP-103 8-10
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.5	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/8/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/8/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/8/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/8/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/8/2021	CJR	1
PAH SIM										
Acenaphthene	0.36	mg/kg	0.0132	0.051	1	M8270C	3/9/2021	3/10/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Anthracene	0.0108 "J"	mg/kg	0.0073	0.028	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluoranthene	0.0313 "J"	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluorene	0.228	mg/kg	0.0094	0.036	1	M8270C	3/9/2021	3/10/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
1-Methyl naphthalene	0.058	mg/kg	0.0101	0.039	1	M8270C	3/9/2021	3/10/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/9/2021	3/10/2021	NJC	1
Naphthalene	0.191	mg/kg	0.0096	0.037	1	M8270C	3/9/2021	3/10/2021	NJC	1
Phenanthrene	< 0.0077	mg/kg	0.0077	0.03	1	M8270C	3/9/2021	3/10/2021	NJC	1
Pyrene	0.0222 "J"	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136F
Sample ID GP-103 10-12
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.3	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/6/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/6/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/6/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/6/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/6/2021	CJR	1
PAH SIM										
Acenaphthene	0.84	mg/kg	0.0132	0.051	1	M8270C	3/9/2021	3/10/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Anthracene	0.033	mg/kg	0.0073	0.028	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)anthracene	0.0252 "J"	mg/kg	0.0158	0.061	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(b)fluoranthene	0.0122 "J"	mg/kg	0.0099	0.038	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Chrysene	0.0175 "J"	mg/kg	0.0124	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluoranthene	0.12	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluorene	0.45	mg/kg	0.0094	0.036	1	M8270C	3/9/2021	3/10/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
1-Methyl naphthalene	0.07	mg/kg	0.0101	0.039	1	M8270C	3/9/2021	3/10/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/9/2021	3/10/2021	NJC	1
Naphthalene	0.33	mg/kg	0.0096	0.037	1	M8270C	3/9/2021	3/10/2021	NJC	1
Phenanthrene	0.0129 "J"	mg/kg	0.0077	0.03	1	M8270C	3/9/2021	3/10/2021	NJC	1
Pyrene	0.082	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136G
Sample ID GP-104 10-12
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.0	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/8/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/8/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/8/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/8/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/8/2021	CJR	1
PAH SIM										
Acenaphthene	0.94	mg/kg	0.0132	0.051	1	M8270C	3/9/2021	3/10/2021	NJC	1
Acenaphthylene	0.0156 "J"	mg/kg	0.0092	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Anthracene	0.251	mg/kg	0.0073	0.028	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)anthracene	0.141	mg/kg	0.0158	0.061	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)pyrene	0.043 "J"	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(b)fluoranthene	0.066	mg/kg	0.0099	0.038	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(g,h,i)perylene	0.012 "J"	mg/kg	0.0118	0.045	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(k)fluoranthene	0.0219 "J"	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Chrysene	0.121	mg/kg	0.0124	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluoranthene	0.75	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluorene	1.10	mg/kg	0.0094	0.036	1	M8270C	3/9/2021	3/10/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.0131 "J"	mg/kg	0.0126	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
1-Methyl naphthalene	0.37	mg/kg	0.0101	0.039	1	M8270C	3/9/2021	3/10/2021	NJC	1
2-Methyl naphthalene	0.247	mg/kg	0.0138	0.053	1	M8270C	3/9/2021	3/10/2021	NJC	1
Naphthalene	1.05	mg/kg	0.0096	0.037	1	M8270C	3/9/2021	3/10/2021	NJC	1
Phenanthrene	1.84	mg/kg	0.0077	0.03	1	M8270C	3/9/2021	3/10/2021	NJC	1
Pyrene	0.49	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136H
Sample ID GP-104 12-14
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.9	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 1.25	mg/kg	0.8	3.1	50	GRO95/8021		3/6/2021	CJR	49
Ethylbenzene	1.38 "J"	mg/kg	0.75	2.95	50	GRO95/8021		3/6/2021	CJR	49
Toluene	< 1.25	mg/kg	0.8	3.05	50	GRO95/8021		3/6/2021	CJR	49
m&p-Xylene	< 2.5	mg/kg	1.95	7.5	50	GRO95/8021		3/6/2021	CJR	49
o-Xylene	2.21 "J"	mg/kg	0.7	2.75	50	GRO95/8021		3/6/2021	CJR	49
PAH SIM										
Acenaphthene	100	mg/kg	0.66	2.55	50	M8270C	3/9/2021	3/12/2021	NJC	1
Acenaphthylene	1.59 "J"	mg/kg	0.46	1.75	50	M8270C	3/9/2021	3/12/2021	NJC	1
Anthracene	32.0	mg/kg	0.365	1.4	50	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(a)anthracene	18.7	mg/kg	0.79	3.05	50	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(a)pyrene	5.40	mg/kg	0.71	2.75	50	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(b)fluoranthene	8.40	mg/kg	0.495	1.9	50	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(g,h,i)perylene	1.38 "J"	mg/kg	0.59	2.25	50	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(k)fluoranthene	3.15	mg/kg	0.455	1.75	50	M8270C	3/9/2021	3/12/2021	NJC	1
Chrysene	16.5	mg/kg	0.62	2.4	50	M8270C	3/9/2021	3/12/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.71	mg/kg	0.71	2.75	50	M8270C	3/9/2021	3/12/2021	NJC	1
Fluoranthene	117	mg/kg	0.455	1.75	50	M8270C	3/9/2021	3/12/2021	NJC	1
Fluorene	87.0	mg/kg	0.47	1.8	50	M8270C	3/9/2021	3/12/2021	NJC	1
Indeno(1,2,3-cd)pyrene	1.63 "J"	mg/kg	0.63	2.4	50	M8270C	3/9/2021	3/12/2021	NJC	1
1-Methyl naphthalene	43.0	mg/kg	0.505	1.95	50	M8270C	3/9/2021	3/12/2021	NJC	1
2-Methyl naphthalene	72.0	mg/kg	0.69	2.65	50	M8270C	3/9/2021	3/12/2021	NJC	1
Naphthalene	186	mg/kg	0.48	1.85	50	M8270C	3/9/2021	3/12/2021	NJC	1
Phenanthrene	234	mg/kg	0.385	1.5	50	M8270C	3/9/2021	3/12/2021	NJC	1
Pyrene	80.0	mg/kg	0.455	1.75	50	M8270C	3/9/2021	3/12/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136I
Sample ID GP-105 6-8
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.4	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/8/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/8/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/8/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/8/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/8/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0132	mg/kg	0.0132	0.051	1	M8270C	3/9/2021	3/10/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Anthracene	< 0.0073	mg/kg	0.0073	0.028	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluorene	< 0.0094	mg/kg	0.0094	0.036	1	M8270C	3/9/2021	3/10/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
1-Methyl naphthalene	< 0.0101	mg/kg	0.0101	0.039	1	M8270C	3/9/2021	3/10/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/9/2021	3/10/2021	NJC	1
Naphthalene	< 0.0096	mg/kg	0.0096	0.037	1	M8270C	3/9/2021	3/10/2021	NJC	1
Phenanthrene	0.0152 "J"	mg/kg	0.0077	0.03	1	M8270C	3/9/2021	3/10/2021	NJC	1
Pyrene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136J
Sample ID GP-105 8-10
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.3	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/6/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/6/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/6/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/6/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/6/2021	CJR	1
PAH SIM										
Acenaphthene	0.154	mg/kg	0.0132	0.051	1	M8270C	3/9/2021	3/10/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Anthracene	< 0.0073	mg/kg	0.0073	0.028	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/9/2021	3/10/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluoranthene	0.094	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1
Fluorene	0.086	mg/kg	0.0094	0.036	1	M8270C	3/9/2021	3/10/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/9/2021	3/10/2021	NJC	1
1-Methyl naphthalene	< 0.0101	mg/kg	0.0101	0.039	1	M8270C	3/9/2021	3/10/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/9/2021	3/10/2021	NJC	1
Naphthalene	0.0302 "J"	mg/kg	0.0096	0.037	1	M8270C	3/9/2021	3/10/2021	NJC	1
Phenanthrene	0.0082 "J"	mg/kg	0.0077	0.03	1	M8270C	3/9/2021	3/10/2021	NJC	1
Pyrene	0.065	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/10/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136K
Sample ID GP-106 8-10
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.3	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 1.25	mg/kg	0.8	3.1	50	GRO95/8021		3/9/2021	CJR	1
Ethylbenzene	2.26 "J"	mg/kg	0.75	2.95	50	GRO95/8021		3/9/2021	CJR	1
Toluene	< 1.25	mg/kg	0.8	3.05	50	GRO95/8021		3/9/2021	CJR	1
m&p-Xylene	< 2.5	mg/kg	1.95	7.5	50	GRO95/8021		3/9/2021	CJR	1
o-Xylene	1.53 "J"	mg/kg	0.7	2.75	50	GRO95/8021		3/9/2021	CJR	1
PAH SIM										
Acenaphthene	330	mg/kg	2.64	10.2	200	M8270C	3/9/2021	3/12/2021	NJC	1
Acenaphthylene	4.40 "J"	mg/kg	1.84	7	200	M8270C	3/9/2021	3/12/2021	NJC	1
Anthracene	90.0	mg/kg	1.46	5.6	200	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(a)anthracene	54.0	mg/kg	3.16	12.2	200	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(a)pyrene	14.7	mg/kg	2.84	11	200	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(b)fluoranthene	21.8	mg/kg	1.98	7.6	200	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(g,h,i)perylene	3.30 "J"	mg/kg	2.36	9	200	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(k)fluoranthene	9.80	mg/kg	1.82	7	200	M8270C	3/9/2021	3/12/2021	NJC	1
Chrysene	46.0	mg/kg	2.48	9.6	200	M8270C	3/9/2021	3/12/2021	NJC	1
Dibenzo(a,h)anthracene	< 2.84	mg/kg	2.84	11	200	M8270C	3/9/2021	3/12/2021	NJC	1
Fluoranthene	350	mg/kg	1.82	7	200	M8270C	3/9/2021	3/12/2021	NJC	1
Fluorene	272	mg/kg	1.88	7.2	200	M8270C	3/9/2021	3/12/2021	NJC	1
Indeno(1,2,3-cd)pyrene	3.60 "J"	mg/kg	2.52	9.6	200	M8270C	3/9/2021	3/12/2021	NJC	1
1-Methyl naphthalene	145	mg/kg	2.02	7.8	200	M8270C	3/9/2021	3/12/2021	NJC	1
2-Methyl naphthalene	261	mg/kg	2.76	10.6	200	M8270C	3/9/2021	3/12/2021	NJC	1
Naphthalene	610	mg/kg	1.92	7.4	200	M8270C	3/9/2021	3/12/2021	NJC	1
Phenanthrene	700	mg/kg	1.54	6	200	M8270C	3/9/2021	3/12/2021	NJC	1
Pyrene	235	mg/kg	1.82	7	200	M8270C	3/9/2021	3/12/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136L
Sample ID GP-106 10-12
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.2	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/9/2021	CJR	1
Ethylbenzene	0.103	mg/kg	0.015	0.059	1	GRO95/8021		3/9/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/9/2021	CJR	1
m&p-Xylene	0.126 "J"	mg/kg	0.039	0.15	1	GRO95/8021		3/9/2021	CJR	1
o-Xylene	0.069	mg/kg	0.014	0.055	1	GRO95/8021		3/9/2021	CJR	1
PAH SIM										
Acenaphthene	14.0	mg/kg	0.132	0.51	10	M8270C	3/9/2021	3/12/2021	NJC	1
Acenaphthylene	0.185 "J"	mg/kg	0.092	0.35	10	M8270C	3/9/2021	3/12/2021	NJC	1
Anthracene	4.30	mg/kg	0.073	0.28	10	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(a)anthracene	2.29	mg/kg	0.158	0.61	10	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(a)pyrene	0.60	mg/kg	0.142	0.55	10	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(b)fluoranthene	0.93	mg/kg	0.099	0.38	10	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(g,h,i)perylene	0.146 "J"	mg/kg	0.118	0.45	10	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(k)fluoranthene	0.37	mg/kg	0.091	0.35	10	M8270C	3/9/2021	3/12/2021	NJC	1
Chrysene	1.96	mg/kg	0.124	0.48	10	M8270C	3/9/2021	3/12/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.142	mg/kg	0.142	0.55	10	M8270C	3/9/2021	3/12/2021	NJC	1
Fluoranthene	14.6	mg/kg	0.091	0.35	10	M8270C	3/9/2021	3/12/2021	NJC	1
Fluorene	12.3	mg/kg	0.094	0.36	10	M8270C	3/9/2021	3/12/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.157 "J"	mg/kg	0.126	0.48	10	M8270C	3/9/2021	3/12/2021	NJC	1
1-Methyl naphthalene	6.10	mg/kg	0.101	0.39	10	M8270C	3/9/2021	3/12/2021	NJC	1
2-Methyl naphthalene	10.5	mg/kg	0.138	0.53	10	M8270C	3/9/2021	3/12/2021	NJC	1
Naphthalene	25.1	mg/kg	0.096	0.37	10	M8270C	3/9/2021	3/12/2021	NJC	1
Phenanthrene	30.3	mg/kg	0.077	0.3	10	M8270C	3/9/2021	3/12/2021	NJC	1
Pyrene	10.0	mg/kg	0.091	0.35	10	M8270C	3/9/2021	3/12/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136M
Sample ID GP-107 8-10
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.5	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.5	mg/kg	0.32	1.24	20	GRO95/8021		3/9/2021	CJR	1
Ethylbenzene	1.57	mg/kg	0.3	1.18	20	GRO95/8021		3/9/2021	CJR	1
Toluene	< 0.5	mg/kg	0.32	1.22	20	GRO95/8021		3/9/2021	CJR	1
m&p-Xylene	1.63 "J"	mg/kg	0.78	3	20	GRO95/8021		3/9/2021	CJR	1
o-Xylene	1.58	mg/kg	0.28	1.1	20	GRO95/8021		3/9/2021	CJR	1
PAH SIM										
Acenaphthene	380	mg/kg	2.64	10.2	200	M8270C	3/9/2021	3/12/2021	NJC	1
Acenaphthylene	4.50 "J"	mg/kg	1.84	7	200	M8270C	3/9/2021	3/12/2021	NJC	1
Anthracene	140	mg/kg	1.46	5.6	200	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(a)anthracene	58.0	mg/kg	3.16	12.2	200	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(a)pyrene	16.0	mg/kg	2.84	11	200	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(b)fluoranthene	24.7	mg/kg	1.98	7.6	200	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(g,h,i)perylene	3.60 "J"	mg/kg	2.36	9	200	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(k)fluoranthene	11.5	mg/kg	1.82	7	200	M8270C	3/9/2021	3/12/2021	NJC	1
Chrysene	51.0	mg/kg	2.48	9.6	200	M8270C	3/9/2021	3/12/2021	NJC	1
Dibenzo(a,h)anthracene	< 2.84	mg/kg	2.84	11	200	M8270C	3/9/2021	3/12/2021	NJC	1
Fluoranthene	380	mg/kg	1.82	7	200	M8270C	3/9/2021	3/12/2021	NJC	1
Fluorene	308	mg/kg	1.88	7.2	200	M8270C	3/9/2021	3/12/2021	NJC	1
Indeno(1,2,3-cd)pyrene	3.90 "J"	mg/kg	2.52	9.6	200	M8270C	3/9/2021	3/12/2021	NJC	1
1-Methyl naphthalene	160	mg/kg	2.02	7.8	200	M8270C	3/9/2021	3/12/2021	NJC	1
2-Methyl naphthalene	284	mg/kg	2.76	10.6	200	M8270C	3/9/2021	3/12/2021	NJC	1
Naphthalene	620	mg/kg	1.92	7.4	200	M8270C	3/9/2021	3/12/2021	NJC	1
Phenanthrene	770	mg/kg	1.54	6	200	M8270C	3/9/2021	3/12/2021	NJC	1
Pyrene	258	mg/kg	1.82	7	200	M8270C	3/9/2021	3/12/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136N
Sample ID GP-107 10-12
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	80.5	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/9/2021	CJR	1
Ethylbenzene	0.309	mg/kg	0.015	0.059	1	GRO95/8021		3/9/2021	CJR	1
Toluene	0.040 "J"	mg/kg	0.016	0.061	1	GRO95/8021		3/9/2021	CJR	1
m&p-Xylene	0.40	mg/kg	0.039	0.15	1	GRO95/8021		3/9/2021	CJR	1
o-Xylene	0.188	mg/kg	0.014	0.055	1	GRO95/8021		3/9/2021	CJR	1
PAH SIM										
Acenaphthene	28.8	mg/kg	0.264	1.02	20	M8270C	3/9/2021	3/12/2021	NJC	1
Acenaphthylene	0.37 "J"	mg/kg	0.184	0.7	20	M8270C	3/9/2021	3/12/2021	NJC	1
Anthracene	8.00	mg/kg	0.146	0.56	20	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(a)anthracene	4.20	mg/kg	0.316	1.22	20	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(a)pyrene	1.12	mg/kg	0.284	1.1	20	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(b)fluoranthene	1.57	mg/kg	0.198	0.76	20	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(g,h,i)perylene	0.244 "J"	mg/kg	0.236	0.9	20	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(k)fluoranthene	0.91	mg/kg	0.182	0.7	20	M8270C	3/9/2021	3/12/2021	NJC	1
Chrysene	3.70	mg/kg	0.248	0.96	20	M8270C	3/9/2021	3/12/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.284	mg/kg	0.284	1.1	20	M8270C	3/9/2021	3/12/2021	NJC	1
Fluoranthene	27.3	mg/kg	0.182	0.7	20	M8270C	3/9/2021	3/12/2021	NJC	1
Fluorene	23.8	mg/kg	0.188	0.72	20	M8270C	3/9/2021	3/12/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.269 "J"	mg/kg	0.252	0.96	20	M8270C	3/9/2021	3/12/2021	NJC	1
1-Methyl naphthalene	13.3	mg/kg	0.202	0.78	20	M8270C	3/9/2021	3/12/2021	NJC	1
2-Methyl naphthalene	24.2	mg/kg	0.276	1.06	20	M8270C	3/9/2021	3/12/2021	NJC	1
Naphthalene	65.0	mg/kg	0.192	0.74	20	M8270C	3/9/2021	3/12/2021	NJC	1
Phenanthrene	56.0	mg/kg	0.154	0.6	20	M8270C	3/9/2021	3/12/2021	NJC	1
Pyrene	18.7	mg/kg	0.182	0.7	20	M8270C	3/9/2021	3/12/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136O
Sample ID GP-108 8-10
Sample Matrix Soil
Sample Date 3/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	76.4	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/8/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/8/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/8/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/8/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/8/2021	CJR	1
PAH SIM										
Acenaphthene	0.88	mg/kg	0.0132	0.051	1	M8270C	3/9/2021	3/11/2021	NJC	1
Acenaphthylene	0.0131 "J"	mg/kg	0.0092	0.035	1	M8270C	3/9/2021	3/11/2021	NJC	1
Anthracene	0.34	mg/kg	0.0073	0.028	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(a)anthracene	0.16	mg/kg	0.0158	0.061	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(a)pyrene	0.047 "J"	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	0.072	mg/kg	0.0099	0.038	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	0.0133 "J"	mg/kg	0.0118	0.045	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	0.032 "J"	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/11/2021	NJC	1
Chrysene	0.129	mg/kg	0.0124	0.048	1	M8270C	3/9/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/11/2021	NJC	1
Fluoranthene	0.96	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/11/2021	NJC	1
Fluorene	0.72	mg/kg	0.0094	0.036	1	M8270C	3/9/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.0137 "J"	mg/kg	0.0126	0.048	1	M8270C	3/9/2021	3/11/2021	NJC	1
1-Methyl naphthalene	0.33	mg/kg	0.0101	0.039	1	M8270C	3/9/2021	3/11/2021	NJC	1
2-Methyl naphthalene	0.61	mg/kg	0.0138	0.053	1	M8270C	3/9/2021	3/11/2021	NJC	1
Naphthalene	0.218	mg/kg	0.0096	0.037	1	M8270C	3/9/2021	3/11/2021	NJC	1
Phenanthrene	2.01	mg/kg	0.0077	0.03	1	M8270C	3/9/2021	3/11/2021	NJC	1
Pyrene	0.67	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136P
Sample ID GP-109 8-10
Sample Matrix Soil
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.5	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/8/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/8/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/8/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/8/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/8/2021	CJR	1
PAH SIM										
Acenaphthene	0.263	mg/kg	0.0132	0.051	1	M8270C	3/9/2021	3/11/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/9/2021	3/11/2021	NJC	1
Anthracene	< 0.0073	mg/kg	0.0073	0.028	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/9/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/11/2021	NJC	1
Fluoranthene	0.0239 "J"	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/11/2021	NJC	1
Fluorene	0.083	mg/kg	0.0094	0.036	1	M8270C	3/9/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/9/2021	3/11/2021	NJC	1
1-Methyl naphthalene	< 0.0101	mg/kg	0.0101	0.039	1	M8270C	3/9/2021	3/11/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/9/2021	3/11/2021	NJC	1
Naphthalene	0.0297 "J"	mg/kg	0.0096	0.037	1	M8270C	3/9/2021	3/11/2021	NJC	1
Phenanthrene	0.0103 "J"	mg/kg	0.0077	0.03	1	M8270C	3/9/2021	3/11/2021	NJC	1
Pyrene	0.0123 "J"	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136Q
Sample ID GP-110 8-10
Sample Matrix Soil
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.7	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/8/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/8/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/8/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/8/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/8/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0132	mg/kg	0.0132	0.051	1	M8270C	3/9/2021	3/11/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/9/2021	3/11/2021	NJC	1
Anthracene	< 0.0073	mg/kg	0.0073	0.028	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/9/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/9/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/9/2021	3/11/2021	NJC	1
Fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/11/2021	NJC	1
Fluorene	< 0.0094	mg/kg	0.0094	0.036	1	M8270C	3/9/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/9/2021	3/11/2021	NJC	1
1-Methyl naphthalene	< 0.0101	mg/kg	0.0101	0.039	1	M8270C	3/9/2021	3/11/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/9/2021	3/11/2021	NJC	1
Naphthalene	0.046	mg/kg	0.0096	0.037	1	M8270C	3/9/2021	3/11/2021	NJC	1
Phenanthrene	0.0093 "J"	mg/kg	0.0077	0.03	1	M8270C	3/9/2021	3/11/2021	NJC	1
Pyrene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/9/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136R
Sample ID GP-111 8-10
Sample Matrix Soil
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.0	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 1.25	mg/kg	0.8	3.1	50	GRO95/8021		3/9/2021	CJR	1
Ethylbenzene	8.0	mg/kg	0.75	2.95	50	GRO95/8021		3/9/2021	CJR	1
Toluene	1.68 "J"	mg/kg	0.8	3.05	50	GRO95/8021		3/9/2021	CJR	1
m&p-Xylene	8.2	mg/kg	1.95	7.5	50	GRO95/8021		3/9/2021	CJR	1
o-Xylene	5.6	mg/kg	0.7	2.75	50	GRO95/8021		3/9/2021	CJR	1
PAH SIM										
Acenaphthene	880	mg/kg	6.6	25.5	500	M8270C	3/9/2021	3/12/2021	NJC	1
Acenaphthylene	8.90 "J"	mg/kg	4.6	17.5	500	M8270C	3/9/2021	3/12/2021	NJC	1
Anthracene	217	mg/kg	3.65	14	500	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(a)anthracene	116	mg/kg	7.9	30.5	500	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(a)pyrene	32.0	mg/kg	7.1	27.5	500	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(b)fluoranthene	50.0	mg/kg	4.95	19	500	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(g,h,i)perylene	6.70 "J"	mg/kg	5.9	22.5	500	M8270C	3/9/2021	3/12/2021	NJC	1
Benzo(k)fluoranthene	17.8	mg/kg	4.55	17.5	500	M8270C	3/9/2021	3/12/2021	NJC	1
Chrysene	103	mg/kg	6.2	24	500	M8270C	3/9/2021	3/12/2021	NJC	1
Dibenzo(a,h)anthracene	< 7.10	mg/kg	7.1	27.5	500	M8270C	3/9/2021	3/12/2021	NJC	1
Fluoranthene	760	mg/kg	4.55	17.5	500	M8270C	3/9/2021	3/12/2021	NJC	1
Fluorene	650	mg/kg	4.7	18	500	M8270C	3/9/2021	3/12/2021	NJC	1
Indeno(1,2,3-cd)pyrene	7.90 "J"	mg/kg	6.3	24	500	M8270C	3/9/2021	3/12/2021	NJC	1
1-Methyl naphthalene	320	mg/kg	5.05	19.5	500	M8270C	3/9/2021	3/12/2021	NJC	1
2-Methyl naphthalene	600	mg/kg	6.9	26.5	500	M8270C	3/9/2021	3/12/2021	NJC	1
Naphthalene	1230	mg/kg	4.8	18.5	500	M8270C	3/9/2021	3/12/2021	NJC	1
Phenanthrene	1520	mg/kg	3.85	15	500	M8270C	3/9/2021	3/12/2021	NJC	1
Pyrene	520	mg/kg	4.55	17.5	500	M8270C	3/9/2021	3/12/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136S
Sample ID GP-111 10-12
Sample Matrix Soil
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.6	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.5	mg/kg	0.32	1.24	20	GRO95/8021		3/9/2021	CJR	1
Ethylbenzene	1.06 "J"	mg/kg	0.3	1.18	20	GRO95/8021		3/9/2021	CJR	1
Toluene	< 0.5	mg/kg	0.32	1.22	20	GRO95/8021		3/9/2021	CJR	1
m&p-Xylene	1.08 "J"	mg/kg	0.78	3	20	GRO95/8021		3/9/2021	CJR	1
o-Xylene	0.72 "J"	mg/kg	0.28	1.1	20	GRO95/8021		3/9/2021	CJR	1
PAH SIM										
Acenaphthene	181	mg/kg	1.32	5.1	100	M8270C	3/10/2021	3/12/2021	NJC	1
Acenaphthylene	1.97 "J"	mg/kg	0.92	3.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Anthracene	49.0	mg/kg	0.73	2.8	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(a)anthracene	23.7	mg/kg	1.58	6.1	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(a)pyrene	6.60	mg/kg	1.42	5.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(b)fluoranthene	9.40	mg/kg	0.99	3.8	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(g,h,i)perylene	1.42 "J"	mg/kg	1.18	4.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(k)fluoranthene	4.70	mg/kg	0.91	3.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Chrysene	22.2	mg/kg	1.24	4.8	100	M8270C	3/10/2021	3/12/2021	NJC	1
Dibenzo(a,h)anthracene	< 1.42	mg/kg	1.42	5.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Fluoranthene	158	mg/kg	0.91	3.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Fluorene	137	mg/kg	0.94	3.6	100	M8270C	3/10/2021	3/12/2021	NJC	1
Indeno(1,2,3-cd)pyrene	1.76 "J"	mg/kg	1.26	4.8	100	M8270C	3/10/2021	3/12/2021	NJC	1
1-Methyl naphthalene	71.0	mg/kg	1.01	3.9	100	M8270C	3/10/2021	3/12/2021	NJC	1
2-Methyl naphthalene	125	mg/kg	1.38	5.3	100	M8270C	3/10/2021	3/12/2021	NJC	1
Naphthalene	276	mg/kg	0.96	3.7	100	M8270C	3/10/2021	3/12/2021	NJC	1
Phenanthrene	320	mg/kg	0.77	3	100	M8270C	3/10/2021	3/12/2021	NJC	1
Pyrene	108	mg/kg	0.91	3.5	100	M8270C	3/10/2021	3/12/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136T
Sample ID GP-112 8-10
Sample Matrix Soil
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.9	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/8/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/8/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/8/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/8/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/8/2021	CJR	1
PAH SIM										
Acenaphthene	2.07	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	0.0241 "J"	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	0.39	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	0.104	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	1.87	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	0.55	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	0.36	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	1.18	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	5
Phenanthrene	3.40	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	0.044	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136U
Sample ID GP-113 6-8
Sample Matrix Soil
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.9	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.5	mg/kg	0.32	1.24	20	GRO95/8021		3/9/2021	CJR	1
Ethylbenzene	1.36	mg/kg	0.3	1.18	20	GRO95/8021		3/9/2021	CJR	1
Toluene	< 0.5	mg/kg	0.32	1.22	20	GRO95/8021		3/9/2021	CJR	1
m&p-Xylene	1.14 "J"	mg/kg	0.78	3	20	GRO95/8021		3/9/2021	CJR	1
o-Xylene	0.84 "J"	mg/kg	0.28	1.1	20	GRO95/8021		3/9/2021	CJR	1
PAH SIM										
Acenaphthene	197	mg/kg	1.32	5.1	100	M8270C	3/10/2021	3/12/2021	NJC	1
Acenaphthylene	1.94 "J"	mg/kg	0.92	3.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Anthracene	117	mg/kg	0.73	2.8	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(a)anthracene	26.2	mg/kg	1.58	6.1	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(a)pyrene	7.40	mg/kg	1.42	5.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(b)fluoranthene	11.3	mg/kg	0.99	3.8	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(g,h,i)perylene	1.54 "J"	mg/kg	1.18	4.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(k)fluoranthene	4.50	mg/kg	0.91	3.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Chrysene	25.4	mg/kg	1.24	4.8	100	M8270C	3/10/2021	3/12/2021	NJC	1
Dibenzo(a,h)anthracene	< 1.42	mg/kg	1.42	5.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Fluoranthene	177	mg/kg	0.91	3.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Fluorene	163	mg/kg	0.94	3.6	100	M8270C	3/10/2021	3/12/2021	NJC	1
Indeno(1,2,3-cd)pyrene	1.78 "J"	mg/kg	1.26	4.8	100	M8270C	3/10/2021	3/12/2021	NJC	1
1-Methyl naphthalene	69.0	mg/kg	1.01	3.9	100	M8270C	3/10/2021	3/12/2021	NJC	1
2-Methyl naphthalene	89.0	mg/kg	1.38	5.3	100	M8270C	3/10/2021	3/12/2021	NJC	1
Naphthalene	192	mg/kg	0.96	3.7	100	M8270C	3/10/2021	3/12/2021	NJC	1
Phenanthrene	370	mg/kg	0.77	3	100	M8270C	3/10/2021	3/12/2021	NJC	1
Pyrene	120	mg/kg	0.91	3.5	100	M8270C	3/10/2021	3/12/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136V
Sample ID GP-113 8-10
Sample Matrix Soil
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.0	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.5	mg/kg	0.32	1.24	20	GRO95/8021		3/9/2021	CJR	1
Ethylbenzene	2.8	mg/kg	0.3	1.18	20	GRO95/8021		3/9/2021	CJR	1
Toluene	0.54 "J"	mg/kg	0.32	1.22	20	GRO95/8021		3/9/2021	CJR	1
m&p-Xylene	2.43 "J"	mg/kg	0.78	3	20	GRO95/8021		3/9/2021	CJR	1
o-Xylene	1.41	mg/kg	0.28	1.1	20	GRO95/8021		3/9/2021	CJR	1
PAH SIM										
Acenaphthene	10.3	mg/kg	0.132	0.51	10	M8270C	3/10/2021	3/12/2021	NJC	1
Acenaphthylene	0.123 "J"	mg/kg	0.092	0.35	10	M8270C	3/10/2021	3/12/2021	NJC	1
Anthracene	2.69	mg/kg	0.073	0.28	10	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(a)anthracene	1.36	mg/kg	0.158	0.61	10	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(a)pyrene	0.35 "J"	mg/kg	0.142	0.55	10	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(b)fluoranthene	0.56	mg/kg	0.099	0.38	10	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(g,h,i)perylene	< 0.118	mg/kg	0.118	0.45	10	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(k)fluoranthene	0.252 "J"	mg/kg	0.091	0.35	10	M8270C	3/10/2021	3/12/2021	NJC	1
Chrysene	1.21	mg/kg	0.124	0.48	10	M8270C	3/10/2021	3/12/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.142	mg/kg	0.142	0.55	10	M8270C	3/10/2021	3/12/2021	NJC	1
Fluoranthene	8.90	mg/kg	0.091	0.35	10	M8270C	3/10/2021	3/12/2021	NJC	1
Fluorene	7.70	mg/kg	0.094	0.36	10	M8270C	3/10/2021	3/12/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.126	mg/kg	0.126	0.48	10	M8270C	3/10/2021	3/12/2021	NJC	1
1-Methyl naphthalene	4.80	mg/kg	0.101	0.39	10	M8270C	3/10/2021	3/12/2021	NJC	1
2-Methyl naphthalene	8.20	mg/kg	0.138	0.53	10	M8270C	3/10/2021	3/12/2021	NJC	1
Naphthalene	28.7	mg/kg	0.096	0.37	10	M8270C	3/10/2021	3/12/2021	NJC	1
Phenanthrene	18.2	mg/kg	0.077	0.3	10	M8270C	3/10/2021	3/12/2021	NJC	1
Pyrene	6.10	mg/kg	0.091	0.35	10	M8270C	3/10/2021	3/12/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136W
Sample ID GP-114 8-10
Sample Matrix Soil
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.4	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.5	mg/kg	0.32	1.24	20	GRO95/8021		3/9/2021	CJR	1
Ethylbenzene	1.39	mg/kg	0.3	1.18	20	GRO95/8021		3/9/2021	CJR	1
Toluene	< 0.5	mg/kg	0.32	1.22	20	GRO95/8021		3/9/2021	CJR	1
m&p-Xylene	1.23 "J"	mg/kg	0.78	3	20	GRO95/8021		3/9/2021	CJR	1
o-Xylene	0.86 "J"	mg/kg	0.28	1.1	20	GRO95/8021		3/9/2021	CJR	1
PAH SIM										
Acenaphthene	224	mg/kg	1.32	5.1	100	M8270C	3/10/2021	3/12/2021	NJC	1
Acenaphthylene	2.36 "J"	mg/kg	0.92	3.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Anthracene	65.0	mg/kg	0.73	2.8	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(a)anthracene	29.8	mg/kg	1.58	6.1	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(a)pyrene	8.40	mg/kg	1.42	5.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(b)fluoranthene	13.0	mg/kg	0.99	3.8	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(g,h,i)perylene	1.81 "J"	mg/kg	1.18	4.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(k)fluoranthene	5.40	mg/kg	0.91	3.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Chrysene	28.1	mg/kg	1.24	4.8	100	M8270C	3/10/2021	3/12/2021	NJC	1
Dibenzo(a,h)anthracene	< 1.42	mg/kg	1.42	5.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Fluoranthene	201	mg/kg	0.91	3.5	100	M8270C	3/10/2021	3/12/2021	NJC	1
Fluorene	172	mg/kg	0.94	3.6	100	M8270C	3/10/2021	3/12/2021	NJC	1
Indeno(1,2,3-cd)pyrene	2.03 "J"	mg/kg	1.26	4.8	100	M8270C	3/10/2021	3/12/2021	NJC	1
1-Methyl naphthalene	88.0	mg/kg	1.01	3.9	100	M8270C	3/10/2021	3/12/2021	NJC	1
2-Methyl naphthalene	141	mg/kg	1.38	5.3	100	M8270C	3/10/2021	3/12/2021	NJC	1
Naphthalene	330	mg/kg	0.96	3.7	100	M8270C	3/10/2021	3/12/2021	NJC	1
Phenanthrene	410	mg/kg	0.77	3	100	M8270C	3/10/2021	3/12/2021	NJC	1
Pyrene	137	mg/kg	0.91	3.5	100	M8270C	3/10/2021	3/12/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136X
Sample ID GP-114 10-12
Sample Matrix Soil
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.3	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/8/2021	CJR	1
Ethylbenzene	0.047 "J"	mg/kg	0.015	0.059	1	GRO95/8021		3/8/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/8/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/8/2021	CJR	1
o-Xylene	0.035 "J"	mg/kg	0.014	0.055	1	GRO95/8021		3/8/2021	CJR	1
PAH SIM										
Acenaphthene	41.0	mg/kg	0.264	1.02	20	M8270C	3/10/2021	3/12/2021	NJC	1
Acenaphthylene	0.44 "J"	mg/kg	0.184	0.7	20	M8270C	3/10/2021	3/12/2021	NJC	1
Anthracene	12.5	mg/kg	0.146	0.56	20	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(a)anthracene	5.50	mg/kg	0.316	1.22	20	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(a)pyrene	1.59	mg/kg	0.284	1.1	20	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(b)fluoranthene	2.40	mg/kg	0.198	0.76	20	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(g,h,i)perylene	0.33 "J"	mg/kg	0.236	0.9	20	M8270C	3/10/2021	3/12/2021	NJC	1
Benzo(k)fluoranthene	1.11	mg/kg	0.182	0.7	20	M8270C	3/10/2021	3/12/2021	NJC	1
Chrysene	5.30	mg/kg	0.248	0.96	20	M8270C	3/10/2021	3/12/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.284	mg/kg	0.284	1.1	20	M8270C	3/10/2021	3/12/2021	NJC	1
Fluoranthene	38.0	mg/kg	0.182	0.7	20	M8270C	3/10/2021	3/12/2021	NJC	1
Fluorene	32.0	mg/kg	0.188	0.72	20	M8270C	3/10/2021	3/12/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.38 "J"	mg/kg	0.252	0.96	20	M8270C	3/10/2021	3/12/2021	NJC	1
1-Methyl naphthalene	15.9	mg/kg	0.202	0.78	20	M8270C	3/10/2021	3/12/2021	NJC	1
2-Methyl naphthalene	23.5	mg/kg	0.276	1.06	20	M8270C	3/10/2021	3/12/2021	NJC	1
Naphthalene	58.0	mg/kg	0.192	0.74	20	M8270C	3/10/2021	3/12/2021	NJC	1
Phenanthrene	78.0	mg/kg	0.154	0.6	20	M8270C	3/10/2021	3/12/2021	NJC	1
Pyrene	25.8	mg/kg	0.182	0.7	20	M8270C	3/10/2021	3/12/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136Y
Sample ID GP-115 8-10
Sample Matrix Soil
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.0	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/8/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/8/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/8/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/8/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/8/2021	CJR	1
PAH SIM										
Acenaphthene	2.18	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	0.0242 "J"	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	0.62	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	0.45	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	2.03	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	0.38	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	0.239	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	0.76	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	5
Phenanthrene	4.10	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	0.181	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 5039136Z
Sample ID GP-116 2-4
Sample Matrix Soil
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	52.9	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/8/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/8/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/8/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/8/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/8/2021	CJR	1
PAH SIM										
Acenaphthene	0.0209 "J"	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	0.092	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	0.135	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	0.134	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	0.2	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	0.302	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	0.133	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	0.093	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	0.167	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	0.0303 "J"	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	0.139	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	0.04	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.154	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	< 0.0101	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	0.042	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	5
Phenanthrene	0.105	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	0.137	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136AA
Sample ID GP-116 8-10
Sample Matrix Soil
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.5	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/8/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/8/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/8/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/8/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/8/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0132	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	< 0.0073	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	0.018 "J"	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	0.0101 "J"	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	< 0.0101	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	< 0.0096	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	1
Phenanthrene	0.03 "J"	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	0.0131 "J"	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136BB
Sample ID GP-117 8-10
Sample Matrix Soil
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.8	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/10/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/10/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/10/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/10/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/10/2021	CJR	1
PAH SIM										
Acenaphthene	2.00	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	0.0192 "J"	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	0.27	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	0.064	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	1.68	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	0.205	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	0.048 "J"	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	0.206	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	5
Phenanthrene	0.95	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	0.0208 "J"	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136CC
Sample ID GP-118 8-10
Sample Matrix Soil
Sample Date 3/3/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.3	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/10/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/10/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/10/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/10/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/10/2021	CJR	1
PAH SIM										
Acenaphthene	2.34	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	0.0212 "J"	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	0.0103 "J"	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	1.51	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	0.069	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	0.212	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	5
Phenanthrene	0.0247 "J"	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136DD
Sample ID GP-119 6-8
Sample Matrix Soil
Sample Date 3/3/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.9	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/10/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/10/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/10/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/10/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/10/2021	CJR	1
PAH SIM										
Acenaphthene	0.83	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	0.0108 "J"	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	0.0248 "J"	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	0.298	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	< 0.0101	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	0.0264 "J"	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	5
Phenanthrene	0.048	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	0.0186 "J"	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136EE
Sample ID GP-119 8-10
Sample Matrix Soil
Sample Date 3/3/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.7	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/10/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/10/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/10/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/10/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/10/2021	CJR	1
PAH SIM										
Acenaphthene	0.38	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	< 0.0073	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	0.113	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	0.0149 "J"	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	0.075	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	5
Phenanthrene	0.0126 "J"	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136FF
Sample ID GP-120 8-10
Sample Matrix Soil
Sample Date 3/3/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.7	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/10/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/10/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/10/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/10/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/10/2021	CJR	1
PAH SIM										
Acenaphthene	3.70	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	0.0309 "J"	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	< 0.0073	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	0.38	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	0.044	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	0.72	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	5
Phenanthrene	0.0122 "J"	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136GG
Sample ID GP-121 6-8
Sample Matrix Soil
Sample Date 3/3/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.5	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/10/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/10/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/10/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/10/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/10/2021	CJR	1
PAH SIM										
Acenaphthene	0.90	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	0.0233 "J"	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	0.05	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	0.0243 "J"	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	0.0212 "J"	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	0.042	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	0.0277 "J"	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	0.0215 "J"	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	0.0296 "J"	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	0.07	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	0.32	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.0258 "J"	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	0.0148 "J"	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	0.067	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	5
Phenanthrene	0.063	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	0.058	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136HH
Sample ID GP-121 8-10
Sample Matrix Soil
Sample Date 3/3/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.6	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/10/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/10/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/10/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/10/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/10/2021	CJR	1
PAH SIM										
Acenaphthene	1.43	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	0.0113 "J"	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	0.0202 "J"	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	0.016 "J"	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	0.061	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	0.33	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	0.0253 "J"	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	0.137	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	5
Phenanthrene	0.106	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	0.042	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136II
Sample ID GP-122 8-10
Sample Matrix Soil
Sample Date 3/3/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.0	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/10/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/10/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/10/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/10/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/10/2021	CJR	1
PAH SIM										
Acenaphthene	1.76	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	0.0167 "J"	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	0.64	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	0.91	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	1.74	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	0.35	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	0.211	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	0.67	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	5
Phenanthrene	4.20	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	0.48	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136JJ
Sample ID GP-122 10-12
Sample Matrix Soil
Sample Date 3/3/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.3	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/10/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/10/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/10/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/10/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/10/2021	CJR	1
PAH SIM										
Acenaphthene	1.86	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	0.018 "J"	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	0.33	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	0.47	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	1.44	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	0.309	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	0.113	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	0.44	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	5
Phenanthrene	2.25	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	0.252	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136KK
Sample ID GP-123 6-8
Sample Matrix Soil
Sample Date 3/3/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.3	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/10/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/10/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/10/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/10/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/10/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0132	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	0.011 "J"	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	< 0.0158	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	< 0.0099	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	< 0.0124	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	0.0104 "J"	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	< 0.0094	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	< 0.0101	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	< 0.0096	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	1
Phenanthrene	0.0121 "J"	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	0.0104 "J"	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136LL
Sample ID GP-124 10-12
Sample Matrix Soil
Sample Date 3/3/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.5	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/11/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/11/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/11/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/11/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/11/2021	CJR	1
PAH SIM										
Acenaphthene	0.64	mg/kg	0.0132	0.051	1	M8270C	3/10/2021	3/11/2021	NJC	1
Acenaphthylene	< 0.0092	mg/kg	0.0092	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Anthracene	0.0252 "J"	mg/kg	0.0073	0.028	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)anthracene	0.048 "J"	mg/kg	0.0158	0.061	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(a)pyrene	0.0168 "J"	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(b)fluoranthene	0.0263 "J"	mg/kg	0.0099	0.038	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0118	mg/kg	0.0118	0.045	1	M8270C	3/10/2021	3/11/2021	NJC	1
Benzo(k)fluoranthene	0.0123 "J"	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Chrysene	0.039 "J"	mg/kg	0.0124	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0142	mg/kg	0.0142	0.055	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluoranthene	0.258	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1
Fluorene	0.154	mg/kg	0.0094	0.036	1	M8270C	3/10/2021	3/11/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0126	mg/kg	0.0126	0.048	1	M8270C	3/10/2021	3/11/2021	NJC	1
1-Methyl naphthalene	0.104	mg/kg	0.0101	0.039	1	M8270C	3/10/2021	3/11/2021	NJC	1
2-Methyl naphthalene	< 0.0138	mg/kg	0.0138	0.053	1	M8270C	3/10/2021	3/11/2021	NJC	1
Naphthalene	0.26	mg/kg	0.0096	0.037	1	M8270C	3/10/2021	3/11/2021	NJC	5
Phenanthrene	0.0154 "J"	mg/kg	0.0077	0.03	1	M8270C	3/10/2021	3/11/2021	NJC	5
Pyrene	0.175	mg/kg	0.0091	0.035	1	M8270C	3/10/2021	3/11/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136MM
Sample ID GP-125 8-10
Sample Matrix Soil
Sample Date 3/3/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.9	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/11/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/11/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/11/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/11/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/11/2021	CJR	1
PAH SIM										
Acenaphthene	9.80	mg/kg	0.066	0.255	5	M8270C	3/15/2021	3/16/2021	NJC	1
Acenaphthylene	0.127 "J"	mg/kg	0.046	0.175	5	M8270C	3/15/2021	3/16/2021	NJC	1
Anthracene	3.20	mg/kg	0.0365	0.14	5	M8270C	3/15/2021	3/16/2021	NJC	1
Benzo(a)anthracene	1.57	mg/kg	0.079	0.305	5	M8270C	3/15/2021	3/16/2021	NJC	1
Benzo(a)pyrene	0.41	mg/kg	0.071	0.275	5	M8270C	3/15/2021	3/16/2021	NJC	1
Benzo(b)fluoranthene	0.62	mg/kg	0.0495	0.19	5	M8270C	3/15/2021	3/16/2021	NJC	1
Benzo(g,h,i)perylene	0.094 "J"	mg/kg	0.059	0.225	5	M8270C	3/15/2021	3/16/2021	NJC	1
Benzo(k)fluoranthene	0.259	mg/kg	0.0455	0.175	5	M8270C	3/15/2021	3/16/2021	NJC	1
Chrysene	1.40	mg/kg	0.062	0.24	5	M8270C	3/15/2021	3/16/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.071	mg/kg	0.071	0.275	5	M8270C	3/15/2021	3/16/2021	NJC	1
Fluoranthene	10.6	mg/kg	0.0455	0.175	5	M8270C	3/15/2021	3/16/2021	NJC	1
Fluorene	8.10	mg/kg	0.047	0.18	5	M8270C	3/15/2021	3/16/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.108 "J"	mg/kg	0.063	0.24	5	M8270C	3/15/2021	3/16/2021	NJC	1
1-Methyl naphthalene	4.20	mg/kg	0.0505	0.195	5	M8270C	3/15/2021	3/16/2021	NJC	1
2-Methyl naphthalene	7.20	mg/kg	0.069	0.265	5	M8270C	3/15/2021	3/16/2021	NJC	1
Naphthalene	11.0	mg/kg	0.048	0.185	5	M8270C	3/15/2021	3/16/2021	NJC	1
Phenanthrene	21.6	mg/kg	0.0385	0.15	5	M8270C	3/15/2021	3/16/2021	NJC	1
Pyrene	7.20	mg/kg	0.0455	0.175	5	M8270C	3/15/2021	3/16/2021	NJC	1

Lab Code 539136NN
Sample ID DUP
Sample Matrix Soil
Sample Date

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.8	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/11/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/11/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/11/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/11/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/11/2021	CJR	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136OO
Sample ID DUP2
Sample Matrix Soil
Sample Date

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.4	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.5	mg/kg	0.32	1.24	20	GRO95/8021		3/11/2021	CJR	1
Ethylbenzene	< 0.5	mg/kg	0.3	1.18	20	GRO95/8021		3/11/2021	CJR	1
Toluene	< 0.5	mg/kg	0.32	1.22	20	GRO95/8021		3/11/2021	CJR	1
m&p-Xylene	< 1	mg/kg	0.78	3	20	GRO95/8021		3/11/2021	CJR	1
o-Xylene	0.52 "J"	mg/kg	0.28	1.1	20	GRO95/8021		3/11/2021	CJR	1

Lab Code 539136PP
Sample ID DUP3
Sample Matrix Soil
Sample Date

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.7	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 1.25	mg/kg	0.8	3.1	50	GRO95/8021		3/11/2021	CJR	1
Ethylbenzene	6.9	mg/kg	0.75	2.95	50	GRO95/8021		3/11/2021	CJR	1
Toluene	2.33 "J"	mg/kg	0.8	3.05	50	GRO95/8021		3/11/2021	CJR	1
m&p-Xylene	6.8 "J"	mg/kg	1.95	7.5	50	GRO95/8021		3/11/2021	CJR	1
o-Xylene	3.6	mg/kg	0.7	2.75	50	GRO95/8021		3/11/2021	CJR	1

Lab Code 539136QQ
Sample ID DUP4
Sample Matrix Soil
Sample Date

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.3	%			1	5021		3/5/2021	NJC	1
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/11/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/11/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/11/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/11/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/11/2021	CJR	1

Project Name MOSS AMERICAN **Invoice #** E39136
Project # 18687

Lab Code 539136RR
Sample ID MEOH BLK
Sample Matrix Soil
Sample Date

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.025	mg/kg	0.016	0.062	1	GRO95/8021		3/10/2021	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.059	1	GRO95/8021		3/10/2021	CJR	1
Toluene	< 0.025	mg/kg	0.016	0.061	1	GRO95/8021		3/10/2021	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.039	0.15	1	GRO95/8021		3/10/2021	CJR	1
o-Xylene	< 0.025	mg/kg	0.014	0.055	1	GRO95/8021		3/10/2021	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.
5	The QC blank not within established limits.
49	Sample diluted to compensate for matrix interference.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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920-830-2455 • mrsynergy@wi.twcbc.com

Chain # No 37650
Page 1 of 4

Sample Handling Request
___ Rush Analysis Date Required: ___
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #
QUOTE #: WDNR
Project #: 18687
Sampler: (signature) Steven Kikkert

Project (Name / Location): Moss American

Reports To: Steven Kikkert	Invoice To: SAME
Company The Sigma Group	Company
Address 1300 W. Canal St	Address
City State Zip Milwaukee, WI 53233	City State Zip
Phone 414-643-4200	Phone
Email skikkert@thesigmagroup.com	Email

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	BTEX*	PID/FID
5039136 A	GP-100 (8-10)	3/1	10:22	N	3	SOIL	MeOH/None						X										X	0.6
B	GP-100 (10-12)		10:26																					0.9
C	GP-101 (6-8)		10:49																					1.8
D	GP-101 (8-10)		10:49																					4.3
	~~GP-102 (2-4)~~		~~11:17~~																					~~0.41~~
	~~GP-102 (10-12)~~		~~11:23~~																					~~0.2~~
E	GP-103 (8-10)		11:55																					0.4
F	GP-103 (10-12)		11:58																					1.3
G	GP-104 (10-12)		12:22																					4.9
H	GP-104 (12-14)		12:22																					47.0
I	GP-105 (6-8)		12:45																					0.6
J	GP-105 (8-10)		12:45																					0.5

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

*Benzene, Toluene, Ethylbenzene, Xylenes

Sample Integrity - To be completed by receiving lab.
Method of Shipment: CS
Temp. of Temp. Blank: ___ °C On Ice: X
Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Steven Kikkert	4:00	3/4/24			

Received in Laboratory By: [signature] Time: 8:00 Date: 3/5/24

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Chain # No 37651
Page 2 of 4

Sample Handling Request
___ Rush Analysis Date Required: ___
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #
QUOTE #: WDNR
Project #: 18687
Sampler: (signature) Steven Kikkert
Project (Name / Location): Moss American

Reports To: Steven Kikkert	Invoice To: SAME
Company Sigma	Company
Address 1300 W. Canal St	Address
City State Zip Milwaukee, WI 53233	City State Zip
Phone 414-643-4200	Phone
Email skikkert@thesigmagroup.com	Email

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	PID/FID
503913bk	GP-106 (8-10)	3/1	2:22	N	3	SOIL	MeOH/None	41.6
L	GP-106 (10-12)		2:26					16.4
M	GP-107 (8-10)		2:57					40.5
N	GP-107 (10-12)		3:01					29
O	GP-108 (8-10)		3:28					2.6
P	GP-109 (8-10)	3/2	9:34					0.1
Q	GP-110 (8-10)		10:44					0.1
R	GP-111 (8-10)		11:14					59.4
S	GP-111 (10-12)		11:19					43.7
T	GP-112 (8-10)		11:40					0.8
U	GP-113 (6-8)		11:58					54.3
V	GP-113 (8-10)		11:58					30.8

Analysis Requested | **Other Analysis**

DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	BTEX*
					X										X

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

* Benzene, Toluene, Ethyl benzene, Xylenes

Sample Integrity - To be completed by receiving lab.
Method of Shipment: C
Temp. of Temp. Blank: ___ °C On Ice: X
Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Steven Kikkert	4:00	3/4/21			

Received in Laboratory By: [signature] Time: 8:00 Date: 3/5/21

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Chain # No 37652
Page 3 of 4

Sample Handling Request
___ Rush Analysis Date Required: ___
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #
QUOTE #: WDNR
Project #: 18687
Sampler: (signature) Steven Kikkert
Project (Name / Location): Moss American

Reports To: Steven Kikkert	Invoice To: SAME
Company Sigma	Company
Address 1300 W. Canal St	Address
City State Zip Milwaukee, WI 53233	City State Zip
Phone 414-643-4300	Phone
Email skikkert@thesigmagroup.com	Email

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	BTEX*	PID/FID
503913.6 W	GP-114 (8-10)	3/2	12:38	N	3	SOIL	MeOH/None						X										X	467
X	GP-114 (10-12)		12:42																					34.5
Y	GP-115 (8-10)		11:02																					1.1
Z	GP-116 (2-4)		1:19																					4.2
AA	GP-116 (8-10)		1:32																					0.8
BB	GP-117 (8-10)	↓	1:49																					0.7
CC	GP-118 (8-10)	3/3	8:44																					0.9
DD	GP-119 (6-8)		9:07																					0.5
EE	GP-119 (8-10)		9:07																					0.6
FF	GP-120 (8-10)		9:28																					0.7
GG	GP-121 (6-8)		10:30																					1.1
HH	GP-121 (8-10)	↓	10:30	↓	↓	↓	↓																	0.6

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)
* Benzene, Toluene, Ethylbenzene, Xylenes

Sample Integrity - To be completed by receiving lab.
Method of Shipment: ___
Temp. of Temp. Blank: ___ °C On Ice: X
Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Steven Kikkert	4:00	3/4/21			

Received in Laboratory By: ___ Time: 8:00 Date: 3/5/21

CHAIN OF CUSTODY RECORD

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Chain # No 37653
Page 4 of 4

Sample Handling Request
___ Rush Analysis Date Required: ___
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #
QUOTE #: WDNR
Project #: 18687
Sampler: (signature) Steven Kikkert

Project (Name / Location): Moss American

Reports To: Steven Kikkert	Invoice To: SAME
Company Sigma	Company
Address 1300 W. Canal St	Address
City State Zip Milwaukee, WI 53233	City State Zip
Phone 414-643-4200	Phone
Email skikkert@thesigmagroup.com	Email

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	BTEX *	PID/FID
539136 FF	GP-122 (8-10)	3/3	11:39	N	3	SOIL	MeOH/Water						X											1.5
II	GP-122 (10-12)		11:45																					1.1
kk	GP-123 (6-8)		12:03																					0.8
LL	GP-124 (10-12)		12:54																					2.4
MM	GP-125 (8-10)		2:37																					13.4
NN	DUP				2		MeOH																	
OO	DUP 2																							
PP	DUP 3																							
QQ	DUP 4																							
RR	MeOH Blank				1	MeOH																		

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

* Benzene, Toluene, Ethylbenzene, xylenes

Sample Integrity - To be completed by receiving lab.
Method of Shipment: CS
Temp. of Temp. Blank: ___ °C On Ice: X
Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Steven Kikkert	4:00	3/4/21			

Received in Laboratory By: [signature] Time: 8:00 Date: 3/5/21

ATTACHMENT 6

GROUNDWATER ANALYTICAL REPORT

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ANDREA LORENZ
THE SIGMA GROUP, INC.
1300 W. CANAL STREET
MILWAUKEE. WI 53233

Report Date *19-Mar-21*

Project Name MOSS AMERICA **Invoice #** E39161
Project # 18687

Lab Code 5039161A
Sample ID PZ-03A
Sample Matrix Water
Sample Date 3/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.37	ug/l	0.37	1.42	1	GRO95/8021		3/15/2021	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.59	1	GRO95/8021		3/15/2021	CJR	1
Toluene	0.58 "J"	ug/l	0.5	1.92	1	GRO95/8021		3/15/2021	CJR	1
m&p-Xylene	< 0.91	ug/l	0.91	3.5	1	GRO95/8021		3/15/2021	CJR	1
o-Xylene	< 0.58	ug/l	0.58	2.22	1	GRO95/8021		3/15/2021	CJR	1
PAH SIM										
Acenaphthene	15.8	ug/l	0.0188	0.06	2	M8270C	3/17/2021	3/18/2021	NJC	5
Acenaphthylene	0.11	ug/l	0.0312	0.099	2	M8270C	3/17/2021	3/18/2021	NJC	1
Anthracene	0.85	ug/l	0.03	0.0956	2	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)anthracene	0.245	ug/l	0.04	0.134	2	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)pyrene	0.082 "J"	ug/l	0.0334	0.1062	2	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(b)fluoranthene	0.134	ug/l	0.032	0.1018	2	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(g,h,i)perylene	0.037 "J"	ug/l	0.0284	0.0902	2	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(k)fluoranthene	0.047 "J"	ug/l	0.0292	0.0926	2	M8270C	3/17/2021	3/18/2021	NJC	1
Chrysene	0.219	ug/l	0.0314	0.0998	2	M8270C	3/17/2021	3/18/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0346	ug/l	0.0346	0.1098	2	M8270C	3/17/2021	3/18/2021	NJC	1
Fluoranthene	2.03	ug/l	0.0176	0.0562	2	M8270C	3/17/2021	3/18/2021	NJC	5
Fluorene	4.90	ug/l	0.0158	0.0502	2	M8270C	3/17/2021	3/18/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.034 "J"	ug/l	0.0242	0.077	2	M8270C	3/17/2021	3/18/2021	NJC	1
1-Methyl naphthalene	0.67	ug/l	0.0382	0.1218	2	M8270C	3/17/2021	3/18/2021	NJC	1
2-Methyl naphthalene	< 0.0372	ug/l	0.0372	0.118	2	M8270C	3/17/2021	3/18/2021	NJC	1
Naphthalene	0.90	ug/l	0.06	0.2	2	M8270C	3/17/2021	3/18/2021	NJC	5
Phenanthrene	1.98	ug/l	0.0286	0.0912	2	M8270C	3/17/2021	3/18/2021	NJC	5
Pyrene	1.33	ug/l	0.0242	0.0772	2	M8270C	3/17/2021	3/18/2021	NJC	1

Project Name MOSS AMERICA **Invoice #** E39161
Project # 18687

Lab Code 5039161B
Sample ID PZ-03B
Sample Matrix Water
Sample Date 3/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	0.95 "J"	ug/l	0.37	1.42	1	GRO95/8021		3/15/2021	CJR	1
Ethylbenzene	7.4	ug/l	0.41	1.59	1	GRO95/8021		3/15/2021	CJR	1
Toluene	0.54 "J"	ug/l	0.5	1.92	1	GRO95/8021		3/15/2021	CJR	1
m&p-Xylene	11	ug/l	0.91	3.5	1	GRO95/8021		3/15/2021	CJR	1
o-Xylene	8.1	ug/l	0.58	2.22	1	GRO95/8021		3/15/2021	CJR	1
PAH SIM										
Acenaphthene	147	ug/l	0.47	1.5	50	M8270C	3/17/2021	3/18/2021	NJC	5
Acenaphthylene	0.92 "J"	ug/l	0.78	2.475	50	M8270C	3/17/2021	3/18/2021	NJC	1
Anthracene	3.04	ug/l	0.75	2.39	50	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)anthracene	< 1.00	ug/l	1	3.35	50	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)pyrene	< 0.835	ug/l	0.835	2.655	50	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(b)fluoranthene	< 0.80	ug/l	0.8	2.545	50	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(g,h,i)perylene	< 0.71	ug/l	0.71	2.255	50	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(k)fluoranthene	< 0.73	ug/l	0.73	2.315	50	M8270C	3/17/2021	3/18/2021	NJC	1
Chrysene	< 0.785	ug/l	0.785	2.495	50	M8270C	3/17/2021	3/18/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.865	ug/l	0.865	2.745	50	M8270C	3/17/2021	3/18/2021	NJC	1
Fluoranthene	6.90	ug/l	0.44	1.405	50	M8270C	3/17/2021	3/18/2021	NJC	5
Fluorene	28.9	ug/l	0.395	1.255	50	M8270C	3/17/2021	3/18/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.605	ug/l	0.605	1.925	50	M8270C	3/17/2021	3/18/2021	NJC	1
1-Methyl naphthalene	28.4	ug/l	0.955	3.045	50	M8270C	3/17/2021	3/18/2021	NJC	1
2-Methyl naphthalene	< 0.93	ug/l	0.93	2.95	50	M8270C	3/17/2021	3/18/2021	NJC	1
Naphthalene	113	ug/l	1.5	5	50	M8270C	3/17/2021	3/18/2021	NJC	5
Phenanthrene	5.60	ug/l	0.715	2.28	50	M8270C	3/17/2021	3/18/2021	NJC	5
Pyrene	4.00	ug/l	0.605	1.93	50	M8270C	3/17/2021	3/18/2021	NJC	1

Project Name MOSS AMERICA **Invoice #** E39161
Project # 18687

Lab Code 5039161C
Sample ID PZ-03C
Sample Matrix Water
Sample Date 3/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.37	ug/l	0.37	1.42	1	GRO95/8021		3/15/2021	CJR	1
Ethylbenzene	0.76 "J"	ug/l	0.41	1.59	1	GRO95/8021		3/15/2021	CJR	1
Toluene	1.08 "J"	ug/l	0.5	1.92	1	GRO95/8021		3/15/2021	CJR	1
m&p-Xylene	1.71 "J"	ug/l	0.91	3.5	1	GRO95/8021		3/15/2021	CJR	1
o-Xylene	1.16 "J"	ug/l	0.58	2.22	1	GRO95/8021		3/15/2021	CJR	1
PAH SIM										
Acenaphthene	205	ug/l	0.47	1.5	50	M8270C	3/17/2021	3/18/2021	NJC	5
Acenaphthylene	1.19 "J"	ug/l	0.78	2.475	50	M8270C	3/17/2021	3/18/2021	NJC	1
Anthracene	20.9	ug/l	0.75	2.39	50	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)anthracene	1.49 "J"	ug/l	1	3.35	50	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)pyrene	< 0.835	ug/l	0.835	2.655	50	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(b)fluoranthene	< 0.80	ug/l	0.8	2.545	50	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(g,h,i)perylene	< 0.71	ug/l	0.71	2.255	50	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(k)fluoranthene	< 0.73	ug/l	0.73	2.315	50	M8270C	3/17/2021	3/18/2021	NJC	1
Chrysene	1.18 "J"	ug/l	0.785	2.495	50	M8270C	3/17/2021	3/18/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.865	ug/l	0.865	2.745	50	M8270C	3/17/2021	3/18/2021	NJC	1
Fluoranthene	20.5	ug/l	0.44	1.405	50	M8270C	3/17/2021	3/18/2021	NJC	5
Fluorene	121	ug/l	0.395	1.255	50	M8270C	3/17/2021	3/18/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.605	ug/l	0.605	1.925	50	M8270C	3/17/2021	3/18/2021	NJC	1
1-Methyl naphthalene	110	ug/l	0.955	3.045	50	M8270C	3/17/2021	3/18/2021	NJC	1
2-Methyl naphthalene	190	ug/l	0.93	2.95	50	M8270C	3/17/2021	3/18/2021	NJC	5
Naphthalene	121	ug/l	1.5	5	50	M8270C	3/17/2021	3/18/2021	NJC	5
Phenanthrene	157	ug/l	0.715	2.28	50	M8270C	3/17/2021	3/18/2021	NJC	5
Pyrene	12.4	ug/l	0.605	1.93	50	M8270C	3/17/2021	3/18/2021	NJC	1

Project Name MOSS AMERICA **Invoice #** E39161
Project # 18687

Lab Code 5039161D
Sample ID PZ-03D
Sample Matrix Water
Sample Date 3/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	0.43 "J"	ug/l	0.37	1.42	1	GRO95/8021		3/15/2021	CJR	1
Ethylbenzene	2.18	ug/l	0.41	1.59	1	GRO95/8021		3/15/2021	CJR	1
Toluene	0.98 "J"	ug/l	0.5	1.92	1	GRO95/8021		3/15/2021	CJR	1
m&p-Xylene	3.7	ug/l	0.91	3.5	1	GRO95/8021		3/15/2021	CJR	1
o-Xylene	2.21 "J"	ug/l	0.58	2.22	1	GRO95/8021		3/15/2021	CJR	1
PAH SIM										
Acenaphthene	269	ug/l	1.88	6	200	M8270C	3/17/2021	3/19/2021	NJC	5
Acenaphthylene	3.30 "J"	ug/l	3.12	9.9	200	M8270C	3/17/2021	3/19/2021	NJC	1
Anthracene	20.3	ug/l	3	9.56	200	M8270C	3/17/2021	3/19/2021	NJC	1
Benzo(a)anthracene	< 4.00	ug/l	4	13.4	200	M8270C	3/17/2021	3/19/2021	NJC	1
Benzo(a)pyrene	< 3.34	ug/l	3.34	10.62	200	M8270C	3/17/2021	3/19/2021	NJC	1
Benzo(b)fluoranthene	< 3.20	ug/l	3.2	10.18	200	M8270C	3/17/2021	3/19/2021	NJC	1
Benzo(g,h,i)perylene	< 2.84	ug/l	2.84	9.02	200	M8270C	3/17/2021	3/19/2021	NJC	1
Benzo(k)fluoranthene	< 2.92	ug/l	2.92	9.26	200	M8270C	3/17/2021	3/19/2021	NJC	1
Chrysene	< 3.14	ug/l	3.14	9.98	200	M8270C	3/17/2021	3/19/2021	NJC	1
Dibenzo(a,h)anthracene	< 3.46	ug/l	3.46	10.98	200	M8270C	3/17/2021	3/19/2021	NJC	1
Fluoranthene	21.6	ug/l	1.76	5.62	200	M8270C	3/17/2021	3/19/2021	NJC	5
Fluorene	136	ug/l	1.58	5.02	200	M8270C	3/17/2021	3/19/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 2.42	ug/l	2.42	7.7	200	M8270C	3/17/2021	3/19/2021	NJC	1
1-Methyl naphthalene	158	ug/l	3.82	12.18	200	M8270C	3/17/2021	3/19/2021	NJC	1
2-Methyl naphthalene	225	ug/l	3.72	11.8	200	M8270C	3/17/2021	3/19/2021	NJC	5
Naphthalene	1090	ug/l	6	20	200	M8270C	3/17/2021	3/19/2021	NJC	5
Phenanthrene	158	ug/l	2.86	9.12	200	M8270C	3/17/2021	3/19/2021	NJC	1
Pyrene	12.5	ug/l	2.42	7.72	200	M8270C	3/17/2021	3/19/2021	NJC	1

Project Name MOSS AMERICA **Invoice #** E39161
Project # 18687

Lab Code 5039161E
Sample ID PZ-03E
Sample Matrix Water
Sample Date 3/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	1.68	ug/l	0.37	1.42	1	GRO95/8021		3/15/2021	CJR	1
Ethylbenzene	60	ug/l	0.41	1.59	1	GRO95/8021		3/15/2021	CJR	1
Toluene	5.1	ug/l	0.5	1.92	1	GRO95/8021		3/15/2021	CJR	1
m&p-Xylene	55	ug/l	0.91	3.5	1	GRO95/8021		3/15/2021	CJR	1
o-Xylene	30.8	ug/l	0.58	2.22	1	GRO95/8021		3/15/2021	CJR	1
PAH SIM										
Acenaphthene	680	ug/l	4.7	15	500	M8270C	3/17/2021	3/18/2021	NJC	5
Acenaphthylene	< 7.80	ug/l	7.8	24.75	500	M8270C	3/17/2021	3/18/2021	NJC	1
Anthracene	82.0	ug/l	7.5	23.9	500	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)anthracene	27.7 "J"	ug/l	10	33.5	500	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)pyrene	< 8.35	ug/l	8.35	26.55	500	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(b)fluoranthene	10.9 "J"	ug/l	8	25.45	500	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(g,h,i)perylene	< 7.10	ug/l	7.1	22.55	500	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(k)fluoranthene	< 7.30	ug/l	7.3	23.15	500	M8270C	3/17/2021	3/18/2021	NJC	1
Chrysene	25.1	ug/l	7.85	24.95	500	M8270C	3/17/2021	3/18/2021	NJC	1
Dibenzo(a,h)anthracene	< 8.65	ug/l	8.65	27.45	500	M8270C	3/17/2021	3/18/2021	NJC	1
Fluoranthene	188	ug/l	4.4	14.05	500	M8270C	3/17/2021	3/18/2021	NJC	5
Fluorene	320	ug/l	3.95	12.55	500	M8270C	3/17/2021	3/18/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 6.05	ug/l	6.05	19.25	500	M8270C	3/17/2021	3/18/2021	NJC	1
1-Methyl naphthalene	380	ug/l	9.55	30.45	500	M8270C	3/17/2021	3/18/2021	NJC	1
2-Methyl naphthalene	380	ug/l	9.3	29.5	500	M8270C	3/17/2021	3/18/2021	NJC	5
Naphthalene	4100	ug/l	15	50	500	M8270C	3/17/2021	3/18/2021	NJC	5
Phenanthrene	560	ug/l	7.15	22.8	500	M8270C	3/17/2021	3/18/2021	NJC	5
Pyrene	128	ug/l	6.05	19.3	500	M8270C	3/17/2021	3/18/2021	NJC	1

Project Name MOSS AMERICA **Invoice #** E39161
Project # 18687

Lab Code 5039161F
Sample ID MW-33SA
Sample Matrix Water
Sample Date 3/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.37	ug/l	0.37	1.42	1	GRO95/8021		3/15/2021	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.59	1	GRO95/8021		3/15/2021	CJR	1
Toluene	< 0.5	ug/l	0.5	1.92	1	GRO95/8021		3/15/2021	CJR	1
m&p-Xylene	0.99 "J"	ug/l	0.91	3.5	1	GRO95/8021		3/15/2021	CJR	1
o-Xylene	0.69 "J"	ug/l	0.58	2.22	1	GRO95/8021		3/15/2021	CJR	1
PAH SIM										
Acenaphthene	86.0	ug/l	0.188	0.6	20	M8270C	3/17/2021	3/18/2021	NJC	5
Acenaphthylene	0.72 "J"	ug/l	0.312	0.99	20	M8270C	3/17/2021	3/18/2021	NJC	1
Anthracene	1.88	ug/l	0.3	0.956	20	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)anthracene	< 0.40	ug/l	0.4	1.34	20	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)pyrene	< 0.334	ug/l	0.334	1.062	20	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(b)fluoranthene	< 0.32	ug/l	0.32	1.018	20	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(g,h,i)perylene	< 0.284	ug/l	0.284	0.902	20	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(k)fluoranthene	< 0.292	ug/l	0.292	0.926	20	M8270C	3/17/2021	3/18/2021	NJC	1
Chrysene	< 0.314	ug/l	0.314	0.998	20	M8270C	3/17/2021	3/18/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.346	ug/l	0.346	1.098	20	M8270C	3/17/2021	3/18/2021	NJC	1
Fluoranthene	0.43 "J"	ug/l	0.176	0.562	20	M8270C	3/17/2021	3/18/2021	NJC	5
Fluorene	39.0	ug/l	0.158	0.502	20	M8270C	3/17/2021	3/18/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.242	ug/l	0.242	0.77	20	M8270C	3/17/2021	3/18/2021	NJC	1
1-Methyl naphthalene	12.4	ug/l	0.382	1.218	20	M8270C	3/17/2021	3/18/2021	NJC	1
2-Methyl naphthalene	0.84 "J"	ug/l	0.372	1.18	20	M8270C	3/17/2021	3/18/2021	NJC	5
Naphthalene	26.2	ug/l	0.6	2	20	M8270C	3/17/2021	3/18/2021	NJC	5
Phenanthrene	7.70	ug/l	0.286	0.912	20	M8270C	3/17/2021	3/18/2021	NJC	5
Pyrene	0.268 "J"	ug/l	0.242	0.772	20	M8270C	3/17/2021	3/18/2021	NJC	1

Project Name MOSS AMERICA **Invoice #** E39161
Project # 18687

Lab Code 5039161G
Sample ID MW-33SB
Sample Matrix Water
Sample Date 3/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.37	ug/l	0.37	1.42	1	GRO95/8021		3/15/2021	CJR	1
Ethylbenzene	1.17 "J"	ug/l	0.41	1.59	1	GRO95/8021		3/15/2021	CJR	1
Toluene	< 0.5	ug/l	0.5	1.92	1	GRO95/8021		3/15/2021	CJR	1
m&p-Xylene	2.49 "J"	ug/l	0.91	3.5	1	GRO95/8021		3/15/2021	CJR	1
o-Xylene	2.31	ug/l	0.58	2.22	1	GRO95/8021		3/15/2021	CJR	1
PAH SIM										
Acenaphthene	133	ug/l	0.47	1.5	50	M8270C	3/17/2021	3/18/2021	NJC	2 5 75
Acenaphthylene	1.22 "J"	ug/l	0.78	2.475	50	M8270C	3/17/2021	3/18/2021	NJC	2 3 75
Anthracene	9.80	ug/l	0.75	2.39	50	M8270C	3/17/2021	3/18/2021	NJC	2 3 75
Benzo(a)anthracene	< 1.00	ug/l	1	3.35	50	M8270C	3/17/2021	3/18/2021	NJC	2 3 75
Benzo(a)pyrene	< 0.835	ug/l	0.835	2.655	50	M8270C	3/17/2021	3/18/2021	NJC	3 64
Benzo(b)fluoranthene	< 0.80	ug/l	0.8	2.545	50	M8270C	3/17/2021	3/18/2021	NJC	2 3 75
Benzo(g,h,i)perylene	< 0.71	ug/l	0.71	2.255	50	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(k)fluoranthene	< 0.73	ug/l	0.73	2.315	50	M8270C	3/17/2021	3/18/2021	NJC	3 64
Chrysene	< 0.785	ug/l	0.785	2.495	50	M8270C	3/17/2021	3/18/2021	NJC	2 3 75
Dibenzo(a,h)anthracene	< 0.865	ug/l	0.865	2.745	50	M8270C	3/17/2021	3/18/2021	NJC	1
Fluoranthene	4.90	ug/l	0.44	1.405	50	M8270C	3/17/2021	3/18/2021	NJC	2 3 5 75
Fluorene	77.0	ug/l	0.395	1.255	50	M8270C	3/17/2021	3/18/2021	NJC	2 75
Indeno(1,2,3-cd)pyrene	< 0.605	ug/l	0.605	1.925	50	M8270C	3/17/2021	3/18/2021	NJC	3 64
1-Methyl naphthalene	43.0	ug/l	0.955	3.045	50	M8270C	3/17/2021	3/18/2021	NJC	2 3 75
2-Methyl naphthalene	23.6	ug/l	0.93	2.95	50	M8270C	3/17/2021	3/18/2021	NJC	2 3 5 75
Naphthalene	270	ug/l	1.5	5	50	M8270C	3/17/2021	3/18/2021	NJC	3 5 64
Phenanthrene	72.0	ug/l	0.715	2.28	50	M8270C	3/17/2021	3/18/2021	NJC	2 3 5 75
Pyrene	2.26	ug/l	0.605	1.93	50	M8270C	3/17/2021	3/18/2021	NJC	2 3 75

Project Name MOSS AMERICA **Invoice #** E39161
Project # 18687

Lab Code 5039161H
Sample ID MW-33SC
Sample Matrix Water
Sample Date 3/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.37	ug/l	0.37	1.42	1	GRO95/8021		3/15/2021	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.59	1	GRO95/8021		3/15/2021	CJR	1
Toluene	< 0.5	ug/l	0.5	1.92	1	GRO95/8021		3/15/2021	CJR	1
m&p-Xylene	< 0.91	ug/l	0.91	3.5	1	GRO95/8021		3/15/2021	CJR	1
o-Xylene	< 0.58	ug/l	0.58	2.22	1	GRO95/8021		3/15/2021	CJR	1
PAH SIM										
Acenaphthene	1.58	ug/l	0.0094	0.03	1	M8270C	3/17/2021	3/17/2021	NJC	5
Acenaphthylene	0.036 "J"	ug/l	0.0156	0.0495	1	M8270C	3/17/2021	3/17/2021	NJC	1
Anthracene	0.254	ug/l	0.015	0.0478	1	M8270C	3/17/2021	3/17/2021	NJC	1
Benzo(a)anthracene	0.038 "J"	ug/l	0.02	0.067	1	M8270C	3/17/2021	3/17/2021	NJC	1
Benzo(a)pyrene	0.0179 "J"	ug/l	0.0167	0.0531	1	M8270C	3/17/2021	3/17/2021	NJC	1
Benzo(b)fluoranthene	0.0301 "J"	ug/l	0.016	0.0509	1	M8270C	3/17/2021	3/17/2021	NJC	1
Benzo(g,h,i)perylene	0.0249 "J"	ug/l	0.0142	0.0451	1	M8270C	3/17/2021	3/17/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	3/17/2021	3/17/2021	NJC	1
Chrysene	0.032 "J"	ug/l	0.0157	0.0499	1	M8270C	3/17/2021	3/17/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	3/17/2021	3/17/2021	NJC	1
Fluoranthene	0.32	ug/l	0.0088	0.0281	1	M8270C	3/17/2021	3/17/2021	NJC	5
Fluorene	0.75	ug/l	0.0079	0.0251	1	M8270C	3/17/2021	3/17/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.0193 "J"	ug/l	0.0121	0.0385	1	M8270C	3/17/2021	3/17/2021	NJC	1
1-Methyl naphthalene	0.58	ug/l	0.0191	0.0609	1	M8270C	3/17/2021	3/17/2021	NJC	1
2-Methyl naphthalene	0.68	ug/l	0.0186	0.059	1	M8270C	3/17/2021	3/17/2021	NJC	5
Naphthalene	3.20	ug/l	0.03	0.1	1	M8270C	3/17/2021	3/17/2021	NJC	5
Phenanthrene	0.98	ug/l	0.0143	0.0456	1	M8270C	3/17/2021	3/17/2021	NJC	5
Pyrene	0.221	ug/l	0.0121	0.0386	1	M8270C	3/17/2021	3/17/2021	NJC	1

Project Name MOSS AMERICA **Invoice #** E39161
Project # 18687

Lab Code 5039161I
Sample ID PZ-02A
Sample Matrix Water
Sample Date 3/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.37	ug/l	0.37	1.42	1	GRO95/8021		3/15/2021	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.59	1	GRO95/8021		3/15/2021	CJR	1
Toluene	< 0.5	ug/l	0.5	1.92	1	GRO95/8021		3/15/2021	CJR	1
m&p-Xylene	< 0.91	ug/l	0.91	3.5	1	GRO95/8021		3/15/2021	CJR	1
o-Xylene	< 0.58	ug/l	0.58	2.22	1	GRO95/8021		3/15/2021	CJR	1
PAH SIM										
Acenaphthene	89.0	ug/l	0.188	0.6	20	M8270C	3/17/2021	3/18/2021	NJC	5
Acenaphthylene	0.87 "J"	ug/l	0.312	0.99	20	M8270C	3/17/2021	3/18/2021	NJC	1
Anthracene	0.51 "J"	ug/l	0.3	0.956	20	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)anthracene	< 0.40	ug/l	0.4	1.34	20	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)pyrene	< 0.334	ug/l	0.334	1.062	20	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(b)fluoranthene	< 0.32	ug/l	0.32	1.018	20	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(g,h,i)perylene	< 0.284	ug/l	0.284	0.902	20	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(k)fluoranthene	< 0.292	ug/l	0.292	0.926	20	M8270C	3/17/2021	3/18/2021	NJC	1
Chrysene	< 0.314	ug/l	0.314	0.998	20	M8270C	3/17/2021	3/18/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.346	ug/l	0.346	1.098	20	M8270C	3/17/2021	3/18/2021	NJC	1
Fluoranthene	0.73	ug/l	0.176	0.562	20	M8270C	3/17/2021	3/18/2021	NJC	5
Fluorene	20.5	ug/l	0.158	0.502	20	M8270C	3/17/2021	3/18/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.242	ug/l	0.242	0.77	20	M8270C	3/17/2021	3/18/2021	NJC	1
1-Methyl naphthalene	2.04	ug/l	0.382	1.218	20	M8270C	3/17/2021	3/18/2021	NJC	1
2-Methyl naphthalene	< 0.372	ug/l	0.372	1.18	20	M8270C	3/17/2021	3/18/2021	NJC	1
Naphthalene	17.8	ug/l	0.6	2	20	M8270C	3/17/2021	3/18/2021	NJC	5
Phenanthrene	1.97	ug/l	0.286	0.912	20	M8270C	3/17/2021	3/18/2021	NJC	5
Pyrene	0.51 "J"	ug/l	0.242	0.772	20	M8270C	3/17/2021	3/18/2021	NJC	1

Project Name MOSS AMERICA **Invoice #** E39161
Project # 18687

Lab Code 5039161J
Sample ID PZ-02B
Sample Matrix Water
Sample Date 3/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.37	ug/l	0.37	1.42	1	GRO95/8021		3/15/2021	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.59	1	GRO95/8021		3/15/2021	CJR	1
Toluene	< 0.5	ug/l	0.5	1.92	1	GRO95/8021		3/15/2021	CJR	1
m&p-Xylene	< 0.91	ug/l	0.91	3.5	1	GRO95/8021		3/15/2021	CJR	1
o-Xylene	< 0.58	ug/l	0.58	2.22	1	GRO95/8021		3/15/2021	CJR	1
PAH SIM										
Acenaphthene	59.0	ug/l	0.094	0.3	10	M8270C	3/17/2021	3/18/2021	NJC	5
Acenaphthylene	0.57	ug/l	0.156	0.495	10	M8270C	3/17/2021	3/18/2021	NJC	1
Anthracene	1.12	ug/l	0.15	0.478	10	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)anthracene	0.32 "J"	ug/l	0.2	0.67	10	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)pyrene	0.236 "J"	ug/l	0.167	0.531	10	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(b)fluoranthene	0.42 "J"	ug/l	0.16	0.509	10	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(g,h,i)perylene	0.31 "J"	ug/l	0.142	0.451	10	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(k)fluoranthene	0.49	ug/l	0.146	0.463	10	M8270C	3/17/2021	3/18/2021	NJC	1
Chrysene	0.40 "J"	ug/l	0.157	0.499	10	M8270C	3/17/2021	3/18/2021	NJC	1
Dibenzo(a,h)anthracene	0.248 "J"	ug/l	0.173	0.549	10	M8270C	3/17/2021	3/18/2021	NJC	1
Fluoranthene	1.01	ug/l	0.088	0.281	10	M8270C	3/17/2021	3/18/2021	NJC	5
Fluorene	12.5	ug/l	0.079	0.251	10	M8270C	3/17/2021	3/18/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.36 "J"	ug/l	0.121	0.385	10	M8270C	3/17/2021	3/18/2021	NJC	1
1-Methyl naphthalene	2.94	ug/l	0.191	0.609	10	M8270C	3/17/2021	3/18/2021	NJC	1
2-Methyl naphthalene	2.05	ug/l	0.186	0.59	10	M8270C	3/17/2021	3/18/2021	NJC	5
Naphthalene	14.6	ug/l	0.3	1	10	M8270C	3/17/2021	3/18/2021	NJC	5
Phenanthrene	5.10	ug/l	0.143	0.456	10	M8270C	3/17/2021	3/18/2021	NJC	5
Pyrene	0.73	ug/l	0.121	0.386	10	M8270C	3/17/2021	3/18/2021	NJC	1

Project Name MOSS AMERICA **Invoice #** E39161
Project # 18687

Lab Code 5039161K
Sample ID DUP
Sample Matrix Water
Sample Date 3/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	0.55 "J"	ug/l	0.37	1.42	1	GRO95/8021		3/15/2021	CJR	1
Ethylbenzene	2.14	ug/l	0.41	1.59	1	GRO95/8021		3/15/2021	CJR	1
Toluene	0.53 "J"	ug/l	0.5	1.92	1	GRO95/8021		3/15/2021	CJR	1
m&p-Xylene	3.5	ug/l	0.91	3.5	1	GRO95/8021		3/15/2021	CJR	1
o-Xylene	2.11 "J"	ug/l	0.58	2.22	1	GRO95/8021		3/15/2021	CJR	1
PAH SIM										
Acenaphthene	293	ug/l	1.88	6	200	M8270C	3/17/2021	3/18/2021	NJC	5
Acenaphthylene	4.50 "J"	ug/l	3.12	9.9	200	M8270C	3/17/2021	3/18/2021	NJC	1
Anthracene	34	ug/l	3	9.56	200	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)anthracene	7.90 "J"	ug/l	4	13.4	200	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(a)pyrene	4.00 "J"	ug/l	3.34	10.62	200	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(b)fluoranthene	6.90 "J"	ug/l	3.2	10.18	200	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(g,h,i)perylene	4.60 "J"	ug/l	2.84	9.02	200	M8270C	3/17/2021	3/18/2021	NJC	1
Benzo(k)fluoranthene	6.80 "J"	ug/l	2.92	9.26	200	M8270C	3/17/2021	3/18/2021	NJC	1
Chrysene	10.1	ug/l	3.14	9.98	200	M8270C	3/17/2021	3/18/2021	NJC	1
Dibenzo(a,h)anthracene	< 3.46	ug/l	3.46	10.98	200	M8270C	3/17/2021	3/18/2021	NJC	1
Fluoranthene	49.0	ug/l	1.76	5.62	200	M8270C	3/17/2021	3/18/2021	NJC	5
Fluorene	160	ug/l	1.58	5.02	200	M8270C	3/17/2021	3/18/2021	NJC	1
Indeno(1,2,3-cd)pyrene	5.00 "J"	ug/l	2.42	7.7	200	M8270C	3/17/2021	3/18/2021	NJC	1
1-Methyl naphthalene	175	ug/l	3.82	12.18	200	M8270C	3/17/2021	3/18/2021	NJC	1
2-Methyl naphthalene	243	ug/l	3.72	11.8	200	M8270C	3/17/2021	3/18/2021	NJC	5
Naphthalene	1190	ug/l	6	20	200	M8270C	3/17/2021	3/18/2021	NJC	5
Phenanthrene	218	ug/l	2.86	9.12	200	M8270C	3/17/2021	3/18/2021	NJC	1
Pyrene	32.0	ug/l	2.42	7.72	200	M8270C	3/17/2021	3/18/2021	NJC	1

Lab Code 5039161L
Sample ID EQUIP
Sample Matrix Water
Sample Date 3/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.37	ug/l	0.37	1.42	1	GRO95/8021		3/15/2021	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.59	1	GRO95/8021		3/15/2021	CJR	1
Toluene	< 0.5	ug/l	0.5	1.92	1	GRO95/8021		3/15/2021	CJR	1
m&p-Xylene	< 0.91	ug/l	0.91	3.5	1	GRO95/8021		3/15/2021	CJR	1
o-Xylene	< 0.58	ug/l	0.58	2.22	1	GRO95/8021		3/15/2021	CJR	1

Project Name MOSS AMERICA **Invoice #** E39161
Project # 18687

Lab Code 5039161M
Sample ID TRIP
Sample Matrix Water
Sample Date 3/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.37	ug/l	0.37	1.42	1	GRO95/8021		3/15/2021	CJR	1
Ethylbenzene	< 0.41	ug/l	0.41	1.59	1	GRO95/8021		3/15/2021	CJR	1
Toluene	< 0.5	ug/l	0.5	1.92	1	GRO95/8021		3/15/2021	CJR	1
m&p-Xylene	< 0.91	ug/l	0.91	3.5	1	GRO95/8021		3/15/2021	CJR	1
o-Xylene	< 0.58	ug/l	0.58	2.22	1	GRO95/8021		3/15/2021	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.
2	Relative percent difference failed for laboratory spiked samples.
3	The matrix spike not within established limits.
5	The QC blank not within established limits.
64	Spike recovery failed due to matrix interference.
75	RPD failed due to matrix interference.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Chain # No 37949

Page 1 of 1

Sample Handling Request

___ Rush Analysis Date Required: ____
(Rushes accepted only with prior authorization)
✓ Normal Turn Around

Lab I.D. #

QUOTE # :

Project #: 18687

Sampler: (signature) [signature]

Project (Name / Location): Moss America Milwaukee WI

Reports To: Andrea Lorenz	Invoice To:
Company Sigma	Company Same
Address 1300 W. Canal St.	Address
City State Zip Milwaukee WI 53233	City State Zip
Phone 414-643-4200	Phone
Email	Email

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	BTEX	PID/ FID
503916 1 A	PZ-03A	3/12		N	4	GW	HCL						X										X	
B	PZ-03 B				4								X										X	
C	PZ-03 C				4								X										X	
D	PZ-03 D				6								X										X	
E	PZ-03 E				4								X										X	
F	MW-335A				4								X										X	
G	MW-335B				4								X										X	
H	MW-335C				4								X										X	
I	PZ-02A				4								X										X	
J	PZ-02B				4								X										X	
K	Dup				4																		X	
L	Equip				1																		X	

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

M

Trip also included - 1 container - BTEX

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CS

Temp. of Temp. Blank: ____ °C On Ice: X

Cooler seal intact upon receipt: X Yes ___ No

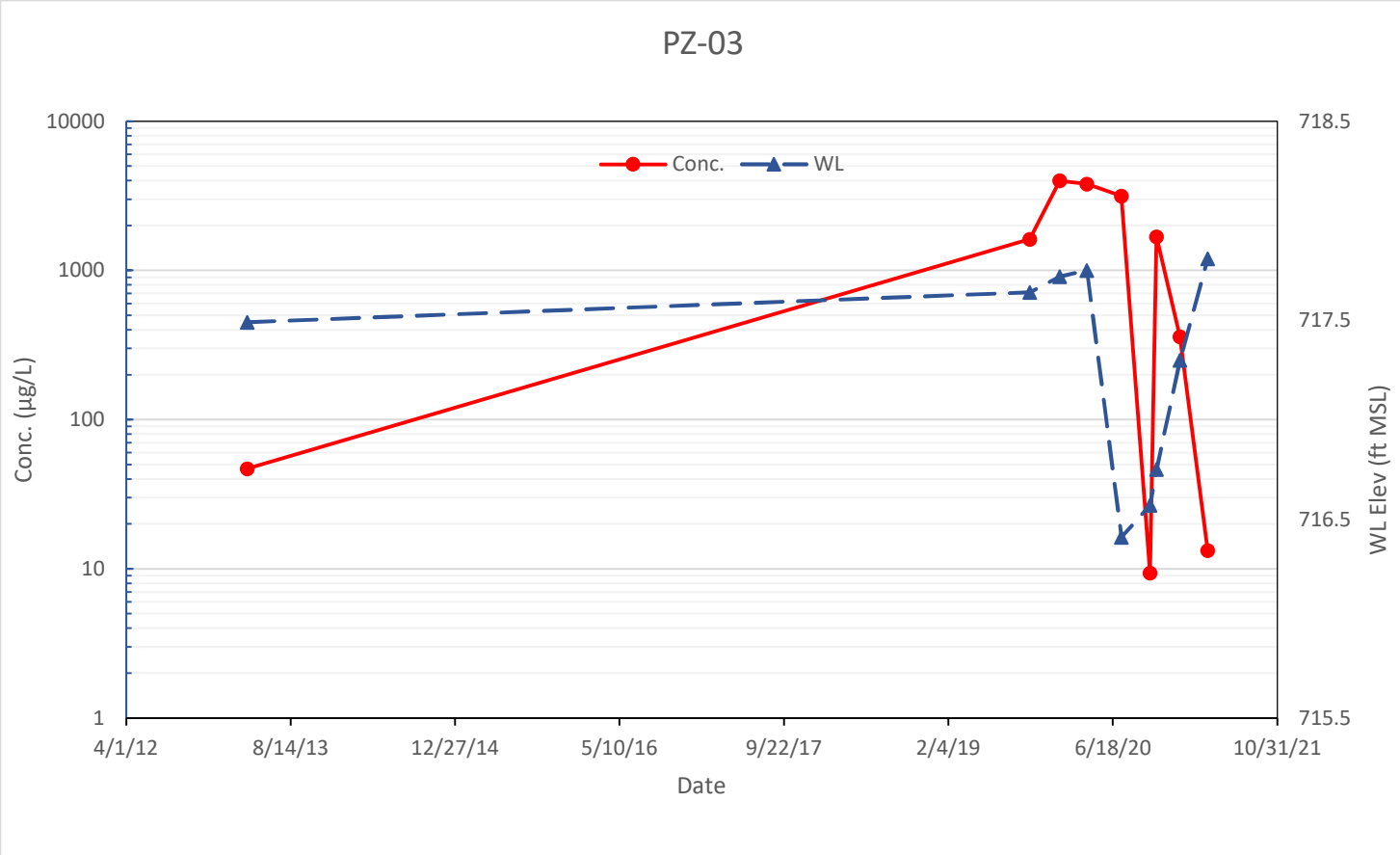
Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
[signature]	12:00	3/12/21			

Received in Laboratory By: [signature] Time: 13:00 Date: 3/13/21

ATTACHMENT 7

TIME-SERIES PLOT OF NAPHTHALENE IN PZ-03

Attachment 7
Concentrations of Naphthalene in Monitoring Well PZ-03
PZ-03 Area Investigation
Moss American - 8716 N. Granville Road, Milwaukee, WI
Sigma Project #18687



Date	Naphthalene	Water Level
	µg/L	(ft MSL)
4/4/13	*47*	717.49
10/9/19	**1620**	717.64
1/8/20	**4000**	717.72
3/31/20	**3800**	717.75
7/14/20	**3150**	716.41
10/9/20	*9.4*	716.57
10/29/20	**1680**	716.75
1/8/21	**360**	717.30
4/2/21	*13.3*	717.81

10 = NR 140 PAL exceedances
100 = NR 140 ES exceedances