

**STORMWATER SAMPLING
INDEPENDENT METALS STORAGE LOT
703 SOUTH MONROE STREET
SEATTLE, WASHINGTON 98109
FINAL REPORT**



Prepared for:

South Monroe LLC
10512 NE 170th Street
Bothell, Washington 98011

703 South Monroe Street
Seattle, Washington 98109

Prepared by:

GO Spectrum NW, LLC.
14777 NE 140th Street, Suite 301
Bellevue, Washington 98007

March 31, 2020

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TABLE OF CONTENTS

ACRONYMS & ABBREVIATIONS.....ii

SUMMARY OF FINDINGSI

1 INTRODUCTION1

 1.1 REPORT ORGANIZATION.....1

 1.2 INVOLVED PARTIES.....1

 1.3 PROJECT OBJECTIVES1

 1.4 ENVIRONMENTAL BACKGROUND.....1

 1.5 SITE DESCRIPTION2

2 SAMPLING OBJECTIVES AND PROCEDURES2

 2.1 STORM EVENT SAMPLED.....2

 2.2 REGULATORY REVIEW.....2

3 STORMWATER SAMPLING FIELD WORK2

 3.1 SITE STORMWATER DISCHARGED2

 3.2 RECEIVING WATERS.....2

 3.3 OUTFLOW SAMPLING LOCATION3

 3.4 DOCUMENTATION3

 3.5 SAMPLE HANDLING AND SHIPPING.....3

 3.6 ANALYTICAL PROTOCOL.....3

4 FINDINGS.....3

 4.1 ANALYTICAL RESULTS4

5 REGULATORY REVIEW RESULTS.....4

6 CONCLUSIONS.....4

7 RECOMMENDATIONS4

8 LIMITATIONS AND EXCEPTIONS.....4

9 REFERENCES5

10 SIGNATURE5

LIST OF FIGURES

- FIGURE 1: SITE LOCATION MAP
 FIGURE 2: SITE PLOT PLAN

LIST OF TABLES

- TABLE 1: OUTFLOW SAMPLE ANALYTICAL RESULTS - PCBs

APPENDICES

- APPENDIX A: PROJECT DOCUMENTATION
 APPENDIX B: COPY OF THE ANALYTICAL REPORT
 APPENDIX C: PROJECT PHOTOGRAPHS

ACRONYMS & ABBREVIATIONS

CSCSL	Confirmed and Suspected Contaminated Sites List
CULs	Clean up levels
Ecology	Washington State Department of Ecology
Ecology VCP RP...	Ecology VCP Response Plan
EPA.....	United States Environmental Protection Agency
GPS	Global Positioning System
MTCA.....	Washington State Model Toxics Control Act
PCBs	Polychlorinated biphenyls
Spectrum	GO Spectrum NW, LLC
µg/L.....	microgram per liter
USGS	United States Geologic Survey
VCP.....	Voluntary Cleanup Program

SUMMARY OF FINDINGS

GO Spectrum NW, LLC (Spectrum) prepared this Final Report to document Stormwater Sampling at the Independent Metals Storage Lot (Site) located at 703 South Monroe Street in Seattle, Washington 98108. South Monroe LLC requested the Stormwater Sampling to meet the requirements of an ongoing Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP) evaluation.

ENVIRONMENTAL BACKGROUND

In 2012, an “oily residue dripping into rainwater from an uncovered, empty metal container,” was observed at the Site (Pacific Crest Environmental 2017). Because of sampling results conducted by the City of Seattle, the site “was added to Ecology’s CSCSL in 2014 based on concentrations of polychlorinated biphenyls (PCBs) above Washington State regulatory Clean up levels (CULs)”.

Stormwater generated on the Independent Metals Storage Lot primarily infiltrated into the subsurface. In the event of high intensity or prolonged periods of precipitation, stormwater accumulated on the surface of the Independent Metals Storage Lot and traveled as sheet flow to the storm drain located in the 7th Avenue South right-of-way.

In 2013, the Independent Metals Storage Lot was re-graded and soil berms were constructed along the north, east, and south parcel boundaries. The berms were constructed to capture onsite stormwater and reduce sheet flow into the 7th Avenue South storm drain. Additionally, a 6-foot wide by 1-foot deep fabric-lined trench backfilled with quarry spalls was installed along the 7th Avenue South property boundary to capture onsite stormwater. Independent Metals operated at the Independent Metals Storage Lot until early 2014

SITE DESCRIPTION

The Site is a 20,000-square foot (0.5-acre) King County commercial property located within a south Seattle neighborhood that is occupied by heavy industry and both, single- and multi-family residences. The Site is made up of three King County parcels (King County Parcel Numbers: 732790-1445, 732790-1465, and 732790-1475). The Site elevation is 13 feet above mean sea level (AMSL). The Site is a gravel and dirt storage lot with frontages on South Monroe Street (north), South Elmgrove Street (south), and 7th Avenue South (west). No structures exist within the Site. The Site has a very slight south-southeast slope. There is one point of ingress/egress to the Site on 7th Avenue South.

ANALYTICAL PROTOCOL

ESN tested the Site outflow sample for PCBs by EPA Test Method 8082.

REGULATORY REVIEW

The analytical results were compared to the MTCA Method A Cleanup Levels for Ground Water as there were no available non-bioassay CULs for PCBs in Surface Water.

FINDINGS

ANALYTICAL RESULTS

The Site outflow water sample analytical results indicated that no PCBs were detected in the analyzed surface water sample at concentrations above the test method detection limits for the individual Aroclors.

REGULATORY REVIEW RESULTS

No PCBs were detected in the analyzed outflow water samples at concentrations above the test method detection limits for the individual Aroclors. Therefore, the analyzed Site outflow sample was compliant with the MTCA Method A Cleanup Level for PCBs in Ground Water.

CONCLUSIONS

The Site outflow sampling occurred during a March 6, 2020 storm event. The outflow sample analytical results indicated that no PCBs were detected in the analyzed surface water sample at concentrations above the test method detection limits for the individual Aroclors. The absence of detectable PCBs in the outflow sample was compliant with the MTCA Method A Cleanup Level for PCBs in Ground Water. In addition, the absence of detectable PCBs in the outflow sample indicated that the 2013 Site stormwater management modifications were effective at mitigating impacts from any on-site discharge to the Duwamish Waterway, the outflow receiving waters.

RECOMMENDATIONS

The results of the Spectrum Stormwater Sampling indicated that surface water outflow from the Site is free of PCBs. Currently, we do not recommend any further environmental analysis of the subject property surface water outflow.

1 INTRODUCTION

Spectrum prepared this Final Report to document Stormwater Sampling at the Site, located at 703 South Monroe Street in Seattle, Washington 98108 (Figure 1). South Monroe LLC requested the Stormwater Sampling to meet the requirements of an ongoing Washington State Ecology VCP evaluation.

1.1 REPORT ORGANIZATION

This report begins with a Summary of Findings, documentation of earlier Site investigations, a summary of field services, general property overview, and a discussion of project area conditions and field observations. Subsequent sections present the elements of the Stormwater Sampling (outflow sampling methodology, laboratory analyses, and analytical results), as well as a regulatory review, project conclusions, and recommendations. Two figures, one table, and three supporting appendices follow the main text. Figure 1 is the property Location Map and Figure 2 is the Site Plot Plan. Table 1 presents the surface water outflow sample analytical results. A copy of the sample date weather data summary is in Appendix A, a copy of the analytical report is provided in Appendix B, and select photographs taken during the field investigation are presented in Appendix C.

1.2 INVOLVED PARTIES

The Site Owner, South Monroe LLC, selected Spectrum to conduct Stormwater Sampling at the Site as part of an ongoing Ecology VCP evaluation. Spectrum retained ESN of Lacy, Washington to provide environmental analytical services. ESN is a Washington State Department of Ecology accredited analytical laboratory.

1.3 PROJECT OBJECTIVES

The results of the Stormwater Sampling will be used to determine if surface water outflow from the Site is compliant with the State of Washington water quality statutes.

1.4 ENVIRONMENTAL BACKGROUND

In 2012, an “oily residue dripping into rainwater from an uncovered, empty metal container,” was observed at the Site (Pacific Crest Environmental 2017). Because of sampling results conducted by the City of Seattle, the site “was added to Ecology’s CSCSL in 2014 based on concentrations of PCBs above Washington State regulatory CULs” (Ecology 2013).

Stormwater generated on the Independent Metals Storage Lot primarily infiltrated into the subsurface. In the event of high intensity or prolonged periods of precipitation, stormwater accumulated on the surface of the Independent Metals Storage Lot and traveled as sheet flow to the storm drain located in the 7th Avenue South right-of-way (City of Seattle 2012).

In 2013, the Independent Metals Storage Lot was re-graded and soil berms were constructed along the north, east, and south parcel boundaries. The berms were constructed to capture onsite stormwater and reduce sheet flow into the 7th Avenue South storm drain. Additionally, a 6-foot wide by 1-foot deep fabric-lined trench backfilled with quarry spalls was installed along the 7th Avenue South property boundary to capture onsite stormwater (Figure 2). Independent Metals operated at the Independent Metals Storage Lot until early 2014 (Nisqually Environmental 2013).

1.5 SITE DESCRIPTION

The Site is a 0.5-acre King County commercial property located within a south Seattle neighborhood that is occupied by heavy industry and both, single- and multi-family residences. The Site is made up of three King County parcels (King County Parcel Numbers: 732790-1445, 732790-1465, and 732790-1475). The Site elevation is 13 feet AMSL. The Site is a gravel and dirt storage lot with frontages on South Monroe Street (north), South Elmgrove Street (south), and 7th Avenue South (west). No structures exist within the Site. The Site has a very slight south-southeast slope. There is one stormwater catch basin immediately west of the sole point of ingress/egress to the Site on 7th Avenue South (Figure 2).

2 SAMPLING OBJECTIVES AND PROCEDURES

The outflow sampling location and the sample analytical protocol have been selected to provide data consistent with the requirements of the Independent Metals Storage Lot Ecology VCP Response Plan (Ecology VCP RP 2020). Spectrum also reviewed the 2012 City of Seattle Stormwater Site stormwater report to incorporate pertinent information to the current Stormwater Sampling. In addition, the outflow sampling location was selected to represent stormwater downstream of the Site.

The Ecology VCP RP describes the criteria for sampling storm events and describes all relevant sampling, programming, and handling necessary to satisfy Ecology acceptable stormwater sampling.

2.1 STORM EVENT SAMPLED

During the March 6, 2020 sampling event, 0.48 inches of rain fell at Seattle Tacoma Airport. This rainfall total was 0.36 inches more than the historical average of 0.12 inches and 0.70 inches less than the record value of 1.18 inches in 1970. Storm precipitation values and the sampling routine met the criteria of the Ecology VCP RP. A copy of the sampling date weather data is provided in Appendix A.

2.2 REGULATORY REVIEW

The analytical results were compared to the MTCA Method A Cleanup Levels for Ground Water as there were no available non-bioassay CULs for PCBs in Surface Water.

3 STORMWATER SAMPLING FIELD WORK

3.1 SITE STORMWATER DISCHARGED

Spectrum field personnel walked the Site grounds and perimeter during a previous storm event to identify where runoff discharge (outfalls) from the Site existed. The selected outfall sampling location was a catch basin located immediately west of the sole point of ingress/egress from the Site on 7th Avenue South (Figure 2).

3.2 RECEIVING WATERS

The Site stormwater receiving waters is the Duwamish Waterway. The Duwamish Waterway is located approximately 1,730 feet (0.3-mile) due east of the Site.

3.3 OUTFLOW SAMPLING LOCATION

The Global Positioning System (GPS) coordinates in degrees, minutes, and seconds (DMS) for the Site surface water outflow sampling location are as follows:

Stormwater catch basin on 7th Avenue South - Longitude 47° 31' 51.4"; Latitude - 122° 19' 31.8". The catch basin elevation is approximately 13 feet AMSL¹. The GPS coordinates were downloaded using a Garmin Trex 30x hand-held GPS device. AMSL¹: above mean sea level.

3.4 DOCUMENTATION

Spectrum documented all field activities associated with the Stormwater Sampling. Documentation included a comprehensive discussion of field observations, including field parameter measurements, and any problems encountered.

All surface water sample containers were labeled with the following information:

- Project identification number;
- Sample date;
- Sampler's name; and
- Sample identification number.

Each sample collected was given a unique identification number as described below:

Project\Source\Source Location: For example, sample SM-SW-01 is a surface water sample collected for the South Monroe LLC (SM) project, collected for stormwater sampling (SW), and was the first (01) outflow sample collected from this surface water sampling location.

In addition, the sample chain-of-custody forms were completed with the Spectrum project identification number, the sampler's name, date, sample identification codes, number of containers, and date and time the sample was collected. The chain-of-custody form was included with samples transported to the analytical laboratory.

3.5 SAMPLE HANDLING AND SHIPPING

Spectrum field personnel checked all sample jars for completeness and cap tightness. The sealed sample containers were then placed upright in a cooler and chilled with Blue Ice. The sample cooler was then placed in a field vehicle to await transportation to the analytical laboratory. All samples collected were shipped under chain-of-custody to the ESN laboratory for analysis.

3.6 ANALYTICAL PROTOCOL

ESN tested the Site outflow sample for PCBs by EPA Test Method 8082.

4 FINDINGS

The following discussion includes results from the grab outflow sample. A copy of the Laboratory Report is provided in Appendix B.

4.1 ANALYTICAL RESULTS

The Site outflow water sample analytical results indicated that no PCBs were detected in the analyzed surface water sample at concentrations above the test method detection limits for the individual Aroclors. Table 1 presents the analytical results for the Stormwater sampling event.

5 REGULATORY REVIEW RESULTS

No PCBs were detected in the analyzed outflow water samples at concentrations above the test method detection limits for the individual Aroclors (Table 1). Therefore, the analyzed Site outflow sample was compliant with the MTCA Method A Cleanup Level for PCBs in Ground Water.

6 CONCLUSIONS

The Site outflow sampling occurred during a March 6, 2020 storm event. The outflow sample analytical results indicated that no PCBs were detected in the analyzed surface water sample at concentrations above the test method detection limits for the individual Aroclors. The absence of detectable PCBs in the outflow sample was compliant with the MTCA Method A Cleanup Level for PCBs in Ground Water. In addition, the absence of detectable PCBs in the outflow sample indicated that the 2013 Site stormwater management modifications were effective at mitigating impacts from any on-site discharge to the Duwamish Waterway, the outflow receiving waters.

7 RECOMMENDATIONS

The results of the Spectrum Stormwater Sampling indicated that surface water outflow from the Site is free of PCBs. Currently, we do not recommend any further environmental analysis of the subject property surface water outflow.

8 LIMITATIONS AND EXCEPTIONS

The conclusions and recommendations contained in this final report are based on professional opinions about the subject matter. These opinions have been arrived at in accordance with currently accepted hydrologic and engineering standards and practices applicable to this location and are subject to the following inherent limitations.

Accuracy of Information: Certain information used by Spectrum in this report has been obtained, reviewed, and evaluated from various sources believed to be reliable. Although the conclusions, opinions, and recommendations are based in part on such information, Spectrum did not include the verification of its accuracy or authenticity. Should such information prove to be inaccurate or unreliable, Spectrum reserves the right to amend or revise its conclusions, opinions, and/or recommendations.

The findings herein may only be accurate at the locations where overflow sampling was conducted. Spectrum makes no guarantee regarding the presence or absence of potential contaminants for which laboratory analyses were not conducted, or at locations from which samples were not collected.

9 REFERENCES

Aquarius Environmental. 2011. Independent Metals – Plant 1. Stormwater Characterization Site Map.

City of Seattle 2012. Letter to Larry Brewer, Independent Metals, Re: Environmental Compliance Inspection Results: Second and Final Notice. April 9, 2012.

City of Seattle 2015. Analytical Results.

Ecology 2013. NPDES Investigation Sampling Support. Storm Solids Grab Sample Results Compared to Dry Weight SMS/AET criteria or LDW RALs – 2013-08-14. August 14, 2013.

Ecology 2016. Site Hazard Assessment. Independent Metals Storage Lot 703 S. Monroe Street Seattle, WA 98108.

Ecology VCP RP 2020. Independent Metals Storage Lot Washington State Department of Ecology Voluntary Cleanup Program Response Plan. Project Number 19-001. January 17, 2020.

MTCA 2001. Washington State/Model Toxics Control Act (MTCA) Method A Cleanup Levels for Ground Water. WAC 173-340-900. October 2007.

U.S. EPA 1983. Methods for Chemical Analysis of Water and Wastes. Polychlorinated biphenyls Test Method 8082. U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati, Ohio.

U.S. EPA 1992. NPDES Storm Water Sampling Guidance Document. U.S. EPA Office of Water. EPA 833-B-92-001. July 1992.

USGS 7.5 Minute Quadrangle Seattle South, Washington 2014.

10 SIGNATURE

The undersigned prepared the STORMWATER SAMPLING Final Report.



Miguel A. Ortega

March 31, 2020

Date

Miguel A. Ortega, L.G.

Washington Licensed Geologist (Hydrogeology Specialty); License #534.

Washington State Site Assessor No. 8261734.

FIGURES

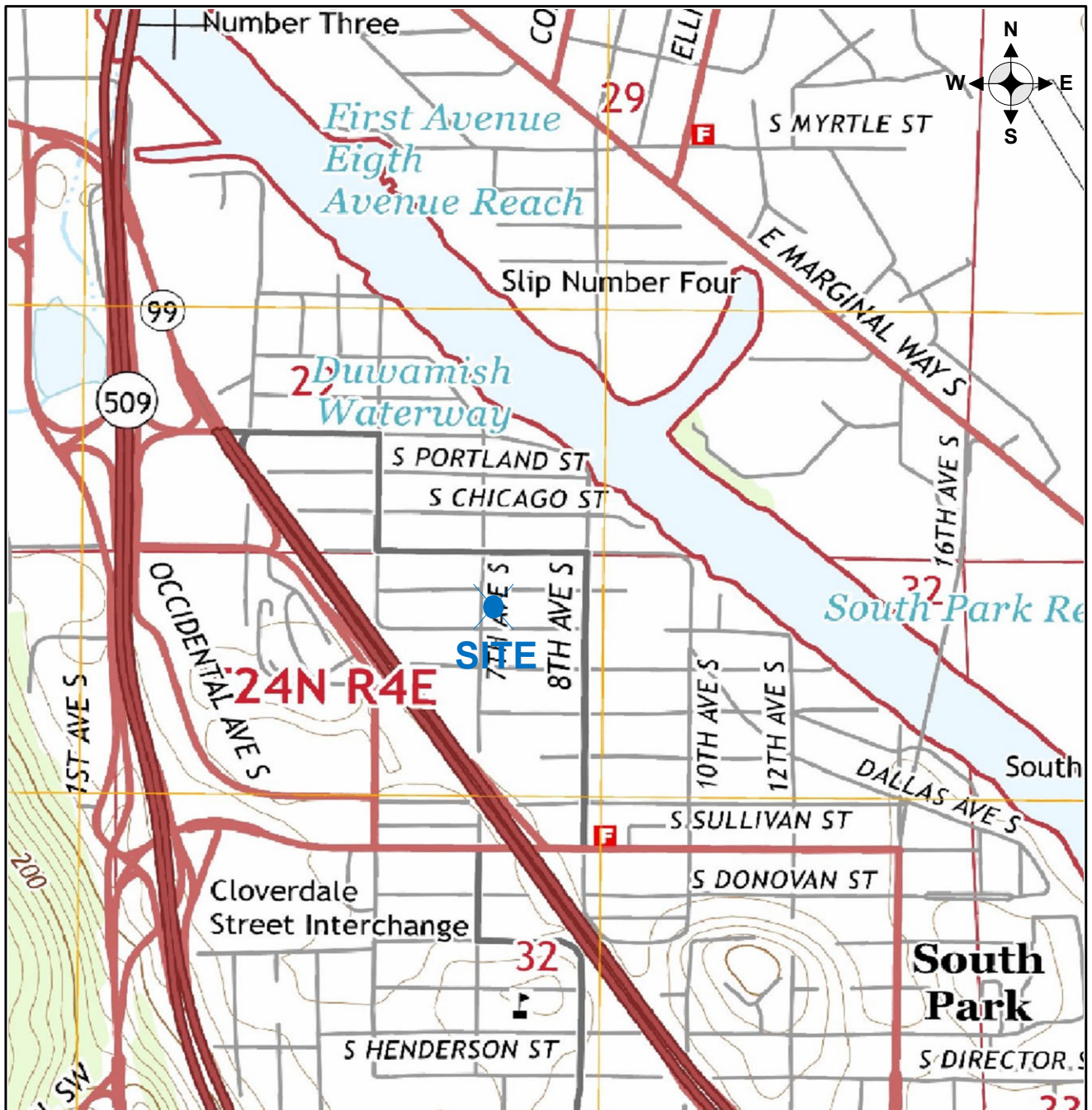


FIGURE 1

SOUTH MONROE, LLC
 INDEPENDENT METALS STORAGE LOT
 STORMWATER ASSESSMENT
 703 SOUTH MONROE STREET
 SEATTLE, WASHINGTON 98108

SITE LOCATION MAP

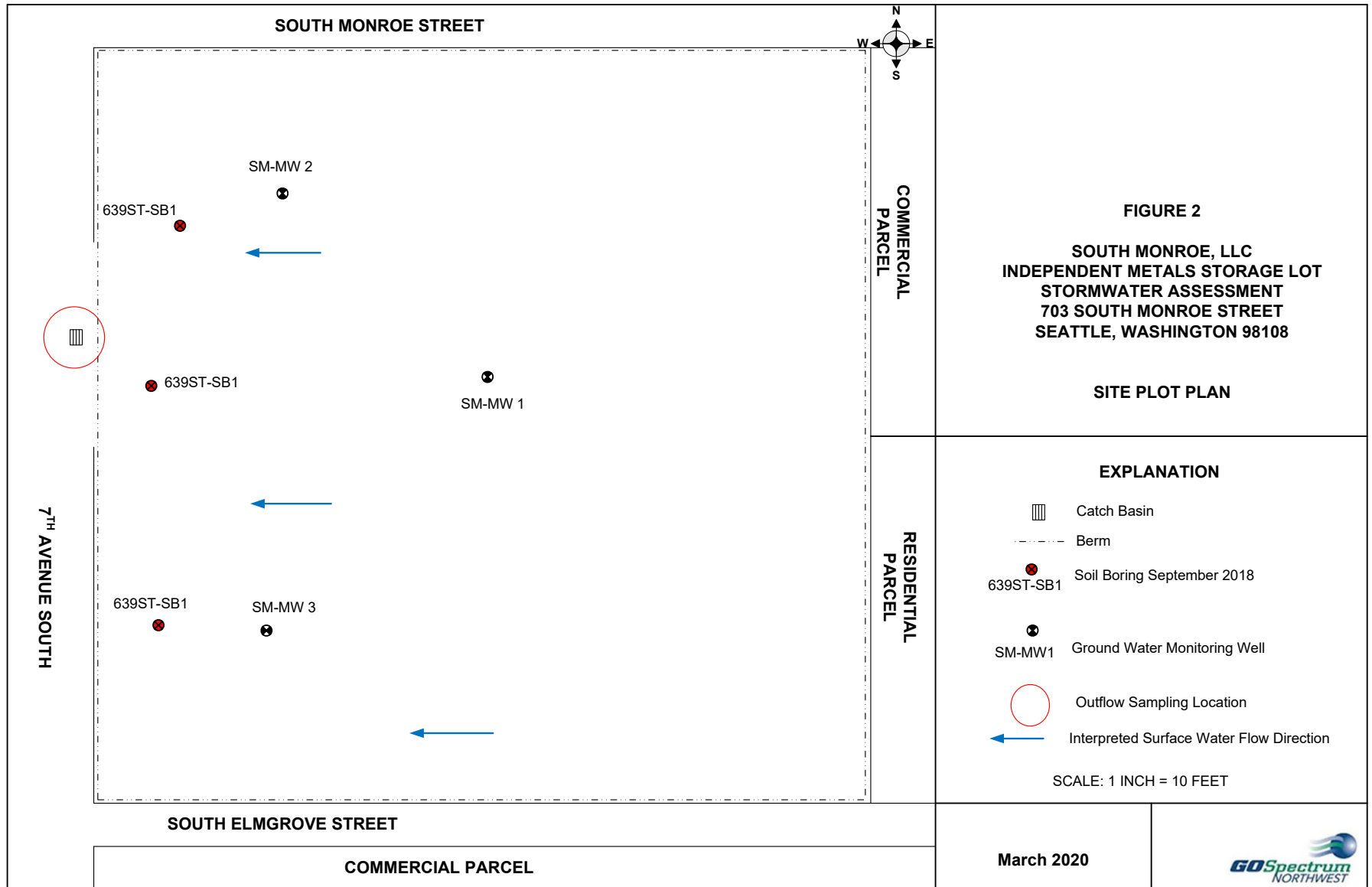








FIGURE 2

SOUTH MONROE, LLC
INDEPENDENT METALS STORAGE LOT
STORMWATER ASSESSMENT
703 SOUTH MONROE STREET
SEATTLE, WASHINGTON 98108

SITE PLOT PLAN

- EXPLANATION**
-  Catch Basin
 -  Berm
 -  639ST-SB1 Soil Boring September 2018
 -  SM-MW1 Ground Water Monitoring Well
 -  Outflow Sampling Location
 -  Interpreted Surface Water Flow Direction
- SCALE: 1 INCH = 10 FEET

TABLES

TABLE 1: OUTFLOW SAMPLE ANALYTICAL RESULTS PCBs¹

SAMPLE	SOURCE LOCATION	Aroclor - 1016 ²	Aroclor - 1221 ²	Aroclor - 1232 ²	Aroclor - 1242 ²	Aroclor - 1048 ²	Aroclor - 1054 ²	Aroclor - 1260 ²
SM-SW-01	Sample collected from stormwater catch basin located to the west of Site point of ingress/egress	ND ³	ND	ND	ND	ND	ND	ND
Test Method Detection Limits		0.05	0.05	0.05	0.05	0.05	0.05	0.05
⁵ Washington Model Toxics Control Act (MTCA) Method A Ground Water Cleanup Levels (August 15, 2001).		0.1	0.1	0.1	0.1	0.1	0.1	0.1

EXPLANATION

¹Polychlorinated biphenyls (PCBs) by EPA Test Method 8082;

²Analytical values reported in micrograms per liters (µg/L);

³ND - Not Detected, below Test Method Detection Limit;

⁴**Bold**- signifies exceedance of regulatory cleanup level; and

⁵MTCA - Washington Model Toxics Control Act (MTCA) Method A Cleanup Levels for Ground Water (WAC 173-340-900); No surface water regulatory Clean up levels (CULs) available.

APPENDIX A: PROJECT DOCUMENTATION

These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - <http://www.ncdc.noaa.gov>.

Climatological Report (Daily)

824
CDUS46 KSEW 070826
CLISEA

CLIMATE REPORT
NATIONAL WEATHER SERVICE SEATTLE WA
1226 AM PST SAT MAR 7 2020

.....
...THE SEATTLE-TACOMA WA AIRPORT CLIMATE SUMMARY FOR MARCH 6 2020...

CLIMATE NORMAL PERIOD 1981 TO 2010
CLIMATE RECORD PERIOD 1945 TO 2020

WEATHER ITEM	OBSERVED TIME VALUE (LST)	RECORD YEAR VALUE	NORMAL VALUE	DEPARTURE FROM NORMAL	LAST YEAR
--------------	------------------------------	----------------------	-----------------	--------------------------	--------------

.....
TEMPERATURE (F)

YESTERDAY

MAXIMUM	43	805 PM	68	2007	52	-9	40
MINIMUM	39	1027 AM	26	1951	38	1	34
AVERAGE	41				45	-4	37

PRECIPITATION (IN)

YESTERDAY	0.48	1.18	1970	0.12	0.36	0.12
MONTH TO DATE	0.90			0.77	0.13	0.12
SINCE OCT 1	27.52			25.24	2.28	23.85
SINCE JAN 1	14.18			9.84	4.34	8.57

SNOWFALL (IN)

YESTERDAY	MM	2.1	1951			T
MONTH TO DATE	0.0					T
SINCE OCT 1	0.7					20.2
SINCE JUL 1	0.7					20.2
SNOW DEPTH	0					

DEGREE DAYS

HEATING

YESTERDAY	24			20	4	28
MONTH TO DATE	121			120	1	149
SINCE MAR 1	121			120	1	149
SINCE JUL 1	3053			3374	-321	3127

COOLING

YESTERDAY	0			0	0	0
MONTH TO DATE	0			0	0	0
SINCE MAR 1	0			0	0	0
SINCE JAN 1	0			0	0	0

.....

WIND (MPH)

RESULTANT WIND SPEED	2	RESULTANT WIND DIRECTION	W (250)
HIGHEST WIND SPEED	10	HIGHEST WIND DIRECTION	W (260)
HIGHEST GUST SPEED	12	HIGHEST GUST DIRECTION	SW (240)
AVERAGE WIND SPEED	3.5		

SKY COVER

AVERAGE SKY COVER 1.0

WEATHER CONDITIONS

THE FOLLOWING WEATHER WAS RECORDED YESTERDAY.

LIGHT RAIN
FOG

RELATIVE HUMIDITY (PERCENT)

HIGHEST	96	100 AM
LOWEST	76	700 PM
AVERAGE	86	

THE SEATTLE-TACOMA WA AIRPORT CLIMATE NORMALS FOR TODAY

	NORMAL	RECORD	YEAR
MAXIMUM TEMPERATURE (F)	52	66	2001
MINIMUM TEMPERATURE (F)	38	26	1951

SUNRISE AND SUNSET

MARCH 7 2020.....	SUNRISE	637 AM PST	SUNSET	604 PM PST
MARCH 8 2020.....	SUNRISE	735 AM PDT	SUNSET	706 PM PDT

- INDICATES NEGATIVE NUMBERS.
- R INDICATES RECORD WAS SET OR TIED.
- MM INDICATES DATA IS MISSING.
- T INDICATES TRACE AMOUNT.

The U.S. Naval Observatory (USNO) data is currently unavailable. The links provided are from other US Government sources. When USNO data is returned to service, the links will be updated.

APPENDIX B: COPY OF THE ANALYTICAL REPORT



DRAGON ANALYTICAL LABORATORY

627 Durell Road SE, STE B105, Tumwater, WA 98501 (360)866-0543
Customerservice@DragonLaboratory.com



Hazardous Waste, Microbiology, NPDES, Potable and Non-potable Water
Mobile Environmental Laboratory

ESN Northwest
1210 Eastside Street SE, Suite 200
Olympia, WA 98501

Sampled By: Miguel

DAL Project No.: 200311-16

Project Name: SM-SW-01

Project No.: n/a

P.O. No.: n/a

Date Collected: Unknown

Date Received: 3/11/2020; 13:46

Temperature Received (°C): 15

Report Date: 3/17/2020

Preparation Method: US EPA 8082

Analytical Method: US EPA 8082

Date Prepared: 3/17/2020

Date Analyzed: 3/17/2020

Analyst: BS

Data Reviewed By:

Units: µg/L

Matrix: Waste Water

Reporting Limits: Standard

Injection Volume: 2 µL

Instrument ID: Agilent 9074

Lab Data File: 20031701

PCB's ANALYTICAL RESULTS

Sample Identification	CAS No.	MRL	Method Blank	SM-SW-01	SM-SW-01 Dup.
PCB Aroclor 1016	12674-11-2	0.05	nd	nd	nd
PCB Aroclor 1221	1104-28-2	0.05	nd	nd	nd
PCB Aroclor 1232	11141-16-5	0.05	nd	nd	nd
PCB Aroclor 1242	53469-21-9	0.05	nd	nd	nd
PCB Aroclor 1248	12672-29-6	0.05	nd	nd	nd
PCB Aroclor 1254	11097-69-1	0.05	nd	nd	nd
PCB Aroclor 1260	11096-82-5	0.05	nd	nd	nd
PCB Aroclor 1262	37324-23-5	0.50	nd	nd	nd
PCB Aroclor 1268	11100-14-4	0.50	nd	nd	nd
Concentration Factor				182.5	182.5
Data Flags					



DRAGON ANALYTICAL LABORATORY

627 Durell Road SE, STE B105, Tumwater, WA 98501 (360)866-0543
Customerservice@DragonLaboratory.com



Hazardous Waste, Microbiology, NPDES, Potable and Non-potable Water
Mobile Environmental Laboratory

ESN Northwest
DAL Project No.: 200311-16

Project Name: SM-SW-01
Project No.: n/a

PCB's QUALITY CONTROL RESULTS

SURROGATE RECOVERY

Surrogate	Limits (%)	Method		
		Blank	SM-SW-01	SM-SW-01 Dup.
TCMX	30-150	103	112	105
DCBP	30-150	107	89.9	105

LABORATORY CONTROL SAMPLE AND MATRIX SPIKE

QC Batch ID: 200317-PCB

MS/MSD Sample ID: 200317-PCB MS/MSD

LCS Sample ID: 200317-PCB LCS

Analyte	MS/MSD Limits (%)	MS/MSD Level (µg/L)	Sample Conc. (µg/L)	MS Recovery (µg/L)	MS Percent Recovery	MSD Recovery (µg/L)	MSD Percent Recovery	MS/MSD RPD Limits	MS/MSD RPD	LCS Limits (%)	LCS Level (µg/L)	LCS Recovery (µg/L)	LCS Percent Recovery
PCB Aroclor 1016	ISV	ISV	ISV	ISV	ISV	ISV	ISV	ISV	ISV	50-120	400	399	99.8%
PCB Aroclor 1260	ISV	ISV	ISV	ISV	ISV	ISV	ISV	ISV	ISV	50-120	400	382	95.5%

WA-DOE-Laboratory Certification No.: C890

"nd" indicates the analyte was not detected at or above the listed Method Reporting Limit.

"n/a" indicates not applicable

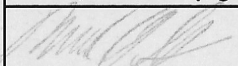
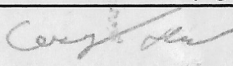
Comments and Explanations: "ISV" indicates there was Insufficient Sample Volume to perform a matrix spike and matrix spike duplicate.

CHAIN-OF-CUSTODY RECORD

CLIENT: GO Spectrum NW
 ADDRESS: 14777 NE 40th St. STE 301 Bellevue WA 98007
 PHONE: 425-209-1409 EMAIL: miguel@gospectrumnw.com
 CLIENT PROJECT #: 19-001 PROJECT MANAGER: M. Ortega

DATE: 3/6/20 PAGE 1 OF 1
 PROJECT NAME: Independent Metals Storage Unit
 LOCATION: Seattle WA
 COLLECTOR: M. Ortega DATE OF COLLECTION: 3/6/20

Sample Number	Depth	Time	Sample Type	Container Type	TPH-HCl	TPH-DIESEL AND OIL	TPH-GASOLINE	BTEX 8260	VOC 8260Cl	VOC 8260	SEMI-VOC 8270	PAH's 8270	PCB's 8082	CL PESTICIDES 8081	RCRA 8 Metals	MTCA 5 Metals	Pb	ASBESTOS-PLM	GRO Suite 830-1	DRO Suite 830-1	WO Suite 830-1		
1. SM-SW-01	-	0900	Water	1/2 Lamber									X										
2.																							
3. SM-MW1-01	13.7	1740	Water	1-VOL											X								Silica Screen
4. SM-MW2-02	7.18	1640	↓	↓																			↓
5. SM-MW3-01	12.7	1840	↓	↓																			↓
6.																							
7.																							
8.																							
9.																							
10.																							
11.																							
12.																							
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17.																							
18.																							

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME	SAMPLE RECEIPT		LABORATORY NOTES:
	3/6/20 1410		3/6/20 7:10 PM	TOTAL NUMBER OF CONTAINERS		
				CHAIN OF CUSTODY SEALS Y/N/NA		
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME	SEALS INTACT? Y/N/NA		
				RECEIVED GOOD COND./COLD		
				NOTES:		Turn Around Time: 24 HR 48 HR 5 DAY

APPENDIX C: PROJECT PHOTOGRAPHS



Photograph 1: View of outflow sample jar and sampled 7th Avenue South stormwater catch basin grate.



Photograph 2: View of outflow sampling at the 7th Avenue South stormwater catch basin grate.