# SUBSURFACE PHASE II ENVIRONMENTAL SITE ASSESSMENT

### 166 EAST 4TH STREET DUNKIRK, CHATAUQUA COUNTY, NEW YORK

Prepared for:

Regan Development Corporation 1055 Saw Mill River Road #204 Ardsley, NY 10502

#### Prepared by:



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#### 1.0 INTRODUCTION

Brydges Engineering in Environment and Energy (BE3) completed a Phase II Environmental Site Assessment (ESA) for the property located at 166 East 4th Street, Chautauqua County, New York (refer to **Figure 1**). The Subsurface Assessment/Phase II ESA was completed in accordance with ASTM E1903 - Standard Guide for Environmental Site Assessments: - Phase II Environmental Site Assessment Process and in general accordance with the most current updates of New York State Department of Environmental Conservation NYSDEC Division of Environmental Remediation's (DER's) Technical Guidance for Site Investigation and Remediation (DER-10).

This assessment included an investigation across the property (refer to **Figure 2**). The purpose of the assessment was to obtain information and data for assessing the properties' potential eligibility for the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP).

#### 1.1 BACKGROUND

#### 1.1.1 General Site Setting

The subject property is bounded to the west by TCC Health Care Facility and Lakeshore Orthopedics and Sports Medicine; to the south by a bank; to the east by a Save a Lot and parking area; and to the north by East 3<sup>rd</sup> Street. Residential properties are located north of East 3<sup>rd</sup> Street and south of East 4<sup>th</sup> Street.

#### 1.1.2 Physical Setting

The subject property is 2.15-acres containing a structure that includes two storefronts in the eastern central portion of the property connected to a larger commercial plaza. Surrounding the structure is an asphalt parking lot in the south and a section of greenspace to the north. The property is at an elevation of 599 feet, and located at 42° 29' 5.05" N; Longitude 79° 19' 50.00" W.

#### 1.1.3 Historical Use

Historical records including street directories and Sanborn Maps suggest that the property was mixed use residential/commercial. Sanborn maps indicate that from 1888 to 1964, the subject property contained several residences. The area was redeveloped into commercial buildings which can be seen in aerial photographs dating back to 1985. Historical street directories indicate the subject property has been occupied by a Family Dollar store from 1985 to 2020 and a VA clinic from 2010 to 2020. The VA clinic is currently vacant, and the Family Dollar store is occupied.

#### 1.1.4 Contaminants of Concern

The Phase I ESA previously completed at the subject property suggests there were potential environmental impacts associated with fill materials, historic petroleum storage use, and historic cleaners at properties adjacent to the subject property. Potential contaminants include metals, polycyclic aromatic hydrocarbons (PAHs), petroleum and solvents.



#### 1.2 SCOPE

The purpose of the assessment was to assess the nature and extent of environmental impacts for the purpose of entering the NYSDEC brownfield cleanup program (BCP). This was completed by performing a field assessment of near surface/subsurface soil and overburden groundwater if encountered.

#### 1.3 PREVIOUS INVESTIGATIONS

A previous Phase I environmental site assessment was performed by BE3 in June 2023 on the subject property. The objective was to identify the presence or likely presence of recognized environmental conditions (RECs). The following RECs and business environmental risks (BERs) were identified:

- **REC** Adjacent property located at 131 East 4<sup>th</sup> Street was identified as a historic auto filling station that may represent a potential vapor concern for the subject property.
- REC Adjacent property located at 103 East 4<sup>th</sup> Street was identified as a historic auto filling station. An underground storage tank (UST) was identified on a 1947 Sanborn map. Although no associated spills exist, there are no closure records indicating the UST was properly removed. Thus, this may represent a potential vapor concern for the subject property.
- **BER** Adjacent property located at 157 East 4<sup>th</sup> Street was identified as a historic cleaner that may represent a potential vapor concern for the subject property.
- **BER** Adjacent property located at 159 East 4<sup>th</sup> Street was identified as a historic cleaner that may represent a potential vapor concern for the subject property.

#### 2.0 FIELD INVESTIGATIONS

The subsurface assessment field work for the subject property was completed on September 1, 2023. Prior to conducting the Phase II ESA, the utility locate center was notified to mark underground utilities on the property. The following is a summary of the Phase II tasks.

#### 2.1 SOIL SAMPLING

BE3 completed an assessment of subsurface soils by advancing a total of fifteen soil borings at specific locations across the property. (See **Figure 2**). A total of 12 soil grab samples from borings were collected for laboratory analysis.

Soil borings were field located to assess subsurface soil specific to previous property use and to ensure coverage across the property. Boring depths ranged from 10 to 16 feet below ground surface (bgs). The borings were completed using a Geoprobe® unit which employs direct push technology. Continuous soil sampling was performed using Macro Core soil samplers measuring approximately 44 inches in length and 1½ inches in diameter with acetate liners resulting in approximately 4-foot length distinct sample cores (i.e., 0 to 4 feet, 4 to 8 feet, 8 to 12 feet). Each of the samplers was fitted with a new acetate liner prior to use. A photolog of field activities is included in **Appendix A.** Stratification of material observed in each boring are noted on boring logs included in **Appendix B**.



Soil from each soil core was field screened for volatile organic compounds (VOCs) using a MiniRae 3000+ photoionization detector (PID) with a 10.6 eV Lamp and by visual and olfactory observations. Soil cores from borings were transported to a staging area adjacent to each borehole. The soil core was opened, and the length of the core was examined visually and with PID. Odors, PID results, and observations were noted on the boring logs. Based on the previous criteria results, a total of twelve (12) grab subsurface soil samples were collected as follows:

- BH-1 at 1-2 feet below ground surface (bgs). Total depth of boring was 10 feet bgs;
- BH-2 at 1-2 feet bgs. Total depth of the boring was 10 feet bgs;
- BH-3 at 2-2.5 feet bgs. Total depth of boring was 10 feet bgs;
- BH-5 at 1-2 feet bgs. Total depth of boring was 10 feet bgs;
- BH-6 at 1-3 feet bgs. Total depth of the boring was 10 feet bgs;
- BH-7 at 1-2.5 feet bgs. Total depth of the boring was 10 feet bgs;
- BH-8 at 1-2 feet bgs. Total depth of the boring was 10 feet bgs;
- BH-9 at 1-2 feet bgs. Total depth of the boring was 10 feet bgs;
- BH-10 at 1-2 feet bgs. Total depth of the boring was 10 feet bgs;
- BH-11 at 1-2 feet bgs. Total depth of the boring was 10 feet bgs;
- BH-12 at 1-2 feet bgs. Total depth of the boring was 10 feet bgs;
- BH-13 at 1-3 feet bgs. Total depth of the boring was 10 feet bgs;
- BH-14 no sample. Total depth of the boring was 16 feet bgs;
- BH-15 no sample. Total depth of the boring was 14 feet bgs;

All soil borings were backfilled with the soil from the boring. The soil samples were submitted to Eurofins Buffalo Laboratory, a NYSDEC approved laboratory, for analysis.

#### 2.2 GROUNDWATER SAMPLING

Temporary groundwater monitoring micro-wells were installed in boring BH-14 and BH-15 where there was presumed to be enough groundwater encountered at the completion depth to sample. No elevated PID readings were detected. The wells were removed, and borings filled after sampling.

Each well consisted of a 1-inch diameter, schedule 40 PVC casing equipped with a 10-foot, 100-slot screen and a solid PVC riser pipe extending to the surface. The well screen was positioned in the water bearing zone to the bottom of the borehole to ensure assessment potential for contaminants. Two groundwater samples were collected using a bailer from BH-14/MW-1 and BH-15/MW-2.

#### 2.3 SUBSURFACE CONDITIONS

The borings indicate that subsurface conditions generally consisted of urban fill with brown to black silty clayey sand with some debris such as brick and concrete. Fill depths ranged from 0 to 2.5 bgs. Below the fill in most locations was stiff red-brown and gray silty clay or clayey silt. During boring operations, refusal of the drill rig was observed at 14-16 feet bgs potentially indicating bedrock depth. Refer to borehole logs in **Appendix B.**)

#### 3.0 RESULTS



The results of the Phase II assessment indicated the following:

- Fill exists across the property to approximately 2.5 feet bgs in most locations.
- The fill contains elevated levels of metals and SVOCs above restricted residential and industrial SCOs. Metals and VOCs were detected in the groundwater above TOGS values in addition to tentatively identified volatile compounds indicating the presence of weathered petroleum/fossil fuels.

#### 3.1 SOIL

A total of twelve (12) soil samples were collected for analysis. All soil samples were analyzed for NYSDEC Part 375 metals by EPA Method 6010C and 7471B, NYSDEC Part 375 SVOCs by EPA Method 8270D, NYSDEC Part 375 VOCs and TICS by EPA Method 8260 C, and NYSDEC Part 375 Pesticides by EPA Method 8081B.

The analytical soil results were compared to the NYSDEC restricted residential, commercial, and industrial Soil Cleanup Objectives (SCOs) listed in Table 375-6.8(a) and (b) of 6 NYCRR Part 375 (current). The SCOs are listed in **Table 1**. A copy of the laboratory report is provided in **Appendix C**.

#### <u>Metals</u>

Metal compounds were observed in all soil samples analyzed. A summary of metals above NYSDEC restricted residential/industrial SCOs is provided in **Table 1** and **Figure 2**.

The following results were above restricted residential SCO:

- Lead was above restricted residential SCOs in sample BH-3 (429 ppm vs SCO 400ppm)
- Mercury was above restricted residential SCOs in sample BH-5 (0.85 ppm vs SCO 0.81 ppm)

The following results were above industrial SCO:

 Arsenic was above industrial SCOs in sample BH-10 and BH-12 (maximum of 17.2 ppm vs SCO 16 ppm)

#### Semi-Volatile Organic Compounds (SVOCs)

SVOC compounds were observed in all soil samples analyzed. A summary of SVOC above NYSDEC restricted residential SCOs is provided in **Table 1** and **Figure 2**.

Benzo(a)pyrene was above industrial SCO in samples BH-1 (4.8 ppm vs SCO 1.1 ppm)

The following results were above restricted residential SCO:

- Benzo(a)anthracene was above restricted residential SCOs in sample BH-1 (4.3 ppm vs SCO 1 ppm)
- Benzo(a)pyrene was above restricted residential in BH-5 (1 ppm vs SCO 1 ppm)



- Benzo(b)fluoranthene was above restricted residential SCOs in samples BH-1, BH-2 and BH-5 (maximum of 5.4 ppm vs SCO 1 ppm)
- Chrysene was above restricted residential SCOs in sample BH-1 (4.2 ppm vs SCO 3.9 ppm)
- Fluoranthene was above restricted residential SCOs in sample BH-1 (110 ppm vs SCO 100 ppm)
- Indeno(1,2,3-cd)pyrene was above restricted residential SCOs in samples BH-1, BH-2 and BH-5 (maximum of 2.9 ppm vs SCO 0.5 ppm)

#### **Volatile Organic Compounds (VOCs)**

Odors and elevated PID readings were not observed in field activities. No VOCs were detected in the soil samples above restricted residential SCOs.

#### **Chlorinated Pesticides**

Pesticide compounds were detected in several soil samples analyzed; however, none were above restricted residential SCO values. A summary of the results is provided in **Table 1**.

#### 3.2 GROUNDWATER

Groundwater samples were analyzed for NYSDEC Part 375 VOCs and TICs by EPA Method 8260C, NYSDEC Part 375 SVOCs by EPA Method 8270D, NYSDEC Part 375 Pesticides by EPA Method 8081 B, and NYSDEC Part 375 Metals by EPA Method 6010C. These results were compared to the Class GA Groundwater Quality Standards (GWQS) per NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values.

Analytical results discussed below are provided in **Table 2** and on **Figure 2** and a copy of the laboratory report is provided in **Appendix C**.

#### **Metals**

The following metal compounds were detected in MW-1 above NYSDEC TOGS guidance values:

- Arsenic exceeded TOGS in samples MW-1 and MW-2 (35 and 31 μg/L respectively vs TOGS 25 μg/L).
- Barium is at TOGS in sample MW-1 (1,000 μg/L vs TOGS 1,000 μg/L).
- Beryllium exceeded TOGS in sample MW-1 (7.6 μg/L vs TOGS 3 μg/L).
- Chromium exceeded TOGS in sample MW-1 (95 μg/L vs TOGS 50 μg/L).
- Lead exceeded TOGS in sample MW-1 and MW-2 (78 and 150  $\mu$ g/L respectively vs TOGS 25  $\mu$ g/L).
- Manganese exceeded TOGS in sample MW-2 (3,000 μg/L vs TOGS 300 μg/L).
- Nickel exceeded TOGS value in sample MW-1 (140 μg/L vs TOGS 100 μg/L).

#### **Chlorinated Pesticides**



Pesticide compounds were not detected in the samples collected.

#### Semi-Volatile Organic Compounds (SVOCs)

No SVOCs were detected in groundwater samples collected.

#### **Volatile Organic Compounds (VOCs)**

Odors and elevated PID readings were not observed in field activities. The following VOC compounds were detected above NYSDEC TOGS guidance values:

- 1,2,4-Trimethylbenzene exceeded TOGS in sample MW-2 (8.4 μg/L).
- Xylenes (Total) exceeded TOGS in sample MW-2 (8.7 μg/L).

The following tentatively identified compounds (TICs) were detected indicating the presumptive evidence of weathered petroleum/fossil fuel compounds:

- Methylcyclohexane was detected in MW-2 at 5.5 μg/L.
- 2-methylbutane was detected in MW-2 at 6.7 μg/L.
- Pentane was detected in MW-2 at 9.9 μg/L.
- 2-methylpentane was detected in MW-2 at 6.8 μg/L.
- Methylcylopentane was detected in MW-2 at 17 μg/L.
- Cyclohexane was detected in MW-2 at 21 μg/L.
- Isopropylcylobutane was detected in MW-2 at 8.3 μg/L.
- Methylcyclohexane was detected in MW-2 at 37 μg/L.
- 1,4-dimethylcyclohexane was detected in MW-2 at 6.8 µg/L.

#### 4.0 CONCLUSIONS

The purpose of this assessment was to identify potential environmental impacts at 166 East 4th Street in Dunkirk, New York. The property was previously mixed use residential and commercial. Adjacent property uses as historic filling stations and historic cleaners are considered RECs and BERs as identified in the previous Phase I ESA.

The laboratory results indicate that there are urban fill conditions existing at the property ranging from at least 1-2.5 feet bgs resulting in a few metals and several SVOC compounds above NYSDEC restricted residential SCOs. One metal compound (arsenic) and one SVOC (Benzo(a)pyrene) was detected above industrial SCOs (see **Table 1**). TOGS values for several metals were exceeded in both monitoring wells and two volatile compounds were also exceeded in monitoring well (MW-2) (see **Table 2**).

Historical use, previous environmental investigations, and this assessment indicate environmental impacts exist on the property in soils and groundwater above NYSDEC restricted residential SCOs, industrial SCOs and TOGS. In addition, several tentatively identified compounds were identified in monitoring well (MW-2) indicating the presumptive evidence of



additional fossil fuel compounds.

#### 5.0 WARRANTS AND LIMITATIONS

This report is based on information from limited soil sampling and visual observations of the soils as well as a review of a previous Phase I ESA at the property. This report is intended exclusively for the purpose outlined herein at the site location and project indicated.

This report is intended for the sole use of Regan Development Corporation. The scope of services performed in this assessment may not be appropriate to satisfy the needs of other users and any use or reuse of this document or the findings, conclusions, or recommendations presented, is at the sole risk of the user.

The conclusions set forth in this report are based upon, and limited by, the analytical data and other information available. It should be noted that all surface and subsurface environmental assessments are inherently limited in the sense that conclusions are drawn, and recommendations developed from information obtained from limited data and site evaluation at a specific time. The passage of time may result in a change in environmental circumstances at this site and surrounding properties, or petroleum/hazardous materials beneath the surface may be present but undetectable during this limited subsurface assessment.

Opinions and recommendations presented herein apply to the site conditions existing at the time of the subsurface assessment and those reasonably foreseeable. They cannot necessarily apply to site changes, which are not made aware and therefore not been evaluated.

#### 6.0 PROFESSIONAL STATEMENT/SIGNATURE

This subsurface assessment at 166 East 4th Street, Dunkirk, New York was performed in conformance with the scope and limitations of ASTM Practice E 1903-11 for the specific objectives specified in the report and was completed based on the scope of work provided by the banks' consultant. I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in 312.10 of 40CFR312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquires in conformance with the standards and practices set forth in 40 CFR 312.

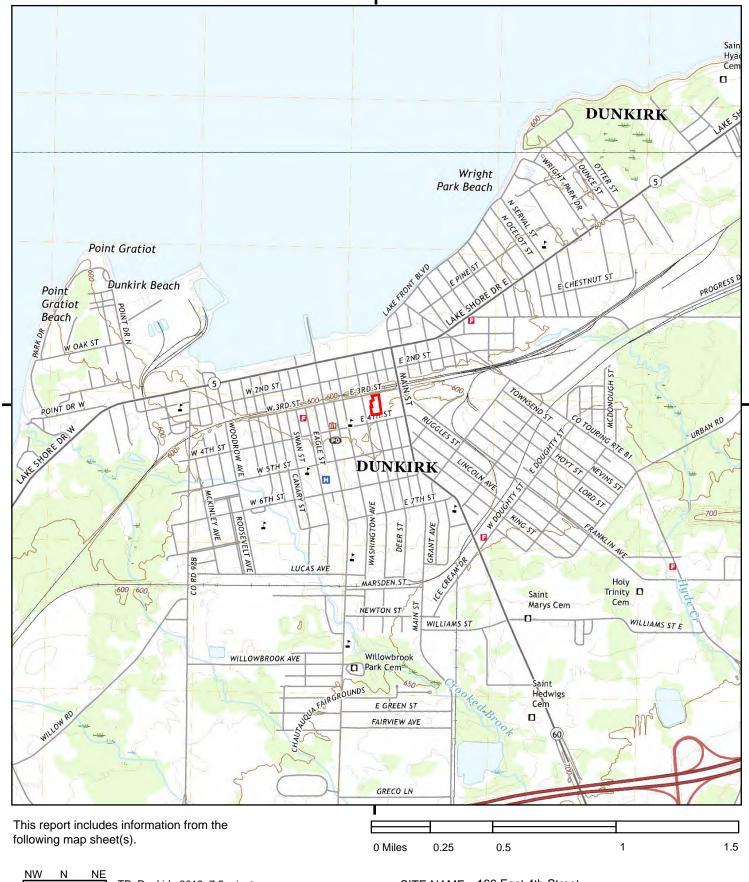
Jn M Gr	09/26/2023
Jason Brydges, PE	Date



## **FIGURES & TABLES**







W S SE

TP, Dunkirk, 2019, 7.5-minute N, North of Dunkirk, 2019, 7.5-minute

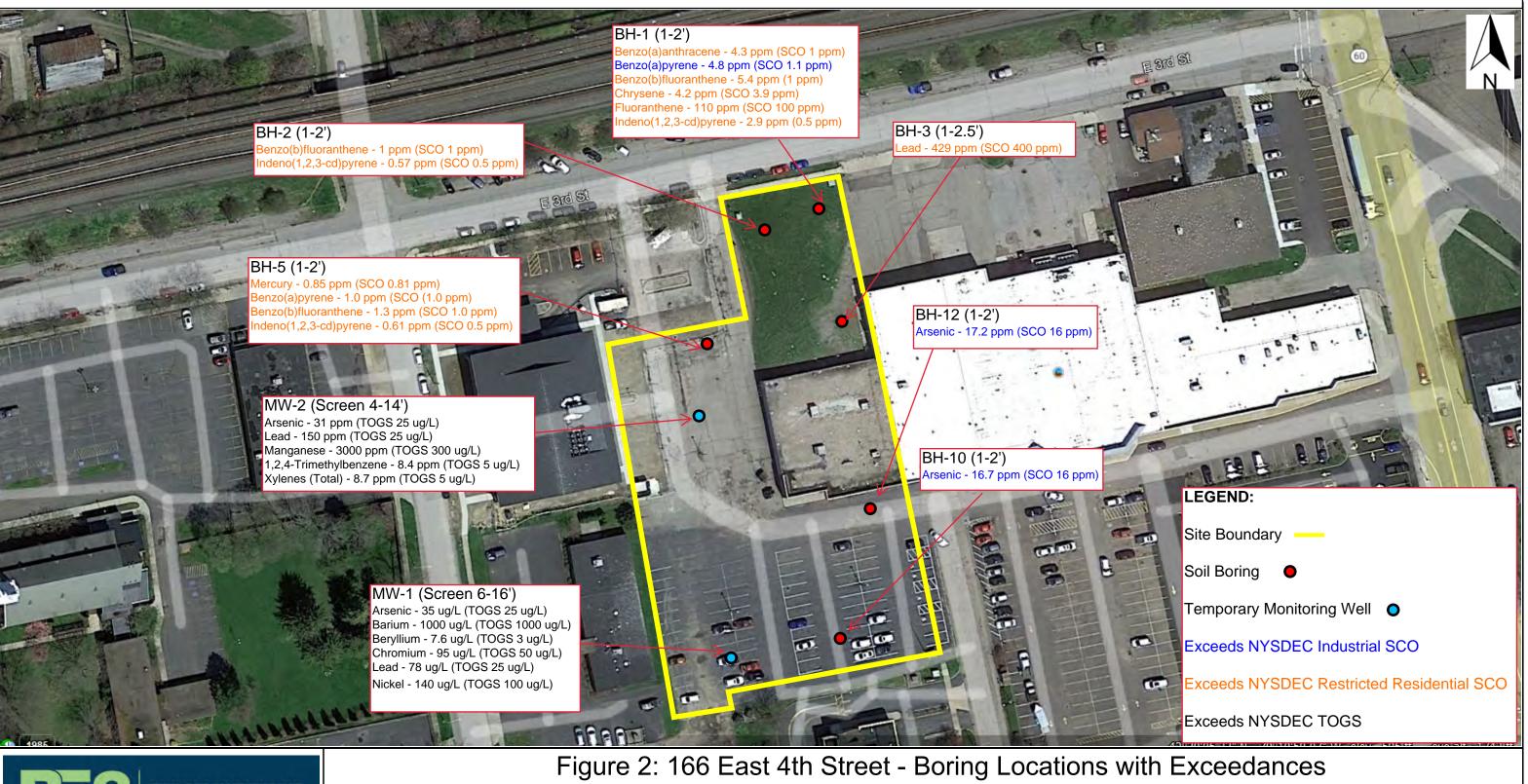
SITE NAME: 166 East 4th Street ADDRESS: 166 East 4th Street

Dunkirk, NY 14048

CLIENT: BE3



## Figure 2: 166 East 4th Street - Boring Locations with Exceedances





166 East 4th Street	9/21/2023
Dunkirk, New York	Regan Developmen

TABLE 1 SUMMARY OF SOIL ANALYTICAL RESULTS

		BE3 166 E 4th St	reet Phase II - Sample	NYSDEC	NYSDEC Soil Cleanup Objectives (SCOs)				
Parameter Tested	BH-1	BH-2	BH-3	BH-5	BH-10	BH-12	Restricted		
	1-2'	1-2'	1-2.5'	1-2'	1-2'	1-2'	Residential	Commonical	la di satula l
			8/31/202		ANUCC		Kesidentiai	Commerical	Industrial
	12.2	42.2		/IETALS/INORG		47.0	1.0	1.6	4.6
rsenic	13.3	12.2	11.5	11.5	16.7	17.2	16	16	16
arium	137.0	112.0	195.0	264.0	299.0	372.0	400	400	10,000
eryllium	1.4	0.69	0.70	0.77	0.83	1.60	72	590	2,700
Cadmium	0.4100	0.34	0.94	0.98	0.37	0.18 J	4.3	9.3	60
Chromium	23.6	14.6	21.1	27.3	30.2	21.1	180	1,500	6,800
opper	33.6	45.6	53.8	54.0	84.8	23.5	270	270	10,000
ead	115	37	429.0	243.0	240	11.7	400	1,000	3,900
/langanese	916 B	403 B	338 B	546 B	148 B	112 B	2,000	10,000	10,000
/lercury	0.38 F1	0.03	0.75	0.85	0.24	0.025	0.81	2.8	5.7
lickel	32.8	41.8	21.1	23.7	26.0	21.6	310	310	10,000
elenium	ND	ND	ND	2.2 J	1.5 J	9.00	180	1,500	6,800
ilver	ND	ND	ND	ND	ND	ND	180	1,500	6,800
inc	149	90.9	361.0	806.0	138.0	20.6	10,000	10,000	10,000
		30.3		E ORGANIC COI			10,000	10,000	20,000
cenaphthylene	1.2 J F1	0.26 J	ND	ND	ND	ND I	100	500	1,000
inthracene	1.2 J F1	ND	ND	ND	ND	ND	100	500	1,000
enzo(a)anthracene	4.3 F1	0.7 J	0.6 J	0.890 J	0.094 J	0.380 J	1	5.6	11
enzo(a)pyrene	4.8 F1	0.85 J	0.6 J	1J	0.110 J	ND ND	1	1	1.1
lenzo(b)fluoranthene	5.4 F2 F1	1 J	0.670 J	1,3 J	0.110 J	ND ND	1	5.6	11
enzo(g,h,i)perylene	3.4 F1	0.680 J	0.490 J	0.780 J	0.130 J	ND ND	100	500	1,000
	2.7 F1			0.660 J	0.064 J	ND ND	3.9	56	
enzo(k)fluoranthene	4.2 F1	0.520 J	0.320 J	1.1 J		I I		I I	110
Chrysene	110	0.860 J	0.560 J	1.1 J	0.130 J	ND	3.9	56	110
luoranthene		1.6 J	1.1 J		0.190 J	0.580 J	100	500	1,000
ndeno(1,2,3-cd)pyrene	2.9	0.570 J	0.350 J	0.610 J	0.070 J	ND	0.5	5.6	11
henanthrene	5.7 F1	0.600 J	0.540 J	0.680 J	0.110 J	ND	100	500	1,000
yrene	8	1.3 J	0.940 J	1.4 J	0.160 J	ND	100	500	1,000
	-		TENTATIVELY	/ IDENTIFIED CO	MPOUNDS (TI	Cs)			
ICS	ND	ND	ND	ND	ND	ND	Various	Various	Various
			ORGA	NOCHLORINE P	ESTICIDES				
,4-DDD	ND	ND	ND	ND	0.0035 J	0.0085 J	13	92	180
,4-DDE	ND	ND	0.016 J	ND	0.0021 J	ND	8.9	62	120
,4-DDT	0.012 J	ND	0.011 J	0.0047 J	ND	ND	7.9	47	94
ndosulfan sulfate	ND	0.011 J F1	ND	ND	ND	ND	24	200	920
is-Chlordane	ND	ND	ND	0.013 J	ND	ND	4.2	24	47
ndosulfan II	ND	ND	ND	ND	ND	ND	24	200	920
	•		VOLATILE (	ORGANIC COMP					
-Butanone (MEK)	ND	ND ND	ND	0.014 J	0.0053 J	0.0042 J	100	500	1,000
cetone	ND	ND ND	ND	0.095	0.041	0.038	100	500	1,000
rans-1,2-Dichloroethene	ND	ND ND	ND	ND	ND	ND ND	100	500	1,000
richloroethene	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	21	200	400
	ND Analyte not deter		IND	ND	Analyte detecte		41	200	400
			d for this analyta				than ar agual to the !	IVEDEC Industrial CCO	
	- Not Applicable or		u for this analyte					NYSDEC Industrial SCO	
	J Estimated Conce							NYSDEC Commercial SC	
	B Anaalyte detecte				Reported conce	entration greater	than or equal to the I	NYSDEC Restricted Resi	dential SCO
	K Result is reported								
	E Results exceeded								
F1	/F2 MS or MSD recov		ol limits pound and an estimate						

TABLE 2 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Parameter Tested	Sample Identifica Di MW-1 8/31	NYSDEC TOGS 1.1.1 GA	
	METALS		
Arsenic	35	31	25
Barium	1000	810	1000
Beryllium	7.6	1.7 J	3
Cadmium	ND	ND	5
Chromium, Total	95	43	50
Copper	100	96	200
Lead	78	150	25
Manganese	220	3000	300
Mercury	ND	ND	0.7
Nickel	140	76	100
Zinc	160	170	2000
TENTATIVE	LY IDENTIFIED CO	MPOUNDS (TICS)	
Methylcylohexane	ND	5.5 T J N	-
2-methylbutane	ND	6.7 T J N	-
Pentane	ND	9.9 T J N	-
2-methylpentane	ND	6.8 T J N	-
Methylcylopentane	ND	17 T J N	-
Cylohexane	ND	21 T J N	-
Ispropylcylobutane	ND	8.3 T J N	-
methylcylohexane	ND	37 T J N	-
1,4-dimethylcylohexane	ND	6.8 T J N	-
m&p-xylene	ND	5.4	-
	ILE ORGANIC CON	/IPOUNDS (SVOCs)	
SVOCs	ND	ND	Various
VOLATILI	ORGANIC COMP	OUNDS (VOCs)	
Acetone	10	14	50
1,3,5-Trimethylbenzene	ND	1.9	5
1,2,4-Trimethylbenzene	ND	8.4	5
Toluene	ND	1.4	5
Xylenes,Total	ND	8.7	5
2-Butanone (MEK)	2.1	3 J	50
Ethylbenzene	ND	1.4	5
N-propylbenzene	ND	0.7 J	5
С	HLORINATED PEST	TISIDES	
Pesticides	ND	ND	Various

Notes: All units in microgams per liter (μg/L)

NYSDEC New York State Department of Environmental Conservation

TOGS Technical and Operational Guidance Series

 $_{\mbox{\scriptsize T}}$  Result is a Tentatively Identified Compound (TIC) and is an estimated concentration

N Indicates the presumptive evidence of a compound

ND Analyte not detected

9.58 Analyte detected

128 Analyte exceeds NYSDEC TOGS guidance value

J Estimated concentration

- Not applicable or sample not tested for this analyte

## **APPENDICES**



# APPENDIX A Field Activity Photolog





BH1/MW1







BH1/MW1 Location (Facing West)



Core of BH1 BH2/MW2



BH2/MW2



BH3



Core of BH2



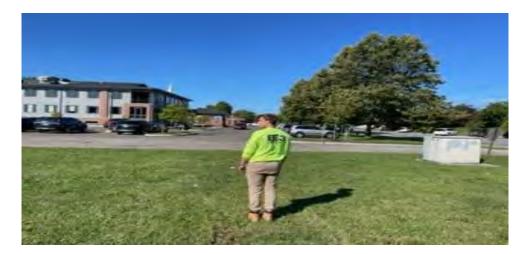
BH3



Core of BH3



BH4



BH4



Core of BH4



BH5







BH5



Core of BH5



BH6







BH7







Core of BH7







Core of BH8



BH8



BH9



**BH9 Location (Facing North)** 





BH10









BH11 Location (Facing South)







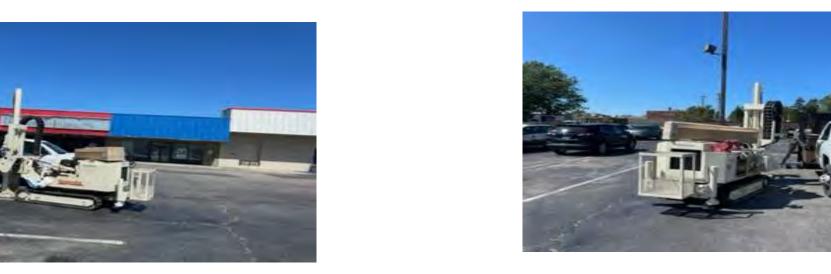
BH12



BH12



Core of BH12



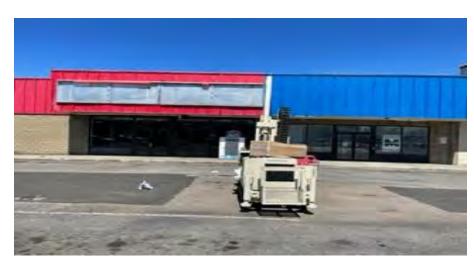
BH13



Core of BH13



BH13



BH14



BH14



BRYDGES ENGINEERING
IN ENVIRONMENT AND ENERGY, DPC

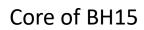


Core of BH14



BH15 BH15









Bor	<u>е н</u>	ole L	.og			
	Proje	ect:				166 E 4th Street, Dunkirk
Client:		Regan	Developmet	Location:		166 E 4th St, Dunkirk, NY
Contractor:			Trec	Ground Ele	vation:	NA
Date Started	:	8/3	31/2023	Equipment	Model:	Geoprobe
Date Comple	eted:	8/3	31/2023	Geologist/T	echnician:	Joseph Gambino
Operator:		-	Chad	Ground Wa	iter:	NA
Bore Hole No	ımber:		BH-1	Depth to Be	edrock:	NA
Depth (Ft)	Sar NO	nple TYPE	REC	PID (ppm)		Description
0	110	1111		(PPIII)		·
				0.0	0 to (	0.5': soil,brown,light black, dirt, grass growing ontop
1					0.5.4.51.1	11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
2					0.5-1.5°: D	rown,black,red,grey,brick,rock,stone,dirt,fill of some sort
3						1.5-3': grey,brown,rock,pebbles
4						
5						
6						
7						
8						
9						
10						3-10': brow,grey,clay
10						o ro. brow,groy,day
11						
12						
13						
1.4						
14						
15						
16						
17						
18						
19						
20						
Comments:	Soil sa	mple co	llected at 1-	·2'		



		oie L	.ug			
	Proje	ect:				166 E 4th Street, Dunkirk
Client:		legan [	Developmen	Location:		166 E 4th St, Dunkirk, NY
Contractor:			Trec	Ground Ele	vation:	NA
Date Started:		8/3	31/2023	Equipment	Model:	Geoprobe
Date Comple			31/2023	Geologist/T		Joseph Gambino
Operator:	iou.		Chad	Ground Wa		NA NA
Bore Hole Nu	ımhor:		BH-2	Depth to Be		NA NA
Dole Hole No			DI1-Z	1	Bullock.	
Depth (Ft)	NO	nple TYPE	REC	PID (ppm)		Description
0				0.0	0 to (	) E' soil brown light blook dirt, groop growing onton
1				0.0	0 10 0	0.5': soil,brown,light black, dirt, grass growing ontop
'						
2					(	0.5-2': brown,grey,black,dirt,rock,silt,sand,brick
3						
4						
5					2 to 5':	clay begins, mixed with rock and soil, brown, grey,stiff
6						
7						
8						
0						
9						
10						5-10': brow,grey,clay
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
Comments:	ooii sar	пріе со	ilected at 1-	Z .		



DUIE	; П	ole L	.og				
	Proje	ect:				166 E 4th Street, Dunkirk	
Client:		tegan D	Developmen	Location:		166 E 4th St, Dunkirk, NY	
Contractor:			Trec	Ground Ele	vation:	NA	
Date Started:		8/3	31/2023	Equipment	Model:	Geoprobe	
Date Complete	ed:	8/3	31/2023	Geologist/T	echnician:	Joseph Gambino	
Operator:		(	Chad	Ground Wa	ter:	NA	
Bore Hole Nur	nber:		BH-3	Depth to Be	drock:	NA	
Depth (Ft)	San NO	nple TYPE	REC	PID (ppm)		Description	
0				W 1 /			
				0.0		0 to 0.5': brown,black,soil	
1							
2							
3					0.5-3	3': black,brown,grey,orange streaks, glass,shine,fill	
4							
5							
6							
7							
8							
9							
10					3-	10': brow,grey,clay with stone and sand mixed in	
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Comments: S	oil sar	nple co	llected at 1-	2.5'			



וטם	e i ic	ole L	<u>.og</u>			
	Proje	ect:				166 E 4th Street, Dunkirk
Client:		tegan [	Developmen	Location:		166 E 4th St, Dunkirk, NY
Contractor:			Trec	Ground Ele	vation:	NA NA
Date Started:		8/3	31/2023	Equipment	Model:	Geoprobe
Date Comple	ted:	8/3	31/2023	Geologist/T	echnician:	Joseph Gambino
Operator:			Chad	Ground Wa	ter:	NA
Bore Hole Nu	ımber:		BH-4	Depth to Be	edrock:	NA
Depth (Ft)	San NO	nple TYPE	REC	PID (ppm)		Description
0	110			(PP)		·
				0.0		0 to 0.5': brown,black,soil with grass growing
1						
2						
3						
4						
5					(	0.5-5': brown,grey, stone,rock,sand,pebbles,silt
3						2.0 0. brown,grey, storie, rook, saira, pebbles, siit
6						
7						
8						
0						
9						
10					5-	10': brow,grey,clay with stone and sand mixed in
11						
12						
13						
13						
14						
15						
16						
17						
18						
19						
20 Comments: D	id not	collect	o comple fa	, DLI 1		
S.IIIIOIIIO. E	Hot	2311001	a sample for			



DUI	3 11	ole L	.og				
	Proje	ect:				166 E 4th Street, Dunkirk	
Client:		tegan D	Developmen	Location:		166 E 4th St, Dunkirk, NY	
Contractor:			Trec	Ground Elev	vation:	NA	
Date Started:		8/3	31/2023	Equipment I	Model:	Geoprobe	
Date Complet	ed:	8/3	31/2023	Geologist/T	echnician:	Joseph Gambino	
Operator:		(	Chad	Ground Wa	ter:	NA	
Bore Hole Nu	mber:		BH-5	Depth to Be	drock:	NA	
Depth (Ft)	San NO	nple TYPE	REC	PID (ppm)		Description	
0							
				0.0		0 to 0.5': black asphalt parking lot	
1							
2						0.5 to 2': brown,black,grey,rock,sand,silt,dry	
3							
4							
5						2-5': brown,grey, clay with sand mixed in	
6							
7							
8							
9							
10					5-	10': brow,grey,clay with stone and sand mixed in	
11							
12							
13							
14							
15							
16							
17							_
18							
19							
20							
Comments: S	oil sam	nple col	lected at 1-2	2'			



DUI	ен	JIE L	.og			
	Proje	ect:				166 E 4th Street, Dunkirk
Client:		tegan [	Developmen	Location:		166 E 4th St, Dunkirk, NY
Contractor:			Trec	Ground Ele	evation:	NA
Date Started	:	8/3	31/2023	Equipment	Model:	Geoprobe
Date Comple			31/2023		Technician:	Joseph Gambino
Operator:			Chad	Ground Wa		NA NA
Bore Hole No	ımher.		BH-6	Depth to B		NA NA
Dore Hole 14		L	DI 1 0	PID	Carook.	
Depth (Ft)	NO	nple TYPE	REC	(ppm)		Description
0				0.0		0 to 0.5': black asphalt parking lot
1				0.0		0 to 0.5. black aspiral parking lot
<u>'</u>						
2					0.5 to 2':	brown,black,grey,red streaks, brick mixed with rock silt,
						some type of fill
3						
4						
4						
5						2-5': brown,grey, clay with sand mixed in
6						
-						
7						
8						
9						
10					5-	10': brow,grey,clay with stone and sand mixed in
11						
12						
40						
13						
14						
15						
15						
16						
17						
18						
10						
19						
20						
Comments: S	Soil san	nple col	lected at 1-2	2'		



БОГ	еп	ole L	.og			
	Proje	ect:				166 E 4th Street, Dunkirk
Client: egan Developmen		Location:		166 E 4th St, Dunkirk, NY		
Contractor: Trec		Trec	Ground Elevation:		NA	
Date Started:		8/3	31/2023	Equipment Model:		Geoprobe
Date Completed:		8/31/2023		Geologist/Technician:		Joseph Gambino
Operator:		Chad		Ground Water:		NA
Bore Hole Number:		BH-7		Depth to Bedrock:		NA
Depth (Ft)	Sample		PID (ppm)		Description	
0	110			(PP)		<u> </u>
				0.0		0 to 0.5': black asphalt parking lot
1						
2						
3						0.5-3': grey,brown,red,silt,sand,rock,brick,soil
4						
5						3-5': brown,grey,clay with sand mixed in
<u> </u>						o o . stomi,groy,olay wat barta mixed in
6						
7						
8						
0						
9						
- 10						1011
10					5-	10': brow,grey,clay with stone and sand mixed in
11						
12						
13						
10						
14						
15						
16						
17						
18						
19						
20 Comments: S	Soil can	nle col	lected at 1-1	2 5'		
	, <b>Juli</b>	551				



Bore I	JOIG I	_og				
	oject:				166 E 4th Street, Dunkirk	
Client: legan Developme		Developmen	Location:		166 E 4th St, Dunkirk, NY	
Contractor:		Trec	Ground Elevation:		NA	
Date Started:	8/	/31/2023	Equipment Model:		Geoprobe	
Date Completed:	8/	/31/2023	Geologist/Technician:		Joseph Gambino	
Operator:		Chad	Ground Water:		NA	
Bore Hole Numbe	er:	BH-8	Depth to Bedrock:		NA	
Deptii (Ft)	epth (Ft) Sample REC		PID (ppm)		Description	
0			(11 /			
			0.0		0 to 0.5': black asphalt parking lot	
1						
2					0.5-2': brown,grey,black,silt,rock,brick,pebbles	
3						
4						
5				2-5': b	rown,grey,clay with sand mixed with silt, red streaks	
6						
7						
7						
8						
9						
10				5-	10': brow,grey,clay with stone and sand mixed in	
11						
12						
13						
14						
45						
15						
16						
17						
18						
19						
20					-	
Comments: Soil s	ample of	motion at 152	_			



Bore F	OIC L	.ug			
	ject:				166 E 4th Street, Dunkirk
Client:	legan [	Developmen	Location:		166 E 4th St, Dunkirk, NY
Contractor:		Trec	Ground Elev	vation:	NA
Date Started:	8/3	31/2023	Equipment Model:		Geoprobe
Date Completed:	8/3	31/2023	Geologist/Technician:		Joseph Gambino
Operator:		Chad	Ground Water:		NA
Bore Hole Number	:	BH-9	Depth to Bedrock:		NA
Depth (Ft) Sample REC		PID (ppm)		Description	
0	1		(FF)		
			0.0		0 to 0.5': black asphalt parking lot
1					5. 4. Ely bysours grow blook yould sail sound silk west
2					.5-1.5': brown,grey,black,rock,soil,sand,silt,wet
3					
	1				
4					
5				1.5-5':	brown,grey,clay with sand mixed with silt, red streaks
6					
7					
,					
8					
0					
9					
10				5-	10': brow,grey,clay with stone and sand mixed in
11					
12					
13					
14					
45					
15					
16	1				
17	1				
18					
19	1				
20 Comments: Soil sa	mple as	llected at 1 '	2'		
			-		



Bor	е но	ole L	.og				
	Proje	ect:				166 E 4th Street, Dunkirk	
Client:			Developmen	Location:		166 E 4th St, Dunkirk, NY	
Contractor:			Trec	Ground Elevation:		NA	
Date Started	:	8/3	31/2023	Equipment Model:		Geoprobe	
Date Completed: 8/31/2023		31/2023	Geologist/T	echnician:	Joseph Gambino		
Operator: Chad			Chad	Ground Wa		NA	
Bore Hole Nu	ımber:	Е	3H-10	Depth to Be	edrock:	NA	
Sample BEC				PID		Description	
Depth (Ft)	NO	TYPE	REC	(ppm)		Description	
0							
				0.0		0 to 0.5': black asphalt parking lot	
1							
2					0.5	to 2': dark brown, black,rock,pebbles,silt,soil,we	t
3							
4							
4							
5					2 to 5':	brown,grey,clay with sand mixed with silt, red str	eaks
6							
7							
8							
9							
10					5 to	o 10': brow,grey,clay with stone and sand mixed in	n
11							
12							
12							
13							
14							
15							
16							
17							
18							
19							
18							
20							
Comments: S	Soil san	nple col	llected at 1-2	2'			



F	Proje	-4.											
Project: 166 E 4th Street, Dunkirk													
Client:		egan D	Developmen	Location:		166 E 4th St, Dunkirk, NY							
Contractor: Trec		Ground Elevation:		NA									
Date Started: 8/31/2023		Equipment N	Model:	Geoprobe									
Date Completed	d:	8/3	31/2023	Geologist/Te	echnician:	Joseph Gambino							
Operator: Chad			Chad	Ground Wat	er:	NA							
Bore Hole Number: BH-11				Depth to Be	drock:	NA							
Depth (Ft)	Sam	iple TYPE	REC	PID (ppm)		Description							
0	10			(PP)		· · · · · · · · · · · · · · · · · · ·							
				0.0		0 to 0.5': black asphalt parking lot							
1													
2						0.5 to 2': brown,grey,red,sand,silt,fill material							
2						0.5 to 2 . brown,grey,red,sand,siit,nii material							
3													
4													
5					2 to 5'	brown,grey,clay with sand mixed with silt, red streaks							
3					2100.	brown, grey, clay with saild mixed with silt, red streaks							
6													
7													
8													
0													
9													
10					5 to	o 10': brow,grey,clay with stone and sand mixed in							
11													
12													
13													
13													
14													
15													
13													
16													
17													
18													
19													
20	]												
Comments: Soi	ı saifi	pie coi	ieuteu at 1-2	_									



Project:	Bore Hole Log										
Contractor:   Trec   Ground Elevation:   NA   Geoprobe		Proje	ect:				166 E 4th Street, Dunkirk				
Contractor:   Trec   Ground Elevation:   NA   Geoprobe	Client:		tegan [	Developmen	Location:						
Date Completed:   R/31/2023   Geologist/Technician:   Joseph Gambino	Contractor:				Ground Elevation:		NA				
Date Completed:   R/31/2023   Geologist/Technician:   Joseph Gambino	Date Started	Date Started: 8/31/2023		Equipment	Model:	Geoprobe					
Operator:   Chad   Ground Water:   NA											
Bore Hole Number:   BH-12   Depth to Bedrock:   NA		icu.									
Depth (Ft)   Sample   NO TYPE   REC   PID   (ppm)   Description		ımbor									
Description   No Type   No Type	Dole Hole N		L	DI1-12		eurock.					
0.0 0 to 0.5°: black asphalt parking lot  1				REC			Description				
1	0				0.0		O to O Eli, block conholt position let				
2	1				0.0		0 to 0.5. black asphalt parking lot				
3											
4	2						0.5 to 2': brown,grey,red,sand,silt,fill material				
4	3										
5											
6	4										
7	5					2 to 5':	brown,grey,clay with sand mixed with silt, red streaks				
8	6										
9	7										
9	0										
10	0										
11	9										
12	10					5 to	10': brow,grey,clay with stone and sand mixed in				
13	11										
14	12										
14	13										
15											
16											
17	15										
18	16										
19 20 20	17										
20	18										
	19										
Comments: Soil sample collected at 1-2'											
	Comments: §	Soil san	nple col	lected at 1-2	2'						



BC	re r	101e	Log			
	Pro	oject:				166 E 4th Street, Dunkirk
Client:		Regar	Development	Location:		166 E 4th St, Dunkirk, NY
Contractor:			Trec	Ground Elevation:		NA
Date Started:	:	;	3/31/2023	Equipment	Model:	Geoprobe
Date Comple	ted:		3/31/2023	Geologist/	Гесhnician:	Joseph Gambino
Operator: Chad			Ground Wa	ater:	NA	
Bore Hole Nu	ımber:		BH-13	Depth to B	edrock:	NA
Depth (Ft)	San NO	nple TYPE	REC	PID (ppm)		Description
0				0.0		O to O Fly block combalt positing lot
1				0.0		0 to 0.5': black asphalt parking lot
2						
3						0.5-3': brown,black,grey,red streaks, rock,silt
<u> </u>						o.o o : brown,black,groy,rea streaks, rook,sik
4						
5					2	to 5': grey,brown,clay mixed with rock and sand
5					3	to 3. grey, brown, clay mixed with rock and sand
6						
_						
7						
8						
9						
10					5	to 10': grey,brown,clay mixed with silt and rock
11						
12						
- 40						
13						
14						
15						
16						
17						
18						
19						
20						
Comments: S	Soil sam	ple col	lected at 1-3'			



		1010	Log							
	Pro	ject:			166 E 4th Street, Dunkirk					
Client:		Regar	Development	Location:		166 E 4th St, Dunkirk, NY				
Contractor:			Trec	Ground Elevation:		NA				
Date Started:		8	3/31/2023	Equipment Model:		Geoprobe				
Date Complete	ed:	3	8/31/2023	Geologist/Technician:		Joseph Gambino				
Operator:			Chad	Ground Wa	ater:	NA				
Bore Hole Nur	mber:	ВІ	H-14/MW-1	Depth to B	edrock:	NA				
Depth (Ft)	Sam	nple	DEC	PID		Description				
Jeptn (Ft)		TYPE	REC	(ppm)		Description				
0										
1				0.0		0 to 0.5': black asphalt parking lot				
1										
2						0.5 to 2': grey,brown,black,red,brick				
3										
4						_				
т										
5						2 to 5': grey, light brown clay				
_										
6										
7										
8										
0										
9										
10					5 to 10	)': light brown, into darker brown with grey,clay mixed				
						fine rock and sand				
11										
12										
12										
13										
14										
- 1-										
15					10 to 15	brown,grey,sandy silt with rock and pebbles mixed in				
16						15 to 16': brown,grey,black,rock,sand,silt				
					•	Hit refusel at 16'				
17										
18										
19										
20										



DOIG	Hole	Log							
ı	Project:				166 E 4th Street, Dunkirk				
Client:	Regar	n Development	Location:		166 E 4th St, Dunkirk, NY				
Contractor:		Trec	Ground Elevation:		NA				
Date Started:		8/31/2023	Equipment Model:		Geoprobe				
Date Completed:		8/31/2023	Geologist/Technician:		Joseph Gambino				
Operator:		Chad	Ground Wat	er:	NA				
Bore Hole Numbe	er: B	H-15/MW-2	Depth to Be	drock:	NA				
Depth (Ft)	Sample	REC	PID		Description				
NO	TYPE	KLO	(ppm)		Description				
0			0.0		O to O Sk. block combalt position let				
1	+		0.0		0 to 0.5': black asphalt parking lot				
•									
2					0.5 to 2': grey,brown,black,red,brick				
3									
4									
5					2 to 5': grey, light brown clay				
6	_								
0									
7									
8	_								
9									
10				5 to 10	': light brown, into darker brown with grey,clay mixed				
11	_				fine rock and sand				
11									
12									
40									
13									
14									
15				10 to 15	: brown,grey,sandy silt with rock and pebbles mixed in				
				10 10 10					
16					15 to 16': brown,grey,black,rock,sand,silt Hit refusel at 16'				
17					FILLIEIUSEI AL 10				
18									
19									
20		1							

# APPENDIX C Laboratory Data



# **ANALYTICAL REPORT**

### PREPARED FOR

Attn: Jason Brydges
Brydges Engineering in Environment & Energy DPC
960 Busti Ave
Suite B-150
Buffalo, New York 14213
Generated 9/13/2023 10:08:58 AM

# **JOB DESCRIPTION**

166 E 4th Street, Dunkirk, NY

#### **JOB NUMBER**

480-212326-1

Eurofins Buffalo 10 Hazelwood Drive Amherst NY 14228-2298



# **Eurofins Buffalo**

#### **Job Notes**

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

#### **Authorization**

34.

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Authorized for release by John Beninati, Project Manager John.Beninati@et.eurofinsus.com (716)504-9874

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#### **Definitions/Glossary**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Qualifiers

**GC/MS VOA** 

Qualifier Description

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

vs Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L

low-level specifications.

**GC/MS VOA TICs** 

J Indicates an Estimated Value for TICs

N This flag indicates the presumptive evidence of a compound.

T Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier Qualifier Description

4 MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable

F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

S1- Surrogate recovery exceeds control limits, low biased.

U Indicates the analyte was analyzed for but not detected.

**GC Semi VOA** 

F1 MS and/or MSD recovery exceeds control limits.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

S1- Surrogate recovery exceeds control limits, low biased.
 S1+ Surrogate recovery exceeds control limits, high biased.
 U Indicates the analyte was analyzed for but not detected.

**Metals** 

Qualifier Qualifier Description

B Compound was found in the blank and sample.

F1 MS and/or MSD recovery exceeds control limits.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Eisted under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)
LOD Limit of Detection (DoD/DOE)
LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit

**Eurofins Buffalo** 

Job ID: 480-212326-1

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#### **Definitions/Glossary**

Client: Brydges Engineering in Environment & Energy DPC Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

## **Glossary (Continued)**

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

#### **Case Narrative**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

**Laboratory: Eurofins Buffalo** 

Narrative

Job Narrative 480-212326-1

#### Receipt

The samples were received on 8/31/2023 3:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 8.4°C and 9.2°C

#### **GC/MS VOA**

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: MW-1 (480-212326-13) and MW-2 (480-212326-14).

Method 8260C: Due to the amount of sediment present in the sample vials, volumes from two separate vials were combined for sample: MW-1 (480-212326-13) and MW-2 (480-212326-14).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-682411 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BH-1 1-2 (480-212326-1), BH-2 1-2 (480-212326-2), BH-3 1-2.5 (480-212326-3), BH-5 1-2 (480-212326-4), BH-6 1-3 (480-212326-5), BH-7 1-2.5 (480-212326-6), BH-8 1-2 (480-212326-7), BH-9 1-2 (480-212326-8), BH-10 1-2 (480-212326-10), BH-11 1-2 (480-212326-10), BH-12 1-2 (480-212326-11) and BH-13 1-3 (480-212326-12).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC/MS Semi VOA

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW-2 (480-212326-14). These results have been reported and qualified.

Method 8270D: The following samples were diluted due to the nature of the sample matrix: (480-212326-B-1-A MS) and (480-212326-B-1-B MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following samples were diluted due color, appearance and viscosity: BH-1 1-2 (480-212326-1), BH-2 1-2 (480-212326-2), BH-3 1-2.5 (480-212326-3), BH-5 1-2 (480-212326-4), BH-7 1-2.5 (480-212326-6), BH-8 1-2 (480-212326-7), BH-12 1-2 (480-212326-11), BH-13 1-3 (480-212326-12), (480-212326-B-1-A MS) and (480-212326-B-1-B MSD). Elevated reporting limits (RL) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### **Pesticides**

Method 8081B: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: BH-1 1-2 (480-212326-1), BH-2 1-2 (480-212326-2), BH-3 1-2.5 (480-212326-3), BH-5 1-2 (480-212326-4), BH-7 1-2.5 (480-212326-6), BH-10 1-2 (480-212326-9), BH-12 1-2 (480-212326-11), BH-13 1-3 (480-212326-12), (480-212326-B-2 MS) and (480-212326-B-2 MSD).

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for cis-Chlordane for the following sample: BH-8 1-2 (480-212326-7). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: The following samples were diluted due to the nature of the sample matrix: BH-1 1-2 (480-212326-1), BH-2 1-2 (480-212326-2), BH-3 1-2.5 (480-212326-3), BH-5 1-2 (480-212326-4), BH-6 1-3 (480-212326-5), BH-7 1-2.5 (480-212326-6), BH-10 1-2 (480-212326-11) and BH-13 1-3 (480-212326-12). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The following samples were diluted due to the nature of the sample matrix: (480-212326-B-2-B MS) and

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Job ID: 480-212326-1

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#### **Case Narrative**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

#### Job ID: 480-212326-1 (Continued)

#### **Laboratory: Eurofins Buffalo (Continued)**

(480-212326-B-2-C MSD). As such, spike and surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Metals

Method 6010C: The following samples were diluted due to the presence of Total Silicon which interferes with Lead: MW-1 (480-212326-13) and MW-2 (480-212326-14). Elevated reporting limits (RLs) are provided.

Method 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): MW-1 (480-212326-13) and MW-2 (480-212326-14). This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 1/6 dilution, which maintained the purple color during digestion.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### **General Chemistry**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-1 1-2

Lab Sample ID: 480-212326-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	1200	J F1	1900	240	ug/Kg	10	₩	8270D	Total/NA
Anthracene	1200	J F1	1900	460	ug/Kg	10	₩	8270D	Total/NA
Benzo[a]anthracene	4300	F1	1900	190	ug/Kg	10	₩	8270D	Total/NA
Benzo[a]pyrene	4800	F1	1900	280	ug/Kg	10	₩	8270D	Total/NA
Benzo[b]fluoranthene	5400	F2 F1	1900	300	ug/Kg	10	₩	8270D	Total/NA
Benzo[g,h,i]perylene	3400	F1	1900	200	ug/Kg	10	₩	8270D	Total/NA
Benzo[k]fluoranthene	2700	F1	1900	240	ug/Kg	10	₩	8270D	Total/NA
Chrysene	4200	F1	1900	420	ug/Kg	10	₩	8270D	Total/NA
Fluoranthene	11000		1900	200	ug/Kg	10	₩	8270D	Total/NA
Fluorene	430	J	1900	220	ug/Kg	10	₩	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	2900	F1	1900	230	ug/Kg	10	₩	8270D	Total/NA
Phenanthrene	5700	F1	1900	280	ug/Kg	10	₩	8270D	Total/NA
Pyrene	8000		1900	220	ug/Kg	10	₩	8270D	Total/NA
4,4'-DDT	12	J	36	8.5	ug/Kg	20	₩	8081B	Total/NA
Arsenic	13.3		2.3	0.45	mg/Kg	1	₩	6010C	Total/NA
Barium	137		0.57	0.12	mg/Kg	1	₩	6010C	Total/NA
Beryllium	1.4		0.23	0.032	mg/Kg	1	₩	6010C	Total/NA
Cadmium	0.41		0.23	0.034	mg/Kg	1	₩	6010C	Total/NA
Chromium	23.6		0.57	0.23	mg/Kg	1	₩	6010C	Total/NA
Copper	33.6		1.1	0.24	mg/Kg	1	₩	6010C	Total/NA
Lead	115		1.1	0.27	mg/Kg	1	₩	6010C	Total/NA
Manganese	916	В	0.23	0.036	mg/Kg	1	₩	6010C	Total/NA
Nickel	32.8		5.7	0.26	mg/Kg	1	₩	6010C	Total/NA
Zinc	149		2.3	0.73	mg/Kg	1	₩	6010C	Total/NA
Mercury	0.38	F1	0.020	0.0046	mg/Kg	1	₩.	7471B	Total/NA

Client Sample ID: BH-2 1-2

Lab Sample ID: 480-212326-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J vs	26	4.4	ug/Kg	1	₩	8260C	Total/NA
Acenaphthylene	260	J	1800	230	ug/Kg	10	₩	8270D	Total/NA
Benzo[a]anthracene	700	J	1800	180	ug/Kg	10	₩	8270D	Total/NA
Benzo[a]pyrene	850	J	1800	260	ug/Kg	10	₩	8270D	Total/NA
Benzo[b]fluoranthene	1000	J	1800	280	ug/Kg	10	₩	8270D	Total/NA
Benzo[g,h,i]perylene	680	J	1800	190	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	520	J	1800	230	ug/Kg	10	☼	8270D	Total/NA
Chrysene	860	J	1800	400	ug/Kg	10	₩	8270D	Total/NA
Fluoranthene	1600	J	1800	190	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	570	J	1800	220	ug/Kg	10	⊅	8270D	Total/NA
Phenanthrene	600	J	1800	260	ug/Kg	10	☼	8270D	Total/NA
Pyrene	1300	J	1800	210	ug/Kg	10	₽	8270D	Total/NA
Endosulfan sulfate	11	J F1	35	6.5	ug/Kg	20	₩	8081B	Total/NA
Arsenic	12.2		2.2	0.44	mg/Kg	1	₩	6010C	Total/NA
Barium	112		0.55	0.12	mg/Kg	1	₩	6010C	Total/NA
Beryllium	0.69		0.22	0.031	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.34		0.22	0.033	mg/Kg	1	₽	6010C	Total/NA
Chromium	14.6		0.55	0.22	mg/Kg	1	₩	6010C	Total/NA
Copper	45.6		1.1	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	36.5		1.1	0.26	mg/Kg	1	₽	6010C	Total/NA
Manganese	403	В	0.22	0.035	mg/Kg	1	₩	6010C	Total/NA
Nickel	41.8		5.5	0.25	mg/Kg	1	₩	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

**Eurofins Buffalo** 

Job ID: 480-212326-1

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#### **Detection Summary**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-2 1-2 (Continued)

Lab Sample ID: 480-212326-2

Job ID: 480-212326-1

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D Method	Prep Type
Zinc	90.9	2.2	0.70 mg/Kg	1 $\overline{\oplus}$ 6010C	Total/NA
Mercury	0.033	0.021	0.0047 mg/Kg	1 ☆ 7471B	Total/NA

#### Client Sample ID: BH-3 1-2.5

#### Lab Sample ID: 480-212326-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	600	J	2000	200	ug/Kg	10	₩	8270D	Total/NA
Benzo[a]pyrene	600	J	2000	290	ug/Kg	10	₩	8270D	Total/NA
Benzo[b]fluoranthene	670	J	2000	310	ug/Kg	10	₩	8270D	Total/NA
Benzo[g,h,i]perylene	490	J	2000	210	ug/Kg	10	₽	8270D	Total/NA
Benzo[k]fluoranthene	320	J	2000	250	ug/Kg	10	₩	8270D	Total/NA
Chrysene	560	J	2000	440	ug/Kg	10	₩	8270D	Total/NA
Fluoranthene	1100	J	2000	210	ug/Kg	10	₩	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	350	J	2000	240	ug/Kg	10	₩	8270D	Total/NA
Phenanthrene	540	J	2000	290	ug/Kg	10	☼	8270D	Total/NA
Pyrene	940	J	2000	230	ug/Kg	10	₩	8270D	Total/NA
4,4'-DDE	16	J	19	4.0	ug/Kg	10	₩	8081B	Total/NA
4,4'-DDT	11	J	19	4.5	ug/Kg	10	₩	8081B	Total/NA
Arsenic	11.5		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	195		0.59	0.13	mg/Kg	1	₩	6010C	Total/NA
Beryllium	0.70		0.24	0.033	mg/Kg	1	₩	6010C	Total/NA
Cadmium	0.94		0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	21.1		0.59	0.24	mg/Kg	1	₩	6010C	Total/NA
Copper	53.8		1.2	0.25	mg/Kg	1	₩	6010C	Total/NA
Lead	429		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Manganese	338	В	0.24	0.038	mg/Kg	1	₩	6010C	Total/NA
Nickel	21.1		5.9	0.27	mg/Kg	1	☼	6010C	Total/NA
Zinc	361		2.4	0.76	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.75		0.021	0.0048		1	₽	7471B	Total/NA

#### Client Sample ID: BH-5 1-2

#### Lab Sample ID: 480-212326-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	14	J vs	29	2.1	ug/Kg	1	₩	8260C	Total/NA
Acetone	95	VS	29	4.8	ug/Kg	1	₩	8260C	Total/NA
Benzo[a]anthracene	890	J	2000	200	ug/Kg	10	₩	8270D	Total/NA
Benzo[a]pyrene	1000	J	2000	290	ug/Kg	10	₩	8270D	Total/NA
Benzo[b]fluoranthene	1300	J	2000	310	ug/Kg	10	₩	8270D	Total/NA
Benzo[g,h,i]perylene	780	J	2000	210	ug/Kg	10	₩	8270D	Total/NA
Benzo[k]fluoranthene	660	J	2000	250	ug/Kg	10	⊅	8270D	Total/NA
Chrysene	1100	J	2000	440	ug/Kg	10	₩	8270D	Total/NA
Fluoranthene	1700	J	2000	210	ug/Kg	10	₩	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	610	J	2000	240	ug/Kg	10	⊅	8270D	Total/NA
Phenanthrene	680	J	2000	290	ug/Kg	10	₩	8270D	Total/NA
Pyrene	1400	J	2000	230	ug/Kg	10	₩	8270D	Total/NA
4,4'-DDT	4.7	J	19	4.5	ug/Kg	10	⊅	8081B	Total/NA
cis-Chlordane	13	J	19	9.5	ug/Kg	10	₽	8081B	Total/NA
Arsenic	11.5		2.4	0.48	mg/Kg	1	₩	6010C	Total/NA
Barium	264		0.60	0.13	mg/Kg	1	₩	6010C	Total/NA
Beryllium	0.77		0.24	0.033	mg/Kg	1	₽	6010C	Total/NA
Cadmium	0.98		0.24	0.036	mg/Kg	1	₩	6010C	Total/NA
Chromium	27.3		0.60	0.24	mg/Kg	1	₽	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

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Project/Site: 166 E 4th Street, Dunkirk, NY

#### Client Sample ID: BH-5 1-2 (Continued)

#### Lab Sample ID: 480-212326-4

Job ID: 480-212326-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	54.0		1.2	0.25	mg/Kg	1	₩	6010C	Total/NA
Lead	243		1.2	0.29	mg/Kg	1	₩	6010C	Total/NA
Manganese	546	В	0.24	0.038	mg/Kg	1	₩	6010C	Total/NA
Nickel	23.7		6.0	0.27	mg/Kg	1	₩	6010C	Total/NA
Selenium	2.2	J	4.8	0.48	mg/Kg	1	₩	6010C	Total/NA
Zinc	806		2.4	0.76	mg/Kg	1	₩	6010C	Total/NA
Mercury	0.85		0.024	0.0055	mg/Kg	1	₩	7471B	Total/NA

#### Client Sample ID: BH-6 1-3

#### Lab Sample ID: 480-212326-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	13	J vs	27	2.0	ug/Kg	1	₩	8260C	Total/NA
Acetone	86	VS	27	4.6	ug/Kg	1	₩	8260C	Total/NA
Acenaphthylene	35	J	190	25	ug/Kg	1	₩	8270D	Total/NA
Benzo[a]anthracene	220		190	19	ug/Kg	1	⊅	8270D	Total/NA
Benzo[a]pyrene	260		190	28	ug/Kg	1	₩	8270D	Total/NA
Benzo[b]fluoranthene	300		190	30	ug/Kg	1	₩	8270D	Total/NA
Benzo[g,h,i]perylene	200		190	20	ug/Kg	1	₩	8270D	Total/NA
Benzo[k]fluoranthene	130	J	190	25	ug/Kg	1	₩	8270D	Total/NA
Chrysene	250		190	42	ug/Kg	1	₩	8270D	Total/NA
Fluoranthene	360		190	20	ug/Kg	1	₩	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	160	J	190	23	ug/Kg	1	₩	8270D	Total/NA
Phenanthrene	130	J	190	28	ug/Kg	1	₩	8270D	Total/NA
Pyrene	280		190	22	ug/Kg	1	₩	8270D	Total/NA
Arsenic	12.4		2.1	0.43	mg/Kg	1	₩	6010C	Total/NA
Barium	202		0.54	0.12	mg/Kg	1	₩	6010C	Total/NA
Beryllium	2.6		0.21	0.030	mg/Kg	1	₽	6010C	Total/NA
Cadmium	0.29		0.21	0.032	mg/Kg	1	₩	6010C	Total/NA
Chromium	16.9		0.54	0.21	mg/Kg	1	₩	6010C	Total/NA
Copper	28.3		1.1	0.22	mg/Kg	1	⊅	6010C	Total/NA
Lead	27.5		1.1	0.26	mg/Kg	1	₩	6010C	Total/NA
Manganese	554	В	0.21	0.034	mg/Kg	1	₩	6010C	Total/NA
Nickel	24.4		5.4	0.25	mg/Kg	1	₽	6010C	Total/NA
Zinc	83.6		2.1	0.69	mg/Kg	1	₩	6010C	Total/NA
Mercury	0.025		0.020	0.0045	mg/Kg	1	₽	7471B	Total/NA

#### Client Sample ID: BH-7 1-2.5

#### Lab Sample ID: 480-212326-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	16	J vs	31	2.3	ug/Kg	1	₩	8260C	Total/NA
Acetone	95	VS	31	5.3	ug/Kg	1	₩	8260C	Total/NA
Benzo[a]anthracene	140	J	1100	110	ug/Kg	5	₩	8270D	Total/NA
Benzo[a]pyrene	200	J	1100	160	ug/Kg	5	₩	8270D	Total/NA
Benzo[b]fluoranthene	300	J	1100	170	ug/Kg	5	₩	8270D	Total/NA
Benzo[g,h,i]perylene	230	J	1100	110	ug/Kg	5	₩	8270D	Total/NA
Fluoranthene	300	J	1100	110	ug/Kg	5	₽	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	190	J	1100	130	ug/Kg	5	₩	8270D	Total/NA
Pyrene	230	J	1100	130	ug/Kg	5	₩	8270D	Total/NA
Arsenic	6.1		2.6	0.52	mg/Kg	1	₩	6010C	Total/NA
Barium	295		0.65	0.14	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.59		0.26	0.037	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.11	J	0.26	0.039	mg/Kg	1	₩.	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

**Eurofins Buffalo** 

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-7 1-2.5 (Continued)

Lab Sample ID: 480-212326-6

Job ID: 480-212326-1

Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	17.6	0.65	0.26	mg/Kg		₩	6010C	Total/NA
Copper	26.4	1.3	0.27	mg/Kg	1	₩	6010C	Total/NA
Lead	11.6	1.3	0.31	mg/Kg	1	₩	6010C	Total/NA
Manganese	195 B	0.26	0.042	mg/Kg	1	₩	6010C	Total/NA
Nickel	23.9	6.5	0.30	mg/Kg	1	₩	6010C	Total/NA
Zinc	65.0	2.6	0.84	mg/Kg	1	₩	6010C	Total/NA
Mercury	0.13	0.026	0.0060	mg/Kg	1	₩	7471B	Total/NA

Client Sample ID: BH-8 1-2

Lab Sample ID: 480-212326-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.4	J vs	29	4.9	ug/Kg		☼	8260C	Total/NA
cis-1,2-Dichloroethene	17	VS	5.9	0.75	ug/Kg	1	₩	8260C	Total/NA
trans-1,2-Dichloroethene	1.8	J vs	5.9	0.61	ug/Kg	1	₩	8260C	Total/NA
Trichloroethene	2.0	J vs	5.9	1.3	ug/Kg	1	₩	8260C	Total/NA
Benzo[a]anthracene	290	J	1000	100	ug/Kg	5	₽	8270D	Total/NA
Benzo[a]pyrene	340	J	1000	150	ug/Kg	5	₩	8270D	Total/NA
Benzo[b]fluoranthene	450	J	1000	160	ug/Kg	5	₩	8270D	Total/NA
Benzo[g,h,i]perylene	240	J	1000	110	ug/Kg	5	₩	8270D	Total/NA
Benzo[k]fluoranthene	190	J	1000	130	ug/Kg	5	₩	8270D	Total/NA
Chrysene	430	J	1000	230	ug/Kg	5	₽	8270D	Total/NA
Fluoranthene	960	J	1000	110	ug/Kg	5	₽	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	230	J	1000	130	ug/Kg	5	₩	8270D	Total/NA
Phenanthrene	770	J	1000	150	ug/Kg	5	₽	8270D	Total/NA
Pyrene	760	J	1000	120	ug/Kg	5	₽	8270D	Total/NA
4,4'-DDD	1.8	J	2.0	0.39	ug/Kg	1	₩	8081B	Total/NA
4,4'-DDT	1.5	J	2.0	0.47	ug/Kg	1	₽	8081B	Total/NA
cis-Chlordane	2.6		2.0	0.99	ug/Kg	1	₩	8081B	Total/NA
Arsenic	8.6		2.3	0.46	mg/Kg	1	₩	6010C	Total/NA
Barium	80.7		0.58	0.13	mg/Kg	1	₽	6010C	Total/NA
Beryllium	0.40		0.23	0.032	mg/Kg	1	₩	6010C	Total/NA
Cadmium	0.22	J	0.23	0.035	mg/Kg	1	₽	6010C	Total/NA
Chromium	11.1		0.58	0.23	mg/Kg	1	₩	6010C	Total/NA
Copper	20.3		1.2	0.24	mg/Kg	1	₩	6010C	Total/NA
Lead	54.9		1.2	0.28	mg/Kg	1	₩	6010C	Total/NA
Manganese	251	В	0.23	0.037	mg/Kg	1	₩	6010C	Total/NA
Nickel	16.5		5.8	0.27	mg/Kg	1	₩	6010C	Total/NA
Zinc	109		2.3	0.74	mg/Kg	1	₩	6010C	Total/NA
Mercury	0.23		0.025	0.0058	mg/Kg	1	₩.	7471B	Total/NA

Client Sample ID: BH-9 1-2

Lab Sample ID: 480-212326-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13	J vs	30	5.0	ug/Kg	1	☼	8260C	Total/NA
Benzo[b]fluoranthene	34	J	210	33	ug/Kg	1	₩	8270D	Total/NA
Benzo[g,h,i]perylene	24	J	210	22	ug/Kg	1	₩	8270D	Total/NA
Fluoranthene	48	J	210	22	ug/Kg	1	₩	8270D	Total/NA
Pyrene	38	J	210	24	ug/Kg	1	₩	8270D	Total/NA
Arsenic	10.0		2.4	0.48	mg/Kg	1	₩	6010C	Total/NA
Barium	255		0.60	0.13	mg/Kg	1	₩	6010C	Total/NA
Beryllium	1.0		0.24	0.034	mg/Kg	1	₩	6010C	Total/NA
Cadmium	0.46		0.24	0.036	mg/Kg	1	₩	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

**Eurofins Buffalo** 

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Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-9 1-2 (Continued)

#### Lab Sample ID: 480-212326-8

Job ID: 480-212326-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	32.3		0.60	0.24	mg/Kg	1	₩	6010C	Total/NA
Copper	37.2		1.2	0.25	mg/Kg	1	⊅	6010C	Total/NA
Lead	189		1.2	0.29	mg/Kg	1	₩	6010C	Total/NA
Manganese	310	В	0.24	0.039	mg/Kg	1	₩	6010C	Total/NA
Nickel	40.1		6.0	0.28	mg/Kg	1	₩	6010C	Total/NA
Zinc	122		2.4	0.77	mg/Kg	1	₩	6010C	Total/NA
Mercury	0.20		0.026	0.0059	mg/Kg	1	₩	7471B	Total/NA

Client Sample ID: BH-10 1-2

Lab Sample ID: 480-212326-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.3	J vs	29	2.1	ug/Kg	1	₩	8260C	Total/NA
Acetone	41	VS	29	4.9	ug/Kg	1	₩	8260C	Total/NA
Benzo[a]anthracene	94	J	200	20	ug/Kg	1	₩	8270D	Total/NA
Benzo[a]pyrene	110	J	200	30	ug/Kg	1	₩	8270D	Total/NA
Benzo[b]fluoranthene	130	J	200	32	ug/Kg	1	₩	8270D	Total/NA
Benzo[g,h,i]perylene	83	J	200	21	ug/Kg	1	₩	8270D	Total/NA
Benzo[k]fluoranthene	64	J	200	26	ug/Kg	1	₩	8270D	Total/NA
Chrysene	130	J	200	45	ug/Kg	1	₽	8270D	Total/NA
Fluoranthene	190	J	200	21	ug/Kg	1	₩	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	70	J	200	25	ug/Kg	1	₩	8270D	Total/NA
Phenanthrene	110	J	200	30	ug/Kg	1	₽	8270D	Total/NA
Pyrene	160	J	200	24	ug/Kg	1	₩	8270D	Total/NA
4,4'-DDD	3.5	J	9.7	1.9	ug/Kg	5	₩	8081B	Total/NA
4,4'-DDE	2.1	J	9.7	2.0	ug/Kg	5	₩	8081B	Total/NA
Arsenic	16.7		2.5	0.49	mg/Kg	1	₩	6010C	Total/NA
Barium	299		0.61	0.14	mg/Kg	1	₩	6010C	Total/NA
Beryllium	0.83		0.25	0.034	mg/Kg	1	₩	6010C	Total/NA
Cadmium	0.37		0.25	0.037	mg/Kg	1	₩	6010C	Total/NA
Chromium	30.2		0.61	0.25	mg/Kg	1	₩	6010C	Total/NA
Copper	84.8		1.2	0.26	mg/Kg	1	₩	6010C	Total/NA
Lead	240		1.2	0.30	mg/Kg	1	₽	6010C	Total/NA
Manganese	148	В	0.25	0.039	mg/Kg	1	₩	6010C	Total/NA
Nickel	26.0		6.1	0.28	mg/Kg	1	₩	6010C	Total/NA
Selenium	1.5	J	4.9	0.49	mg/Kg	1	☆	6010C	Total/NA
Zinc	138		2.5	0.79	mg/Kg	1	⊅	6010C	Total/NA
Mercury	0.24		0.023	0.0054	mg/Kg	1	₩	7471B	Total/NA

Client Sample ID: BH-11 1-2

Lab Sample ID: 480-212326-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.6	J vs	28	2.1	ug/Kg	1	₩	8260C	Total/NA
Acetone	21	J vs	28	4.7	ug/Kg	1	₩	8260C	Total/NA
Endosulfan II	0.69	J	1.9	0.34	ug/Kg	1	₩	8081B	Total/NA
Arsenic	11.1		2.3	0.46	mg/Kg	1	₩	6010C	Total/NA
Barium	69.6		0.57	0.13	mg/Kg	1	₩	6010C	Total/NA
Beryllium	0.81		0.23	0.032	mg/Kg	1	₩	6010C	Total/NA
Cadmium	0.17	J	0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	20.3		0.57	0.23	mg/Kg	1	₩	6010C	Total/NA
Copper	40.5		1.1	0.24	mg/Kg	1	₩	6010C	Total/NA
Lead	38.1		1.1	0.27	mg/Kg	1	₩	6010C	Total/NA
Manganese	143	В	0.23	0.037	mg/Kg	1	₩	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

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Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-11 1-2 (Continued)

Lab Sample ID: 480-212326-10

Job ID: 480-212326-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	30.5		5.7	0.26	mg/Kg	1	₩	6010C	Total/NA
Zinc	88.5		2.3	0.73	mg/Kg	1	₩	6010C	Total/NA
Mercury	0.032		0.023	0.0054	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: BH-12 1-2

Lab Sample ID: 480-212326-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.2	J vs	28	2.0	ug/Kg	1	⇔	8260C	Total/NA
Acetone	38	VS	28	4.7	ug/Kg	1	₩	8260C	Total/NA
Benzo[a]anthracene	380	J	3800	380	ug/Kg	20	₩	8270D	Total/NA
Fluoranthene	580	J	3800	400	ug/Kg	20	₩	8270D	Total/NA
4,4'-DDD	8.5	J	37	7.2	ug/Kg	20	₩	8081B	Total/NA
Arsenic	17.2		2.3	0.46	mg/Kg	1	₩	6010C	Total/NA
Barium	372		0.58	0.13	mg/Kg	1	₩	6010C	Total/NA
Beryllium	1.6		0.23	0.032	mg/Kg	1	₩	6010C	Total/NA
Cadmium	0.18	J	0.23	0.035	mg/Kg	1	₩	6010C	Total/NA
Chromium	21.1		0.58	0.23	mg/Kg	1	₩	6010C	Total/NA
Copper	23.5		1.2	0.24	mg/Kg	1	₩	6010C	Total/NA
Lead	11.7		1.2	0.28	mg/Kg	1	₩	6010C	Total/NA
Manganese	112	В	0.23	0.037	mg/Kg	1	₩	6010C	Total/NA
Nickel	21.6		5.8	0.26	mg/Kg	1	₩	6010C	Total/NA
Selenium	9.0		4.6	0.46	mg/Kg	1	₩	6010C	Total/NA
Zinc	20.6		2.3	0.74	mg/Kg	1	₩	6010C	Total/NA
Mercury	0.025		0.024	0.0054	mg/Kg	1	₩	7471B	Total/NA

Client Sample ID: BH-13 1-3

Lab Sample ID: 480-212326-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	350	J	1800	190	ug/Kg	10	₩	8270D	Total/NA
Pyrene	260	J	1800	210	ug/Kg	10	₩	8270D	Total/NA
Arsenic	9.1		2.3	0.45	mg/Kg	1	₽	6010C	Total/NA
Barium	131		0.57	0.12	mg/Kg	1	₩	6010C	Total/NA
Beryllium	1.2		0.23	0.032	mg/Kg	1	₽	6010C	Total/NA
Cadmium	0.36		0.23	0.034	mg/Kg	1	₽	6010C	Total/NA
Chromium	20.2		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA
Copper	27.5		1.1	0.24	mg/Kg	1	₩	6010C	Total/NA
Lead	30.6		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Manganese	423	В	0.23	0.036	mg/Kg	1	₩	6010C	Total/NA
Nickel	31.4		5.7	0.26	mg/Kg	1	☼	6010C	Total/NA
Zinc	77.3		2.3	0.72	mg/Kg	1	₩	6010C	Total/NA
Mercury	0.11		0.019	0.0044	mg/Kg	1	₩	7471B	Total/NA

**Client Sample ID: MW-1** 

Lab Sample ID: 480-212326-13

Analyte	Result Qu	ualifier RL	MDL	Unit	Dil Fac	D Method	Prep Type
2-Butanone (MEK)	2.1 J		1.3	ug/L		8260C	Total/NA
Acetone	10	10	3.0	ug/L	1	8260C	Total/NA
Arsenic	0.035	0.015	0.0056	mg/L	1	6010C	Total/NA
Barium	1.0	0.0020	0.00070	mg/L	1	6010C	Total/NA
Beryllium	0.0076	0.0020	0.00030	mg/L	1	6010C	Total/NA
Chromium	0.095	0.0040	0.0010	mg/L	1	6010C	Total/NA
Copper	0.10	0.010	0.0016	mg/L	1	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

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#### **Detection Summary**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: MW-1 (Continued)

Lab Sample ID: 480-212326-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	2.2		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.14		0.010	0.0013	mg/L	1		6010C	Total/NA
Lead	0.078		0.050	0.015	mg/L	5		6010C	Total/NA
Zinc	0.16		0.010	0.0015	mg/L	1		6010C	Total/NA

**Client Sample ID: MW-2** Lab Sample ID: 480-212326-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
1,2,4-Trimethylbenzene	8.4		1.0	0.75	ug/L		8260C	Total/NA
1,3,5-Trimethylbenzene	1.9		1.0	0.77	ug/L	1	8260C	Total/NA
2-Butanone (MEK)	3.0	J	10	1.3	ug/L	1	8260C	Total/NA
Acetone	14		10	3.0	ug/L	1	8260C	Total/NA
Ethylbenzene	1.4		1.0	0.74	ug/L	1	8260C	Total/NA
N-Propylbenzene	0.70	J	1.0	0.69	ug/L	1	8260C	Total/NA
Toluene	1.4		1.0	0.51	ug/L	1	8260C	Total/NA
Xylenes, Total	8.7		2.0	0.66	ug/L	1	8260C	Total/NA
Arsenic	0.031		0.015	0.0056	mg/L	1	6010C	Total/NA
Barium	0.81		0.0020	0.00070	mg/L	1	6010C	Total/NA
Beryllium	0.0017	J	0.0020	0.00030	mg/L	1	6010C	Total/NA
Chromium	0.043		0.0040	0.0010	mg/L	1	6010C	Total/NA
Copper	0.096		0.010	0.0016	mg/L	1	6010C	Total/NA
Manganese	3.0		0.0030	0.00040	mg/L	1	6010C	Total/NA
Nickel	0.076		0.010	0.0013	mg/L	1	6010C	Total/NA
Lead	0.15		0.050	0.015	mg/L	5	6010C	Total/NA
Zinc	0.17		0.010	0.0015	mg/L	1	6010C	Total/NA

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Toluene-d8 (Surr)

Client Sample ID: BH-1 1-2

Lab Sample ID: 480-212326-1 Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15

Percent Solids: 90.5

Job ID: 480-212326-1

Method: SW846 8260C - Vola Analyte	_	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane		Uvs	5.4	0.39				09/05/23 21:00	1
1,1-Dichloroethane	5.4		5.4		ug/Kg		09/05/23 17:19	09/05/23 21:00	1
1,1-Dichloroethene	5.4	U vs	5.4		ug/Kg			09/05/23 21:00	1
1,2,4-Trimethylbenzene	5.4	Uvs	5.4		ug/Kg		09/05/23 17:19	09/05/23 21:00	1
1,2-Dichlorobenzene	5.4	U vs	5.4	0.42	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
1,2-Dichloroethane	5.4	U vs	5.4	0.27	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
1,3,5-Trimethylbenzene	5.4	Uvs	5.4		ug/Kg		09/05/23 17:19	09/05/23 21:00	1
1,3-Dichlorobenzene	5.4	U vs	5.4	0.28	ug/Kg	≎	09/05/23 17:19	09/05/23 21:00	1
1,4-Dichlorobenzene	5.4	U vs	5.4	0.76	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
1,4-Dioxane	110	Uvs	110	24	ug/Kg		09/05/23 17:19	09/05/23 21:00	1
2-Butanone (MEK)	27	U vs	27	2.0	ug/Kg	☼	09/05/23 17:19	09/05/23 21:00	1
Acetone	27	U vs	27	4.6	ug/Kg	☼	09/05/23 17:19	09/05/23 21:00	1
Benzene	5.4	Uvs	5.4	0.27	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
Carbon tetrachloride	5.4	U vs	5.4	0.52	ug/Kg	☼	09/05/23 17:19	09/05/23 21:00	1
Chlorobenzene	5.4	U vs	5.4	0.71	ug/Kg	₩	09/05/23 17:19	09/05/23 21:00	1
Chloroform	5.4	Uvs	5.4	0.33	ug/Kg		09/05/23 17:19	09/05/23 21:00	1
cis-1,2-Dichloroethene	5.4	U vs	5.4	0.69	ug/Kg	₩	09/05/23 17:19	09/05/23 21:00	1
Ethylbenzene	5.4	U vs	5.4	0.37	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
Methyl tert-butyl ether	5.4	U vs	5.4	0.53	ug/Kg	₩	09/05/23 17:19	09/05/23 21:00	1
Methylene Chloride	5.4	U vs	5.4	2.5	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
n-Butylbenzene	5.4	U vs	5.4	0.47	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
N-Propylbenzene	5.4	U vs	5.4	0.43	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
sec-Butylbenzene	5.4	U vs	5.4	0.47	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
tert-Butylbenzene	5.4	U vs	5.4	0.56	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
Tetrachloroethene	5.4	U vs	5.4	0.73	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
Toluene	5.4	U vs	5.4	0.41	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
trans-1,2-Dichloroethene	5.4	U vs	5.4	0.56	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
Trichloroethene	5.4	U vs	5.4	1.2	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
Vinyl chloride	5.4	U vs	5.4	0.66	ug/Kg	₽	09/05/23 17:19	09/05/23 21:00	1
Xylenes, Total	11	U vs	11	0.91	ug/Kg	☼	09/05/23 17:19	09/05/23 21:00	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	<u>D</u>	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	<del>*</del>		N/A	09/05/23 17:19	09/05/23 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126				09/05/23 17:19	09/05/23 21:00	1
4-Bromofluorobenzene (Surr)	100		72 - 126				09/05/23 17:19	09/05/23 21:00	1
Dibromofluoromethane (Surr)	101		60 - 140				09/05/23 17:19	09/05/23 21:00	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1100	U	1100	610	ug/Kg	<u></u>	09/05/23 08:47	09/06/23 14:35	10
2-Methylphenol	1900	U	1900	220	ug/Kg	₩	09/05/23 08:47	09/06/23 14:35	10
3-Methylphenol	3600	U	3600	290	ug/Kg	☼	09/05/23 08:47	09/06/23 14:35	10
4-Methylphenol	3600	U	3600	220	ug/Kg	₩	09/05/23 08:47	09/06/23 14:35	10
Acenaphthene	1900	U	1900	280	ug/Kg	☼	09/05/23 08:47	09/06/23 14:35	10
Acenaphthylene	1200	J F1	1900	240	ug/Kg	☼	09/05/23 08:47	09/06/23 14:35	10
Anthracene	1200	J F1	1900	460	ug/Kg	₩	09/05/23 08:47	09/06/23 14:35	10
Benzo[a]anthracene	4300	F1	1900	190	ug/Kg	₽	09/05/23 08:47	09/06/23 14:35	10

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09/05/23 17:19 09/05/23 21:00

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-1 1-2

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

DCB Decachlorobiphenyl

Tetrachloro-m-xylene

Tetrachloro-m-xylene

Lab Sample ID: 480-212326-1

Matrix: Solid

Percent Solids: 90.5

Job ID: 480-212326-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	4800	F1	1900	280	ug/Kg	<del>-</del>	09/05/23 08:47	09/06/23 14:35	10
Benzo[b]fluoranthene	5400	F2 F1	1900	300	ug/Kg	₽	09/05/23 08:47	09/06/23 14:35	10
Benzo[g,h,i]perylene	3400	F1	1900	200	ug/Kg	☼	09/05/23 08:47	09/06/23 14:35	10
Benzo[k]fluoranthene	2700	F1	1900	240	ug/Kg	☼	09/05/23 08:47	09/06/23 14:35	10
Chrysene	4200	F1	1900	420	ug/Kg	₽	09/05/23 08:47	09/06/23 14:35	10
Dibenz(a,h)anthracene	1900	U	1900	330	ug/Kg	☼	09/05/23 08:47	09/06/23 14:35	10
Dibenzofuran	1900	U	1900	220	ug/Kg	₩	09/05/23 08:47	09/06/23 14:35	10
Fluoranthene	11000		1900	200	ug/Kg	₽	09/05/23 08:47	09/06/23 14:35	10
Fluorene	430	J	1900	220	ug/Kg	₩	09/05/23 08:47	09/06/23 14:35	10
Hexachlorobenzene	1900	U	1900	250	ug/Kg	₩	09/05/23 08:47	09/06/23 14:35	10
Indeno[1,2,3-cd]pyrene	2900	F1	1900	230	ug/Kg	₩	09/05/23 08:47	09/06/23 14:35	10
Naphthalene	1900	U	1900	240	ug/Kg	₩	09/05/23 08:47	09/06/23 14:35	10
Pentachlorophenol	3600	U	3600	1900	ug/Kg	₩	09/05/23 08:47	09/06/23 14:35	10
Phenanthrene	5700	F1	1900	280	ug/Kg	₩	09/05/23 08:47	09/06/23 14:35	10
Phenol	1900	U	1900	290	ug/Kg	₩	09/05/23 08:47	09/06/23 14:35	10
Pyrene	8000		1900	220	ug/Kg	☼	09/05/23 08:47	09/06/23 14:35	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		54 - 120				09/05/23 08:47	09/06/23 14:35	10
2-Fluorobiphenyl (Surr)	90		60 - 120				09/05/23 08:47	09/06/23 14:35	10
2-Fluorophenol (Surr)	78		52 - 120				09/05/23 08:47	09/06/23 14:35	10
Nitrobenzene-d5 (Surr)	82		53 - 120				09/05/23 08:47	09/06/23 14:35	10
Phenol-d5 (Surr)	87		54 - 120				09/05/23 08:47	09/06/23 14:35	10
p-Terphenyl-d14 (Surr)	102		79 - 130				09/05/23 08:47	09/06/23 14:35	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	36	U	36	7.0	ug/Kg	<del>*</del>	09/05/23 16:04	09/06/23 11:22	20
4,4'-DDE	36	U	36	7.6	ug/Kg	₽	09/05/23 16:04	09/06/23 11:22	20
4,4'-DDT	12	J	36	8.5	ug/Kg	₽	09/05/23 16:04	09/06/23 11:22	20
Aldrin	36	U	36	8.9	ug/Kg	₽	09/05/23 16:04	09/06/23 11:22	20
alpha-BHC	36	U	36	6.5	ug/Kg	₽	09/05/23 16:04	09/06/23 11:22	20
beta-BHC	36	U	36	6.5	ug/Kg	₽	09/05/23 16:04	09/06/23 11:22	20
cis-Chlordane	36	U	36	18	ug/Kg	₩	09/05/23 16:04	09/06/23 11:22	20
delta-BHC	36	U	36	6.7	ug/Kg	₽	09/05/23 16:04	09/06/23 11:22	20
Dieldrin	36	U	36	8.7	ug/Kg	₽	09/05/23 16:04	09/06/23 11:22	20
Endosulfan I	36	U	36	6.9	ug/Kg	₽	09/05/23 16:04	09/06/23 11:22	20
Endosulfan II	36	U	36	6.5	ug/Kg	☼	09/05/23 16:04	09/06/23 11:22	20
Endosulfan sulfate	36	U	36	6.7	ug/Kg	₽	09/05/23 16:04	09/06/23 11:22	20
Endrin	36	U	36	7.2	ug/Kg	₽	09/05/23 16:04	09/06/23 11:22	20
gamma-BHC (Lindane)	36	U	36	6.6	ug/Kg	☼	09/05/23 16:04	09/06/23 11:22	20
Heptachlor	36	U	36	7.8	ug/Kg	₩	09/05/23 16:04	09/06/23 11:22	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	112		45 - 120				09/05/23 16:04	09/06/23 11:22	20

**Eurofins Buffalo** 

09/05/23 16:04 09/06/23 11:22

09/05/23 16:04 09/06/23 11:22

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-1 1-2 Lab Sample ID: 480-212326-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.3		2.3	0.45	mg/Kg	<u></u>	09/01/23 14:36	09/06/23 14:35	1
Barium	137		0.57	0.12	mg/Kg	₩	09/01/23 14:36	09/06/23 14:35	1
Beryllium	1.4		0.23	0.032	mg/Kg	₩	09/01/23 14:36	09/06/23 14:35	1
Cadmium	0.41		0.23	0.034	mg/Kg	₩	09/01/23 14:36	09/06/23 14:35	1
Chromium	23.6		0.57	0.23	mg/Kg	₩	09/01/23 14:36	09/06/23 14:35	1
Copper	33.6		1.1	0.24	mg/Kg	☼	09/01/23 14:36	09/06/23 14:35	1
Lead	115		1.1	0.27	mg/Kg	₩	09/01/23 14:36	09/06/23 14:35	1
Manganese	916	В	0.23	0.036	mg/Kg	₩	09/01/23 14:36	09/06/23 14:35	1
Nickel	32.8		5.7	0.26	mg/Kg	☼	09/01/23 14:36	09/06/23 14:35	1
Selenium	4.5	U	4.5	0.45	mg/Kg	₽	09/01/23 14:36	09/06/23 14:35	1
Silver	0.68	U	0.68	0.23	mg/Kg	☼	09/01/23 14:36	09/06/23 14:35	1
Zinc	149		2.3	0.73	mg/Kg	☼	09/01/23 14:36	09/06/23 14:35	1
- Method: SW846 7471E	B - Mercury (CVAA)								
Analyte	• • • •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.38	F1	0.020	0.0046	mg/Kg	— <u></u>	09/12/23 10:54	09/12/23 13:03	1

Client Sample ID: BH-2 1-2

Date Collected: 08/31/23 00:00

Lab Sample ID: 480-212326-2

Matrix: Solid

Date Received: 08/31/23 00:00 Matrix: Solid

Date Received: 08/31/23 15:15 Percent Solids: 93.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.3	U vs	5.3	0.38	ug/Kg	<del>-</del>	09/05/23 17:19	09/05/23 21:24	1
1,1-Dichloroethane	5.3	U vs	5.3	0.64	ug/Kg	₩	09/05/23 17:19	09/05/23 21:24	1
1,1-Dichloroethene	5.3	U vs	5.3	0.65	ug/Kg	₩	09/05/23 17:19	09/05/23 21:24	1
1,2,4-Trimethylbenzene	5.3	U vs	5.3	1.0	ug/Kg	₽	09/05/23 17:19	09/05/23 21:24	1
1,2-Dichlorobenzene	5.3	U vs	5.3	0.41	ug/Kg	₩	09/05/23 17:19	09/05/23 21:24	1
1,2-Dichloroethane	5.3	U vs	5.3	0.26	ug/Kg	₩	09/05/23 17:19	09/05/23 21:24	1
1,3,5-Trimethylbenzene	5.3	U vs	5.3	0.34	ug/Kg	₩	09/05/23 17:19	09/05/23 21:24	1
1,3-Dichlorobenzene	5.3	U vs	5.3	0.27	ug/Kg	₩	09/05/23 17:19	09/05/23 21:24	1
1,4-Dichlorobenzene	5.3	U vs	5.3	0.74	ug/Kg	₩	09/05/23 17:19	09/05/23 21:24	1
1,4-Dioxane	110	U vs	110	23	ug/Kg	⊅	09/05/23 17:19	09/05/23 21:24	1
2-Butanone (MEK)	26	U vs	26	1.9	ug/Kg	₽	09/05/23 17:19	09/05/23 21:24	1
Acetone	12	J vs	26	4.4	ug/Kg	≎	09/05/23 17:19	09/05/23 21:24	1
Benzene	5.3	U vs	5.3	0.26	ug/Kg	⊅	09/05/23 17:19	09/05/23 21:24	1
Carbon tetrachloride	5.3	U vs	5.3	0.51	ug/Kg	☼	09/05/23 17:19	09/05/23 21:24	1
Chlorobenzene	5.3	U vs	5.3	0.70	ug/Kg	☼	09/05/23 17:19	09/05/23 21:24	1
Chloroform	5.3	Uvs	5.3	0.33	ug/Kg	₽	09/05/23 17:19	09/05/23 21:24	1
cis-1,2-Dichloroethene	5.3	U vs	5.3	0.68	ug/Kg	₽	09/05/23 17:19	09/05/23 21:24	1
Ethylbenzene	5.3	U vs	5.3	0.36	ug/Kg	☼	09/05/23 17:19	09/05/23 21:24	1
Methyl tert-butyl ether	5.3	Uvs	5.3	0.52	ug/Kg	₩	09/05/23 17:19	09/05/23 21:24	1
Methylene Chloride	5.3	U vs	5.3	2.4	ug/Kg	₽	09/05/23 17:19	09/05/23 21:24	1
n-Butylbenzene	5.3	U vs	5.3	0.46	ug/Kg	☼	09/05/23 17:19	09/05/23 21:24	1
N-Propylbenzene	5.3	Uvs	5.3	0.42	ug/Kg	₽	09/05/23 17:19	09/05/23 21:24	1
sec-Butylbenzene	5.3	U vs	5.3	0.46	ug/Kg	₽	09/05/23 17:19	09/05/23 21:24	1
tert-Butylbenzene	5.3	U vs	5.3	0.55	ug/Kg	☼	09/05/23 17:19	09/05/23 21:24	1
Tetrachloroethene	5.3	Uvs	5.3	0.71	ug/Kg	₽	09/05/23 17:19	09/05/23 21:24	1
Toluene	5.3	U vs	5.3	0.40	ug/Kg	₽	09/05/23 17:19	09/05/23 21:24	1
trans-1,2-Dichloroethene	5.3	U vs	5.3	0.54	ug/Kg	₩	09/05/23 17:19	09/05/23 21:24	1

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Job ID: 480-212326-1

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-2 1-2 Lab Sample ID: 480-212326-2

Analyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	5.3	U vs	5.3		1.2	ug/Kg	<del></del>	09/05/23 17:19	09/05/23 21:24	1
Vinyl chloride	5.3	U vs	5.3		0.64	ug/Kg	₽	09/05/23 17:19	09/05/23 21:24	1
Xylenes, Total	11	U vs	11		0.89	ug/Kg	☼	09/05/23 17:19	09/05/23 21:24	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			N/A	09/05/23 17:19	09/05/23 21:24	1
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126					09/05/23 17:19	09/05/23 21:24	1
4-Bromofluorobenzene (Surr)	96		72 - 126					09/05/23 17:19	09/05/23 21:24	1
Dibromofluoromethane (Surr)	106		60 - 140					09/05/23 17:19	09/05/23 21:24	1
Toluene-d8 (Surr)	99		71 - 125					09/05/23 17:19	09/05/23 21:24	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1100	U	1100	580	ug/Kg	<del>-</del>	09/05/23 08:47	09/06/23 14:59	10
2-Methylphenol	1800	U	1800	210	ug/Kg	☼	09/05/23 08:47	09/06/23 14:59	10
3-Methylphenol	3500	U	3500	270	ug/Kg	☼	09/05/23 08:47	09/06/23 14:59	10
4-Methylphenol	3500	U	3500	210	ug/Kg	₽	09/05/23 08:47	09/06/23 14:59	10
Acenaphthene	1800	U	1800	260	ug/Kg	☼	09/05/23 08:47	09/06/23 14:59	10
Acenaphthylene	260	J	1800	230	ug/Kg	₽	09/05/23 08:47	09/06/23 14:59	10
Anthracene	1800	U	1800	440	ug/Kg	₽	09/05/23 08:47	09/06/23 14:59	10
Benzo[a]anthracene	700	J	1800	180	ug/Kg	₩	09/05/23 08:47	09/06/23 14:59	10
Benzo[a]pyrene	850	J	1800	260	ug/Kg	₽	09/05/23 08:47	09/06/23 14:59	10
Benzo[b]fluoranthene	1000	J	1800	280	ug/Kg	₽	09/05/23 08:47	09/06/23 14:59	10
Benzo[g,h,i]perylene	680	J	1800	190	ug/Kg	₽	09/05/23 08:47	09/06/23 14:59	10
Benzo[k]fluoranthene	520	J	1800	230	ug/Kg	₩	09/05/23 08:47	09/06/23 14:59	10
Chrysene	860	J	1800	400	ug/Kg	₽	09/05/23 08:47	09/06/23 14:59	10
Dibenz(a,h)anthracene	1800	U	1800	320	ug/Kg	₽	09/05/23 08:47	09/06/23 14:59	10
Dibenzofuran	1800	U	1800	210	ug/Kg	₩	09/05/23 08:47	09/06/23 14:59	10
Fluoranthene	1600	J	1800	190	ug/Kg	₽	09/05/23 08:47	09/06/23 14:59	10
Fluorene	1800	U	1800	210	ug/Kg	₩	09/05/23 08:47	09/06/23 14:59	10
Hexachlorobenzene	1800	U	1800	240	ug/Kg	☼	09/05/23 08:47	09/06/23 14:59	10
Indeno[1,2,3-cd]pyrene	570	J	1800	220	ug/Kg	₽	09/05/23 08:47	09/06/23 14:59	10
Naphthalene	1800	U	1800	230	ug/Kg	☼	09/05/23 08:47	09/06/23 14:59	10
Pentachlorophenol	3500	U	3500	1800	ug/Kg	₽	09/05/23 08:47	09/06/23 14:59	10
Phenanthrene	600	J	1800	260	ug/Kg	₽	09/05/23 08:47	09/06/23 14:59	10
Phenol	1800	U	1800	270	ug/Kg	☼	09/05/23 08:47	09/06/23 14:59	10
Pyrene	1300	J	1800	210	ug/Kg	☆	09/05/23 08:47	09/06/23 14:59	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82	54 - 120	09/05/23 08:47	09/06/23 14:59	10
2-Fluorobiphenyl (Surr)	91	60 - 120	09/05/23 08:47	09/06/23 14:59	10
2-Fluorophenol (Surr)	74	52 - 120	09/05/23 08:47	09/06/23 14:59	10
Nitrobenzene-d5 (Surr)	81	53 - 120	09/05/23 08:47	09/06/23 14:59	10
Phenol-d5 (Surr)	82	54 - 120	09/05/23 08:47	09/06/23 14:59	10
p-Terphenyl-d14 (Surr)	98	79 - 130	09/05/23 08:47	09/06/23 14:59	10

Method: SW846 8081B - Orgar	nochlorine l	Pesticides	(GC)							
Analyte	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	35	U		35	6.8	ug/Kg	<del></del>	09/05/23 16:04	09/06/23 11:03	20

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Job ID: 480-212326-1

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Project/Site: 166 E 4th Street, Dunkirk, NY

Lab Sample ID: 480-212326-2 Client Sample ID: BH-2 1-2

Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 93.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	35	U	35	7.3	ug/Kg	☆	09/05/23 16:04	09/06/23 11:03	20
4,4'-DDT	35	U	35	8.2	ug/Kg	☆	09/05/23 16:04	09/06/23 11:03	20
Aldrin	35	U	35	8.6	ug/Kg	₽	09/05/23 16:04	09/06/23 11:03	20
alpha-BHC	35	U	35	6.3	ug/Kg	≎	09/05/23 16:04	09/06/23 11:03	20
beta-BHC	35	U F1	35	6.3	ug/Kg	≎	09/05/23 16:04	09/06/23 11:03	20
cis-Chlordane	35	U F1	35	17	ug/Kg	≎	09/05/23 16:04	09/06/23 11:03	20
delta-BHC	35	U	35	6.5	ug/Kg	☼	09/05/23 16:04	09/06/23 11:03	20
Dieldrin	35	U	35	8.4	ug/Kg	≎	09/05/23 16:04	09/06/23 11:03	20
Endosulfan I	35	U	35	6.7	ug/Kg	≎	09/05/23 16:04	09/06/23 11:03	20
Endosulfan II	35	U	35	6.3	ug/Kg	≎	09/05/23 16:04	09/06/23 11:03	20
Endosulfan sulfate	11	J F1	35	6.5	ug/Kg	☼	09/05/23 16:04	09/06/23 11:03	20
Endrin	35	U	35	6.9	ug/Kg	₽	09/05/23 16:04	09/06/23 11:03	20
gamma-BHC (Lindane)	35	U	35	6.4	ug/Kg	≎	09/05/23 16:04	09/06/23 11:03	20
Heptachlor	35	U	35	7.6	ug/Kg	₩	09/05/23 16:04	09/06/23 11:03	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl		S1-	45 - 120				09/05/23 16:04	09/06/23 11:03	20
DCB Decachlorobiphenyl	0	S1-	45 - 120				09/05/23 16:04	09/06/23 11:03	20
Tetrachloro-m-xylene	0	S1-	30 - 124				09/05/23 16:04	09/06/23 11:03	20
Tetrachloro-m-xylene	0	S1-	30 - 124				09/05/23 16:04	09/06/23 11:03	20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.2		2.2	0.44	mg/Kg	<u></u>	09/01/23 14:36	09/06/23 14:40	1
Barium	112		0.55	0.12	mg/Kg	☼	09/01/23 14:36	09/06/23 14:40	1
Beryllium	0.69		0.22	0.031	mg/Kg	☼	09/01/23 14:36	09/06/23 14:40	1
Cadmium	0.34		0.22	0.033	mg/Kg	₩	09/01/23 14:36	09/06/23 14:40	1
Chromium	14.6		0.55	0.22	mg/Kg	☼	09/01/23 14:36	09/06/23 14:40	1
Copper	45.6		1.1	0.23	mg/Kg	₩	09/01/23 14:36	09/06/23 14:40	1
Lead	36.5		1.1	0.26	mg/Kg	₩	09/01/23 14:36	09/06/23 14:40	1
Manganese	403	В	0.22	0.035	mg/Kg	₩	09/01/23 14:36	09/06/23 14:40	1
Nickel	41.8		5.5	0.25	mg/Kg	₩	09/01/23 14:36	09/06/23 14:40	1
Selenium	4.4	U	4.4	0.44	mg/Kg	⊅	09/01/23 14:36	09/06/23 14:40	1
Silver	0.66	U	0.66	0.22	mg/Kg	₩	09/01/23 14:36	09/06/23 14:40	1
Zinc	90.9		2.2	0.70	mg/Kg	₩	09/01/23 14:36	09/06/23 14:40	1

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Method: SW846 7471B - Mercu	ıry (CVAA)							
Analyte	Result Qualifie	er RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033	0.021	0.0047	mg/Kg	<u></u>	09/12/23 10:54	09/12/23 13:08	1

Lab Sample ID: 480-212326-3 Client Sample ID: BH-3 1-2.5 Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 85.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.7	U vs	5.7	0.41	ug/Kg	— <u>~</u>	09/05/23 17:19	09/05/23 21:48	1
1,1-Dichloroethane	5.7	U vs	5.7	0.69	ug/Kg	☼	09/05/23 17:19	09/05/23 21:48	1
1,1-Dichloroethene	5.7	U vs	5.7	0.70	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
1,2,4-Trimethylbenzene	5.7	U vs	5.7	1.1	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
1,2-Dichlorobenzene	5.7	U vs	5.7	0.44	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1

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Job ID: 480-212326-1

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-3 1-2.5

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15 Lab Sample ID: 480-212326-3

**Matrix: Solid** 

Percent Solids: 85.4

Job ID: 480-212326-1

Analyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	5.7	U vs	5.7		0.29	ug/Kg	<del>*</del>	09/05/23 17:19	09/05/23 21:48	1
1,3,5-Trimethylbenzene	5.7	U vs	5.7		0.37	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
1,3-Dichlorobenzene	5.7	U vs	5.7		0.29	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
1,4-Dichlorobenzene	5.7	U vs	5.7		0.80	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
1,4-Dioxane	110	U vs	110		25	ug/Kg	₽	09/05/23 17:19	09/05/23 21:48	1
2-Butanone (MEK)	28	U vs	28		2.1	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
Acetone	28	U vs	28		4.8	ug/Kg	₽	09/05/23 17:19	09/05/23 21:48	1
Benzene	5.7	U vs	5.7		0.28	ug/Kg	₽	09/05/23 17:19	09/05/23 21:48	1
Carbon tetrachloride	5.7	U vs	5.7		0.55	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
Chlorobenzene	5.7	U vs	5.7		0.75	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
Chloroform	5.7	U vs	5.7		0.35	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
cis-1,2-Dichloroethene	5.7	U vs	5.7		0.73	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
Ethylbenzene	5.7	U vs	5.7		0.39	ug/Kg	₽	09/05/23 17:19	09/05/23 21:48	1
Methyl tert-butyl ether	5.7	U vs	5.7		0.56	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
Methylene Chloride	5.7	U vs	5.7		2.6	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
n-Butylbenzene	5.7	U vs	5.7		0.49	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
N-Propylbenzene	5.7	U vs	5.7		0.45	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
sec-Butylbenzene	5.7	U vs	5.7		0.49	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
tert-Butylbenzene	5.7	U vs	5.7		0.59	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
Tetrachloroethene	5.7	U vs	5.7		0.76	ug/Kg	₽	09/05/23 17:19	09/05/23 21:48	1
Toluene	5.7	U vs	5.7		0.43	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
trans-1,2-Dichloroethene	5.7	U vs	5.7		0.59	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
Trichloroethene	5.7	U vs	5.7		1.3	ug/Kg	₽	09/05/23 17:19	09/05/23 21:48	1
Vinyl chloride	5.7	U vs	5.7		0.69	ug/Kg	₩	09/05/23 17:19	09/05/23 21:48	1
Xylenes, Total	11	U vs	11		0.96	ug/Kg	☼	09/05/23 17:19	09/05/23 21:48	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	<u></u>			N/A	09/05/23 17:19	09/05/23 21:48	1

ı	rentatively identified Compound	Est. Result	Qualifier	Unit	U	RI	CAS NO.	Preparea	Anaiyzea	DII Fac
	Tentatively Identified Compound	None	-	ug/Kg	<del>*</del>		N/A	09/05/23 17:19	09/05/23 21:48	1
	Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
	1,2-Dichloroethane-d4 (Surr)	109		64 - 126				09/05/23 17:19	09/05/23 21:48	1
	4-Bromofluorobenzene (Surr)	100		72 - 126				09/05/23 17:19	09/05/23 21:48	1
	Dibromofluoromethane (Surr)	105		60 - 140				09/05/23 17:19	09/05/23 21:48	1
	Toluene-d8 (Surr)	99		71 - 125				09/05/23 17:19	09/05/23 21:48	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1200	U	1200	640	ug/Kg	<del>-</del>	09/05/23 08:47	09/06/23 15:23	10
2-Methylphenol	2000	U	2000	230	ug/Kg	☼	09/05/23 08:47	09/06/23 15:23	10
3-Methylphenol	3800	U	3800	300	ug/Kg	☼	09/05/23 08:47	09/06/23 15:23	10
4-Methylphenol	3800	U	3800	230	ug/Kg	⊅	09/05/23 08:47	09/06/23 15:23	10
Acenaphthene	2000	U	2000	290	ug/Kg	₩	09/05/23 08:47	09/06/23 15:23	10
Acenaphthylene	2000	U	2000	250	ug/Kg	☼	09/05/23 08:47	09/06/23 15:23	10
Anthracene	2000	U	2000	490	ug/Kg	₩	09/05/23 08:47	09/06/23 15:23	10
Benzo[a]anthracene	600	J	2000	200	ug/Kg	☼	09/05/23 08:47	09/06/23 15:23	10
Benzo[a]pyrene	600	J	2000	290	ug/Kg	☼	09/05/23 08:47	09/06/23 15:23	10
Benzo[b]fluoranthene	670	J	2000	310	ug/Kg	₩	09/05/23 08:47	09/06/23 15:23	10
Benzo[g,h,i]perylene	490	J	2000	210	ug/Kg	₩	09/05/23 08:47	09/06/23 15:23	10
Benzo[k]fluoranthene	320	J	2000	250	ug/Kg	₩	09/05/23 08:47	09/06/23 15:23	10
Chrysene	560	J	2000	440	ug/Kg	₩	09/05/23 08:47	09/06/23 15:23	10

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-3 1-2.5

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

Lab Sample ID: 480-212326-3

**Matrix: Solid** 

Percent Solids: 85.4

Job ID: 480-212326-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	2000	U	2000	350	ug/Kg	₽	09/05/23 08:47	09/06/23 15:23	10
Dibenzofuran	2000	U	2000	230	ug/Kg	₽	09/05/23 08:47	09/06/23 15:23	10
Fluoranthene	1100	J	2000	210	ug/Kg	₽	09/05/23 08:47	09/06/23 15:23	10
Fluorene	2000	U	2000	230	ug/Kg	₽	09/05/23 08:47	09/06/23 15:23	10
Hexachlorobenzene	2000	U	2000	270	ug/Kg	₽	09/05/23 08:47	09/06/23 15:23	10
Indeno[1,2,3-cd]pyrene	350	J	2000	240	ug/Kg	₽	09/05/23 08:47	09/06/23 15:23	10
Naphthalene	2000	U	2000	250	ug/Kg	☼	09/05/23 08:47	09/06/23 15:23	10
Pentachlorophenol	3800	U	3800	2000	ug/Kg	≎	09/05/23 08:47	09/06/23 15:23	10
Phenanthrene	540	J	2000	290	ug/Kg	₽	09/05/23 08:47	09/06/23 15:23	10
Phenol	2000	U	2000	300	ug/Kg	≎	09/05/23 08:47	09/06/23 15:23	10
Pyrene	940	J	2000	230	ug/Kg	₩	09/05/23 08:47	09/06/23 15:23	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		54 - 120				09/05/23 08:47	09/06/23 15:23	10
2-Fluorobiphenyl (Surr)	98		60 - 120				09/05/23 08:47	09/06/23 15:23	10
2-Fluorophenol (Surr)	82		52 - 120				09/05/23 08:47	09/06/23 15:23	10
Nitrobenzene-d5 (Surr)	92		53 - 120				09/05/23 08:47	09/06/23 15:23	10
Phenol-d5 (Surr)	94		54 - 120				09/05/23 08:47	09/06/23 15:23	10
p-Terphenyl-d14 (Surr)	113		79 - 130				09/05/23 08:47	09/06/23 15:23	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	19	U	19	3.7	ug/Kg	<del>-</del>	09/05/23 16:04	09/06/23 11:42	10
4,4'-DDE	16	J	19	4.0	ug/Kg	☼	09/05/23 16:04	09/06/23 11:42	10
4,4'-DDT	11	J	19	4.5	ug/Kg	₽	09/05/23 16:04	09/06/23 11:42	10
Aldrin	19	U	19	4.7	ug/Kg	₽	09/05/23 16:04	09/06/23 11:42	10
alpha-BHC	19	U	19	3.5	ug/Kg	₽	09/05/23 16:04	09/06/23 11:42	10
beta-BHC	19	U	19	3.5	ug/Kg	₽	09/05/23 16:04	09/06/23 11:42	10
cis-Chlordane	19	U	19	9.6	ug/Kg	₽	09/05/23 16:04	09/06/23 11:42	10
delta-BHC	19	U	19	3.6	ug/Kg	₽	09/05/23 16:04	09/06/23 11:42	10
Dieldrin	19	U	19	4.6	ug/Kg	₽	09/05/23 16:04	09/06/23 11:42	10
Endosulfan I	19	U	19	3.7	ug/Kg	₩	09/05/23 16:04	09/06/23 11:42	10
Endosulfan II	19	U	19	3.5	ug/Kg	₽	09/05/23 16:04	09/06/23 11:42	10
Endosulfan sulfate	19	U	19	3.6	ug/Kg	₽	09/05/23 16:04	09/06/23 11:42	10
Endrin	19	U	19	3.8	ug/Kg	₽	09/05/23 16:04	09/06/23 11:42	10
gamma-BHC (Lindane)	19	U	19	3.5	ug/Kg	₽	09/05/23 16:04	09/06/23 11:42	10
Heptachlor	19	U	19	4.2	ug/Kg	≎	09/05/23 16:04	09/06/23 11:42	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qual	ifier Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	115	45 - 120	09/05/23 16:04	09/06/23 11:42	10
DCB Decachlorobiphenyl	223 S1+	45 - 120	09/05/23 16:04	09/06/23 11:42	10
Tetrachloro-m-xylene	64	30 - 124	09/05/23 16:04	09/06/23 11:42	10
Tetrachloro-m-xylene	97	30 - 124	09/05/23 16:04	09/06/23 11:42	10

Method: SW846 6010C - N	Metals (ICP)							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.5	2.4	0.48	mg/Kg	₩	09/01/23 14:36	09/06/23 14:55	1
Barium	195	0.59	0.13	mg/Kg	₩	09/01/23 14:36	09/06/23 14:55	1
Beryllium	0.70	0.24	0.033	mg/Kg	₩	09/01/23 14:36	09/06/23 14:55	1
Cadmium	0.94	0.24	0.036	mg/Kg	₽	09/01/23 14:36	09/06/23 14:55	1

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**Eurofins Buffalo** 

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-3 1-2.5

Lab Sample ID: 480-212326-3

Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 85.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	21.1		0.59	0.24	mg/Kg	<u></u>	09/01/23 14:36	09/06/23 14:55	1
Copper	53.8		1.2	0.25	mg/Kg	☼	09/01/23 14:36	09/06/23 14:55	1
Lead	429		1.2	0.29	mg/Kg	₩	09/01/23 14:36	09/06/23 14:55	1
Manganese	338	В	0.24	0.038	mg/Kg	₩	09/01/23 14:36	09/06/23 14:55	1
Nickel	21.1		5.9	0.27	mg/Kg	☼	09/01/23 14:36	09/06/23 14:55	1
Selenium	4.8	U	4.8	0.48	mg/Kg	₩	09/01/23 14:36	09/06/23 14:55	1
Silver	0.71	U	0.71	0.24	mg/Kg	₩	09/01/23 14:36	09/06/23 14:55	1
Zinc	361		2.4	0.76	mg/Kg	☼	09/01/23 14:36	09/06/23 14:55	1
Method: SW846 7471E	B - Mercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.75		0.021	0.0048	mg/Kg	— <u></u>	09/12/23 10:54	09/12/23 13:09	1

Client Sample ID: BH-5 1-2 Lab Sample ID: 480-212326-4 Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 85.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.7	U vs	5.7	0.41	ug/Kg	<del>-</del>	09/05/23 17:19	09/05/23 22:12	1
1,1-Dichloroethane	5.7	U vs	5.7	0.70	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
1,1-Dichloroethene	5.7	U vs	5.7	0.70	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
1,2,4-Trimethylbenzene	5.7	U vs	5.7	1.1	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
1,2-Dichlorobenzene	5.7	U vs	5.7	0.45	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
1,2-Dichloroethane	5.7	U vs	5.7	0.29	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
1,3,5-Trimethylbenzene	5.7	U vs	5.7	0.37	ug/Kg	₽	09/05/23 17:19	09/05/23 22:12	1
1,3-Dichlorobenzene	5.7	U vs	5.7	0.29	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
1,4-Dichlorobenzene	5.7	U vs	5.7	0.80	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
1,4-Dioxane	110	U vs	110	25	ug/Kg	₽	09/05/23 17:19	09/05/23 22:12	1
2-Butanone (MEK)	14	J vs	29	2.1	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
Acetone	95	vs	29	4.8	ug/Kg	₩	09/05/23 17:19	09/05/23 22:12	1
Benzene	5.7	U vs	5.7	0.28	ug/Kg	₩	09/05/23 17:19	09/05/23 22:12	1
Carbon tetrachloride	5.7	U vs	5.7	0.55	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
Chlorobenzene	5.7	U vs	5.7	0.75	ug/Kg	₩	09/05/23 17:19	09/05/23 22:12	1
Chloroform	5.7	U vs	5.7	0.35	ug/Kg	⊅	09/05/23 17:19	09/05/23 22:12	1
cis-1,2-Dichloroethene	5.7	U vs	5.7	0.73	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
Ethylbenzene	5.7	U vs	5.7	0.39	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
Methyl tert-butyl ether	5.7	U vs	5.7	0.56	ug/Kg	⊅	09/05/23 17:19	09/05/23 22:12	1
Methylene Chloride	5.7	U vs	5.7	2.6	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
n-Butylbenzene	5.7	U vs	5.7	0.50	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
N-Propylbenzene	5.7	U vs	5.7	0.46	ug/Kg	⊅	09/05/23 17:19	09/05/23 22:12	1
sec-Butylbenzene	5.7	U vs	5.7	0.50	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
tert-Butylbenzene	5.7	U vs	5.7	0.59	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
Tetrachloroethene	5.7	Uvs	5.7	0.77	ug/Kg	₽	09/05/23 17:19	09/05/23 22:12	1
Toluene	5.7	U vs	5.7	0.43	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
trans-1,2-Dichloroethene	5.7	U vs	5.7	0.59	ug/Kg	☼	09/05/23 17:19	09/05/23 22:12	1
Trichloroethene	5.7	Uvs	5.7	1.3	ug/Kg	₽	09/05/23 17:19	09/05/23 22:12	1
Vinyl chloride	5.7	U vs	5.7	0.70	ug/Kg	₽	09/05/23 17:19	09/05/23 22:12	1
Xylenes, Total	11	U vs	11	0.96	ug/Kg	₩	09/05/23 17:19	09/05/23 22:12	1

Job ID: 480-212326-1

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-5 1-2

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

Lab Sample ID: 480-212326-4

**Matrix: Solid** 

Job ID: 480-212326-1

Percent Solids: 85.8

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	<b>☆</b>		N/A	09/05/23 17:19	09/05/23 22:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126				09/05/23 17:19	09/05/23 22:12	1
4-Bromofluorobenzene (Surr)	99		72 - 126				09/05/23 17:19	09/05/23 22:12	1
Dibromofluoromethane (Surr)	102		60 - 140				09/05/23 17:19	09/05/23 22:12	1
Toluene-d8 (Surr)	99		71 - 125				09/05/23 17:19	09/05/23 22:12	1

Method: SW846 8270D	- Semivolatile Organic	Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1200	U	1200	640	ug/Kg	<u></u>	09/05/23 08:47	09/06/23 15:48	10
2-Methylphenol	2000	U	2000	230	ug/Kg	₩	09/05/23 08:47	09/06/23 15:48	10
3-Methylphenol	3800	U	3800	300	ug/Kg	₩	09/05/23 08:47	09/06/23 15:48	10
4-Methylphenol	3800	U	3800	230	ug/Kg	₩	09/05/23 08:47	09/06/23 15:48	10
Acenaphthene	2000	U	2000	290	ug/Kg	☼	09/05/23 08:47	09/06/23 15:48	10
Acenaphthylene	2000	U	2000	250	ug/Kg	≎	09/05/23 08:47	09/06/23 15:48	10
Anthracene	2000	U	2000	490	ug/Kg	☼	09/05/23 08:47	09/06/23 15:48	10
Benzo[a]anthracene	890	J	2000	200	ug/Kg	≎	09/05/23 08:47	09/06/23 15:48	10
Benzo[a]pyrene	1000	J	2000	290	ug/Kg	☼	09/05/23 08:47	09/06/23 15:48	10
Benzo[b]fluoranthene	1300	J	2000	310	ug/Kg	₽	09/05/23 08:47	09/06/23 15:48	10
Benzo[g,h,i]perylene	780	J	2000	210	ug/Kg	≎	09/05/23 08:47	09/06/23 15:48	10
Benzo[k]fluoranthene	660	J	2000	250	ug/Kg	≎	09/05/23 08:47	09/06/23 15:48	10
Chrysene	1100	J	2000	440	ug/Kg	₩	09/05/23 08:47	09/06/23 15:48	10
Dibenz(a,h)anthracene	2000	U	2000	350	ug/Kg	☆	09/05/23 08:47	09/06/23 15:48	10
Dibenzofuran	2000	U	2000	230	ug/Kg	☆	09/05/23 08:47	09/06/23 15:48	10
Fluoranthene	1700	J	2000	210	ug/Kg	₩	09/05/23 08:47	09/06/23 15:48	10
Fluorene	2000	U	2000	230	ug/Kg	₽	09/05/23 08:47	09/06/23 15:48	10
Hexachlorobenzene	2000	U	2000	270	ug/Kg	₽	09/05/23 08:47	09/06/23 15:48	10
Indeno[1,2,3-cd]pyrene	610	J	2000	240	ug/Kg	₽	09/05/23 08:47	09/06/23 15:48	10
Naphthalene	2000	U	2000	250	ug/Kg	₽	09/05/23 08:47	09/06/23 15:48	10
Pentachlorophenol	3800	U	3800	2000	ug/Kg	₽	09/05/23 08:47	09/06/23 15:48	10
Phenanthrene	680	J	2000	290	ug/Kg	₩	09/05/23 08:47	09/06/23 15:48	10
Phenol	2000	U	2000	300	ug/Kg	₩	09/05/23 08:47	09/06/23 15:48	10
Pyrene	1400	J	2000	230	ug/Kg	₽	09/05/23 08:47	09/06/23 15:48	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		54 - 120	09/05/23 08:47	09/06/23 15:48	10
2-Fluorobiphenyl (Surr)	91		60 - 120	09/05/23 08:47	09/06/23 15:48	10
2-Fluorophenol (Surr)	82		52 - 120	09/05/23 08:47	09/06/23 15:48	10
Nitrobenzene-d5 (Surr)	87		53 - 120	09/05/23 08:47	09/06/23 15:48	10
Phenol-d5 (Surr)	89		54 <sub>-</sub> 120	09/05/23 08:47	09/06/23 15:48	10
p-Terphenyl-d14 (Surr)	105		79 - 130	09/05/23 08:47	09/06/23 15:48	10

#### Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte Res	ult Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	19 U	19	3.7	ug/Kg	— <u></u>	09/05/23 16:04	09/06/23 12:02	10
4,4'-DDE	19 U	19	4.0	ug/Kg	₽	09/05/23 16:04	09/06/23 12:02	10
4,4'-DDT	.7 J	19	4.5	ug/Kg	₩	09/05/23 16:04	09/06/23 12:02	10
Aldrin	19 U	19	4.7	ug/Kg	₽	09/05/23 16:04	09/06/23 12:02	10
alpha-BHC	19 U	19	3.4	ug/Kg	₩	09/05/23 16:04	09/06/23 12:02	10
beta-BHC	19 U	19	3.4	ug/Kg	☼	09/05/23 16:04	09/06/23 12:02	10

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-5 1-2 Lab Sample ID: 480-212326-4

Date Collected: 08/31/23 00:00 **Matrix: Solid** Percent Solids: 85.8 Date Received: 08/31/23 15:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	13	J	19	9.5	ug/Kg	<del>-</del>	09/05/23 16:04	09/06/23 12:02	10
delta-BHC	19	U	19	3.6	ug/Kg	₽	09/05/23 16:04	09/06/23 12:02	10
Dieldrin	19	U	19	4.6	ug/Kg	₩	09/05/23 16:04	09/06/23 12:02	10
Endosulfan I	19	U	19	3.7	ug/Kg	⊅	09/05/23 16:04	09/06/23 12:02	10
Endosulfan II	19	U	19	3.4	ug/Kg	₽	09/05/23 16:04	09/06/23 12:02	10
Endosulfan sulfate	19	U	19	3.6	ug/Kg	≎	09/05/23 16:04	09/06/23 12:02	10
Endrin	19	U	19	3.8	ug/Kg	⊅	09/05/23 16:04	09/06/23 12:02	10
gamma-BHC (Lindane)	19	U	19	3.5	ug/Kg	₽	09/05/23 16:04	09/06/23 12:02	10
Heptachlor	19	U	19	4.1	ug/Kg	₩	09/05/23 16:04	09/06/23 12:02	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	109		45 - 120				09/05/23 16:04	09/06/23 12:02	10
DCB Decachlorobiphenyl	164	S1+	45 - 120				09/05/23 16:04	09/06/23 12:02	10
Tetrachloro-m-xylene	62		30 - 124				09/05/23 16:04	09/06/23 12:02	10
Tetrachloro-m-xylene	92		30 - 124				09/05/23 16:04	09/06/23 12:02	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.5		2.4	0.48	mg/Kg	<u></u>	09/01/23 14:36	09/06/23 14:59	1
Barium	264		0.60	0.13	mg/Kg	₩	09/01/23 14:36	09/06/23 14:59	1
Beryllium	0.77		0.24	0.033	mg/Kg	₩	09/01/23 14:36	09/06/23 14:59	1
Cadmium	0.98		0.24	0.036	mg/Kg	₩	09/01/23 14:36	09/06/23 14:59	1
Chromium	27.3		0.60	0.24	mg/Kg	₩	09/01/23 14:36	09/06/23 14:59	1
Copper	54.0		1.2	0.25	mg/Kg	₩	09/01/23 14:36	09/06/23 14:59	1
Lead	243		1.2	0.29	mg/Kg	₩	09/01/23 14:36	09/06/23 14:59	1
Manganese	546	В	0.24	0.038	mg/Kg	₩	09/01/23 14:36	09/06/23 14:59	1
Nickel	23.7		6.0	0.27	mg/Kg	₩	09/01/23 14:36	09/06/23 14:59	1
Selenium	2.2	J	4.8	0.48	mg/Kg	₩	09/01/23 14:36	09/06/23 14:59	1
Silver	0.72	U	0.72	0.24	mg/Kg	₩	09/01/23 14:36	09/06/23 14:59	1
Zinc	806		2.4	0.76	mg/Kg	≎	09/01/23 14:36	09/06/23 14:59	1

│ Method: SW846 7471B - Mercu	ıry (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.85		0.024	0.0055	mg/Kg	☼	09/12/23 10:54	09/12/23 13:10	1

Client Sample ID: BH-6 1-3 Lab Sample ID: 480-212326-5 Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 **Percent Solids: 89.1** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.4	U vs	5.4	0.39	ug/Kg	— <u>~</u>	09/05/23 17:19	09/05/23 22:37	1
1,1-Dichloroethane	5.4	U vs	5.4	0.66	ug/Kg	₩	09/05/23 17:19	09/05/23 22:37	1
1,1-Dichloroethene	5.4	U vs	5.4	0.66	ug/Kg	₩	09/05/23 17:19	09/05/23 22:37	1
1,2,4-Trimethylbenzene	5.4	U vs	5.4	1.0	ug/Kg	☼	09/05/23 17:19	09/05/23 22:37	1
1,2-Dichlorobenzene	5.4	U vs	5.4	0.42	ug/Kg	₩	09/05/23 17:19	09/05/23 22:37	1
1,2-Dichloroethane	5.4	U vs	5.4	0.27	ug/Kg	☼	09/05/23 17:19	09/05/23 22:37	1
1,3,5-Trimethylbenzene	5.4	U vs	5.4	0.35	ug/Kg	⊅	09/05/23 17:19	09/05/23 22:37	1
1,3-Dichlorobenzene	5.4	U vs	5.4	0.28	ug/Kg	☼	09/05/23 17:19	09/05/23 22:37	1
1,4-Dichlorobenzene	5.4	U vs	5.4	0.76	ug/Kg	☼	09/05/23 17:19	09/05/23 22:37	1
1,4-Dioxane	110	Uvs	110	24	ug/Kg	₩	09/05/23 17:19	09/05/23 22:37	1

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Job ID: 480-212326-1

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-6 1-3

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Lab Sample ID: 480-212326-5

09/05/23 17:19 09/05/23 22:37

09/05/23 17:19 09/05/23 22:37

Matrix: Solid

Percent Solids: 89.1

Job ID: 480-212326-1

Analyte	Result	Qualifier	R	L	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	13	J vs	2	7	2.0	ug/Kg	<del></del>	09/05/23 17:19	09/05/23 22:37	1
Acetone	86	vs	2	7	4.6	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
Benzene	5.4	U vs	5	4	0.27	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
Carbon tetrachloride	5.4	U vs	5.	4	0.52	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
Chlorobenzene	5.4	U vs	5.	4	0.71	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
Chloroform	5.4	U vs	5.	4	0.33	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
cis-1,2-Dichloroethene	5.4	U vs	5.	4	0.69	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
Ethylbenzene	5.4	U vs	5.	4	0.37	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
Methyl tert-butyl ether	5.4	U vs	5.	4	0.53	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
Methylene Chloride	5.4	U vs	5.	4	2.5	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
n-Butylbenzene	5.4	U vs	5.	4	0.47	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
N-Propylbenzene	5.4	U vs	5.	4	0.43	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
sec-Butylbenzene	5.4	U vs	5.	4	0.47	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
tert-Butylbenzene	5.4	U vs	5.	4	0.56	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
Tetrachloroethene	5.4	U vs	5	4	0.73	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
Toluene	5.4	U vs	5.	4	0.41	ug/Kg	₩	09/05/23 17:19	09/05/23 22:37	1
trans-1,2-Dichloroethene	5.4	U vs	5.	4	0.56	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
Trichloroethene	5.4	U vs	5	4	1.2	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
Vinyl chloride	5.4	U vs	5.	4	0.66	ug/Kg	₽	09/05/23 17:19	09/05/23 22:37	1
Xylenes, Total	11	U vs	1	1	0.91	ug/Kg	☼	09/05/23 17:19	09/05/23 22:37	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	\$			N/A	09/05/23 17:19	09/05/23 22:37	1
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	_				09/05/23 17:19	09/05/23 22:37	1
4-Bromofluorobenzene (Surr)	97		72 - 126					09/05/23 17:19	09/05/23 22:37	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	110	U	110	61	ug/Kg	— <u></u>	09/05/23 08:47	09/06/23 16:12	1
2-Methylphenol	190	U	190	22	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
3-Methylphenol	370	U	370	29	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
4-Methylphenol	370	U	370	22	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Acenaphthene	190	U	190	28	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Acenaphthylene	35	J	190	25	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Anthracene	190	U	190	47	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Benzo[a]anthracene	220		190	19	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Benzo[a]pyrene	260		190	28	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Benzo[b]fluoranthene	300		190	30	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Benzo[g,h,i]perylene	200		190	20	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Benzo[k]fluoranthene	130	J	190	25	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Chrysene	250		190	42	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Dibenz(a,h)anthracene	190	U	190	33	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Dibenzofuran	190	U	190	22	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Fluoranthene	360		190	20	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Fluorene	190	U	190	22	ug/Kg	☼	09/05/23 08:47	09/06/23 16:12	1
Hexachlorobenzene	190	U	190	26	ug/Kg	≎	09/05/23 08:47	09/06/23 16:12	1

60 - 140

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100

**Eurofins Buffalo** 

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-6 1-3

DCB Decachlorobiphenyl

DCB Decachlorobiphenyl

Tetrachloro-m-xylene

Tetrachloro-m-xylene

Lab Sample ID: 480-212326-5 Date Collected: 08/31/23 00:00 **Matrix: Solid** 

Date Received: 08/31/23 15:15 Percent Solids: 89.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	160	J	190	23	ug/Kg	<del>-</del>	09/05/23 08:47	09/06/23 16:12	1
Naphthalene	190	U	190	25	ug/Kg	₽	09/05/23 08:47	09/06/23 16:12	1
Pentachlorophenol	370	U	370	190	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Phenanthrene	130	J	190	28	ug/Kg	⊅	09/05/23 08:47	09/06/23 16:12	1
Phenol	190	U	190	29	ug/Kg	₽	09/05/23 08:47	09/06/23 16:12	1
Pyrene	280		190	22	ug/Kg	₩	09/05/23 08:47	09/06/23 16:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	100		54 - 120				09/05/23 08:47	09/06/23 16:12	1
2-Fluorobiphenyl (Surr)	100		60 - 120				09/05/23 08:47	09/06/23 16:12	1
2-Fluorophenol (Surr)	90		52 - 120				09/05/23 08:47	09/06/23 16:12	1
Nitrobenzene-d5 (Surr)	97		53 - 120				09/05/23 08:47	09/06/23 16:12	1
Phenol-d5 (Surr)	88		54 - 120				09/05/23 08:47	09/06/23 16:12	1
p-Terphenyl-d14 (Surr)	93		79 - 130				09/05/23 08:47	09/06/23 16:12	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	9.3	U	9.3	1.8	ug/Kg	<del></del>	09/05/23 16:04	09/06/23 12:21	5
4,4'-DDE	9.3	U	9.3	2.0	ug/Kg	₽	09/05/23 16:04	09/06/23 12:21	5
4,4'-DDT	9.3	U	9.3	2.2	ug/Kg	₽	09/05/23 16:04	09/06/23 12:21	5
Aldrin	9.3	U	9.3	2.3	ug/Kg	₩	09/05/23 16:04	09/06/23 12:21	5
alpha-BHC	9.3	U	9.3	1.7	ug/Kg	₽	09/05/23 16:04	09/06/23 12:21	5
beta-BHC	9.3	U	9.3	1.7	ug/Kg	₽	09/05/23 16:04	09/06/23 12:21	5
cis-Chlordane	9.3	U	9.3	4.6	ug/Kg	₽	09/05/23 16:04	09/06/23 12:21	5
delta-BHC	9.3	U	9.3	1.7	ug/Kg	₽	09/05/23 16:04	09/06/23 12:21	5
Dieldrin	9.3	U	9.3	2.2	ug/Kg	₽	09/05/23 16:04	09/06/23 12:21	5
Endosulfan I	9.3	U	9.3	1.8	ug/Kg	₽	09/05/23 16:04	09/06/23 12:21	5
Endosulfan II	9.3	U	9.3	1.7	ug/Kg	₽	09/05/23 16:04	09/06/23 12:21	5
Endosulfan sulfate	9.3	U	9.3	1.7	ug/Kg	₽	09/05/23 16:04	09/06/23 12:21	5
Endrin	9.3	U	9.3	1.8	ug/Kg	₽	09/05/23 16:04	09/06/23 12:21	5
gamma-BHC (Lindane)	9.3	U	9.3	1.7	ug/Kg	₽	09/05/23 16:04	09/06/23 12:21	5
Heptachlor	9.3	U	9.3	2.0	ug/Kg	☼	09/05/23 16:04	09/06/23 12:21	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

45 - 120

45 - 120

30 - 124

30 - 124

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89

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86

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.4		2.1	0.43	mg/Kg	☆	09/01/23 14:36	09/06/23 15:03	1
Barium	202		0.54	0.12	mg/Kg	₩	09/01/23 14:36	09/06/23 15:03	1
Beryllium	2.6		0.21	0.030	mg/Kg	₩	09/01/23 14:36	09/06/23 15:03	1
Cadmium	0.29		0.21	0.032	mg/Kg	₩	09/01/23 14:36	09/06/23 15:03	1
Chromium	16.9		0.54	0.21	mg/Kg	₩	09/01/23 14:36	09/06/23 15:03	1
Copper	28.3		1.1	0.22	mg/Kg	☼	09/01/23 14:36	09/06/23 15:03	1
Lead	27.5		1.1	0.26	mg/Kg	₩	09/01/23 14:36	09/06/23 15:03	1
Manganese	554	В	0.21	0.034	mg/Kg	₩	09/01/23 14:36	09/06/23 15:03	1
Nickel	24.4		5.4	0.25	mg/Kg	☼	09/01/23 14:36	09/06/23 15:03	1

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Job ID: 480-212326-1

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09/05/23 16:04 09/06/23 12:21

09/05/23 16:04 09/06/23 12:21

09/05/23 16:04 09/06/23 12:21

09/05/23 16:04 09/06/23 12:21

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-6 1-3

Lab Sample ID: 480-212326-5

Matrix: Solid

Percent Solids: 89.1

Job ID: 480-212326-1

Date Collected: 08/31/23 00:00	
Date Received: 08/31/23 15:15	

Method: SW846 6010C - Met	als (ICP) (Cor	ntinued)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	4.3	U	4.3	0.43	mg/Kg	<u></u>	09/01/23 14:36	09/06/23 15:03	1
Silver	0.64	U	0.64	0.21	mg/Kg	₩	09/01/23 14:36	09/06/23 15:03	1
Zinc	83.6		2.1	0.69	mg/Kg	₽	09/01/23 14:36	09/06/23 15:03	1
Method: SW846 7471B - Mer	cury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.020	0.0045	mg/Kg	₩	09/12/23 10:54	09/12/23 13:12	1

Client Sample ID: BH-7 1-2.5

Date Collected: 08/31/23 00:00

Lab Sample ID: 480-212326-6

Matrix: Solid

Date Received: 08/31/23 15:15 Percent Solids: 77.5

		0							
Method: SW846 8260C - Vola Analyte		Compour Qualifier	nas by GC/I RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.3	U vs	6.3	0.46	ug/Kg	<u></u>	09/05/23 17:19	09/05/23 23:01	1
1,1-Dichloroethane	6.3	U vs	6.3	0.77	ug/Kg	₩	09/05/23 17:19	09/05/23 23:01	1
1,1-Dichloroethene	6.3	U vs	6.3	0.77	ug/Kg	₩	09/05/23 17:19	09/05/23 23:01	1
1,2,4-Trimethylbenzene	6.3	Uvs	6.3	1.2	ug/Kg	₩	09/05/23 17:19	09/05/23 23:01	1
1,2-Dichlorobenzene	6.3	U vs	6.3	0.49	ug/Kg	₩	09/05/23 17:19	09/05/23 23:01	1
1,2-Dichloroethane	6.3	U vs	6.3	0.31	ug/Kg	₩	09/05/23 17:19	09/05/23 23:01	1
1,3,5-Trimethylbenzene	6.3	Uvs	6.3	0.40	ug/Kg		09/05/23 17:19	09/05/23 23:01	1
1,3-Dichlorobenzene	6.3	U vs	6.3	0.32	ug/Kg	≎	09/05/23 17:19	09/05/23 23:01	1
1,4-Dichlorobenzene	6.3	U vs	6.3	0.88	ug/Kg	₽	09/05/23 17:19	09/05/23 23:01	1
1,4-Dioxane	130	Uvs	130		ug/Kg		09/05/23 17:19	09/05/23 23:01	1
2-Butanone (MEK)	16	J vs	31	2.3	ug/Kg	₽	09/05/23 17:19	09/05/23 23:01	1
Acetone	95	vs	31	5.3	ug/Kg	₽	09/05/23 17:19	09/05/23 23:01	1
Benzene	6.3	Uvs	6.3				09/05/23 17:19	09/05/23 23:01	1
Carbon tetrachloride	6.3	U vs	6.3	0.61		₽	09/05/23 17:19	09/05/23 23:01	1
Chlorobenzene	6.3	U vs	6.3	0.83	ug/Kg	₽	09/05/23 17:19	09/05/23 23:01	1
Chloroform	6.3	Uvs	6.3		ug/Kg		09/05/23 17:19	09/05/23 23:01	1
cis-1,2-Dichloroethene	6.3	U vs	6.3	0.80		₽	09/05/23 17:19	09/05/23 23:01	1
Ethylbenzene	6.3	U vs	6.3	0.43	ug/Kg	₽	09/05/23 17:19	09/05/23 23:01	1
Methyl tert-butyl ether	6.3	Uvs	6.3	0.62	ug/Kg		09/05/23 17:19	09/05/23 23:01	1
Methylene Chloride	6.3	U vs	6.3	2.9	ug/Kg	₽	09/05/23 17:19	09/05/23 23:01	1
n-Butylbenzene	6.3	U vs	6.3		ug/Kg	₽	09/05/23 17:19	09/05/23 23:01	1
N-Propylbenzene	6.3	Uvs	6.3	0.50	ug/Kg		09/05/23 17:19	09/05/23 23:01	1
sec-Butylbenzene	6.3	U vs	6.3	0.55	ug/Kg	₽	09/05/23 17:19	09/05/23 23:01	1
tert-Butylbenzene	6.3	U vs	6.3		ug/Kg	₽	09/05/23 17:19	09/05/23 23:01	1
Tetrachloroethene	6.3	U vs	6.3	0.84	ug/Kg		09/05/23 17:19	09/05/23 23:01	1
Toluene	6.3	U vs	6.3		ug/Kg	₽	09/05/23 17:19	09/05/23 23:01	1
trans-1,2-Dichloroethene	6.3	U vs	6.3	0.65	ug/Kg	₽	09/05/23 17:19	09/05/23 23:01	1
Trichloroethene	6.3	Uvs	6.3	1.4	ug/Kg		09/05/23 17:19	09/05/23 23:01	1
Vinyl chloride	6.3	U vs	6.3	0.77	ug/Kg	₽	09/05/23 17:19	09/05/23 23:01	1
Xylenes, Total	13	U vs	13	1.1	ug/Kg	₽	09/05/23 17:19	09/05/23 23:01	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	<del>*</del>		N/A	09/05/23 17:19	09/05/23 23:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126				09/05/23 17:19	09/05/23 23:01	1
4 D (0	101		70 400				00/05/00 17 10	00/05/00 00 04	

Eurofins Buffalo

09/05/23 17:19 09/05/23 23:01

72 - 126

101

4-Bromofluorobenzene (Surr)

3

6

8

4.0

11

3

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-7 1-2.5

Lab Sample ID: 480-212326-6

Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 **Percent Solids: 77.5** 

Surrogate	%Recovery	Qualifier	Limi	ts	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		60 - 1	140	09/05/23 17:19	09/05/23 23:01	1
Toluene-d8 (Surr)	99		71 - 1	125	09/05/23 17:19	09/05/23 23:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	640	U	640	350	ug/Kg	<del>*</del>	09/05/23 08:47	09/06/23 16:36	5
2-Methylphenol	1100	U	1100	130	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
3-Methylphenol	2100	U	2100	170	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
4-Methylphenol	2100	U	2100	130	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
Acenaphthene	1100	U	1100	160	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
Acenaphthylene	1100	U	1100	140	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
Anthracene	1100	U	1100	270	ug/Kg	☆	09/05/23 08:47	09/06/23 16:36	5
Benzo[a]anthracene	140	J	1100	110	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
Benzo[a]pyrene	200	J	1100	160	ug/Kg	☼	09/05/23 08:47	09/06/23 16:36	5
Benzo[b]fluoranthene	300	J	1100	170	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
Benzo[g,h,i]perylene	230	J	1100	110	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
Benzo[k]fluoranthene	1100	U	1100	140	ug/Kg	☼	09/05/23 08:47	09/06/23 16:36	5
Chrysene	1100	U	1100	240	ug/Kg	₽	09/05/23 08:47	09/06/23 16:36	5
Dibenz(a,h)anthracene	1100	U	1100	190	ug/Kg	☼	09/05/23 08:47	09/06/23 16:36	5
Dibenzofuran	1100	U	1100	130	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
Fluoranthene	300	J	1100	110	ug/Kg	₽	09/05/23 08:47	09/06/23 16:36	5
Fluorene	1100	U	1100	130	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
Hexachlorobenzene	1100	U	1100	150	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
Indeno[1,2,3-cd]pyrene	190	J	1100	130	ug/Kg	☼	09/05/23 08:47	09/06/23 16:36	5
Naphthalene	1100	U	1100	140	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
Pentachlorophenol	2100	U	2100	1100	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
Phenanthrene	1100	U	1100	160	ug/Kg	☼	09/05/23 08:47	09/06/23 16:36	5
Phenol	1100	U	1100	170	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5
Pyrene	230	J	1100	130	ug/Kg	₩	09/05/23 08:47	09/06/23 16:36	5

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93	54 - 120	09/05/23 08:47	09/06/23 16:36	5
2-Fluorobiphenyl (Surr)	89	60 - 120	09/05/23 08:47	09/06/23 16:36	5
2-Fluorophenol (Surr)	81	52 - 120	09/05/23 08:47	09/06/23 16:36	5
Nitrobenzene-d5 (Surr)	81	53 - 120	09/05/23 08:47	09/06/23 16:36	5
Phenol-d5 (Surr)	87	54 - 120	09/05/23 08:47	09/06/23 16:36	5
p-Terphenyl-d14 (Surr)	101	79 - 130	09/05/23 08:47	09/06/23 16:36	5

#### Method: SW846 8081B - Organochlorine Pesticides (GC)

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD		U	11	2.1	ug/Kg	<del></del>	09/05/23 16:04	09/06/23 12:41	5
4,4'-DDE	11	U	11	2.2	ug/Kg	₽	09/05/23 16:04	09/06/23 12:41	5
4,4'-DDT	11	U	11	2.5	ug/Kg	₽	09/05/23 16:04	09/06/23 12:41	5
Aldrin	11	U	11	2.6	ug/Kg	₽	09/05/23 16:04	09/06/23 12:41	5
alpha-BHC	11	U	11	1.9	ug/Kg	₽	09/05/23 16:04	09/06/23 12:41	5
beta-BHC	11	U	11	1.9	ug/Kg	₽	09/05/23 16:04	09/06/23 12:41	5
cis-Chlordane	11	U	11	5.3	ug/Kg	₽	09/05/23 16:04	09/06/23 12:41	5
delta-BHC	11	U	11	2.0	ug/Kg	₽	09/05/23 16:04	09/06/23 12:41	5
Dieldrin	11	U	11	2.6	ug/Kg	☼	09/05/23 16:04	09/06/23 12:41	5
Endosulfan I	11	U	11	2.0	ug/Kg	₩	09/05/23 16:04	09/06/23 12:41	5

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Job ID: 480-212326-1

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-7 1-2.5

Lab Sample ID: 480-212326-6 Date Collected: 08/31/23 00:00

**Matrix: Solid** Date Received: 08/31/23 15:15 **Percent Solids: 77.5** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II		U	11	1.9	ug/Kg	<del>-</del>	09/05/23 16:04	09/06/23 12:41	5
Endosulfan sulfate	11	U	11	2.0	ug/Kg	₽	09/05/23 16:04	09/06/23 12:41	5
Endrin	11	U	11	2.1	ug/Kg	₽	09/05/23 16:04	09/06/23 12:41	5
gamma-BHC (Lindane)	11	U	11	2.0	ug/Kg	₩	09/05/23 16:04	09/06/23 12:41	5
Heptachlor	11	U	11	2.3	ug/Kg	₩	09/05/23 16:04	09/06/23 12:41	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	106		45 - 120				09/05/23 16:04	09/06/23 12:41	5
DCB Decachlorobiphenyl	164	S1+	45 - 120				09/05/23 16:04	09/06/23 12:41	5
Tetrachloro-m-xylene	60		30 - 124				09/05/23 16:04	09/06/23 12:41	5
Tetrachloro-m-xylene	83		30 - 124				09/05/23 16:04	09/06/23 12:41	5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.1		2.6	0.52	mg/Kg	☆	09/01/23 14:36	09/06/23 15:07	1
Barium	295		0.65	0.14	mg/Kg	☼	09/01/23 14:36	09/06/23 15:07	1
Beryllium	0.59		0.26	0.037	mg/Kg	☼	09/01/23 14:36	09/06/23 15:07	1
Cadmium	0.11	J	0.26	0.039	mg/Kg	₩	09/01/23 14:36	09/06/23 15:07	1
Chromium	17.6		0.65	0.26	mg/Kg	☼	09/01/23 14:36	09/06/23 15:07	1
Copper	26.4		1.3	0.27	mg/Kg	☼	09/01/23 14:36	09/06/23 15:07	1
Lead	11.6		1.3	0.31	mg/Kg	☼	09/01/23 14:36	09/06/23 15:07	1
Manganese	195	В	0.26	0.042	mg/Kg	☼	09/01/23 14:36	09/06/23 15:07	1
Nickel	23.9		6.5	0.30	mg/Kg	☼	09/01/23 14:36	09/06/23 15:07	1
Selenium	5.2	U	5.2	0.52	mg/Kg	₩	09/01/23 14:36	09/06/23 15:07	1
Silver	0.78	U	0.78	0.26	mg/Kg	₩	09/01/23 14:36	09/06/23 15:07	1
Zinc	65.0		2.6	0.84	mg/Kg	₩	09/01/23 14:36	09/06/23 15:07	1

Method: SW846 /4/1B - Mercu	iry (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.026	0.0060	mg/Kg	<del>*</del>	09/12/23 10:54	09/12/23 13:16	1

Lab Sample ID: 480-212326-7 Client Sample ID: BH-8 1-2 Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 82.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.9	U vs	5.9	0.43	ug/Kg	<u></u>	09/05/23 17:19	09/05/23 23:25	1
1,1-Dichloroethane	5.9	U vs	5.9	0.72	ug/Kg	₩	09/05/23 17:19	09/05/23 23:25	1
1,1-Dichloroethene	5.9	U vs	5.9	0.72	ug/Kg	₩	09/05/23 17:19	09/05/23 23:25	1
1,2,4-Trimethylbenzene	5.9	U vs	5.9	1.1	ug/Kg	₩	09/05/23 17:19	09/05/23 23:25	1
1,2-Dichlorobenzene	5.9	U vs	5.9	0.46	ug/Kg	₩	09/05/23 17:19	09/05/23 23:25	1
1,2-Dichloroethane	5.9	U vs	5.9	0.29	ug/Kg	₩	09/05/23 17:19	09/05/23 23:25	1
1,3,5-Trimethylbenzene	5.9	U vs	5.9	0.38	ug/Kg	₩	09/05/23 17:19	09/05/23 23:25	1
1,3-Dichlorobenzene	5.9	U vs	5.9	0.30	ug/Kg	₩	09/05/23 17:19	09/05/23 23:25	1
1,4-Dichlorobenzene	5.9	U vs	5.9	0.82	ug/Kg	₩	09/05/23 17:19	09/05/23 23:25	1
1,4-Dioxane	120	U vs	120	26	ug/Kg	₩	09/05/23 17:19	09/05/23 23:25	1
2-Butanone (MEK)	29	U vs	29	2.1	ug/Kg	₩	09/05/23 17:19	09/05/23 23:25	1
Acetone	6.4	J vs	29	4.9	ug/Kg	₩	09/05/23 17:19	09/05/23 23:25	1
Benzene	5.9	U vs	5.9	0.29	ug/Kg	₩	09/05/23 17:19	09/05/23 23:25	1
Carbon tetrachloride	5.9	U vs	5.9	0.57	ug/Kg	₩	09/05/23 17:19	09/05/23 23:25	1

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Job ID: 480-212326-1

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-8 1-2 Lab Sample ID: 480-212326-7

Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 82.6

Analyte	Result	Qualifier	RL	ľ	/IDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	5.9	U vs	5.9		0.77	ug/Kg		09/05/23 17:19	09/05/23 23:25	1
Chloroform	5.9	U vs	5.9		0.36	ug/Kg	₽	09/05/23 17:19	09/05/23 23:25	1
cis-1,2-Dichloroethene	17	vs	5.9	(	0.75	ug/Kg	₽	09/05/23 17:19	09/05/23 23:25	1
Ethylbenzene	5.9	U vs	5.9	(	0.40	ug/Kg	₽	09/05/23 17:19	09/05/23 23:25	1
Methyl tert-butyl ether	5.9	U vs	5.9		0.58	ug/Kg	₽	09/05/23 17:19	09/05/23 23:25	1
Methylene Chloride	5.9	U vs	5.9		2.7	ug/Kg	₽	09/05/23 17:19	09/05/23 23:25	1
n-Butylbenzene	5.9	U vs	5.9	(	0.51	ug/Kg	₽	09/05/23 17:19	09/05/23 23:25	1
N-Propylbenzene	5.9	U vs	5.9		0.47	ug/Kg	₽	09/05/23 17:19	09/05/23 23:25	1
sec-Butylbenzene	5.9	U vs	5.9	(	0.51	ug/Kg	₽	09/05/23 17:19	09/05/23 23:25	1
tert-Butylbenzene	5.9	U vs	5.9	(	0.61	ug/Kg	₽	09/05/23 17:19	09/05/23 23:25	1
Tetrachloroethene	5.9	U vs	5.9	(	0.79	ug/Kg	₽	09/05/23 17:19	09/05/23 23:25	1
Toluene	5.9	U vs	5.9	(	0.44	ug/Kg	₽	09/05/23 17:19	09/05/23 23:25	1
trans-1,2-Dichloroethene	1.8	J vs	5.9		0.61	ug/Kg	≎	09/05/23 17:19	09/05/23 23:25	1
Trichloroethene	2.0	J vs	5.9		1.3	ug/Kg	₽	09/05/23 17:19	09/05/23 23:25	1
Vinyl chloride	5.9	U vs	5.9	(	0.72	ug/Kg	₽	09/05/23 17:19	09/05/23 23:25	1
Xylenes, Total	12	U vs	12	(	0.99	ug/Kg	☼	09/05/23 17:19	09/05/23 23:25	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	<u></u>			N/A	09/05/23 17:19	09/05/23 23:25	1
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126					09/05/23 17:19	09/05/23 23:25	1
4-Bromofluorobenzene (Surr)	97		72 - 126					09/05/23 17:19	09/05/23 23:25	1
Dibromofluoromethane (Surr)	109		60 - 140					09/05/23 17:19	09/05/23 23:25	1
Toluene-d8 (Surr)	101		71 - 125					09/05/23 17:19	09/05/23 23:25	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	600	U	600	330	ug/Kg	<u></u>	09/05/23 08:47	09/06/23 17:00	5
2-Methylphenol	1000	U	1000	120	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
3-Methylphenol	2000	U	2000	160	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
4-Methylphenol	2000	U	2000	120	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Acenaphthene	1000	U	1000	150	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Acenaphthylene	1000	U	1000	130	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Anthracene	1000	U	1000	250	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Benzo[a]anthracene	290	J	1000	100	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Benzo[a]pyrene	340	J	1000	150	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Benzo[b]fluoranthene	450	J	1000	160	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Benzo[g,h,i]perylene	240	J	1000	110	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Benzo[k]fluoranthene	190	J	1000	130	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Chrysene	430	J	1000	230	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Dibenz(a,h)anthracene	1000	U	1000	180	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Dibenzofuran	1000	U	1000	120	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Fluoranthene	960	J	1000	110	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Fluorene	1000	U	1000	120	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Hexachlorobenzene	1000	U	1000	140	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Indeno[1,2,3-cd]pyrene	230	J	1000	130	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Naphthalene	1000	U	1000	130	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Pentachlorophenol	2000	U	2000	1000	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Phenanthrene	770	J	1000	150	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5

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Job ID: 480-212326-1

**Eurofins Buffalo** 

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Phenol-d5 (Surr)

p-Terphenyl-d14 (Surr)

Client Sample ID: BH-8 1-2

96

107

Lab Sample ID: 480-212326-7 Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 82.6

Method: SW846 8270D - S	emivolatile Org	anic Com	pounds (GC/I	VIS) (Co	ntinued)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	1000	U	1000	160	ug/Kg	<u></u>	09/05/23 08:47	09/06/23 17:00	5
Pyrene	760	J	1000	120	ug/Kg	₩	09/05/23 08:47	09/06/23 17:00	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		54 - 120				09/05/23 08:47	09/06/23 17:00	5
2-Fluorobiphenyl (Surr)	100		60 - 120				09/05/23 08:47	09/06/23 17:00	5
2-Fluorophenol (Surr)	95		52 - 120				09/05/23 08:47	09/06/23 17:00	5
Nitrobenzene-d5 (Surr)	96		53 - 120				09/05/23 08:47	09/06/23 17:00	5

54 - 120

79 - 130

Method: SW846 8081B - O	rganochlorine	Pesticides (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.8	J	2.0	0.39	ug/Kg	— <u>—</u>	09/05/23 16:04	09/06/23 13:00	1
4,4'-DDE	2.0	U	2.0	0.42	ug/Kg	₩	09/05/23 16:04	09/06/23 13:00	1
4,4'-DDT	1.5	J	2.0	0.47	ug/Kg	☼	09/05/23 16:04	09/06/23 13:00	1
Aldrin	2.0	U	2.0	0.49	ug/Kg	₩	09/05/23 16:04	09/06/23 13:00	1
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	☼	09/05/23 16:04	09/06/23 13:00	1
beta-BHC	2.0	U	2.0	0.36	ug/Kg	☼	09/05/23 16:04	09/06/23 13:00	1
cis-Chlordane	2.6		2.0	0.99	ug/Kg	₽	09/05/23 16:04	09/06/23 13:00	1
delta-BHC	2.0	U	2.0	0.37	ug/Kg	☼	09/05/23 16:04	09/06/23 13:00	1
Dieldrin	2.0	U	2.0	0.48	ug/Kg	₩	09/05/23 16:04	09/06/23 13:00	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	₽	09/05/23 16:04	09/06/23 13:00	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	☼	09/05/23 16:04	09/06/23 13:00	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	₩	09/05/23 16:04	09/06/23 13:00	1
Endrin	2.0	U	2.0	0.39	ug/Kg	₩	09/05/23 16:04	09/06/23 13:00	1
gamma-BHC (Lindane)	2.0	U	2.0	0.37	ug/Kg	₩	09/05/23 16:04	09/06/23 13:00	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	₩	09/05/23 16:04	09/06/23 13:00	1

١	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	DCB Decachlorobiphenyl	100		45 - 120	09/05/23 16:04	09/06/23 13:00	1
	DCB Decachlorobiphenyl	123	S1+	45 - 120	09/05/23 16:04	09/06/23 13:00	1
	Tetrachloro-m-xylene	64		30 - 124	09/05/23 16:04	09/06/23 13:00	1
l	Tetrachloro-m-xylene	69		30 - 124	09/05/23 16:04	09/06/23 13:00	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.6		2.3	0.46	mg/Kg	<u></u>	09/01/23 14:36	09/06/23 15:11	1
Barium	80.7		0.58	0.13	mg/Kg	☼	09/01/23 14:36	09/06/23 15:11	1
Beryllium	0.40		0.23	0.032	mg/Kg	☼	09/01/23 14:36	09/06/23 15:11	1
Cadmium	0.22	J	0.23	0.035	mg/Kg	☼	09/01/23 14:36	09/06/23 15:11	1
Chromium	11.1		0.58	0.23	mg/Kg	☼	09/01/23 14:36	09/06/23 15:11	1
Copper	20.3		1.2	0.24	mg/Kg	☼	09/01/23 14:36	09/06/23 15:11	1
Lead	54.9		1.2	0.28	mg/Kg	☼	09/01/23 14:36	09/06/23 15:11	1
Manganese	251	В	0.23	0.037	mg/Kg	☼	09/01/23 14:36	09/06/23 15:11	1
Nickel	16.5		5.8	0.27	mg/Kg	₩	09/01/23 14:36	09/06/23 15:11	1
Selenium	4.6	U	4.6	0.46	mg/Kg	⊅	09/01/23 14:36	09/06/23 15:11	1
Silver	0.70	U	0.70	0.23	mg/Kg	☆	09/01/23 14:36	09/06/23 15:11	1
Zinc	109		2.3	0.74	mg/Kg	₩	09/01/23 14:36	09/06/23 15:11	1

**Eurofins Buffalo** 

Job ID: 480-212326-1

09/05/23 08:47 09/06/23 17:00

09/05/23 08:47 09/06/23 17:00

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Lab Sample ID: 480-212326-7 Client Sample ID: BH-8 1-2

Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 82.6

Method: SW846 7471B - Mercu	ıry (CVAA)								
Analyte	Result (	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23		0.025	0.0058	mg/Kg	<u></u>	09/12/23 10:54	09/12/23 13:17	1

Lab Sample ID: 480-212326-8 Client Sample ID: BH-9 1-2 Date Collected: 08/31/23 00:00 **Matrix: Solid** Percent Solids: 81.4 Date Received: 08/31/23 15:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.0	U vs	6.0	0.43	ug/Kg		09/05/23 17:19	09/05/23 23:49	1
1,1-Dichloroethane	6.0	U vs	6.0	0.73	ug/Kg	₽	09/05/23 17:19	09/05/23 23:49	1
1,1-Dichloroethene	6.0	U vs	6.0	0.73	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
1,2,4-Trimethylbenzene	6.0	U vs	6.0	1.1	ug/Kg	₽	09/05/23 17:19	09/05/23 23:49	1
1,2-Dichlorobenzene	6.0	U vs	6.0	0.47	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
1,2-Dichloroethane	6.0	U vs	6.0	0.30	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
1,3,5-Trimethylbenzene	6.0	U vs	6.0	0.38	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
1,3-Dichlorobenzene	6.0	U vs	6.0	0.31	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
1,4-Dichlorobenzene	6.0	U vs	6.0	0.83	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
1,4-Dioxane	120	Uvs	120	26	ug/Kg		09/05/23 17:19	09/05/23 23:49	1
2-Butanone (MEK)	30	U vs	30	2.2	ug/Kg	≎	09/05/23 17:19	09/05/23 23:49	1
Acetone	13	J vs	30	5.0	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
Benzene	6.0	Uvs	6.0	0.29	ug/Kg		09/05/23 17:19	09/05/23 23:49	1
Carbon tetrachloride	6.0	U vs	6.0	0.58	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
Chlorobenzene	6.0	U vs	6.0	0.79	ug/Kg	≎	09/05/23 17:19	09/05/23 23:49	1
Chloroform	6.0	Uvs	6.0	0.37	ug/Kg		09/05/23 17:19	09/05/23 23:49	1
cis-1,2-Dichloroethene	6.0	U vs	6.0	0.76	ug/Kg	≎	09/05/23 17:19	09/05/23 23:49	1
Ethylbenzene	6.0	U vs	6.0	0.41	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
Methyl tert-butyl ether	6.0	Uvs	6.0	0.59	ug/Kg		09/05/23 17:19	09/05/23 23:49	1
Methylene Chloride	6.0	U vs	6.0	2.7	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
n-Butylbenzene	6.0	U vs	6.0	0.52	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
N-Propylbenzene	6.0	Uvs	6.0	0.48	ug/Kg		09/05/23 17:19	09/05/23 23:49	1
sec-Butylbenzene	6.0	U vs	6.0	0.52	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
tert-Butylbenzene	6.0	U vs	6.0	0.62	ug/Kg	₽	09/05/23 17:19	09/05/23 23:49	1
Tetrachloroethene	6.0	Uvs	6.0	0.80	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
Toluene	6.0	U vs	6.0	0.45	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
trans-1,2-Dichloroethene	6.0	U vs	6.0	0.62	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
Trichloroethene	6.0	Uvs	6.0	1.3	ug/Kg		09/05/23 17:19	09/05/23 23:49	1
Vinyl chloride	6.0	U vs	6.0	0.73	ug/Kg	≎	09/05/23 17:19	09/05/23 23:49	1
Xylenes, Total	12	U vs	12	1.0	ug/Kg	₩	09/05/23 17:19	09/05/23 23:49	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	₩		N/A	09/05/23 17:19	09/05/23 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126				09/05/23 17:19	09/05/23 23:49	1
4-Bromofluorobenzene (Surr)	98		72 - 126				09/05/23 17:19	09/05/23 23:49	1
Dibromofluoromethane (Surr)	106		60 - 140				09/05/23 17:19	09/05/23 23:49	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107	64 - 126	09/05/23 17:19	09/05/23 23:49	1
4-Bromofluorobenzene (Surr)	98	72 - 126	09/05/23 17:19	09/05/23 23:49	1
Dibromofluoromethane (Surr)	106	60 - 140	09/05/23 17:19	09/05/23 23:49	1
Toluene-d8 (Surr)	101	71 - 125	09/05/23 17:19	09/05/23 23:49	1

Method: SW846 8270D - Semiv	olatile Orga	anic Com	oounds (GC	C/MS)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1.4-Dioxane	120	U	120	67	ua/Ka		09/05/23 08:47	09/06/23 17:24	1

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Job ID: 480-212326-1

9/13/2023

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-9 1-2

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

2-Fluorophenol (Surr)

Nitrobenzene-d5 (Surr)

p-Terphenyl-d14 (Surr)

Phenol-d5 (Surr)

Lab Sample ID: 480-212326-8

09/05/23 08:47 09/06/23 17:24

09/05/23 08:47 09/06/23 17:24 09/05/23 08:47 09/06/23 17:24

09/05/23 08:47 09/06/23 17:24

Matrix: Solid

Percent Solids: 81.4

Job ID: 480-212326-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	210	U	210	24	ug/Kg	<u></u>	09/05/23 08:47	09/06/23 17:24	1
3-Methylphenol	400	U	400	32	ug/Kg	☼	09/05/23 08:47	09/06/23 17:24	1
4-Methylphenol	400	U	400	24	ug/Kg	₩	09/05/23 08:47	09/06/23 17:24	1
Acenaphthene	210	U	210	30	ug/Kg	☼	09/05/23 08:47	09/06/23 17:24	1
Acenaphthylene	210	U	210	27	ug/Kg	☼	09/05/23 08:47	09/06/23 17:24	1
Anthracene	210	U	210	51	ug/Kg	₩	09/05/23 08:47	09/06/23 17:24	1
Benzo[a]anthracene	210	U	210	21	ug/Kg	☼	09/05/23 08:47	09/06/23 17:24	1
Benzo[a]pyrene	210	U	210	30	ug/Kg	₩	09/05/23 08:47	09/06/23 17:24	1
Benzo[b]fluoranthene	34	J	210	33	ug/Kg	₩	09/05/23 08:47	09/06/23 17:24	1
Benzo[g,h,i]perylene	24	J	210	22	ug/Kg	☼	09/05/23 08:47	09/06/23 17:24	1
Benzo[k]fluoranthene	210	U	210	27	ug/Kg	☼	09/05/23 08:47	09/06/23 17:24	1
Chrysene	210	U	210	46	ug/Kg	₩	09/05/23 08:47	09/06/23 17:24	1
Dibenz(a,h)anthracene	210	U	210	36	ug/Kg	☼	09/05/23 08:47	09/06/23 17:24	1
Dibenzofuran	210	U	210	24	ug/Kg	☼	09/05/23 08:47	09/06/23 17:24	1
Fluoranthene	48	J	210	22	ug/Kg	☼	09/05/23 08:47	09/06/23 17:24	1
Fluorene	210	U	210	24	ug/Kg	₩	09/05/23 08:47	09/06/23 17:24	1
Hexachlorobenzene	210	U	210	28	ug/Kg	₩	09/05/23 08:47	09/06/23 17:24	1
Indeno[1,2,3-cd]pyrene	210	U	210	26	ug/Kg	☼	09/05/23 08:47	09/06/23 17:24	1
Naphthalene	210	U	210	27	ug/Kg	₩	09/05/23 08:47	09/06/23 17:24	1
Pentachlorophenol	400	U	400	210	ug/Kg	☼	09/05/23 08:47	09/06/23 17:24	1
Phenanthrene	210	U	210	30	ug/Kg	⊅	09/05/23 08:47	09/06/23 17:24	1
Phenol	210	U	210	32	ug/Kg	₩	09/05/23 08:47	09/06/23 17:24	1
Pyrene	38	J	210	24	ug/Kg	≎	09/05/23 08:47	09/06/23 17:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		54 - 120				09/05/23 08:47	09/06/23 17:24	1
2-Fluorobiphenyl (Surr)	98		60 - 120				09/05/23 08:47	09/06/23 17:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.39	ug/Kg	☼	09/05/23 16:04	09/06/23 13:20	1
4,4'-DDE	2.0	U	2.0	0.42	ug/Kg	₩	09/05/23 16:04	09/06/23 13:20	1
4,4'-DDT	2.0	U	2.0	0.47	ug/Kg	₩	09/05/23 16:04	09/06/23 13:20	1
Aldrin	2.0	U	2.0	0.50	ug/Kg	₩	09/05/23 16:04	09/06/23 13:20	1
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	₩	09/05/23 16:04	09/06/23 13:20	1
beta-BHC	2.0	U	2.0	0.36	ug/Kg	₩	09/05/23 16:04	09/06/23 13:20	1
cis-Chlordane	2.0	U	2.0	1.0	ug/Kg	₩	09/05/23 16:04	09/06/23 13:20	1
delta-BHC	2.0	U	2.0	0.38	ug/Kg	₩	09/05/23 16:04	09/06/23 13:20	1
Dieldrin	2.0	U	2.0	0.49	ug/Kg	₩	09/05/23 16:04	09/06/23 13:20	1
Endosulfan I	2.0	U	2.0	0.39	ug/Kg	₩	09/05/23 16:04	09/06/23 13:20	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	₩	09/05/23 16:04	09/06/23 13:20	1
Endosulfan sulfate	2.0	U	2.0	0.38	ug/Kg	₩	09/05/23 16:04	09/06/23 13:20	1
Endrin	2.0	U	2.0	0.40	ug/Kg	₩	09/05/23 16:04	09/06/23 13:20	1
gamma-BHC (Lindane)	2.0	U	2.0	0.37	ug/Kg	₩	09/05/23 16:04	09/06/23 13:20	1
Heptachlor	2.0	U	2.0	0.44	ug/Kg	☆	09/05/23 16:04	09/06/23 13:20	1

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Lab Sample ID: 480-212326-8 Client Sample ID: BH-9 1-2

Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 81.4

Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91	45 - 120		09/05/23 16:04	09/06/23 13:20	1
DCB Decachlorobiphenyl	91	45 - 120		09/05/23 16:04	09/06/23 13:20	1
Tetrachloro-m-xylene	75	30 - 124		09/05/23 16:04	09/06/23 13:20	1
Tetrachloro-m-xylene	77	30 - 124		09/05/23 16:04	09/06/23 13:20	1
Method: SW846 6010C - I	Metals (ICP)					
Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
Arsenic	10.0		0.48 mg/Kg	<u> </u>	09/06/23 15:15	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.0		2.4	0.48	mg/Kg	<u></u>	09/01/23 14:36	09/06/23 15:15	1
Barium	255		0.60	0.13	mg/Kg	☼	09/01/23 14:36	09/06/23 15:15	1
Beryllium	1.0		0.24	0.034	mg/Kg	☼	09/01/23 14:36	09/06/23 15:15	1
Cadmium	0.46		0.24	0.036	mg/Kg	₩	09/01/23 14:36	09/06/23 15:15	1
Chromium	32.3		0.60	0.24	mg/Kg	₩	09/01/23 14:36	09/06/23 15:15	1
Copper	37.2		1.2	0.25	mg/Kg	☼	09/01/23 14:36	09/06/23 15:15	1
Lead	189		1.2	0.29	mg/Kg	₩	09/01/23 14:36	09/06/23 15:15	1
Manganese	310	В	0.24	0.039	mg/Kg	☼	09/01/23 14:36	09/06/23 15:15	1
Nickel	40.1		6.0	0.28	mg/Kg	☼	09/01/23 14:36	09/06/23 15:15	1
Selenium	4.8	U	4.8	0.48	mg/Kg	₩	09/01/23 14:36	09/06/23 15:15	1
Silver	0.72	U	0.72	0.24	mg/Kg	☼	09/01/23 14:36	09/06/23 15:15	1
Zinc	122		2.4	0.77	mg/Kg	₩	09/01/23 14:36	09/06/23 15:15	1

Method: SW846 /4/1B - Merci	ury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.026	0.0059	mg/Kg	<del></del>	09/12/23 10:54	09/12/23 13:18	1

Client Sample ID: BH-10 1-2 Lab Sample ID: 480-212326-9 Date Collected: 08/31/23 00:00 Matrix: Solid Date Received: 08/31/23 15:15 Percent Solids: 83.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.8	U vs	5.8	0.42	ug/Kg	<del>*</del>	09/05/23 17:19	09/06/23 00:14	1
1,1-Dichloroethane	5.8	U vs	5.8	0.71	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
1,1-Dichloroethene	5.8	U vs	5.8	0.71	ug/Kg	☼	09/05/23 17:19	09/06/23 00:14	1
1,2,4-Trimethylbenzene	5.8	U vs	5.8	1.1	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
1,2-Dichlorobenzene	5.8	U vs	5.8	0.45	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
1,2-Dichloroethane	5.8	U vs	5.8	0.29	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
1,3,5-Trimethylbenzene	5.8	U vs	5.8	0.37	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
1,3-Dichlorobenzene	5.8	U vs	5.8	0.30	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
1,4-Dichlorobenzene	5.8	U vs	5.8	0.81	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
1,4-Dioxane	120	U vs	120	25	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
2-Butanone (MEK)	5.3	J vs	29	2.1	ug/Kg	☼	09/05/23 17:19	09/06/23 00:14	1
Acetone	41	vs	29	4.9	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
Benzene	5.8	U vs	5.8	0.28	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
Carbon tetrachloride	5.8	U vs	5.8	0.56	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
Chlorobenzene	5.8	U vs	5.8	0.77	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
Chloroform	5.8	U vs	5.8	0.36	ug/Kg	≎	09/05/23 17:19	09/06/23 00:14	1
cis-1,2-Dichloroethene	5.8	U vs	5.8	0.74	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
Ethylbenzene	5.8	U vs	5.8	0.40	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
Methyl tert-butyl ether	5.8	U vs	5.8	0.57	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
Methylene Chloride	5.8	U vs	5.8	2.7	ug/Kg	≎	09/05/23 17:19	09/06/23 00:14	1
n-Butylbenzene	5.8	U vs	5.8	0.51	ug/Kg	₩	09/05/23 17:19	09/06/23 00:14	1

**Eurofins Buffalo** 

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-10 1-2

Lab Sample ID: 480-212326-9 Date Collected: 08/31/23 00:00 **Matrix: Solid** 

Date Received: 08/31/23 15:15 Percent Solids: 83.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
N-Propylbenzene	5.8	U vs	5.8	0.46	ug/Kg	<del>*</del>	09/05/23 17:19	09/06/23 00:14	
sec-Butylbenzene	5.8	U vs	5.8	0.51	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
tert-Butylbenzene	5.8	U vs	5.8	0.60	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
Tetrachloroethene	5.8	U vs	5.8	0.78	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
Toluene	5.8	U vs	5.8	0.44	ug/Kg	₽	09/05/23 17:19	09/06/23 00:14	1
trans-1,2-Dichloroethene	5.8	U vs	5.8	0.60	ug/Kg	₩	09/05/23 17:19	09/06/23 00:14	1
Trichloroethene	5.8	Uvs	5.8	1.3	ug/Kg		09/05/23 17:19	09/06/23 00:14	1
Vinyl chloride	5.8	U vs	5.8	0.71	ug/Kg	₩	09/05/23 17:19	09/06/23 00:14	1
Xylenes, Total	12	U vs	12	0.98	ug/Kg	₩	09/05/23 17:19	09/06/23 00:14	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	<del>*</del>		N/A	09/05/23 17:19	09/06/23 00:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		64 - 126				09/05/23 17:19	09/06/23 00:14	1
4-Bromofluorobenzene (Surr)	98		72 - 126				09/05/23 17:19	09/06/23 00:14	1
Dibromofluoromethane (Surr)	107		60 - 140				09/05/23 17:19	09/06/23 00:14	1
Toluene-d8 (Surr)	99		71 - 125				09/05/23 17:19	09/06/23 00:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	120	U	120	65	ug/Kg	<del>-</del>	09/05/23 08:47	09/06/23 17:47	1
2-Methylphenol	200	U	200	24	ug/Kg	₩	09/05/23 08:47	09/06/23 17:47	1
3-Methylphenol	390	U	390	31	ug/Kg	₩	09/05/23 08:47	09/06/23 17:47	1
4-Methylphenol	390	U	390	24	ug/Kg	₽	09/05/23 08:47	09/06/23 17:47	1
Acenaphthene	200	U	200	30	ug/Kg	₩	09/05/23 08:47	09/06/23 17:47	1
Acenaphthylene	200	U	200	26	ug/Kg	₩	09/05/23 08:47	09/06/23 17:47	1
Anthracene	200	U	200	50	ug/Kg	⊅	09/05/23 08:47	09/06/23 17:47	1
Benzo[a]anthracene	94	J	200	20	ug/Kg	☼	09/05/23 08:47	09/06/23 17:47	1
Benzo[a]pyrene	110	J	200	30	ug/Kg	₩	09/05/23 08:47	09/06/23 17:47	1
Benzo[b]fluoranthene	130	J	200	32	ug/Kg	⊅	09/05/23 08:47	09/06/23 17:47	1
Benzo[g,h,i]perylene	83	J	200	21	ug/Kg	₩	09/05/23 08:47	09/06/23 17:47	1
Benzo[k]fluoranthene	64	J	200	26	ug/Kg	₩	09/05/23 08:47	09/06/23 17:47	1
Chrysene	130	J	200	45	ug/Kg	₩	09/05/23 08:47	09/06/23 17:47	1
Dibenz(a,h)anthracene	200	U	200	36	ug/Kg	☼	09/05/23 08:47	09/06/23 17:47	1
Dibenzofuran	200	U	200	24	ug/Kg	₩	09/05/23 08:47	09/06/23 17:47	1
Fluoranthene	190	J	200	21	ug/Kg	₽	09/05/23 08:47	09/06/23 17:47	1
Fluorene	200	U	200	24	ug/Kg	☼	09/05/23 08:47	09/06/23 17:47	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	09/05/23 08:47	09/06/23 17:47	1
Indeno[1,2,3-cd]pyrene	70	J	200	25	ug/Kg	₽	09/05/23 08:47	09/06/23 17:47	1
Naphthalene	200	U	200	26	ug/Kg	₩	09/05/23 08:47	09/06/23 17:47	1
Pentachlorophenol	390	U	390	200	ug/Kg	₩	09/05/23 08:47	09/06/23 17:47	1
Phenanthrene	110	J	200	30	ug/Kg	₩	09/05/23 08:47	09/06/23 17:47	1
Phenol	200	U	200	31	ug/Kg	☼	09/05/23 08:47	09/06/23 17:47	1
Pyrene	160	J	200	24	ug/Kg	☼	09/05/23 08:47	09/06/23 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		54 - 120	09/05/23 08:47	09/06/23 17:47	1
2-Fluorobiphenyl (Surr)	65		60 - 120	09/05/23 08:47	09/06/23 17:47	1
2-Fluorophenol (Surr)	53		52 - 120	09/05/23 08:47	09/06/23 17:47	1

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-10 1-2

Lab Sample ID: 480-212326-9

Matrix: Solid

Percent Solids: 83.8

Job ID: 480-212326-1

Date Collected: 08/31/23 00:00	
Date Received: 08/31/23 15:15	

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery Qualif	ier Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	55	53 - 120	09/05/23 08:47 09	9/06/23 17:47	1
Phenol-d5 (Surr)	60	54 - 120	09/05/23 08:47 09	9/06/23 17:47	1
p-Terphenyl-d14 (Surr)	83	79 - 130	09/05/23 08:47 09	9/06/23 17:47	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	3.5	J	9.7	1.9	ug/Kg	<u></u>	09/05/23 16:04	09/06/23 13:40	5
4,4'-DDE	2.1	J	9.7	2.0	ug/Kg	☼	09/05/23 16:04	09/06/23 13:40	5
4,4'-DDT	9.7	U	9.7	2.3	ug/Kg	☼	09/05/23 16:04	09/06/23 13:40	5
Aldrin	9.7	U	9.7	2.4	ug/Kg	₩	09/05/23 16:04	09/06/23 13:40	5
alpha-BHC	9.7	U	9.7	1.7	ug/Kg	₩	09/05/23 16:04	09/06/23 13:40	5
beta-BHC	9.7	U	9.7	1.7	ug/Kg	☼	09/05/23 16:04	09/06/23 13:40	5
cis-Chlordane	9.7	U	9.7	4.8	ug/Kg	₽	09/05/23 16:04	09/06/23 13:40	5
delta-BHC	9.7	U	9.7	1.8	ug/Kg	☼	09/05/23 16:04	09/06/23 13:40	5
Dieldrin	9.7	U	9.7	2.3	ug/Kg	☼	09/05/23 16:04	09/06/23 13:40	5
Endosulfan I	9.7	U	9.7	1.9	ug/Kg	₩	09/05/23 16:04	09/06/23 13:40	5
Endosulfan II	9.7	U	9.7	1.7	ug/Kg	₩	09/05/23 16:04	09/06/23 13:40	5
Endosulfan sulfate	9.7	U	9.7	1.8	ug/Kg	☼	09/05/23 16:04	09/06/23 13:40	5
Endrin	9.7	U	9.7	1.9	ug/Kg	₩	09/05/23 16:04	09/06/23 13:40	5
gamma-BHC (Lindane)	9.7	U	9.7	1.8	ug/Kg	₩	09/05/23 16:04	09/06/23 13:40	5
Heptachlor	9.7	U	9.7	2.1	ug/Kg	₩	09/05/23 16:04	09/06/23 13:40	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	123	S1+	45 - 120	09/05/23 16:04	09/06/23 13:40	5
DCB Decachlorobiphenyl	145	S1+	45 - 120	09/05/23 16:04	09/06/23 13:40	5
Tetrachloro-m-xylene	66		30 - 124	09/05/23 16:04	09/06/23 13:40	5
Tetrachloro-m-xylene	88		30 - 124	09/05/23 16:04	09/06/23 13:40	5

Method: SW846 60100	• • •							
Analyte	Result Qu	alifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.7	2.5	0.49	mg/Kg	<del>-</del>	09/01/23 14:36	09/06/23 15:18	1
Barium	299	0.61	0.14	mg/Kg	₽	09/01/23 14:36	09/06/23 15:18	1
Beryllium	0.83	0.25	0.034	mg/Kg	₩	09/01/23 14:36	09/06/23 15:18	1
Cadmium	0.37	0.25	0.037	mg/Kg	₩	09/01/23 14:36	09/06/23 15:18	1
Chromium	30.2	0.61	0.25	mg/Kg	☼	09/01/23 14:36	09/06/23 15:18	1
Copper	84.8	1.2	0.26	mg/Kg	☼	09/01/23 14:36	09/06/23 15:18	1
Load	240	1.2	0.30	ma/Ka	ж.	00/01/23 14:36	00/06/23 15:18	1

Chromium	30.2	0.01	20 mg/rtg	74	03/01/23 14.00	09/00/23 13.10
Copper	84.8	1.2 0.2	26 mg/Kg	☼	09/01/23 14:36	09/06/23 15:18
Lead	240	1.2 0.3	30 mg/Kg	₩	09/01/23 14:36	09/06/23 15:18
Manganese	148 B	0.25 0.03	39 mg/Kg	₩	09/01/23 14:36	09/06/23 15:18
Nickel	26.0	6.1 0.2	28 mg/Kg	☼	09/01/23 14:36	09/06/23 15:18
Selenium	1.5 J	4.9 0.4	49 mg/Kg	⊅	09/01/23 14:36	09/06/23 15:18
Silver	0.74 U	0.74 0.2	25 mg/Kg	☼	09/01/23 14:36	09/06/23 15:18
Zinc	138	2.5 0.7	79 mg/Kg	☼	09/01/23 14:36	09/06/23 15:18
	Copper Lead Manganese Nickel Selenium Silver	Copper       84.8         Lead       240         Manganese       148 B         Nickel       26.0         Selenium       1.5 J         Silver       0.74 U	Copper         84.8         1.2         0.2           Lead         240         1.2         0.2           Manganese         148         B         0.25         0.0           Nickel         26.0         6.1         0.           Selenium         1.5         J         4.9         0.           Silver         0.74         U         0.74         0.	Copper         84.8         1.2         0.26 mg/Kg           Lead         240         1.2         0.30 mg/Kg           Manganese         148 B         0.25 0.039 mg/Kg           Nickel         26.0         6.1 0.28 mg/Kg           Selenium         1.5 J         4.9 0.49 mg/Kg           Silver         0.74 U         0.74 0.25 mg/Kg	Copper         84.8         1.2         0.26 mg/Kg         ☆           Lead         240         1.2         0.30 mg/Kg         ☆           Manganese         148 B         0.25         0.039 mg/Kg         ☆           Nickel         26.0         6.1         0.28 mg/Kg         ☆           Selenium         1.5 J         4.9         0.49 mg/Kg         ☆           Silver         0.74 U         0.74         0.25 mg/Kg         ☆	Copper         84.8         1.2         0.26 mg/Kg         ©9/01/23 14:36           Lead         240         1.2         0.30 mg/Kg         ©9/01/23 14:36           Manganese         148 B         0.25 0.039 mg/Kg         ©9/01/23 14:36           Nickel         26.0         6.1 0.28 mg/Kg         ©9/01/23 14:36           Selenium         1.5 J         4.9 0.49 mg/Kg         ©9/01/23 14:36           Silver         0.74 U         0.74 0.25 mg/Kg         ©9/01/23 14:36

Method: SW846 7471B - Mercu	ıry (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24		0.023	0.0054	mg/Kg	₽	09/12/23 10:54	09/12/23 13:20	1

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-11 1-2

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Lab Sample ID: 480-212326-10

Matrix: Solid

Percent Solids: 87.0

Job ID: 480-212326-1

Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.6	U vs	5.6	0.41	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
1,1-Dichloroethane	5.6	U vs	5.6	0.69	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
1,1-Dichloroethene	5.6	U vs	5.6	0.69	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
1,2,4-Trimethylbenzene	5.6	U vs	5.6	1.1	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
1,2-Dichlorobenzene	5.6	U vs	5.6	0.44	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
1,2-Dichloroethane	5.6	U vs	5.6	0.28	ug/Kg	₽	09/05/23 17:19	09/06/23 00:38	1
1,3,5-Trimethylbenzene	5.6	U vs	5.6	0.36	ug/Kg	₽	09/05/23 17:19	09/06/23 00:38	1
1,3-Dichlorobenzene	5.6	U vs	5.6	0.29	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
1,4-Dichlorobenzene	5.6	U vs	5.6	0.79	ug/Kg	₽	09/05/23 17:19	09/06/23 00:38	1
1,4-Dioxane	110	U vs	110	25	ug/Kg	₽	09/05/23 17:19	09/06/23 00:38	1
2-Butanone (MEK)	2.6	J vs	28	2.1	ug/Kg	₩	09/05/23 17:19	09/06/23 00:38	1
Acetone	21	J vs	28	4.7	ug/Kg	₩	09/05/23 17:19	09/06/23 00:38	1
Benzene	5.6	U vs	5.6	0.28	ug/Kg	₽	09/05/23 17:19	09/06/23 00:38	1
Carbon tetrachloride	5.6	U vs	5.6	0.54	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
Chlorobenzene	5.6	U vs	5.6	0.74	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
Chloroform	5.6	Uvs	5.6	0.35	ug/Kg		09/05/23 17:19	09/06/23 00:38	1
cis-1,2-Dichloroethene	5.6	U vs	5.6	0.72	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
Ethylbenzene	5.6	U vs	5.6	0.39	ug/Kg	₩	09/05/23 17:19	09/06/23 00:38	1
Methyl tert-butyl ether	5.6	Uvs	5.6	0.55	ug/Kg		09/05/23 17:19	09/06/23 00:38	1
Methylene Chloride	5.6	U vs	5.6	2.6	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
n-Butylbenzene	5.6	U vs	5.6	0.49	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
N-Propylbenzene	5.6	Uvs	5.6	0.45	ug/Kg		09/05/23 17:19	09/06/23 00:38	1
sec-Butylbenzene	5.6	U vs	5.6	0.49	ug/Kg	₩	09/05/23 17:19	09/06/23 00:38	1
tert-Butylbenzene	5.6	U vs	5.6	0.58	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
Tetrachloroethene	5.6	U vs	5.6	0.75	ug/Kg	₽	09/05/23 17:19	09/06/23 00:38	1
Toluene	5.6	U vs	5.6	0.43	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
trans-1,2-Dichloroethene	5.6	U vs	5.6	0.58	ug/Kg	☼	09/05/23 17:19	09/06/23 00:38	1
Trichloroethene	5.6	Uvs	5.6	1.2	ug/Kg		09/05/23 17:19	09/06/23 00:38	1
Vinyl chloride	5.6	U vs	5.6		ug/Kg	≎	09/05/23 17:19	09/06/23 00:38	1
Xylenes, Total	11	U vs	11	0.94	ug/Kg	₩	09/05/23 17:19	09/06/23 00:38	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	<del>*</del>		N/A	09/05/23 17:19	09/06/23 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		64 - 126				09/05/23 17:19	09/06/23 00:38	1
4-Bromofluorobenzene (Surr)	101		72 - 126				09/05/23 17:19	09/06/23 00:38	1

Method: SW846 8270D	- Semivolatile Or	ganic Compound	s (GC/MS)
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	110	U	110	63	ug/Kg	<u></u>	09/05/23 08:47	09/06/23 18:12	1
2-Methylphenol	190	U	190	23	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
3-Methylphenol	380	U	380	30	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
4-Methylphenol	380	U	380	23	ug/Kg	₽	09/05/23 08:47	09/06/23 18:12	1
Acenaphthene	190	U	190	28	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
Acenaphthylene	190	U	190	25	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
Anthracene	190	U	190	48	ug/Kg	₽	09/05/23 08:47	09/06/23 18:12	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1

60 - 140

71 - 125

**Eurofins Buffalo** 

09/05/23 17:19 09/06/23 00:38

09/05/23 17:19 09/06/23 00:38

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9/13/2023

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-11 1-2

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

DCB Decachlorobiphenyl

Tetrachloro-m-xylene

Tetrachloro-m-xylene

Lab Sample ID: 480-212326-10

Matrix: Solid

Percent Solids: 87.0

Job ID: 480-212326-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	190	U	190	28	ug/Kg	<u></u>	09/05/23 08:47	09/06/23 18:12	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
Chrysene	190	U	190	43	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
Dibenzofuran	190	U	190	23	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
Fluoranthene	190	U	190	20	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
Fluorene	190	U	190	23	ug/Kg	☆	09/05/23 08:47	09/06/23 18:12	1
Hexachlorobenzene	190	U	190	26	ug/Kg	☆	09/05/23 08:47	09/06/23 18:12	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☆	09/05/23 08:47	09/06/23 18:12	1
Naphthalene	190	U	190	25	ug/Kg	☆	09/05/23 08:47	09/06/23 18:12	1
Pentachlorophenol	380	U	380	190	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
Phenanthrene	190	U	190	28	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
Phenol	190	U	190	30	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
Pyrene	190	U	190	23	ug/Kg	₩	09/05/23 08:47	09/06/23 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	107		54 - 120				09/05/23 08:47	09/06/23 18:12	1
2-Fluorobiphenyl (Surr)	104		60 - 120				09/05/23 08:47	09/06/23 18:12	1
2-Fluorophenol (Surr)	103		52 - 120				09/05/23 08:47	09/06/23 18:12	1
Nitrobenzene-d5 (Surr)	103		53 - 120				09/05/23 08:47	09/06/23 18:12	1
Phenol-d5 (Surr)	106		54 - 120				09/05/23 08:47	09/06/23 18:12	1
p-Terphenyl-d14 (Surr)	114		79 - 130				09/05/23 08:47	09/06/23 18:12	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☆	09/05/23 16:04	09/06/23 13:59	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☆	09/05/23 16:04	09/06/23 13:59	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	☆	09/05/23 16:04	09/06/23 13:59	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	☆	09/05/23 16:04	09/06/23 13:59	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☆	09/05/23 16:04	09/06/23 13:59	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	☆	09/05/23 16:04	09/06/23 13:59	1
cis-Chlordane	1.9	U	1.9	0.95	ug/Kg	₽	09/05/23 16:04	09/06/23 13:59	1
delta-BHC	1.9	U	1.9	0.36	ug/Kg	☆	09/05/23 16:04	09/06/23 13:59	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	≎	09/05/23 16:04	09/06/23 13:59	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	₽	09/05/23 16:04	09/06/23 13:59	1
Endosulfan II	0.69	J	1.9	0.34	ug/Kg	≎	09/05/23 16:04	09/06/23 13:59	1
Endosulfan sulfate	1.9	U	1.9	0.36	ug/Kg	₩	09/05/23 16:04	09/06/23 13:59	1
Endrin	1.9	U	1.9	0.38	ug/Kg	₽	09/05/23 16:04	09/06/23 13:59	1
gamma-BHC (Lindane)	1.9	U	1.9	0.35	ug/Kg	₩	09/05/23 16:04	09/06/23 13:59	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	₩	09/05/23 16:04	09/06/23 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	101		45 - 120				09/05/23 16:04	09/06/23 13:59	1

**Eurofins Buffalo** 

09/05/23 16:04 09/06/23 13:59

09/05/23 16:04 09/06/23 13:59

09/05/23 16:04 09/06/23 13:59

45 - 120

30 - 124

30 - 124

96

78

83

2

4

6

8

9

11

13

14

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-11 1-2

Lab Sample ID: 480-212326-10 Date Collected: 08/31/23 00:00 **Matrix: Solid** 

Date Received: 08/31/23 15:15 Percent Solids: 87.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.1		2.3	0.46	mg/Kg	<u></u>	09/01/23 14:36	09/06/23 15:22	1
Barium	69.6		0.57	0.13	mg/Kg	☼	09/01/23 14:36	09/06/23 15:22	1
Beryllium	0.81		0.23	0.032	mg/Kg	☼	09/01/23 14:36	09/06/23 15:22	1
Cadmium	0.17	J	0.23	0.034	mg/Kg	⊅	09/01/23 14:36	09/06/23 15:22	1
Chromium	20.3		0.57	0.23	mg/Kg	₩	09/01/23 14:36	09/06/23 15:22	1
Copper	40.5		1.1	0.24	mg/Kg	☼	09/01/23 14:36	09/06/23 15:22	1
Lead	38.1		1.1	0.27	mg/Kg	₩	09/01/23 14:36	09/06/23 15:22	1
Manganese	143	В	0.23	0.037	mg/Kg	☼	09/01/23 14:36	09/06/23 15:22	1
Nickel	30.5		5.7	0.26	mg/Kg	☼	09/01/23 14:36	09/06/23 15:22	1
Selenium	4.6	U	4.6	0.46	mg/Kg	₩	09/01/23 14:36	09/06/23 15:22	1
Silver	0.69	U	0.69	0.23	mg/Kg	☼	09/01/23 14:36	09/06/23 15:22	1
Zinc	88.5		2.3	0.73	mg/Kg	₩	09/01/23 14:36	09/06/23 15:22	1
- Method: SW846 7471B	- Mercury (CVAA)								
Analyte	• • • • • • • • • • • • • • • • • • • •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.023	0.0054	mg/Kg	<u></u>	09/12/23 10:54	09/12/23 13:21	1

Client Sample ID: BH-12 1-2 Lab Sample ID: 480-212326-11

Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 87.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.6	U vs	5.6	0.40	ug/Kg	₽	09/05/23 17:19	09/06/23 01:03	1
1,1-Dichloroethane	5.6	U vs	5.6	0.68	ug/Kg	☼	09/05/23 17:19	09/06/23 01:03	1
1,1-Dichloroethene	5.6	U vs	5.6	0.68	ug/Kg	☼	09/05/23 17:19	09/06/23 01:03	1
1,2,4-Trimethylbenzene	5.6	U vs	5.6	1.1	ug/Kg	₽	09/05/23 17:19	09/06/23 01:03	1
1,2-Dichlorobenzene	5.6	U vs	5.6	0.43	ug/Kg	☼	09/05/23 17:19	09/06/23 01:03	1
1,2-Dichloroethane	5.6	U vs	5.6	0.28	ug/Kg	☼	09/05/23 17:19	09/06/23 01:03	1
1,3,5-Trimethylbenzene	5.6	U vs	5.6	0.36	ug/Kg	₽	09/05/23 17:19	09/06/23 01:03	1
1,3-Dichlorobenzene	5.6	U vs	5.6	0.29	ug/Kg	☼	09/05/23 17:19	09/06/23 01:03	1
1,4-Dichlorobenzene	5.6	U vs	5.6	0.78	ug/Kg	☼	09/05/23 17:19	09/06/23 01:03	1
1,4-Dioxane	110	U vs	110	24	ug/Kg	₽	09/05/23 17:19	09/06/23 01:03	1
2-Butanone (MEK)	4.2	J vs	28	2.0	ug/Kg	☼	09/05/23 17:19	09/06/23 01:03	1
Acetone	38	vs	28	4.7	ug/Kg	☼	09/05/23 17:19	09/06/23 01:03	1
Benzene	5.6	U vs	5.6	0.27	ug/Kg	₽	09/05/23 17:19	09/06/23 01:03	1
Carbon tetrachloride	5.6	U vs	5.6	0.54	ug/Kg	₽	09/05/23 17:19	09/06/23 01:03	1
Chlorobenzene	5.6	U vs	5.6	0.73	ug/Kg	₩	09/05/23 17:19	09/06/23 01:03	1
Chloroform	5.6	U vs	5.6	0.34	ug/Kg	₽	09/05/23 17:19	09/06/23 01:03	1
cis-1,2-Dichloroethene	5.6	U vs	5.6	0.71	ug/Kg	₽	09/05/23 17:19	09/06/23 01:03	1
Ethylbenzene	5.6	U vs	5.6	0.38	ug/Kg	₩	09/05/23 17:19	09/06/23 01:03	1
Methyl tert-butyl ether	5.6	Uvs	5.6	0.55	ug/Kg	≎	09/05/23 17:19	09/06/23 01:03	1
Methylene Chloride	5.6	U vs	5.6	2.6	ug/Kg	₽	09/05/23 17:19	09/06/23 01:03	1
n-Butylbenzene	5.6	U vs	5.6	0.48	ug/Kg	₽	09/05/23 17:19	09/06/23 01:03	1
N-Propylbenzene	5.6	Uvs	5.6	0.44	ug/Kg	≎	09/05/23 17:19	09/06/23 01:03	1
sec-Butylbenzene	5.6	U vs	5.6	0.48	ug/Kg	₽	09/05/23 17:19	09/06/23 01:03	1
tert-Butylbenzene	5.6	U vs	5.6	0.58	ug/Kg	≎	09/05/23 17:19	09/06/23 01:03	1
Tetrachloroethene	5.6	U vs	5.6	0.74	ug/Kg	⊅	09/05/23 17:19	09/06/23 01:03	1
Toluene	5.6	U vs	5.6	0.42	ug/Kg	☼	09/05/23 17:19	09/06/23 01:03	1
trans-1,2-Dichloroethene	5.6	U vs	5.6	0.57	ug/Kg	₽	09/05/23 17:19	09/06/23 01:03	1

**Eurofins Buffalo** 

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-12 1-2

4,4'-DDD

Lab Sample ID: 480-212326-11

**Matrix: Solid** 

Job ID: 480-212326-1

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15 Percent Solids: 87.4

Method: SW846 8260C - Vola Analyte		Qualifier	RL	-		Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	5.6	Uvs	5.6		1.2	ug/Kg	——————————————————————————————————————	09/05/23 17:19	09/06/23 01:03	
Vinyl chloride	5.6	Uvs	5.6			ug/Kg		09/05/23 17:19	09/06/23 01:03	· · · · · · · · · ·
Xylenes, Total	11	U vs	11			ug/Kg	₽	09/05/23 17:19	09/06/23 01:03	
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	<del>*</del>			N/A	09/05/23 17:19	09/06/23 01:03	
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	109		64 - 126					09/05/23 17:19	09/06/23 01:03	
4-Bromofluorobenzene (Surr)	97		72 - 126					09/05/23 17:19	09/06/23 01:03	
Dibromofluoromethane (Surr)	105		60 - 140					09/05/23 17:19	09/06/23 01:03	
Toluene-d8 (Surr)	99		71 - 125					09/05/23 17:19	09/06/23 01:03	
Method: SW846 8270D - Sem	ivolatile Org	anic Com	pounds (G	C/MS)						
Analyte	_	Qualifier	RL			Unit	D	Prepared	Analyzed	Dil Fa
1,4-Dioxane	2200	U	2200		1200		<u></u>	09/05/23 08:47	09/06/23 18:36	20
2-Methylphenol	3800	U	3800		450	ug/Kg	☼	09/05/23 08:47	09/06/23 18:36	20
3-Methylphenol	7400	U	7400		580	ug/Kg	☆	09/05/23 08:47	09/06/23 18:36	20
4-Methylphenol	7400	U	7400		450	ug/Kg	☼	09/05/23 08:47	09/06/23 18:36	20
Acenaphthene	3800	U	3800		560	ug/Kg	☼	09/05/23 08:47	09/06/23 18:36	20
Acenaphthylene	3800	U	3800		490	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	2
Anthracene	3800	U	3800		940	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	2
Benzo[a]anthracene	380	J	3800		380	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	20
Benzo[a]pyrene	3800	U	3800		560	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	20
Benzo[b]fluoranthene	3800	U	3800		610	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	20
Benzo[g,h,i]perylene	3800	U	3800		400	ug/Kg	₽	09/05/23 08:47	09/06/23 18:36	20
Benzo[k]fluoranthene	3800	U	3800		490	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	20
Chrysene	3800	U	3800		850	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	2
Dibenz(a,h)anthracene	3800	U	3800		670	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	2
Dibenzofuran	3800	U	3800		450	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	2
Fluoranthene	580	J	3800		400	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	2
Fluorene	3800	U	3800		450	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	2
Hexachlorobenzene	3800	U	3800		520	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	2
Indeno[1,2,3-cd]pyrene	3800	U	3800		470	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	2
Naphthalene	3800	U	3800		490	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	2
Pentachlorophenol	7400	U	7400		3800	ug/Kg	₽	09/05/23 08:47	09/06/23 18:36	2
Phenanthrene	3800	U	3800		560	ug/Kg	₽	09/05/23 08:47	09/06/23 18:36	20
Phenol	3800	U	3800		580	ug/Kg	₩	09/05/23 08:47	09/06/23 18:36	2
Pyrene	3800	U	3800		450	ug/Kg	☼	09/05/23 08:47	09/06/23 18:36	2
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fa
2,4,6-Tribromophenol (Surr)	76		54 - 120					09/05/23 08:47	09/06/23 18:36	2
2-Fluorobiphenyl (Surr)	77		60 - 120					09/05/23 08:47	09/06/23 18:36	2
2-Fluorophenol (Surr)	69		52 - 120					09/05/23 08:47	09/06/23 18:36	2
Nitrobenzene-d5 (Surr)	63		53 - 120					09/05/23 08:47	09/06/23 18:36	2
Phenol-d5 (Surr)	92		54 - 120					09/05/23 08:47	09/06/23 18:36	2
p-Terphenyl-d14 (Surr)	91		79 - 130					09/05/23 08:47	09/06/23 18:36	2
Method: SW846 8081B - Orga			s (GC)							
Analyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil Fa

Eurofins Buffalo

© 09/05/23 16:04 09/06/23 14:19

37

7.2 ug/Kg

8.5 J

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-12 1-2 Lab Sample ID: 480-212326-11

Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 87.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
4,4'-DDE	37	U	37	7.8	ug/Kg	<u></u>	09/05/23 16:04	09/06/23 14:19	20
4,4'-DDT	37	U	37	8.7	ug/Kg	☼	09/05/23 16:04	09/06/23 14:19	20
Aldrin	37	U	37	9.1	ug/Kg	₩	09/05/23 16:04	09/06/23 14:19	20
alpha-BHC	37	U	37	6.7	ug/Kg	₩	09/05/23 16:04	09/06/23 14:19	20
beta-BHC	37	U	37	6.7	ug/Kg	₩	09/05/23 16:04	09/06/23 14:19	20
cis-Chlordane	37	U	37	18	ug/Kg	₩	09/05/23 16:04	09/06/23 14:19	20
delta-BHC	37	U	37	6.9	ug/Kg	₩	09/05/23 16:04	09/06/23 14:19	20
Dieldrin	37	U	37	8.9	ug/Kg	₩	09/05/23 16:04	09/06/23 14:19	20
Endosulfan I	37	U	37	7.1	ug/Kg	₩	09/05/23 16:04	09/06/23 14:19	20
Endosulfan II	37	U	37	6.7	ug/Kg	☼	09/05/23 16:04	09/06/23 14:19	20
Endosulfan sulfate	37	U	37	6.9	ug/Kg	₩	09/05/23 16:04	09/06/23 14:19	20
Endrin	37	U	37	7.3	ug/Kg	₩	09/05/23 16:04	09/06/23 14:19	20
gamma-BHC (Lindane)	37	U	37	6.8	ug/Kg	☼	09/05/23 16:04	09/06/23 14:19	20
Heptachlor	37	U	37	8.0	ug/Kg	≎	09/05/23 16:04	09/06/23 14:19	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
DCB Decachlorobiphenyl	115		45 - 120				09/05/23 16:04	09/06/23 14:19	20
DCB Decachlorobiphenyl	175	S1+	45 - 120				09/05/23 16:04	09/06/23 14:19	20
Tetrachloro-m-xylene	0	S1-	30 - 124				09/05/23 16:04	09/06/23 14:19	20
Tetrachloro-m-xylene	0	S1-	30 - 124				09/05/23 16:04	09/06/23 14:19	20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17.2		2.3	0.46	mg/Kg	— <u></u>	09/01/23 14:36	09/06/23 15:26	1
Barium	372		0.58	0.13	mg/Kg	₩	09/01/23 14:36	09/06/23 15:26	1
Beryllium	1.6		0.23	0.032	mg/Kg	₽	09/01/23 14:36	09/06/23 15:26	1
Cadmium	0.18	J	0.23	0.035	mg/Kg	₩	09/01/23 14:36	09/06/23 15:26	1
Chromium	21.1		0.58	0.23	mg/Kg	₩	09/01/23 14:36	09/06/23 15:26	1
Copper	23.5		1.2	0.24	mg/Kg	₩	09/01/23 14:36	09/06/23 15:26	1
Lead	11.7		1.2	0.28	mg/Kg	₩	09/01/23 14:36	09/06/23 15:26	1
Manganese	112	В	0.23	0.037	mg/Kg	₩	09/01/23 14:36	09/06/23 15:26	1
Nickel	21.6		5.8	0.26	mg/Kg	₩	09/01/23 14:36	09/06/23 15:26	1
Selenium	9.0		4.6	0.46	mg/Kg	₩	09/01/23 14:36	09/06/23 15:26	1
Silver	0.69	U	0.69	0.23	mg/Kg	₽	09/01/23 14:36	09/06/23 15:26	1
Zinc	20.6		2.3	0.74	mg/Kg	₩	09/01/23 14:36	09/06/23 15:26	1

	ıry (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.024	0.0054	mg/Kg	<u></u>	09/12/23 10:54	09/12/23 13:22	1

Lab Sample ID: 480-212326-12 Client Sample ID: BH-13 1-3 Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 91.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.4	U vs	5.4	0.39	ug/Kg	— <u>~</u>	09/05/23 17:19	09/06/23 01:27	1
1,1-Dichloroethane	5.4	U vs	5.4	0.65	ug/Kg	☼	09/05/23 17:19	09/06/23 01:27	1
1,1-Dichloroethene	5.4	U vs	5.4	0.66	ug/Kg	☼	09/05/23 17:19	09/06/23 01:27	1
1,2,4-Trimethylbenzene	5.4	U vs	5.4	1.0	ug/Kg	≎	09/05/23 17:19	09/06/23 01:27	1
1,2-Dichlorobenzene	5.4	U vs	5.4	0.42	ug/Kg	₩	09/05/23 17:19	09/06/23 01:27	1

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Job ID: 480-212326-1

**Eurofins Buffalo** 

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-13 1-3

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15 Lab Sample ID: 480-212326-12

Matrix: Solid

Percent Solids: 91.1

Job ID: 480-212326-1

Analyte	Result	Qualifier	RL	-	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	5.4	U vs	5.4	1	0.27	ug/Kg	<del></del>	09/05/23 17:19	09/06/23 01:27	1
1,3,5-Trimethylbenzene	5.4	U vs	5.4	1	0.35	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
1,3-Dichlorobenzene	5.4	U vs	5.4	ļ	0.28	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
1,4-Dichlorobenzene	5.4	U vs	5.4	ļ	0.75	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
1,4-Dioxane	110	U vs	110	)	23	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
2-Butanone (MEK)	27	U vs	27	7	2.0	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
Acetone	27	U vs	27	7	4.5	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
Benzene	5.4	U vs	5.4	1	0.26	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
Carbon tetrachloride	5.4	U vs	5.4	ļ	0.52	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
Chlorobenzene	5.4	U vs	5.4	ļ	0.71	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
Chloroform	5.4	U vs	5.4	1	0.33	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
cis-1,2-Dichloroethene	5.4	U vs	5.4	ļ	0.69	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
Ethylbenzene	5.4	U vs	5.4	ļ	0.37	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
Methyl tert-butyl ether	5.4	U vs	5.4	1	0.53	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
Methylene Chloride	5.4	U vs	5.4	ļ	2.5	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
n-Butylbenzene	5.4	U vs	5.4	ļ	0.47	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
N-Propylbenzene	5.4	U vs	5.4	1	0.43	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
sec-Butylbenzene	5.4	U vs	5.4	1	0.47	ug/Kg	≎	09/05/23 17:19	09/06/23 01:27	1
tert-Butylbenzene	5.4	U vs	5.4	1	0.56	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
Tetrachloroethene	5.4	U vs	5.4	1	0.72	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
Toluene	5.4	U vs	5.4	1	0.41	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
trans-1,2-Dichloroethene	5.4	U vs	5.4	1	0.55	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
Trichloroethene	5.4	U vs	5.4	1	1.2	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
Vinyl chloride	5.4	U vs	5.4	ļ	0.65	ug/Kg	₽	09/05/23 17:19	09/06/23 01:27	1
Xylenes, Total	11	U vs	11		0.90	ug/Kg	☼	09/05/23 17:19	09/06/23 01:27	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			N/A	09/05/23 17:19	09/06/23 01:27	1
Surrogate	%Recovery	Qualifier	l imits					Prenared	Analyzed	Dil Fac

Surrogate	%Recovery Qu	ualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108	64 - 126	09/05/23 17:19	09/06/23 01:27	1
4-Bromofluorobenzene (Surr)	98	72 - 126	09/05/23 17:19	09/06/23 01:27	1
Dibromofluoromethane (Surr)	107	60 - 140	09/05/23 17:19	09/06/23 01:27	1
Toluene-d8 (Surr)	100	71 - 125	09/05/23 17:19	09/06/23 01:27	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1100	U	1100	590	ug/Kg	<u></u>	09/05/23 08:47	09/06/23 19:00	10
2-Methylphenol	1800	U	1800	210	ug/Kg	₽	09/05/23 08:47	09/06/23 19:00	10
3-Methylphenol	3500	U	3500	280	ug/Kg	₽	09/05/23 08:47	09/06/23 19:00	10
4-Methylphenol	3500	U	3500	210	ug/Kg	₩	09/05/23 08:47	09/06/23 19:00	10
Acenaphthene	1800	U	1800	270	ug/Kg	₽	09/05/23 08:47	09/06/23 19:00	10
Acenaphthylene	1800	U	1800	240	ug/Kg	₽	09/05/23 08:47	09/06/23 19:00	10
Anthracene	1800	U	1800	450	ug/Kg	₽	09/05/23 08:47	09/06/23 19:00	10
Benzo[a]anthracene	1800	U	1800	180	ug/Kg	₽	09/05/23 08:47	09/06/23 19:00	10
Benzo[a]pyrene	1800	U	1800	270	ug/Kg	☼	09/05/23 08:47	09/06/23 19:00	10
Benzo[b]fluoranthene	1800	U	1800	290	ug/Kg	₽	09/05/23 08:47	09/06/23 19:00	10
Benzo[g,h,i]perylene	1800	U	1800	190	ug/Kg	₽	09/05/23 08:47	09/06/23 19:00	10
Benzo[k]fluoranthene	1800	U	1800	240	ug/Kg	☼	09/05/23 08:47	09/06/23 19:00	10
Chrysene	1800	U	1800	410	ug/Kg	₩	09/05/23 08:47	09/06/23 19:00	10

**Eurofins Buffalo** 

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-13 1-3

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

Lab Sample ID: 480-212326-12

**Matrix: Solid** 

Job ID: 480-212326-1

Percent Solids: 91.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	1800	U	1800	320	ug/Kg	<del>-</del>	09/05/23 08:47	09/06/23 19:00	10
Dibenzofuran	1800	U	1800	210	ug/Kg	₩	09/05/23 08:47	09/06/23 19:00	10
Fluoranthene	350	J	1800	190	ug/Kg	₽	09/05/23 08:47	09/06/23 19:00	10
Fluorene	1800	U	1800	210	ug/Kg	☼	09/05/23 08:47	09/06/23 19:00	10
Hexachlorobenzene	1800	U	1800	250	ug/Kg	₩	09/05/23 08:47	09/06/23 19:00	10
Indeno[1,2,3-cd]pyrene	1800	U	1800	220	ug/Kg	⊅	09/05/23 08:47	09/06/23 19:00	10
Naphthalene	1800	U	1800	240	ug/Kg	☼	09/05/23 08:47	09/06/23 19:00	10
Pentachlorophenol	3500	U	3500	1800	ug/Kg	☼	09/05/23 08:47	09/06/23 19:00	10
Phenanthrene	1800	U	1800	270	ug/Kg	☼	09/05/23 08:47	09/06/23 19:00	10
Phenol	1800	U	1800	280	ug/Kg	☼	09/05/23 08:47	09/06/23 19:00	10
Pyrene	260	J	1800	210	ug/Kg	☼	09/05/23 08:47	09/06/23 19:00	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	75		54 - 120				09/05/23 08:47	09/06/23 19:00	10
2-Fluorobiphenyl (Surr)	91		60 - 120				09/05/23 08:47	09/06/23 19:00	10
2-Fluorophenol (Surr)	83		52 - 120				09/05/23 08:47	09/06/23 19:00	10
Nitrobenzene-d5 (Surr)	89		53 - 120				09/05/23 08:47	09/06/23 19:00	10
Phenol-d5 (Surr)	91		54 - 120				09/05/23 08:47	09/06/23 19:00	10
p-Terphenyl-d14 (Surr)	103		79 - 130				09/05/23 08:47	09/06/23 19:00	10

Method: SW846 8081B	- Organochlorine	<b>Pesticides</b>	(GC)
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	9.0	U	9.0	1.7	ug/Kg	₽	09/05/23 16:04	09/06/23 14:39	5
4,4'-DDE	9.0	U	9.0	1.9	ug/Kg	☼	09/05/23 16:04	09/06/23 14:39	5
4,4'-DDT	9.0	U	9.0	2.1	ug/Kg	₩	09/05/23 16:04	09/06/23 14:39	5
Aldrin	9.0	U	9.0	2.2	ug/Kg	⊅	09/05/23 16:04	09/06/23 14:39	5
alpha-BHC	9.0	U	9.0	1.6	ug/Kg	☼	09/05/23 16:04	09/06/23 14:39	5
beta-BHC	9.0	U	9.0	1.6	ug/Kg	☼	09/05/23 16:04	09/06/23 14:39	5
cis-Chlordane	9.0	U	9.0	4.5	ug/Kg	⊅	09/05/23 16:04	09/06/23 14:39	5
delta-BHC	9.0	U	9.0	1.7	ug/Kg	☼	09/05/23 16:04	09/06/23 14:39	5
Dieldrin	9.0	U	9.0	2.1	ug/Kg	☼	09/05/23 16:04	09/06/23 14:39	5
Endosulfan I	9.0	U	9.0	1.7	ug/Kg	⊅	09/05/23 16:04	09/06/23 14:39	5
Endosulfan II	9.0	U	9.0	1.6	ug/Kg	☼	09/05/23 16:04	09/06/23 14:39	5
Endosulfan sulfate	9.0	U	9.0	1.7	ug/Kg	☼	09/05/23 16:04	09/06/23 14:39	5
Endrin	9.0	U	9.0	1.8	ug/Kg	⊅	09/05/23 16:04	09/06/23 14:39	5
gamma-BHC (Lindane)	9.0	U	9.0	1.6	ug/Kg	☼	09/05/23 16:04	09/06/23 14:39	5
Heptachlor	9.0	U	9.0	1.9	ug/Kg	☆	09/05/23 16:04	09/06/23 14:39	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		45 - 120	09/05/23 16:04	09/06/23 14:39	5
DCB Decachlorobiphenyl	97		45 - 120	09/05/23 16:04	09/06/23 14:39	5
Tetrachloro-m-xylene	58		30 - 124	09/05/23 16:04	09/06/23 14:39	5
Tetrachloro-m-xylene	78		30 - 124	09/05/23 16:04	09/06/23 14:39	5

INICITION. SANDAO OO LOC - INIC	iais (ICF)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.1	2.3	0.45 mg/Kg	≎	09/01/23 14:36	09/06/23 15:41	1
Barium	131	0.57	0.12 mg/Kg	₩	09/01/23 14:36	09/06/23 15:41	1
Beryllium	1.2	0.23	0.032 mg/Kg	☆	09/01/23 14:36	09/06/23 15:41	1
Cadmium	0.36	0.23	0.034 mg/Kg	☼	09/01/23 14:36	09/06/23 15:41	1

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Eurofins Buffalo

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-13 1-3

Lab Sample ID: 480-212326-12

Matrix: Solid

Percent Solids: 91.1

Job ID: 480-212326-1

Chefft Sample ID. BH-13 1-3
Date Collected: 08/31/23 00:00
Date Received: 08/31/23 15:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	20.2		0.57	0.23	mg/Kg	— <u></u>	09/01/23 14:36	09/06/23 15:41	1
Copper	27.5		1.1	0.24	mg/Kg	₩	09/01/23 14:36	09/06/23 15:41	1
Lead	30.6		1.1	0.27	mg/Kg	₩	09/01/23 14:36	09/06/23 15:41	1
Manganese	423	В	0.23	0.036	mg/Kg	₩	09/01/23 14:36	09/06/23 15:41	1
Nickel	31.4		5.7	0.26	mg/Kg	₩	09/01/23 14:36	09/06/23 15:41	1
Selenium	4.5	U	4.5	0.45	mg/Kg	₩	09/01/23 14:36	09/06/23 15:41	1
Silver	0.68	U	0.68	0.23	mg/Kg	₩	09/01/23 14:36	09/06/23 15:41	1
Zinc	77.3		2.3	0.72	mg/Kg	₽	09/01/23 14:36	09/06/23 15:41	1
- Method: SW846 7471E	B - Mercury (CVAA)								
Analyte	• • •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.019	0.0044	mg/Kg	— <u>—</u>	09/12/23 10:54	09/12/23 13:23	

Client Sample ID: MW-1

Date Collected: 08/31/23 13:15

Lab Sample ID: 480-212326-13

Matrix: Water

Date Received: 08/31/23 15:15

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/07/23 22:13	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/07/23 22:13	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/07/23 22:13	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			09/07/23 22:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/07/23 22:13	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/07/23 22:13	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			09/07/23 22:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/07/23 22:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/07/23 22:13	1
1,4-Dioxane	40	U	40	9.3	ug/L			09/07/23 22:13	1
2-Butanone (MEK)	2.1	J	10	1.3	ug/L			09/07/23 22:13	1
Acetone	10		10	3.0	ug/L			09/07/23 22:13	1
Benzene	1.0	U	1.0	0.41	ug/L			09/07/23 22:13	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/07/23 22:13	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/07/23 22:13	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/07/23 22:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/07/23 22:13	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/07/23 22:13	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/07/23 22:13	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/07/23 22:13	1
n-Butylbenzene	1.0	U	1.0	0.64	ug/L			09/07/23 22:13	1
N-Propylbenzene	1.0	U	1.0	0.69	ug/L			09/07/23 22:13	1
sec-Butylbenzene	1.0	U	1.0	0.75	ug/L			09/07/23 22:13	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/07/23 22:13	1
Toluene	1.0	U	1.0	0.51	ug/L			09/07/23 22:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/07/23 22:13	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/07/23 22:13	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/07/23 22:13	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/07/23 22:13	1
tert-Butylbenzene	1.0	U	1.0		ug/L			09/07/23 22:13	1

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: MW-1

Date Collected: 08/31/23 13:15 Date Received: 08/31/23 15:15

Lab Sample ID: 480-212326-13

Job ID: 480-212326-1

**Matrix: Water** 

Tentatively Identified Compound Cyclohexane, methyl-	Est. Result 5.5	<b>Qualifier</b> T J N	Unit ug/L	<u>D</u> _	<b>RT</b> 5.20	CAS No. 108-87-2	Prepared	Analyzed 09/07/23 22:13	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120	•				09/07/23 22:13	1
4-Bromofluorobenzene (Surr)	95		73 - 120					09/07/23 22:13	1
Toluene-d8 (Surr)	99		80 - 120					09/07/23 22:13	1
Dibromofluoromethane (Surr)	101		75 - 123					09/07/23 22:13	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		09/06/23 08:45	09/07/23 18:47	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		09/06/23 08:45	09/07/23 18:47	1
3-Methylphenol	10	U	10	0.40	ug/L		09/06/23 08:45	09/07/23 18:47	1
4-Methylphenol	10	U	10	0.36	ug/L		09/06/23 08:45	09/07/23 18:47	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		09/06/23 08:45	09/07/23 18:47	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		09/06/23 08:45	09/07/23 18:47	1
Anthracene	5.0	U	5.0	0.28	ug/L		09/06/23 08:45	09/07/23 18:47	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		09/06/23 08:45	09/07/23 18:47	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		09/06/23 08:45	09/07/23 18:47	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		09/06/23 08:45	09/07/23 18:47	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		09/06/23 08:45	09/07/23 18:47	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		09/06/23 08:45	09/07/23 18:47	1
Chrysene	5.0	U	5.0	0.33	ug/L		09/06/23 08:45	09/07/23 18:47	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		09/06/23 08:45	09/07/23 18:47	1
Dibenzofuran	10	U	10	0.51	ug/L		09/06/23 08:45	09/07/23 18:47	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		09/06/23 08:45	09/07/23 18:47	1
Fluorene	5.0	U	5.0	0.36	ug/L		09/06/23 08:45	09/07/23 18:47	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		09/06/23 08:45	09/07/23 18:47	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		09/06/23 08:45	09/07/23 18:47	1
Naphthalene	5.0	U	5.0	0.76	ug/L		09/06/23 08:45	09/07/23 18:47	1
Pentachlorophenol	10	U	10	2.2	ug/L		09/06/23 08:45	09/07/23 18:47	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		09/06/23 08:45	09/07/23 18:47	1
Phenol	5.0	U	5.0	0.39	ug/L		09/06/23 08:45	09/07/23 18:47	1
Pyrene	5.0	U	5.0	0.34			09/06/23 08:45	09/07/23 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	73		46 - 120	09/06/23 08:45	09/07/23 18:47	1
p-Terphenyl-d14 (Surr)	52	S1-	60 - 148	09/06/23 08:45	09/07/23 18:47	1
Phenol-d5 (Surr)	46		22 - 120	09/06/23 08:45	09/07/23 18:47	1
2-Fluorophenol (Surr)	64		35 - 120	09/06/23 08:45	09/07/23 18:47	1
2,4,6-Tribromophenol (Surr)	88		41 - 120	09/06/23 08:45	09/07/23 18:47	1
2-Fluorobiphenyl (Surr)	83		48 - 120	09/06/23 08:45	09/07/23 18:47	1

Method: SW846 8081B - Organochiorine Pesticides (G0	(ت
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Analyte Resul	t Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD 0.050	Ū U	0.050	0.0092	ug/L		09/01/23 15:51	09/05/23 14:33	1
4,4'-DDE 0.050	) U	0.050	0.012	ug/L		09/01/23 15:51	09/05/23 14:33	1
4,4'-DDT 0.050	) U	0.050	0.011	ug/L		09/01/23 15:51	09/05/23 14:33	1
Aldrin 0.050	) U	0.050	0.0081	ug/L		09/01/23 15:51	09/05/23 14:33	1
alpha-BHC 0.050	) U	0.050	0.0077	ug/L		09/01/23 15:51	09/05/23 14:33	1
cis-Chlordane 0.056	) U	0.050	0.015	ug/L		09/01/23 15:51	09/05/23 14:33	1

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Client: Brydges Engineering in Environment & Energy DPC

Job ID: 480-212326-1

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: MW-1 Lab Sample ID: 480-212326-13

Date Collected: 08/31/23 13:15

Matrix: Water

Date Received: 08/31/23 15:15

Tetrachloro-m-xylene

Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	0.050	U	0.050	0.025	ug/L		09/01/23 15:51	09/05/23 14:33	1
delta-BHC	0.050	U	0.050	0.010	ug/L		09/01/23 15:51	09/05/23 14:33	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		09/01/23 15:51	09/05/23 14:33	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		09/01/23 15:51	09/05/23 14:33	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		09/01/23 15:51	09/05/23 14:33	1
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		09/01/23 15:51	09/05/23 14:33	1
Endrin	0.050	U	0.050	0.014	ug/L		09/01/23 15:51	09/05/23 14:33	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0080	ug/L		09/01/23 15:51	09/05/23 14:33	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		09/01/23 15:51	09/05/23 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	36		20 - 120				09/01/23 15:51	09/05/23 14:33	1
DCB Decachlorobiphenyl	32		20 - 120				09/01/23 15:51	09/05/23 14:33	1
Tetrachloro-m-xylene	46		44 - 120				09/01/23 15:51	09/05/23 14:33	1

44 - 120

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0060	U	0.0060	0.0017	mg/L		09/05/23 08:21	09/05/23 23:41	1
Arsenic	0.035		0.015	0.0056	mg/L		09/05/23 08:21	09/05/23 23:41	1
Barium	1.0		0.0020	0.00070	mg/L		09/05/23 08:21	09/05/23 23:41	1
Beryllium	0.0076		0.0020	0.00030	mg/L		09/05/23 08:21	09/05/23 23:41	1
Cadmium	0.0020	U	0.0020	0.00050	mg/L		09/05/23 08:21	09/05/23 23:41	1
Chromium	0.095		0.0040	0.0010	mg/L		09/05/23 08:21	09/05/23 23:41	1
Copper	0.10		0.010	0.0016	mg/L		09/05/23 08:21	09/05/23 23:41	1
Manganese	2.2		0.0030	0.00040	mg/L		09/05/23 08:21	09/05/23 23:41	1
Nickel	0.14		0.010	0.0013	mg/L		09/05/23 08:21	09/05/23 23:41	1
Lead	0.078		0.050	0.015	mg/L		09/05/23 08:21	09/06/23 21:32	5
Selenium	0.025	U	0.025	0.0087	mg/L		09/05/23 08:21	09/05/23 23:41	1
Zinc	0.16		0.010	0.0015	mg/L		09/05/23 08:21	09/05/23 23:41	1
Method: SW846 7470	A - Mercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: MW-2

Date Collected: 08/31/23 13:30

Date Received: 08/31/23 15:15

Lab Sample ID: 480-212326-14

Matrix: Water

0.0012

0.00026 mg/L

0.0012 U

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/07/23 22:36	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/07/23 22:36	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/07/23 22:36	1
1,2,4-Trimethylbenzene	8.4		1.0	0.75	ug/L			09/07/23 22:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/07/23 22:36	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/07/23 22:36	1
1,3,5-Trimethylbenzene	1.9		1.0	0.77	ug/L			09/07/23 22:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/07/23 22:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/07/23 22:36	1
1,4-Dioxane	40	U	40	9.3	ug/L			09/07/23 22:36	1

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3

5

7

9

11

4.0

09/01/23 15:51 09/05/23 14:33

09/06/23 11:17 09/06/23 16:06

14

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: MW-2 Lab Sample ID: 480-212326-14 Date Collected: 08/31/23 13:30 **Matrix: Water** 

Date Received: 08/31/23 15:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	3.0	J	10	1.3	ug/L			09/07/23 22:36	1
Acetone	14		10	3.0	ug/L			09/07/23 22:36	1
Benzene	1.0	U	1.0	0.41	ug/L			09/07/23 22:36	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/07/23 22:36	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/07/23 22:36	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/07/23 22:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/07/23 22:36	1
Ethylbenzene	1.4		1.0	0.74	ug/L			09/07/23 22:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/07/23 22:36	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/07/23 22:36	1
n-Butylbenzene	1.0	U	1.0	0.64	ug/L			09/07/23 22:36	1
N-Propylbenzene	0.70	J	1.0	0.69	ug/L			09/07/23 22:36	1
sec-Butylbenzene	1.0	U	1.0	0.75	ug/L			09/07/23 22:36	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/07/23 22:36	1
Toluene	1.4		1.0	0.51	ug/L			09/07/23 22:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/07/23 22:36	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/07/23 22:36	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/07/23 22:36	1
Xylenes, Total	8.7		2.0	0.66	ug/L			09/07/23 22:36	1
tert-Butylbenzene	1.0	U	1.0	0.81	ug/L			09/07/23 22:36	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Butane, 2-methyl-	6.5	TJN	ug/L		1.56	78-78-4		09/07/23 22:36	1
Pentane	6.7	TJN	ug/L		1.72	109-66-0		09/07/23 22:36	1
Pentane, 2-methyl-	9.9	TJN	ug/L		2.51	107-83-5		09/07/23 22:36	1
Pentane, 3-methyl-	6.8	TJN	ug/L		2.73	96-14-0		09/07/23 22:36	1
Cyclopentane, methyl-	17	TJN	ug/L		3.54	96-37-7		09/07/23 22:36	1
Cyclohexane	21	TJN	ug/L		4.14	110-82-7		09/07/23 22:36	1
Isopropylcyclobutane	8.3	TJN	ug/L		4.58	872-56-0		09/07/23 22:36	1
Cyclohexane, methyl-	37	TJN	ug/L		5.20	108-87-2		09/07/23 22:36	1
Cyclohexane, 1,4-dimethyl-	6.8	TJN	ug/L		6.13	589-90-2		09/07/23 22:36	1
m-Xylene & p-Xylene	5.4		ug/L		7.96	179601-23-1		09/07/23 22:36	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104	77 - 120	<del></del>	9/07/23 22:36	1
4-Bromofluorobenzene (Surr)	94	73 - 120	C	9/07/23 22:36	1
Toluene-d8 (Surr)	98	80 - 120	C	9/07/23 22:36	1
Dibromofluoromethane (Surr)	99	75 - 123	6	9/07/23 22:36	1

Method: SW846 8270D	) - Semivolatile Organic Compound	1s (GC/N	VIS)
Analyte	Result Qualifier	RL	M

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		09/06/23 08:45	09/07/23 19:14	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		09/06/23 08:45	09/07/23 19:14	1
3-Methylphenol	10	U	10	0.40	ug/L		09/06/23 08:45	09/07/23 19:14	1
4-Methylphenol	10	U	10	0.36	ug/L		09/06/23 08:45	09/07/23 19:14	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		09/06/23 08:45	09/07/23 19:14	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		09/06/23 08:45	09/07/23 19:14	1
Anthracene	5.0	U	5.0	0.28	ug/L		09/06/23 08:45	09/07/23 19:14	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		09/06/23 08:45	09/07/23 19:14	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		09/06/23 08:45	09/07/23 19:14	1

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

**Client Sample ID: MW-2** 

Lab Sample ID: 480-212326-14 Date Collected: 08/31/23 13:30 **Matrix: Water** 

Date Received: 08/31/23 15:15

Tetrachloro-m-xylene

Method: SW846 8270D - Se Analyte	_	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene			5.0		ug/L	_ =	09/06/23 08:45		1
Benzo[g,h,i]perylene	5.0		5.0		ug/L		09/06/23 08:45	09/07/23 19:14	
Benzo[k]fluoranthene	5.0		5.0		ug/L		09/06/23 08:45	09/07/23 19:14	1
Chrysene	5.0		5.0		ug/L				
Dibenz(a,h)anthracene	5.0		5.0		ug/L		09/06/23 08:45		1
Dibenzofuran	10		10		ug/L			09/07/23 19:14	1
Fluoranthene	5.0		5.0		ug/L			09/07/23 19:14	· · · · · · · · · · · · · · · · · · ·
Fluorene	5.0		5.0		ug/L				1
Hexachlorobenzene	5.0		5.0		ug/L			09/07/23 19:14	1
Indeno[1,2,3-cd]pyrene	5.0		5.0	0.47	ug/L			09/07/23 19:14	
Naphthalene	5.0		5.0		ug/L			09/07/23 19:14	1
Pentachlorophenol	10		10		ug/L			09/07/23 19:14	1
Phenanthrene	5.0		5.0		ug/L			09/07/23 19:14	· 1
Phenol	5.0		5.0	0.39	-			09/07/23 19:14	1
Pyrene	5.0		5.0		ug/L			09/07/23 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	64		46 - 120				09/06/23 08:45	09/07/23 19:14	1
p-Terphenyl-d14 (Surr)	51	S1-	60 - 148				09/06/23 08:45	09/07/23 19:14	1
Phenol-d5 (Surr)	40		22 - 120				09/06/23 08:45	09/07/23 19:14	1
2-Fluorophenol (Surr)	59		35 - 120				09/06/23 08:45	09/07/23 19:14	1
2,4,6-Tribromophenol (Surr)	79		41 - 120				09/06/23 08:45	09/07/23 19:14	1
2-Fluorobiphenyl (Surr)	73		48 - 120				09/06/23 08:45	09/07/23 19:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.050	U	0.050	0.0092	ug/L		09/01/23 15:51	09/05/23 14:53	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		09/01/23 15:51	09/05/23 14:53	1
4,4'-DDT	0.050	U	0.050	0.011	ug/L		09/01/23 15:51	09/05/23 14:53	1
Aldrin	0.050	U	0.050	0.0081	ug/L		09/01/23 15:51	09/05/23 14:53	1
alpha-BHC	0.050	U	0.050	0.0077	ug/L		09/01/23 15:51	09/05/23 14:53	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		09/01/23 15:51	09/05/23 14:53	1
beta-BHC	0.050	U	0.050	0.025	ug/L		09/01/23 15:51	09/05/23 14:53	1
delta-BHC	0.050	U	0.050	0.010	ug/L		09/01/23 15:51	09/05/23 14:53	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		09/01/23 15:51	09/05/23 14:53	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		09/01/23 15:51	09/05/23 14:53	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		09/01/23 15:51	09/05/23 14:53	1
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		09/01/23 15:51	09/05/23 14:53	1
Endrin	0.050	U	0.050	0.014	ug/L		09/01/23 15:51	09/05/23 14:53	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0080	ug/L		09/01/23 15:51	09/05/23 14:53	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		09/01/23 15:51	09/05/23 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	44		20 - 120				09/01/23 15:51	09/05/23 14:53	1
DCB Decachlorobiphenyl	31		20 - 120				09/01/23 15:51	09/05/23 14:53	1
Tetrachloro-m-xylene	46		44 - 120				09/01/23 15:51	09/05/23 14:53	1

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Job ID: 480-212326-1

09/01/23 15:51 09/05/23 14:53

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

**Client Sample ID: MW-2** Lab Sample ID: 480-212326-14

Date Collected: 08/31/23 13:30 **Matrix: Water** 

Date Received: 08/31/23 15:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0060	U	0.0060	0.0017	mg/L		09/05/23 08:21	09/05/23 23:45	1
Arsenic	0.031		0.015	0.0056	mg/L		09/05/23 08:21	09/05/23 23:45	1
Barium	0.81		0.0020	0.00070	mg/L		09/05/23 08:21	09/05/23 23:45	1
Beryllium	0.0017	J	0.0020	0.00030	mg/L		09/05/23 08:21	09/05/23 23:45	1
Cadmium	0.0020	U	0.0020	0.00050	mg/L		09/05/23 08:21	09/05/23 23:45	1
Chromium	0.043		0.0040	0.0010	mg/L		09/05/23 08:21	09/05/23 23:45	1
Copper	0.096		0.010	0.0016	mg/L		09/05/23 08:21	09/05/23 23:45	1
Manganese	3.0		0.0030	0.00040	mg/L		09/05/23 08:21	09/05/23 23:45	1
Nickel	0.076		0.010	0.0013	mg/L		09/05/23 08:21	09/05/23 23:45	1
Lead	0.15		0.050	0.015	mg/L		09/05/23 08:21	09/06/23 21:36	5
Selenium	0.025	U	0.025	0.0087	mg/L		09/05/23 08:21	09/05/23 23:45	1
Zinc	0.17		0.010	0.0015	mg/L		09/05/23 08:21	09/05/23 23:45	1
Method: SW846 7470	A - Mercury (CVAA)								
Analyte	• • •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0012	U	0.0012	0.00026	mg/L		09/06/23 11:17	09/06/23 16:07	1

Project/Site: 166 E 4th Street, Dunkirk, NY

Method: 8260C - Volatile Organic Compounds by GC/MS

**Matrix: Solid** Prep Type: Total/NA

			Pe	ercent Surre	ogate Reco
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-212326-1	BH-1 1-2	105	100	101	100
480-212326-2	BH-2 1-2	107	96	106	99
480-212326-3	BH-3 1-2.5	109	100	105	99
480-212326-4	BH-5 1-2	107	99	102	99
480-212326-5	BH-6 1-3	107	97	105	100
480-212326-6	BH-7 1-2.5	105	101	105	99
480-212326-7	BH-8 1-2	106	97	109	101
480-212326-8	BH-9 1-2	107	98	106	101
480-212326-9	BH-10 1-2	109	98	107	99
480-212326-10	BH-11 1-2	108	101	107	99
480-212326-11	BH-12 1-2	109	97	105	99
480-212326-12	BH-13 1-3	108	98	107	100
LCS 480-682410/1-A	Lab Control Sample	102	97	99	100
MB 480-682410/2-A	Method Blank	101	98	100	100

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

**Matrix: Water** Prep Type: Total/NA

			Pe	ercent Surre	ogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-212326-13	MW-1	101	95	99	101
480-212326-14	MW-2	104	94	98	99
LCS 480-682676/6	Lab Control Sample	99	98	99	102
MB 480-682676/8	Method Blank	101	98	100	101

**Surrogate Legend** 

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Matrix: Solid** Prep Type: Total/NA

_			Pe	ercent Surre	ogate Reco	very (Accer	otance Limits
		ТВР	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(54-120)	(60-120)	(52-120)	(53-120)	(54-120)	(79-130)
480-212326-1	BH-1 1-2	86	90	78	82	87	102
480-212326-1 MS	BH-1 1-2	104	96	82	87	92	103
480-212326-1 MSD	BH-1 1-2	101	95	82	87	95	107
480-212326-2	BH-2 1-2	82	91	74	81	82	98
480-212326-3	BH-3 1-2.5	90	98	82	92	94	113
480-212326-4	BH-5 1-2	91	91	82	87	89	105
480-212326-5	BH-6 1-3	100	100	90	97	88	93

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Project/Site: 166 E 4th Street, Dunkirk, NY

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Matrix: Solid** Prep Type: Total/NA

			Pe	rcent Surro	ogate Reco	very (Accer	otance Lim
		ТВР	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(54-120)	(60-120)	(52-120)	(53-120)	(54-120)	(79-130)
30-212326-6	BH-7 1-2.5	93	89	81	81	87	101
0-212326-7	BH-8 1-2	85	100	95	96	96	107
0-212326-8	BH-9 1-2	98	98	92	95	94	101
0-212326-9	BH-10 1-2	87	65	53	55	60	83
-212326-10	BH-11 1-2	107	104	103	103	106	114
-212326-11	BH-12 1-2	76	77	69	63	92	91
-212326-12	BH-13 1-3	75	91	83	89	91	103
S 480-682295/2-A	Lab Control Sample	104	97	83	96	86	101
3 480-682295/1-A	Method Blank	83	89	84	89	84	99

#### Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

#### Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Matrix: Water** Prep Type: Total/NA

_			Pe	ercent Surre	ogate Reco	very (Accer	otance Lim
		NBZ	TPHd14	PHL	2FP	TBP	FBP
Lab Sample ID	Client Sample ID	(46-120)	(60-148)	(22-120)	(35-120)	(41-120)	(48-120)
480-212326-13	MW-1	73	52 S1-	46	64	88	83
480-212326-14	MW-2	64	51 S1-	40	59	79	73
LCS 480-682436/2-A	Lab Control Sample	79	90	53	68	85	83
MB 480-682436/1-A	Method Blank	76	101	48	69	68	88

#### **Surrogate Legend**

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

PHL = Phenol-d5 (Surr)

2FP = 2-Fluorophenol (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

#### Method: 8081B - Organochlorine Pesticides (GC)

**Matrix: Solid** Prep Type: Total/NA

			Pe	ercent Surre	ogate Reco
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(45-120)	(45-120)	(30-124)	(30-124)
480-212326-1	BH-1 1-2	112	666 S1+	0 S1-	0 S1-
480-212326-2	BH-2 1-2	0 S1-	0 S1-	0 S1-	0 S1-
480-212326-2 MS	BH-2 1-2	0 S1-	0 S1-	0 S1-	0 S1-
480-212326-2 MSD	BH-2 1-2	0 S1-	0 S1-	0 S1-	0 S1-
480-212326-3	BH-3 1-2.5	115	223 S1+	64	97
480-212326-4	BH-5 1-2	109	164 S1+	62	92
480-212326-5	BH-6 1-3	80	89	68	86
480-212326-6	BH-7 1-2.5	106	164 S1+	60	83
480-212326-7	BH-8 1-2	100	123 S1+	64	69

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### **Surrogate Summary**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

**Matrix: Solid** Prep Type: Total/NA

			Percent Surrogate Recovery					
		DCBP1	DCBP2	TCX1	TCX2			
Lab Sample ID	Client Sample ID	(45-120)	(45-120)	(30-124)	(30-124)			
480-212326-8	BH-9 1-2	91	91	75	77			
480-212326-9	BH-10 1-2	123 S1+	145 S1+	66	88			
480-212326-10	BH-11 1-2	101	96	78	83			
480-212326-11	BH-12 1-2	115	175 S1+	0 S1-	0 S1-			
480-212326-12	BH-13 1-3	95	97	58	78			
LCS 480-682403/2-A	Lab Control Sample	101	102	67	69			
MB 480-682403/1-A	Method Blank	96	86	66	70			

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

**Matrix: Water** Prep Type: Total/NA

			Pe	ercent Surre	ogate Rec
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(20-120)	(20-120)	(44-120)	(44-120)
480-212326-13	MW-1	36	32	46	50
480-212326-14	MW-2	44	31	46	51
LCS 480-682226/2-A	Lab Control Sample	72	57	71	77
LCSD 480-682226/3-A	Lab Control Sample Dup	63	54	70	75
MB 480-682226/1-A	Method Blank	66	53	69	73

**Surrogate Legend** 

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

**Eurofins Buffalo** 

Project/Site: 166 E 4th Street, Dunkirk, NY

### Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-682410/2-A

**Matrix: Solid** 

**Analysis Batch: 682411** 

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 682410

Job ID: 480-212326-1

MB MB Result Qualifier RL **MDL** Unit Dil Fac Analyte **Prepared** Analyzed 1,1,1-Trichloroethane 5.0 U 5.0 0.36 ug/Kg 09/05/23 17:19 09/05/23 20:33 1,1-Dichloroethane 5.0 U 5.0 0.61 ug/Kg 09/05/23 17:19 09/05/23 20:33 1 09/05/23 17:19 09/05/23 20:33 5.0 U 5.0 1,1-Dichloroethene 0.61 ug/Kg 1 1,2,4-Trimethylbenzene 5.0 U 5.0 0.96 ug/Kg 09/05/23 17:19 09/05/23 20:33 1,2-Dichlorobenzene 50 U 5.0 0.39 ug/Kg 09/05/23 17:19 09/05/23 20:33 5.0 09/05/23 17:19 09/05/23 20:33 1,2-Dichloroethane 50 U 0.25 ug/Kg 09/05/23 17:19 09/05/23 20:33 5.0 U 5.0 1,3,5-Trimethylbenzene 0.32 ug/Kg 1,3-Dichlorobenzene 5.0 U 5.0 0.26 ug/Kg 09/05/23 17:19 09/05/23 20:33 09/05/23 17:19 09/05/23 20:33 1,4-Dichlorobenzene 50 U 5.0 0.70 ug/Kg 1,4-Dioxane 100 U 100 22 09/05/23 17:19 09/05/23 20:33 ug/Kg 2-Butanone (MEK) 25 U 25 1.8 ug/Kg 09/05/23 17:19 09/05/23 20:33 Acetone 25 U 25 4.2 ug/Kg 09/05/23 17:19 09/05/23 20:33 Benzene 5.0 U 5.0 09/05/23 17:19 09/05/23 20:33 0.25 ug/Kg Carbon tetrachloride 5.0 U 5.0 0.48 ug/Kg 09/05/23 17:19 09/05/23 20:33 Chlorobenzene 5.0 U 5.0 0.66 ug/Kg 09/05/23 17:19 09/05/23 20:33 5.0 U 5.0 09/05/23 17:19 09/05/23 20:33 Chloroform 0.31 ug/Kg 09/05/23 17:19 09/05/23 20:33 cis-1,2-Dichloroethene 5.0 U 5.0 0.64 ug/Kg 09/05/23 17:19 09/05/23 20:33 Ethylbenzene 5.0 U 5.0 0.35 ug/Kg 09/05/23 17:19 09/05/23 20:33 Methyl tert-butyl ether 50 U 5.0 0.49 ug/Kg Methylene Chloride 5.0 U 5.0 09/05/23 17:19 09/05/23 20:33 2.3 ug/Kg n-Butylbenzene 5.0 09/05/23 17:19 09/05/23 20:33 5.0 U 0.44 ug/Kg N-Propylbenzene 50 U 5.0 0.40 ug/Kg 09/05/23 17:19 09/05/23 20:33 sec-Butylbenzene 5.0 U 5.0 0.44 ug/Kg 09/05/23 17:19 09/05/23 20:33 Tetrachloroethene 5.0 U 5.0 09/05/23 17:19 09/05/23 20:33 0.67 ug/Kg Toluene 5.0 U 5.0 0.38 ug/Kg 09/05/23 17:19 09/05/23 20:33 0.52 ug/Kg trans-1.2-Dichloroethene 5.0 U 5.0 09/05/23 17:19 09/05/23 20:33 Trichloroethene 5.0 U 5.0 1.1 ug/Kg 09/05/23 17:19 09/05/23 20:33 tert-Butylbenzene 5.0 U 5.0 0.52 ug/Kg 09/05/23 17:19 09/05/23 20:33 Vinyl chloride 50 U 5.0 0.61 ug/Kg 09/05/23 17:19 09/05/23 20:33 Xylenes, Total 10 U 10 0.84 ug/Kg 09/05/23 17:19 09/05/23 20:33 MB MB

Tentatively Identified Compound	Est. Result Qual	ifier Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None	ug/Kg			N/A	09/05/23 17:19	09/05/23 20:33	1

	MB ME	В			
Surrogate	%Recovery Qu	ualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101	64 - 126	09/05/23 17:19	09/05/23 20:33	1
4-Bromofluorobenzene (Surr)	98	72 - 126	09/05/23 17:19	09/05/23 20:33	1
Toluene-d8 (Surr)	100	71 - 125	09/05/23 17:19	09/05/23 20:33	1
Dibromofluoromethane (Surr)	100	60 - 140	09/05/23 17:19	09/05/23 20:33	1

Lab Sample ID: LCS 480-682410/1-A

**Matrix: Solid** 

**Analysis Batch: 682411** 

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 682410

	<b>Spike</b>	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1,1-Trichloroethane	50.0	48.6		ug/Kg		97	77 - 121	
1,1-Dichloroethane	50.0	46.1		ug/Kg		92	73 - 126	
1,1-Dichloroethene	50.0	45.8		ug/Kg		92	59 - 125	

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### **QC Sample Results**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-682410/1-A

**Matrix: Solid** 

**Analysis Batch: 682411** 

<b>Client Sample</b>	ID:	Lab	<b>Contro</b>	I Samp	ole
		D	- T	T-4-1/1	

Prep '	Type: Total/NA
Prep	Batch: 682410
%Rec	

Analysis Batch. 002411	Spike	LCS	LCS		%Rec
Analyte	Added		Qualifier Unit	D %Rec	Limits
1,2,4-Trimethylbenzene	50.0	46.9	ug/Kg	94	74 - 120
1,2-Dichlorobenzene	50.0	45.8	ug/Kg	92	75 - 120
1,2-Dichloroethane	50.0	46.6	ug/Kg	93	77 - 122
1,3,5-Trimethylbenzene	50.0	47.3	ug/Kg	95	74 - 120
1,3-Dichlorobenzene	50.0	45.7	ug/Kg	91	74 - 120
1,4-Dichlorobenzene	50.0	44.9	ug/Kg	90	73 - 120
1,4-Dioxane	1000	1100	ug/Kg	110	64 - 124
2-Butanone (MEK)	250	273	ug/Kg	109	70 - 134
Acetone	250	269	ug/Kg	107	61 - 137
Benzene	50.0	45.8	ug/Kg	92	79 - 127
Carbon tetrachloride	50.0	53.1	ug/Kg	106	75 - 135
Chlorobenzene	50.0	46.0	ug/Kg	92	76 - 124
Chloroform	50.0	45.4	ug/Kg	91	80 - 120
cis-1,2-Dichloroethene	50.0	45.9	ug/Kg	92	81 - 120
Ethylbenzene	50.0	45.8	ug/Kg	92	80 - 120
Methyl tert-butyl ether	50.0	46.8	ug/Kg	94	63 - 125
Methylene Chloride	50.0	47.1	ug/Kg	94	61 - 127
n-Butylbenzene	50.0	47.4	ug/Kg	95	70 - 120
N-Propylbenzene	50.0	47.0	ug/Kg	94	70 - 130
sec-Butylbenzene	50.0	47.0	ug/Kg	94	74 - 120
Tetrachloroethene	50.0	44.9	ug/Kg	90	74 - 122
Toluene	50.0	46.1	ug/Kg	92	74 - 128
trans-1,2-Dichloroethene	50.0	45.7	ug/Kg	91	78 <sub>-</sub> 126
Trichloroethene	50.0	45.3	ug/Kg	91	77 - 129
tert-Butylbenzene	50.0	47.8	ug/Kg	96	73 - 120
Vinyl chloride	50.0	48.2	ug/Kg	96	61 - 133
Xylenes, Total	100	92.5	ug/Kg	93	70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
4-Bromofluorobenzene (Surr)	97		72 - 126
Toluene-d8 (Surr)	100		71 - 125
Dibromofluoromethane (Surr)	99		60 - 140

Lab Sample ID: MB 480-682676/8

**Matrix: Water** 

Analysis Batch: 682676

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/07/23 16:08	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/07/23 16:08	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/07/23 16:08	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			09/07/23 16:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/07/23 16:08	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/07/23 16:08	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			09/07/23 16:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/07/23 16:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/07/23 16:08	1

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Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-682676/8 **Client Sample ID: Method Blank** 

**Matrix: Water** 

**Analysis Batch: 682676** 

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	40	U	40	9.3	ug/L			09/07/23 16:08	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/07/23 16:08	1
Acetone	10	U	10	3.0	ug/L			09/07/23 16:08	1
Benzene	1.0	U	1.0	0.41	ug/L			09/07/23 16:08	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/07/23 16:08	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/07/23 16:08	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/07/23 16:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/07/23 16:08	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/07/23 16:08	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/07/23 16:08	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/07/23 16:08	1
n-Butylbenzene	1.0	U	1.0	0.64	ug/L			09/07/23 16:08	1
N-Propylbenzene	1.0	U	1.0	0.69	ug/L			09/07/23 16:08	1
sec-Butylbenzene	1.0	U	1.0	0.75	ug/L			09/07/23 16:08	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/07/23 16:08	1
Toluene	1.0	U	1.0	0.51	ug/L			09/07/23 16:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/07/23 16:08	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/07/23 16:08	1
tert-Butylbenzene	1.0	U	1.0	0.81	ug/L			09/07/23 16:08	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/07/23 16:08	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/07/23 16:08	1

MB MB Tentatively Identified Compound Est. Result Qualifier Unit RT CAS No. Prepared Analyzed Dil Fac Tentatively Identified Compound None ug/L N/A 09/07/23 16:08

	MB MB				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101	77 - 120		09/07/23 16:08	1
4-Bromofluorobenzene (Surr)	98	73 - 120		09/07/23 16:08	1
Toluene-d8 (Surr)	100	80 - 120		09/07/23 16:08	1
Dibromofluoromethane (Surr)	101	75 - 123		09/07/23 16:08	1

Lab Sample ID: LCS 480-682676/6

**Matrix: Water** 

Analysis Batch: 682676

Analysis Batch: 662676	Spike	LCS	LCS				%Rec
Analyte	Added		Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	25.0	26.4		ug/L		106	73 - 126
1,1-Dichloroethane	25.0	25.4		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	25.3		ug/L		101	66 - 127
1,2,4-Trimethylbenzene	25.0	25.5		ug/L		102	76 - 121
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	24.7		ug/L		99	75 - 120
1,3,5-Trimethylbenzene	25.0	26.2		ug/L		105	77 - 121
1,3-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 120
1,4-Dioxane	500	643		ug/L		129	50 - 150
2-Butanone (MEK)	125	132		ug/L		105	57 - 140
Acetone	125	155		ug/L		124	56 - 142

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

LCS LCS

24.8

26.2

27.2

50.0

ug/L

ug/L

ug/L

ug/L

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

### Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-682676/6

**Matrix: Water** 

**Analysis Batch: 682676** 

**Client Sample ID: Lab Control Sample** 

99

105

109

100

74 - 123

75 - 123

65 - 133

76 - 122

%Rec

**Prep Type: Total/NA** 

Analyte Added Result Qualifier Unit %Rec Limits Benzene 25.0 24.9 99 71 - 124 ug/L Carbon tetrachloride 25.0 25.9 ug/L 104 72 - 134 Chlorobenzene 25.0 25.0 ug/L 100 80 - 120 Chloroform 25.0 24.7 ug/L 99 73 - 127 cis-1,2-Dichloroethene 25.0 25.2 101 74 - 124 ug/L Ethylbenzene 25.0 25.6 ug/L 102 77 - 123Methyl tert-butyl ether 25.0 24.4 ug/L 97 77 - 120 25.0 96 Methylene Chloride 24.1 ug/L 75 - 124 106 n-Butylbenzene 25.0 26.4 ug/L 71 - 128 N-Propylbenzene 25.0 106 75 - 127 26.4 ug/L sec-Butylbenzene 25.0 26.5 106 74 - 127 ug/L Tetrachloroethene 102 25.0 25.4 ug/L 74 - 122 Toluene 25.0 25.2 101 80 - 122 ug/L trans-1,2-Dichloroethene 25.0 25.0 ug/L 100 73 - 127

25.0

25.0

25.0

50.0

Spike

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	102		75 - 123

### Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-682295/1-A

**Matrix: Solid** 

Trichloroethene

Vinyl chloride

Xylenes, Total

tert-Butylbenzene

**Analysis Batch: 682460** 

**Client Sample ID: Method Blank** Prep Type: Total/NA Prep Batch: 682295

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	99	U	99	54	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
2-Methylphenol	170	U	170	20	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
3-Methylphenol	330	U	330	26	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
4-Methylphenol	330	U	330	20	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Acenaphthene	170	U	170	25	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Acenaphthylene	170	U	170	22	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Anthracene	170	U	170	42	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Chrysene	170	U	170	38	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Dibenzofuran	170	U	170	20	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Fluoranthene	170	U	170	18	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Fluorene	170	U	170	20	ug/Kg		09/05/23 08:47	09/06/23 12:59	1

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Project/Site: 166 E 4th Street, Dunkirk, NY

### Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-682295/1-A

**Matrix: Solid** 

**Analysis Batch: 682460** 

Client Sample ID: Method Blank

**Prep Type: Total/NA** 

Job ID: 480-212326-1

**Prep Batch: 682295** 

MB	MB						•	
Analyte Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene 170	U	170	23	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Indeno[1,2,3-cd]pyrene 170	U	170	21	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Naphthalene 170	U	170	22	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Pentachlorophenol 330	U	330	170	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Phenanthrene 170	U	170	25	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Phenol 170	U	170	26	ug/Kg		09/05/23 08:47	09/06/23 12:59	1
Pyrene 170	U	170	20	ug/Kg		09/05/23 08:47	09/06/23 12:59	1

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fa	30
Surrogate /ntecovery Qualifier Liftits Frepared Attaiyzed Differ	40
Nitrobenzene-d5 (Surr) 89 53 - 120 09/05/23 08:47 09/06/23 12:59	1
2-Fluorophenol (Surr) 84 52 - 120 09/05/23 08:47 09/06/23 12:59	1
Phenol-d5 (Surr) 84 54 - 120 09/05/23 08:47 09/06/23 12:59	1
2,4,6-Tribromophenol (Surr) 83 54 - 120 09/05/23 08:47 09/06/23 12:59	1
p-Terphenyl-d14 (Surr) 99 79 - 130 09/05/23 08:47 09/06/23 12:59	1
2-Fluorobiphenyl (Surr) 89 60 - 120 09/05/23 08:47 09/06/23 12:59	1

Lab Sample ID: LCS 480-682295/2-A

**Matrix: Solid** 

**Analysis Batch: 682460** 

**Client Sample ID: Lab Control Sample** 

**Prep Type: Total/NA** 

Prep Batch: 682295

satcn:	002295	

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,4-Dioxane	1650	947		ug/Kg		57	23 - 120	
2-Methylphenol	1650	1370		ug/Kg		83	54 - 120	
3-Methylphenol	1650	1420		ug/Kg		86	55 - 120	
4-Methylphenol	1650	1420		ug/Kg		86	55 - 120	
Acenaphthene	1650	1590		ug/Kg		96	62 _ 120	
Acenaphthylene	1650	1680		ug/Kg		102	58 - 121	
Anthracene	1650	1630		ug/Kg		99	62 - 120	
Benzo[a]anthracene	1650	1640		ug/Kg		99	65 - 120	
Benzo[a]pyrene	1650	1800		ug/Kg		109	64 - 120	
Benzo[b]fluoranthene	1650	1680		ug/Kg		102	64 - 120	
Benzo[g,h,i]perylene	1650	1670		ug/Kg		101	45 - 145	
Benzo[k]fluoranthene	1650	1630		ug/Kg		98	65 _ 120	
Chrysene	1650	1700		ug/Kg		103	64 - 120	
Dibenz(a,h)anthracene	1650	1700		ug/Kg		103	54 - 132	
Dibenzofuran	1650	1560		ug/Kg		94	63 - 120	
Fluoranthene	1650	1630		ug/Kg		99	62 - 120	
Fluorene	1650	1550		ug/Kg		94	63 - 120	
Hexachlorobenzene	1650	1740		ug/Kg		105	60 - 120	
Indeno[1,2,3-cd]pyrene	1650	1710		ug/Kg		103	56 - 134	
Naphthalene	1650	1410		ug/Kg		85	55 - 120	
Pentachlorophenol	3310	3120		ug/Kg		94	51 - 120	
Phenanthrene	1650	1640		ug/Kg		99	60 - 120	
Phenol	1650	1380		ug/Kg		83	53 - 120	
Pyrene	1650	1660		ug/Kg		101	61 - 133	

LCS LCS

Surrogate %Recovery Qualifier Limits Nitrobenzene-d5 (Surr) 96 53 - 120

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9/13/2023

### **QC Sample Results**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Client Sample ID: Lab Control Sample** 

**Prep Type: Total/NA** 

**Prep Batch: 682295** 

Job ID: 480-212326-1

# Lab Sample ID: LCS 480-682295/2-A

**Matrix: Solid** 

**Analysis Batch: 682460** 

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
2-Fluorophenol (Surr)	83		52 - 120
Phenol-d5 (Surr)	86		54 - 120
2,4,6-Tribromophenol (Surr)	104		54 - 120
p-Terphenyl-d14 (Surr)	101		79 - 130
2-Fluorobiphenyl (Surr)	97		60 - 120

Lab Sample ID: 480-212326-1 MS **Matrix: Solid** 

**Analysis Batch: 682460** 

Client Sample ID: BH-1 1-2 **Prep Type: Total/NA** 

**Prep Batch: 682295** 

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,4-Dioxane	1100	U	1820	1080	J	ug/Kg	<u></u>	59	13 - 120	_
2-Methylphenol	1900	U	1820	1660	J	ug/Kg	≎	91	48 - 120	
3-Methylphenol	3600	U	1820	1590	J	ug/Kg	₩	87	50 - 120	
4-Methylphenol	3600	U	1820	1590	J	ug/Kg	☆	87	50 - 120	
Acenaphthene	1900	U	1820	1820	J	ug/Kg	≎	100	60 - 120	
Acenaphthylene	1200	J F1	1820	2190	F1	ug/Kg	☆	54	58 - 121	
Anthracene	1200	J F1	1820	2030	F1	ug/Kg	☆	45	62 - 120	
Benzo[a]anthracene	4300	F1	1820	2970	F1	ug/Kg	☆	-73	65 - 120	
Benzo[a]pyrene	4800	F1	1820	3220	F1	ug/Kg	☆	12	64 - 120	
Benzo[b]fluoranthene	5400	F2 F1	1820	3540	F1	ug/Kg	☆	-102	10 - 150	
Benzo[g,h,i]perylene	3400	F1	1820	2490	F1	ug/Kg	☆	-51	45 - 145	
Benzo[k]fluoranthene	2700	F1	1820	2320	F1	ug/Kg	₩	-23	23 - 150	
Chrysene	4200	F1	1820	2920	F1	ug/Kg	☆	-68	64 - 120	
Dibenz(a,h)anthracene	1900	U	1820	1980		ug/Kg	☆	109	54 - 132	
Dibenzofuran	1900	U	1820	1910		ug/Kg	☆	105	62 - 120	
Fluoranthene	11000		1820	4820	4	ug/Kg	☆	-352	62 - 120	
Fluorene	430	J	1820	1980		ug/Kg	☆	85	63 - 120	
Hexachlorobenzene	1900	U	1820	1840	J	ug/Kg	☆	101	60 - 120	
Indeno[1,2,3-cd]pyrene	2900	F1	1820	2480	F1	ug/Kg	☆	-23	56 - 134	
Naphthalene	1900	U	1820	1630	J	ug/Kg	≎	90	46 - 120	
Pentachlorophenol	3600	U	3640	3640		ug/Kg	☼	100	25 - 136	
Phenanthrene	5700	F1	1820	3380	F1	ug/Kg	₽	-126	60 - 122	
Phenol	1900	U	1820	1600	J	ug/Kg	≎	88	50 - 120	
Pyrene	8000		1820	4170	4	ug/Kg	₽	-211	61 - 133	

MS MS

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5 (Surr)	87		53 - 120
2-Fluorophenol (Surr)	82		52 - 120
Phenol-d5 (Surr)	92		54 - 120
2,4,6-Tribromophenol (Surr)	104		54 - 120
p-Terphenyl-d14 (Surr)	103		79 - 130
2-Fluorobiphenyl (Surr)	96		60 - 120

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Project/Site: 166 E 4th Street, Dunkirk, NY

### Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-212326-1 MSD

**Matrix: Solid** 

Analysis Batch: 682460

Client Sample ID: BH-1 1-2 **Prep Type: Total/NA** 

**Prep Batch: 682295** 

Job ID: 480-212326-1

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,4-Dioxane	1100	U	1820	910	J	ug/Kg	<u></u>	50	13 - 120	17	50
2-Methylphenol	1900	U	1820	1760	J	ug/Kg	₩	96	48 - 120	6	27
3-Methylphenol	3600	U	1820	1830	J	ug/Kg	₩	100	50 - 120	14	24
4-Methylphenol	3600	U	1820	1830	J	ug/Kg	₩	100	50 - 120	14	24
Acenaphthene	1900	U	1820	1920		ug/Kg	₩	105	60 - 120	5	35
Acenaphthylene	1200	JF1	1820	2100	F1	ug/Kg	₩	49	58 - 121	4	18
Anthracene	1200	JF1	1820	2120	F1	ug/Kg	₩	50	62 - 120	4	15
Benzo[a]anthracene	4300	F1	1820	2730	F1	ug/Kg	₩	-86	65 - 120	8	15
Benzo[a]pyrene	4800	F1	1820	3080	F1	ug/Kg	₩	4	64 - 120	5	15
Benzo[b]fluoranthene	5400	F2 F1	1820	2760	F2 F1	ug/Kg	₩	-144	10 - 150	25	15
Benzo[g,h,i]perylene	3400	F1	1820	2450	F1	ug/Kg	₩	-53	45 - 145	2	15
Benzo[k]fluoranthene	2700	F1	1820	2740	F1	ug/Kg	₩	-0.4	23 - 150	17	22
Chrysene	4200	F1	1820	2890	F1	ug/Kg	₩	-70	64 - 120	1	15
Dibenz(a,h)anthracene	1900	U	1820	2070		ug/Kg	₩	113	54 - 132	5	15
Dibenzofuran	1900	U	1820	1930		ug/Kg	₩	106	62 - 120	1	15
Fluoranthene	11000		1820	4210	4	ug/Kg	₩	-384	62 - 120	13	15
Fluorene	430	J	1820	1970		ug/Kg	₩	84	63 - 120	1	15
Hexachlorobenzene	1900	U	1820	1950		ug/Kg	₩	107	60 - 120	6	15
Indeno[1,2,3-cd]pyrene	2900	F1	1820	2380	F1	ug/Kg	₩	-29	56 - 134	4	15
Naphthalene	1900	U	1820	1640	J	ug/Kg	₩	90	46 - 120	0	29
Pentachlorophenol	3600	U	3650	3310	J	ug/Kg	₩	91	25 - 136	9	35
Phenanthrene	5700	F1	1820	3150	F1	ug/Kg	₩	-138	60 - 122	7	15
Phenol	1900	U	1820	1600	J	ug/Kg	₩	88	50 - 120	0	35
Pyrene	8000		1820	3660	4	ug/Kg	₩	-238	61 - 133	13	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5 (Surr)	87		53 - 120
2-Fluorophenol (Surr)	82		52 - 120
Phenol-d5 (Surr)	95		54 - 120
2,4,6-Tribromophenol (Surr)	101		54 - 120
p-Terphenyl-d14 (Surr)	107		79 - 130
2-Fluorobiphenyl (Surr)	95		60 - 120

Lab Sample ID: MB 480-682436/1-A

**Matrix: Water** 

**Analysis Batch: 682620** 

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 682436

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		09/06/23 08:45	09/07/23 14:37	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		09/06/23 08:45	09/07/23 14:37	1
3-Methylphenol	10	U	10	0.40	ug/L		09/06/23 08:45	09/07/23 14:37	1
4-Methylphenol	10	U	10	0.36	ug/L		09/06/23 08:45	09/07/23 14:37	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		09/06/23 08:45	09/07/23 14:37	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		09/06/23 08:45	09/07/23 14:37	1
Anthracene	5.0	U	5.0	0.28	ug/L		09/06/23 08:45	09/07/23 14:37	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		09/06/23 08:45	09/07/23 14:37	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		09/06/23 08:45	09/07/23 14:37	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		09/06/23 08:45	09/07/23 14:37	1

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Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

#### Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-682436/1-A

**Matrix: Water** 

**Analysis Batch: 682620** 

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

Prep Batch: 682436

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		09/06/23 08:45	09/07/23 14:37	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		09/06/23 08:45	09/07/23 14:37	1
Chrysene	5.0	U	5.0	0.33	ug/L		09/06/23 08:45	09/07/23 14:37	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		09/06/23 08:45	09/07/23 14:37	1
Dibenzofuran	10	U	10	0.51	ug/L		09/06/23 08:45	09/07/23 14:37	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		09/06/23 08:45	09/07/23 14:37	1
Fluorene	5.0	U	5.0	0.36	ug/L		09/06/23 08:45	09/07/23 14:37	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		09/06/23 08:45	09/07/23 14:37	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		09/06/23 08:45	09/07/23 14:37	1
Naphthalene	5.0	U	5.0	0.76	ug/L		09/06/23 08:45	09/07/23 14:37	1
Pentachlorophenol	10	U	10	2.2	ug/L		09/06/23 08:45	09/07/23 14:37	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		09/06/23 08:45	09/07/23 14:37	1
Phenol	5.0	U	5.0	0.39	ug/L		09/06/23 08:45	09/07/23 14:37	1
Pyrene	5.0	U	5.0	0.34	ug/L		09/06/23 08:45	09/07/23 14:37	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	76	46 - 120	09/06/23 08:45	09/07/23 14:37	1
2-Fluorophenol (Surr)	69	35 - 120	09/06/23 08:45	09/07/23 14:37	1
Phenol-d5 (Surr)	48	22 - 120	09/06/23 08:45	09/07/23 14:37	1
2,4,6-Tribromophenol (Surr)	68	41 - 120	09/06/23 08:45	09/07/23 14:37	1
p-Terphenyl-d14 (Surr)	101	60 - 148	09/06/23 08:45	09/07/23 14:37	1
2-Fluorobiphenyl (Surr)	88	48 - 120	09/06/23 08:45	09/07/23 14:37	1

Lab Sample ID: LCS 480-682436/2-A

**Matrix: Water** 

Naphthalene

Analysis Batch: 682620

**Client Sample ID: Lab Control Sample** 

**Prep Type: Total/NA** Prep Batch: 682436

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 32.0 1,4-Dioxane 18.2 57 10 - 120 ug/L 2-Methylphenol 32.0 23.1 ug/L 72 39 - 120 3-Methylphenol 32.0 23.1 ug/L 72 39 - 120 4-Methylphenol 32.0 23.1 ug/L 72 29 - 131 32.0 26.8 Acenaphthene ug/L 84 60 - 120 Acenaphthylene 32.0 27.0 ug/L 85 63 - 120 Anthracene 32.0 27.8 ug/L 87 67 - 120 93 Benzo[a]anthracene 32.0 29.7 ug/L 70 - 121 Benzo[a]pyrene 32.0 29.4 ug/L 92 60 - 123 32.0 31.3 98 66 - 126 Benzo[b]fluoranthene ug/L 32.0 Benzo[g,h,i]perylene 27.8 ug/L 87 66 - 150 Benzo[k]fluoranthene 32.0 27.0 ug/L 84 65 - 124Chrysene 32.0 29.9 ug/L 94 69 - 120 32.0 27.1 85 Dibenz(a,h)anthracene ug/L 65 - 135 ug/L Dibenzofuran 32.0 26.9 84 66 - 120 32.0 Fluoranthene 28.5 ug/L 89 69 - 126 Fluorene 32.0 26.3 ug/L 82 66 - 120 32.0 26.5 ug/L 83 61 - 120 Hexachlorobenzene Indeno[1,2,3-cd]pyrene 32.0 28.3 ug/L 88 69 - 146

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25.7

ug/L

80

57 - 120

32.0

Project/Site: 166 E 4th Street, Dunkirk, NY

### Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-682436/2-A

**Matrix: Water** 

Analysis Batch: 682620

**Client Sample ID: Lab Control Sample** 

**Prep Type: Total/NA** 

Job ID: 480-212326-1

			Prep Batch: 682436
			%Rec
nit	D	%Rec	Limits
/1			00 400

Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Pentachlorophenol	64.0	53.5		ug/L		84	29 - 136	
Phenanthrene	32.0	28.0		ug/L		88	68 - 120	
Phenol	32.0	17.2		ug/L		54	17 - 120	
Pyrene	32.0	29.1		ug/L		91	70 - 125	

Spike

LCS LCS

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5 (Surr)	79		46 - 120
2-Fluorophenol (Surr)	68		35 - 120
Phenol-d5 (Surr)	53		22 - 120
2,4,6-Tribromophenol (Surr)	85		41 - 120
p-Terphenyl-d14 (Surr)	90		60 - 148
2-Fluorobiphenyl (Surr)	83		48 - 120

#### Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-682226/1-A

**Matrix: Water** 

Analysis Batch: 682270

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 682226

,a., 0.0 = a.c 00==. 0									
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.050	U	0.050	0.0092	ug/L		09/01/23 15:51	09/05/23 10:00	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		09/01/23 15:51	09/05/23 10:00	1
4,4'-DDT	0.050	U	0.050	0.011	ug/L		09/01/23 15:51	09/05/23 10:00	1
Aldrin	0.050	U	0.050	0.0081	ug/L		09/01/23 15:51	09/05/23 10:00	1
alpha-BHC	0.050	U	0.050	0.0077	ug/L		09/01/23 15:51	09/05/23 10:00	1
beta-BHC	0.050	U	0.050	0.025	ug/L		09/01/23 15:51	09/05/23 10:00	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		09/01/23 15:51	09/05/23 10:00	1
delta-BHC	0.050	U	0.050	0.010	ug/L		09/01/23 15:51	09/05/23 10:00	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		09/01/23 15:51	09/05/23 10:00	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		09/01/23 15:51	09/05/23 10:00	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		09/01/23 15:51	09/05/23 10:00	1
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		09/01/23 15:51	09/05/23 10:00	1
Endrin	0.050	U	0.050	0.014	ug/L		09/01/23 15:51	09/05/23 10:00	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0080	ug/L		09/01/23 15:51	09/05/23 10:00	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		09/01/23 15:51	09/05/23 10:00	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66	20 - 120	09/01/23 15:51	09/05/23 10:00	1
DCB Decachlorobiphenyl	53	20 - 120	09/01/23 15:51	09/05/23 10:00	1
Tetrachloro-m-xylene	69	44 - 120	09/01/23 15:51	09/05/23 10:00	1
Tetrachloro-m-xylene	73	44 - 120	09/01/23 15:51	09/05/23 10:00	1

Lab Sample ID: LCS 480-682226/2-A

**Matrix: Water** 

Analyte

4,4'-DDD

**Analysis Batch: 682270** 

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
<b>Prep Batch: 682226</b>

LCS LCS %Rec Spike Added Result Qualifier Unit D %Rec Limits 0.400 0.417 ug/L 104 64 - 129

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Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

# Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-682226/2-A

**Matrix: Water** 

**Analysis Batch: 682270** 

**Client Sample ID: Lab Control Sample** 

**Prep Type: Total/NA** 

Prep Batch: 682226 %Rec

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
4,4'-DDE	0.400	0.411		ug/L		103	50 - 120	
4,4'-DDT	0.400	0.401		ug/L		100	59 - 120	
Aldrin	0.400	0.384		ug/L		96	40 - 125	
alpha-BHC	0.400	0.351		ug/L		88	52 - 125	
beta-BHC	0.400	0.406		ug/L		101	51 - 120	
cis-Chlordane	0.400	0.393		ug/L		98	52 - 120	
delta-BHC	0.400	0.402		ug/L		100	51 - 120	
Dieldrin	0.400	0.447		ug/L		112	66 - 128	
Endosulfan I	0.400	0.431		ug/L		108	57 - 120	
Endosulfan II	0.400	0.433		ug/L		108	66 - 131	
Endosulfan sulfate	0.400	0.415		ug/L		104	66 - 136	
Endrin	0.400	0.428		ug/L		107	65 - 135	
gamma-BHC (Lindane)	0.400	0.397		ug/L		99	56 - 120	
Heptachlor	0.400	0.400		ug/L		100	58 - 120	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	72		20 - 120
DCB Decachlorobiphenyl	57		20 - 120
Tetrachloro-m-xylene	71		44 - 120
Tetrachloro-m-xylene	77		44 - 120

**Client Sample ID: Lab Control Sample Dup** 

Lab Sample ID: LCSD 480-682226/3-A **Matrix: Water** Prep Type: Total/NA Analysis Batch: 682270 Prep Batch: 682226

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
4,4'-DDD	0.400	0.416		ug/L		104	64 - 129	0	23
4,4'-DDE	0.400	0.410		ug/L		102	50 - 120	0	22
4,4'-DDT	0.400	0.398		ug/L		100	59 - 120	1	24
Aldrin	0.400	0.390		ug/L		97	40 - 125	2	25
alpha-BHC	0.400	0.357		ug/L		89	52 - 125	2	24
beta-BHC	0.400	0.401		ug/L		100	51 - 120	1	24
cis-Chlordane	0.400	0.406		ug/L		102	52 - 120	3	23
delta-BHC	0.400	0.404		ug/L		101	51 - 120	0	24
Dieldrin	0.400	0.446		ug/L		111	66 - 128	0	24
Endosulfan I	0.400	0.430		ug/L		107	57 - 120	0	30
Endosulfan II	0.400	0.428		ug/L		107	66 - 131	1	40
Endosulfan sulfate	0.400	0.398		ug/L		100	66 - 136	4	24
Endrin	0.400	0.426		ug/L		106	65 - 135	1	24
gamma-BHC (Lindane)	0.400	0.403		ug/L		101	56 - 120	1	24
Heptachlor	0.400	0.399		ug/L		100	58 - 120	0	25

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	63		20 - 120
DCB Decachlorobiphenyl	54		20 - 120
Tetrachloro-m-xylene	70		44 - 120
Tetrachloro-m-xylene	75		44 - 120

**Eurofins Buffalo** 

9/13/2023

Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

# Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-682403/1-A

**Matrix: Solid** 

**Analysis Batch: 682428** 

**Client Sample ID: Method Blank** 

**Prep Type: Total/NA** 

**Prep Batch: 682403** 

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.6	U	1.6	0.32	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
4,4'-DDE	1.6	U	1.6	0.34	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
4,4'-DDT	1.6	U	1.6	0.38	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
Aldrin	1.6	U	1.6	0.40	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
alpha-BHC	1.6	U	1.6	0.29	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
beta-BHC	1.6	U	1.6	0.29	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
cis-Chlordane	1.6	U	1.6	0.81	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
delta-BHC	1.6	U	1.6	0.30	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
Dieldrin	1.6	U	1.6	0.39	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
Endosulfan I	1.6	U	1.6	0.31	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
Endosulfan II	1.6	U	1.6	0.29	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
Endosulfan sulfate	1.6	U	1.6	0.30	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
Endrin	1.6	U	1.6	0.32	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
gamma-BHC (Lindane)	1.6	U	1.6	0.30	ug/Kg		09/05/23 16:04	09/06/23 09:44	1
Heptachlor	1.6	U	1.6	0.35	ug/Kg		09/05/23 16:04	09/06/23 09:44	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	96		45 - 120	09/05/23 16:04	09/06/23 09:44	1
DCB Decachlorobiphenyl	86		45 - 120	09/05/23 16:04	09/06/23 09:44	1
Tetrachloro-m-xylene	66		30 - 124	09/05/23 16:04	09/06/23 09:44	1
Tetrachloro-m-xylene	70		30 - 124	09/05/23 16:04	09/06/23 09:44	1

Lab Sample ID: LCS 480-682403/2-A

**Matrix: Solid** 

**Analysis Batch: 682428** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

**Prep Batch: 682403** 

Analysis Batch. 002420	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	16.3	14.2		ug/Kg		88	56 - 120
4,4'-DDE	16.3	13.2		ug/Kg		81	44 - 120
4,4'-DDT	16.3	12.8		ug/Kg		78	38 - 120
Aldrin	16.3	12.5		ug/Kg		77	38 - 120
alpha-BHC	16.3	10.9		ug/Kg		67	39 - 120
beta-BHC	16.3	12.3		ug/Kg		76	40 - 120
cis-Chlordane	16.3	13.5		ug/Kg		83	47 - 120
delta-BHC	16.3	12.4		ug/Kg		76	45 - 120
Dieldrin	16.3	14.7		ug/Kg		90	58 - 120
Endosulfan I	16.3	14.4		ug/Kg		88	49 - 120
Endosulfan II	16.3	14.7		ug/Kg		90	55 - 120
Endosulfan sulfate	16.3	13.1		ug/Kg		81	49 - 124
Endrin	16.3	14.8		ug/Kg		91	58 - 120
gamma-BHC (Lindane)	16.3	11.8		ug/Kg		72	50 - 120
Heptachlor	16.3	12.9		ug/Kg		80	50 - 120

LCS	LCS

Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	101		45 - 120
DCB Decachlorobiphenyl	102		45 - 120
Tetrachloro-m-xylene	67		30 - 124
Tetrachloro-m-xylene	69		30 - 124

**Eurofins Buffalo** 

Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

### Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: 480-212326-2 MS

**Matrix: Solid** 

**Analysis Batch: 682428** 

Client Sample ID: BH-2 1-2 Prep Type: Total/NA Prep Batch: 682403

•	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	35	U	17.4	17.5	J	ug/Kg	₽	101	37 - 126
4,4'-DDE	35	U	17.4	9.72	J	ug/Kg	≎	56	34 - 120
4,4'-DDT	35	U	17.4	21.0	J	ug/Kg	≎	120	43 - 123
Aldrin	35	U	17.4	13.6	J	ug/Kg	≎	78	37 - 125
alpha-BHC	35	U	17.4	18.8	J	ug/Kg	☼	108	39 - 120
beta-BHC	35	U F1	17.4	7.61	J	ug/Kg	≎	44	36 - 120
cis-Chlordane	35	U F1	17.4	35	U F1	ug/Kg	☼	0	35 - 120
delta-BHC	35	U	17.4	14.7	J	ug/Kg	≎	85	34 - 120
Dieldrin	35	U	17.4	13.8	J	ug/Kg	≎	79	45 - 120
Endosulfan I	35	U	17.4	10.7	J	ug/Kg	☼	61	39 - 120
Endosulfan II	35	U	17.4	16.2	J	ug/Kg	≎	93	34 - 126
Endosulfan sulfate	11	J F1	17.4	15.1	J F1	ug/Kg	☆	26	27 - 130
Endrin	35	U	17.4	14.7	J	ug/Kg	≎	84	47 - 121
gamma-BHC (Lindane)	35	U	17.4	15.0	J	ug/Kg	≎	86	50 - 120
Heptachlor	35	U	17.4	12.0	J	ug/Kg	₩	69	42 - 120
	MC	MC							

MS MS Surrogate %Recovery Qualifier Limits DCB Decachlorobiphenyl 0 S1-45 - 120 DCB Decachlorobiphenyl 0 S1-45 - 120 Tetrachloro-m-xylene 0 S1-30 - 124 0 S1-30 - 124 Tetrachloro-m-xylene

Lab Sample ID: 480-212326-2 MSD

Matrix: Solid

**Analysis Batch: 682428** 

Client Sample ID: BH-2 1-2 Prep Type: Total/NA Prep Batch: 682403

MSD MSD %Rec **RPD** Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit 4,4'-DDD 35 U 17.3 16.6 J ₩ 96 37 - 126 5 21 ug/Kg 4,4'-DDE 35 U 17.3 9.30 J ug/Kg ☼ 54 34 - 120 4 18 4,4'-DDT 35 U 17.3 19.9 J ug/Kg 115 43 - 123 5 25 Ö 78 Aldrin 35 U 17.3 13.6 J ug/Kg ₩ 37 - 125 0 12 alpha-BHC 35 U 17.3 18.5 J ug/Kg ☼ 107 39 - 120 2 15 beta-BHC 35 UF1 17.3 35 UF1 0 36 - 120 NC 19 ug/Kg ₩ cis-Chlordane 35 UF1 35 UF1 0 NC 23 17.3 ug/Kg ₩ 35 - 120 delta-BHC 35 U 15.6 J 90 34 - 120 5 17.3 ug/Kg ₩ 14 Dieldrin 35 U 17.3 13.7 J ug/Kg ₩ 79 45 - 120 12 Endosulfan I 35 U 17.3 10.4 J 60 39 - 120 2 18 ug/Kg 24 Endosulfan II 35 U 17.3 14.1 J ug/Kg 81 34 - 126 26 Endosulfan sulfate 11 JF1 17.3 15.2 J ug/Kg Ö 27 27 - 130 1 35 Endrin 35 U 17.3 14.9 J ug/Kg ☼ 86 47 - 121 20 gamma-BHC (Lindane) 35 U 17.3 15.3 J 88 50 - 120 2 12 ug/Kg ₩ Heptachlor 35 U 12.0 J 69 22 17.3 ug/Kg ₩ 42 - 120

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl		S1-	45 - 120
DCB Decachlorobiphenyl	0	S1-	45 - 120
Tetrachloro-m-xylene	0	S1-	30 - 124
Tetrachloro-m-xylene	0	S1-	30 - 124

**Eurofins Buffalo** 

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### QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-682176/1-A

**Matrix: Solid** Analysis Batch: 682484 **Client Sample ID: Method Blank** 

Prep Type: Total/NA **Prep Batch: 682176** 

Job ID: 480-212326-1

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9	U	1.9	0.39	mg/Kg		09/01/23 14:36	09/05/23 18:19	1
Barium	0.48	U	0.48	0.11	mg/Kg		09/01/23 14:36	09/05/23 18:19	1
Beryllium	0.19	U	0.19	0.027	mg/Kg		09/01/23 14:36	09/05/23 18:19	1
Cadmium	0.19	U	0.19	0.029	mg/Kg		09/01/23 14:36	09/05/23 18:19	1
Chromium	0.48	U	0.48	0.19	mg/Kg		09/01/23 14:36	09/05/23 18:19	1
Manganese	0.0357	J	0.19	0.031	mg/Kg		09/01/23 14:36	09/05/23 18:19	1
Nickel	4.8	U	4.8	0.22	mg/Kg		09/01/23 14:36	09/05/23 18:19	1
Lead	0.97	U	0.97	0.23	mg/Kg		09/01/23 14:36	09/05/23 18:19	1
Selenium	3.9	U	3.9	0.39	mg/Kg		09/01/23 14:36	09/05/23 18:19	1
Silver	0.58	U	0.58	0.19	mg/Kg		09/01/23 14:36	09/05/23 18:19	1
Zinc	1.9	U	1.9	0.62	mg/Kg		09/01/23 14:36	09/05/23 18:19	1

Lab Sample ID: MB 480-682176/1-A

**Matrix: Solid** 

Analysis Batch: 682561

MB MB

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 09/01/23 14:36 09/06/23 13:30 0.97 U 0.97 0.20 mg/Kg Copper

Lab Sample ID: LCSSRM 480-682176/2-A

**Matrix: Solid** 

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

**Prep Batch: 682176** 

Prep Type: Total/NA **Prep Batch: 682176 Analysis Batch: 682484** LCSSRM LCSSRM Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Arsenic 183 165.7 mg/Kg 90.6 69.9 - 130.

Barium 297 276.9 mg/Kg 93.2 75.1 - 125. Beryllium 78.8 74.24 94.2 75.0 - 124. mg/Kg 9 Cadmium 221 200.1 mg/Kg 90.5 75.1 - 124. 9 Chromium 200 187.7 mg/Kg 93.8 70.0 - 130. 0 350.3 Manganese 381 75.9 - 124. mg/Kg 91.9 Nickel 69.8 - 129. 169 174.1 103.0 mg/Kg 6 mg/Kg Lead 257 259.2 100.8 73.9 - 126. Selenium 217 191.9 69.1 - 131. mg/Kg 88.4 Silver 67.8 58.47 mg/Kg 86.2 70.6 - 129. 224 195.7 87.4 70.1 - 130. Zinc mg/Kg

**Eurofins Buffalo** 

LCSSRM LCSSRM

127.5

Result Qualifier

Unit

mg/Kg

D

%Rec

93.7

Client: Brydges Engineering in Environment & Energy DPC Job ID: 480-212326-1

Spike

Added

136

Project/Site: 166 E 4th Street, Dunkirk, NY

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-682176/2-A

**Matrix: Solid** 

Analysis Batch: 682561

Analyte

Copper

Analysis Batch: 682486

Lab Sample ID: MB 480-682244/1-A **Matrix: Water** 

MB MB **Analyte** Result Qualifier RL **MDL** Unit Prepared Arsenic 0.015 U 0.015 0.0056 mg/L

Analyzed 09/05/23 08:21 09/05/23 22:00 Barium 0.0020 U 0.0020 0.00070 mg/L 09/05/23 08:21 09/05/23 22:00 Beryllium 0.0020 U 0.0020 0.00030 mg/L 09/05/23 08:21 09/05/23 22:00 Cadmium 0.0020 U 0.0020 0.00050 mg/L 09/05/23 08:21 09/05/23 22:00 Chromium 0.0040 U 0.0040 0.0010 mg/L 09/05/23 08:21 09/05/23 22:00 0.0030 0.00040 mg/L 09/05/23 08:21 09/05/23 22:00 Manganese 0.0030 U Nickel 0.010 U 0.010 0.0013 mg/L 09/05/23 08:21 09/05/23 22:00 09/05/23 08:21 09/05/23 22:00 0.0030 mg/L Lead 0.010 U 0.010 Selenium 0.025 U 0.025 0.0087 mg/L 09/05/23 08:21 09/05/23 22:00 09/05/23 08:21 09/05/23 22:00 Silver 0.0060 U 0.0060 0.0017 mg/L Zinc 0.010 U 0.010 0.0015 mg/L 09/05/23 08:21 09/05/23 22:00

Lab Sample ID: MB 480-682244/1-A

**Matrix: Water** 

**Analysis Batch: 682648** 

MB MB

**MDL** Unit Analyte Result Qualifier RL Prepared Analyzed 0.010 U 0.010 0.0016 mg/L 09/05/23 08:21 09/06/23 21:21 Copper

Chika

0.200

Lab Sample ID: LCS 480-682244/2-A **Matrix: Water** 

**Analysis Batch: 682486** 

	<b>Spike</b>	LCS L	_CS			%Rec	
Analyte	Added	Result C	Qualifier Uni	t D	%Rec	Limits	
Arsenic	0.200	0.195	mg/	L _	97	80 - 120	
Barium	0.200	0.207	mg,	'L	104	80 - 120	
Beryllium	0.200	0.203	mg	'L	101	80 - 120	
Cadmium	0.200	0.195	mg,	L	98	80 - 120	
Chromium	0.200	0.193	mg	'L	96	80 - 120	
Manganese	0.200	0.202	mg,	'L	101	80 - 120	
Nickel	0.200	0.184	mg,	L	92	80 - 120	
Lead	0.200	0.188	mg	'L	94	80 - 120	
Selenium	0.200	0.193	mg,	'L	96	80 - 120	
Silver	0.0500	0.0494	mg	L	99	80 - 120	

Lab Sample ID: LCS 480-682244/2-A

**Matrix: Water** 

Zinc

**Analysis Batch: 682648** 

Added Analyte Copper 0.201

Spike 0.191

0.187

LCS LCS Result Qualifier Unit mg/L

mg/L

D %Rec 95

Prep Batch: 682244 %Rec Limits 80 - 120

80 - 120

**Client Sample ID: Lab Control Sample** 

93

Prep Type: Total/NA

Prep Type: Total/NA

**Prep Batch: 682176** 

Prep Type: Total/NA

Prep Batch: 682244

Client Sample ID: Lab Control Sample

%Rec

Limits

75.0 - 125. 0

**Client Sample ID: Method Blank** 

Client Sample ID: Method Blank

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 682244

Prep Type: Total/NA

Prep Batch: 682244

Dil Fac

Dil Fac

**Eurofins Buffalo** 

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Method: 6010C - Metals (ICP)

Lab Sample ID: LCSD 480-682244/3-A Client Sample ID: Lab Control Sample Dup

**Matrix: Water** 

Analysis Batch: 682486

Prep Type: Total/NA Prep Batch: 682244

Job ID: 480-212326-1

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Unit %Rec Limits RPD Limit Analyte D Arsenic 0.200 0.197 mg/L 98 80 - 120 1 20 Barium 0.200 0.203 mg/L 101 80 - 120 2 20 0.200 Beryllium 0.202 mg/L 101 80 - 12020 0 20 Cadmium 0.200 0.197 mg/L 98 80 - 1200.200 20 Chromium 0.193 mg/L 96 80 - 120n 0.200 0.200 100 80 - 120 20 Manganese mg/L 20 Nickel 0.200 0.184 92 80 - 120 mg/L n Lead 0.200 0.190 mg/L 95 80 - 120 20 Selenium 0.200 0.196 mg/L 98 80 - 120 20 Silver 0.0500 0.0490 mg/L 98 80 - 12020 Zinc 0.200 0.186 80 - 12020 mg/L 93

**Client Sample ID: Lab Control Sample Dup** Lab Sample ID: LCSD 480-682244/3-A

**Matrix: Water** 

**Analysis Batch: 682648** 

Prep Type: Total/NA Prep Batch: 682244

LCSD LCSD Spike %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits RPD Limit 0.201 0.190 95 80 - 120 20 Copper mg/L 0

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-682454/1-A Client Sample ID: Method Blank Prep Type: Total/NA

**Matrix: Water** 

Analysis Batch: 682566

MB MB

**MDL** Unit **Analyte** Result Qualifier RL Prepared Analyzed Dil Fac 0.00020 09/06/23 11:17 09/06/23 15:39 Mercury 0.00020 U 0.000043 mg/L

Lab Sample ID: LCS 480-682454/2-A

**Matrix: Water** 

**Analysis Batch: 682566** 

**Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Prep Batch: 682454

Prep Batch: 682454

Spike LCS LCS %Rec D

Analyte Added Result Qualifier Unit %Rec Limits 0.00669 0.00652 97 80 - 120 Mercury mg/L

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-683076/1-A Client Sample ID: Method Blank

**Matrix: Solid** 

**Analysis Batch: 683226** MB MB

Prep Type: Total/NA Prep Batch: 683076

Result Qualifier RL **MDL** Unit Analyte D Prepared Analyzed Dil Fac 0.020 0.020 U 0.0047 mg/Kg 09/12/23 10:54 09/12/23 13:00 Mercury

# **QC Sample Results**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Lab Sample ID: 480-212326-1 MS

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 480-683076/2-A ^10				Client	Sai	mple II	D: Lab Co	ntrol Sample
Matrix: Solid							Prep T	ype: Total/NA
Analysis Batch: 683226							Prep E	Batch: 683076
	Spike	LCSSRM	LCSSRM				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Mercury	17.1	9.56		mg/Kg	_	55.9	36.0 - 109.	

Analysis Batch: 683226										pe: Total/NA tch: 683076
-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Mercury	0.38	F1	0.361	0.414	F1	mg/Kg	₩	9	80 - 120	

Lab Sample ID: 480-212326 Matrix: Solid Analysis Batch: 683226	-1 MSD						Client Sample ID: BH- Prep Type: Tota Prep Batch: 68			al/NA	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.38	F1	0.372	0.435	F1	mg/Kg	☆	14	80 - 120	5	20

Job ID: 480-212326-1

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Client Sample ID: BH-1 1-2

Client: Brydges Engineering in Environment & Energy DPC Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

#### **GC/MS VOA**

#### **Prep Batch: 682410**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-1	BH-1 1-2	Total/NA	Solid	5035A_L	
480-212326-2	BH-2 1-2	Total/NA	Solid	5035A_L	
480-212326-3	BH-3 1-2.5	Total/NA	Solid	5035A_L	
480-212326-4	BH-5 1-2	Total/NA	Solid	5035A_L	
480-212326-5	BH-6 1-3	Total/NA	Solid	5035A_L	
480-212326-6	BH-7 1-2.5	Total/NA	Solid	5035A_L	
480-212326-7	BH-8 1-2	Total/NA	Solid	5035A_L	
480-212326-8	BH-9 1-2	Total/NA	Solid	5035A_L	
480-212326-9	BH-10 1-2	Total/NA	Solid	5035A_L	
480-212326-10	BH-11 1-2	Total/NA	Solid	5035A_L	
480-212326-11	BH-12 1-2	Total/NA	Solid	5035A_L	
480-212326-12	BH-13 1-3	Total/NA	Solid	5035A_L	
MB 480-682410/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-682410/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

#### **Analysis Batch: 682411**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-1	BH-1 1-2	Total/NA	Solid	8260C	682410
480-212326-2	BH-2 1-2	Total/NA	Solid	8260C	682410
480-212326-3	BH-3 1-2.5	Total/NA	Solid	8260C	682410
480-212326-4	BH-5 1-2	Total/NA	Solid	8260C	682410
480-212326-5	BH-6 1-3	Total/NA	Solid	8260C	682410
480-212326-6	BH-7 1-2.5	Total/NA	Solid	8260C	682410
480-212326-7	BH-8 1-2	Total/NA	Solid	8260C	682410
480-212326-8	BH-9 1-2	Total/NA	Solid	8260C	682410
480-212326-9	BH-10 1-2	Total/NA	Solid	8260C	682410
480-212326-10	BH-11 1-2	Total/NA	Solid	8260C	682410
480-212326-11	BH-12 1-2	Total/NA	Solid	8260C	682410
480-212326-12	BH-13 1-3	Total/NA	Solid	8260C	682410
MB 480-682410/2-A	Method Blank	Total/NA	Solid	8260C	682410
LCS 480-682410/1-A	Lab Control Sample	Total/NA	Solid	8260C	682410

#### **Analysis Batch: 682676**

Lab Sample ID 480-212326-13	Client Sample ID  MW-1	Prep Type Total/NA	Matrix Water	Method 8260C	Prep Batch
480-212326-14	MW-2	Total/NA	Water	8260C	
MB 480-682676/8	Method Blank	Total/NA	Water	8260C	
LCS 480-682676/6	Lab Control Sample	Total/NA	Water	8260C	

#### GC/MS Semi VOA

#### **Prep Batch: 682295**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-1	BH-1 1-2	Total/NA	Solid	3550C	
480-212326-2	BH-2 1-2	Total/NA	Solid	3550C	
480-212326-3	BH-3 1-2.5	Total/NA	Solid	3550C	
480-212326-4	BH-5 1-2	Total/NA	Solid	3550C	
480-212326-5	BH-6 1-3	Total/NA	Solid	3550C	
480-212326-6	BH-7 1-2.5	Total/NA	Solid	3550C	
480-212326-7	BH-8 1-2	Total/NA	Solid	3550C	
480-212326-8	BH-9 1-2	Total/NA	Solid	3550C	

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

### GC/MS Semi VOA (Continued)

#### Prep Batch: 682295 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-9	BH-10 1-2	Total/NA	Solid	3550C	
480-212326-10	BH-11 1-2	Total/NA	Solid	3550C	
480-212326-11	BH-12 1-2	Total/NA	Solid	3550C	
480-212326-12	BH-13 1-3	Total/NA	Solid	3550C	
MB 480-682295/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-682295/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-212326-1 MS	BH-1 1-2	Total/NA	Solid	3550C	
480-212326-1 MSD	BH-1 1-2	Total/NA	Solid	3550C	

#### **Prep Batch: 682436**

Lab Sample ID 480-212326-13	Client Sample ID  MW-1	Prep Type Total/NA	Matrix Water	Method 3510C	Prep Batch
480-212326-14	MW-2	Total/NA	Water	3510C	
MB 480-682436/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-682436/2-A	Lab Control Sample	Total/NA	Water	3510C	

#### Analysis Batch: 682460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-1	BH-1 1-2	Total/NA	Solid	8270D	682295
480-212326-2	BH-2 1-2	Total/NA	Solid	8270D	682295
480-212326-3	BH-3 1-2.5	Total/NA	Solid	8270D	682295
480-212326-4	BH-5 1-2	Total/NA	Solid	8270D	682295
480-212326-5	BH-6 1-3	Total/NA	Solid	8270D	682295
480-212326-6	BH-7 1-2.5	Total/NA	Solid	8270D	682295
480-212326-7	BH-8 1-2	Total/NA	Solid	8270D	682295
480-212326-8	BH-9 1-2	Total/NA	Solid	8270D	682295
480-212326-9	BH-10 1-2	Total/NA	Solid	8270D	682295
480-212326-10	BH-11 1-2	Total/NA	Solid	8270D	682295
480-212326-11	BH-12 1-2	Total/NA	Solid	8270D	682295
480-212326-12	BH-13 1-3	Total/NA	Solid	8270D	682295
MB 480-682295/1-A	Method Blank	Total/NA	Solid	8270D	682295
LCS 480-682295/2-A	Lab Control Sample	Total/NA	Solid	8270D	682295
480-212326-1 MS	BH-1 1-2	Total/NA	Solid	8270D	682295
480-212326-1 MSD	BH-1 1-2	Total/NA	Solid	8270D	682295

#### Analysis Batch: 682620

Lab Sample 480-212326-		Prep Type Total/NA	Matrix Water	Method 8270D	Prep Batch 682436
480-212326-	14 MW-2	Total/NA	Water	8270D	682436
MB 480-6824	36/1-A Method Blank	Total/NA	Water	8270D	682436
LCS 480-682	436/2-A Lab Control Sample	Total/NA	Water	8270D	682436

#### **GC Semi VOA**

#### **Prep Batch: 682226**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-13	MW-1	Total/NA	Water	3510C	
480-212326-14	MW-2	Total/NA	Water	3510C	
MB 480-682226/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-682226/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-682226/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

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Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

#### Job ID: 480-212326-1

#### **GC Semi VOA**

#### Analysis Batch: 682270

Lab Sample ID 480-212326-13	Client Sample ID MW-1	Prep Type Total/NA	Matrix Water	Method 8081B	Prep Batch 682226
480-212326-14	MW-2	Total/NA	Water	8081B	682226
MB 480-682226/1-A	Method Blank	Total/NA	Water	8081B	682226
LCS 480-682226/2-A	Lab Control Sample	Total/NA	Water	8081B	682226
LCSD 480-682226/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	682226

#### Prep Batch: 682403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-1	BH-1 1-2	Total/NA	Solid	3550C	
480-212326-2	BH-2 1-2	Total/NA	Solid	3550C	
480-212326-3	BH-3 1-2.5	Total/NA	Solid	3550C	
480-212326-4	BH-5 1-2	Total/NA	Solid	3550C	
480-212326-5	BH-6 1-3	Total/NA	Solid	3550C	
480-212326-6	BH-7 1-2.5	Total/NA	Solid	3550C	
480-212326-7	BH-8 1-2	Total/NA	Solid	3550C	
480-212326-8	BH-9 1-2	Total/NA	Solid	3550C	
480-212326-9	BH-10 1-2	Total/NA	Solid	3550C	
480-212326-10	BH-11 1-2	Total/NA	Solid	3550C	
480-212326-11	BH-12 1-2	Total/NA	Solid	3550C	
480-212326-12	BH-13 1-3	Total/NA	Solid	3550C	
MB 480-682403/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-682403/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-212326-2 MS	BH-2 1-2	Total/NA	Solid	3550C	
480-212326-2 MSD	BH-2 1-2	Total/NA	Solid	3550C	

#### **Analysis Batch: 682428**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-1	BH-1 1-2	Total/NA	Solid	8081B	682403
480-212326-2	BH-2 1-2	Total/NA	Solid	8081B	682403
480-212326-3	BH-3 1-2.5	Total/NA	Solid	8081B	682403
480-212326-4	BH-5 1-2	Total/NA	Solid	8081B	682403
480-212326-5	BH-6 1-3	Total/NA	Solid	8081B	682403
480-212326-6	BH-7 1-2.5	Total/NA	Solid	8081B	682403
480-212326-7	BH-8 1-2	Total/NA	Solid	8081B	682403
480-212326-8	BH-9 1-2	Total/NA	Solid	8081B	682403
480-212326-9	BH-10 1-2	Total/NA	Solid	8081B	682403
480-212326-10	BH-11 1-2	Total/NA	Solid	8081B	682403
480-212326-11	BH-12 1-2	Total/NA	Solid	8081B	682403
480-212326-12	BH-13 1-3	Total/NA	Solid	8081B	682403
MB 480-682403/1-A	Method Blank	Total/NA	Solid	8081B	682403
LCS 480-682403/2-A	Lab Control Sample	Total/NA	Solid	8081B	682403
480-212326-2 MS	BH-2 1-2	Total/NA	Solid	8081B	682403
480-212326-2 MSD	BH-2 1-2	Total/NA	Solid	8081B	682403

#### Metals

#### **Prep Batch: 682176**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-1	BH-1 1-2	Total/NA	Solid	3050B	
480-212326-2	BH-2 1-2	Total/NA	Solid	3050B	
480-212326-3	BH-3 1-2.5	Total/NA	Solid	3050B	

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# **QC Association Summary**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

#### **Metals (Continued)**

#### Prep Batch: 682176 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
480-212326-4	BH-5 1-2	Total/NA	Solid	3050B	
480-212326-5	BH-6 1-3	Total/NA	Solid	3050B	
480-212326-6	BH-7 1-2.5	Total/NA	Solid	3050B	
480-212326-7	BH-8 1-2	Total/NA	Solid	3050B	
480-212326-8	BH-9 1-2	Total/NA	Solid	3050B	
480-212326-9	BH-10 1-2	Total/NA	Solid	3050B	
480-212326-10	BH-11 1-2	Total/NA	Solid	3050B	
480-212326-11	BH-12 1-2	Total/NA	Solid	3050B	
480-212326-12	BH-13 1-3	Total/NA	Solid	3050B	
MB 480-682176/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-682176/2-A	Lab Control Sample	Total/NA	Solid	3050B	

#### Prep Batch: 682244

Lab Sample ID 480-212326-13	Client Sample ID MW-1	Prep Type Total/NA	Matrix Water	Method 3005A	Prep Batc
480-212326-14	MW-2	Total/NA	Water	3005A	
MB 480-682244/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-682244/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-682244/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	

#### **Prep Batch: 682454**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
480-212326-13	MW-1	Total/NA	Water	7470A
480-212326-14	MW-2	Total/NA	Water	7470A
MB 480-682454/1-A	Method Blank	Total/NA	Water	7470A
LCS 480-682454/2-A	Lab Control Sample	Total/NA	Water	7470A

#### **Analysis Batch: 682484**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-682176/1-A	Method Blank	Total/NA	Solid	6010C	682176
LCSSRM 480-682176/2-A	Lab Control Sample	Total/NA	Solid	6010C	682176

#### **Analysis Batch: 682486**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-13	MW-1	Total/NA	Water	6010C	682244
480-212326-14	MW-2	Total/NA	Water	6010C	682244
MB 480-682244/1-A	Method Blank	Total/NA	Water	6010C	682244
LCS 480-682244/2-A	Lab Control Sample	Total/NA	Water	6010C	682244
LCSD 480-682244/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	682244

#### Analysis Batch: 682561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-1	BH-1 1-2	Total/NA	Solid	6010C	682176
480-212326-2	BH-2 1-2	Total/NA	Solid	6010C	682176
480-212326-3	BH-3 1-2.5	Total/NA	Solid	6010C	682176
480-212326-4	BH-5 1-2	Total/NA	Solid	6010C	682176
480-212326-5	BH-6 1-3	Total/NA	Solid	6010C	682176
480-212326-6	BH-7 1-2.5	Total/NA	Solid	6010C	682176
480-212326-7	BH-8 1-2	Total/NA	Solid	6010C	682176
480-212326-8	BH-9 1-2	Total/NA	Solid	6010C	682176
480-212326-9	BH-10 1-2	Total/NA	Solid	6010C	682176

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# **QC Association Summary**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

#### **Metals (Continued)**

#### **Analysis Batch: 682561 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-10	BH-11 1-2	Total/NA	Solid	6010C	682176
480-212326-11	BH-12 1-2	Total/NA	Solid	6010C	682176
480-212326-12	BH-13 1-3	Total/NA	Solid	6010C	682176
MB 480-682176/1-A	Method Blank	Total/NA	Solid	6010C	682176
LCSSRM 480-682176/2-A	Lab Control Sample	Total/NA	Solid	6010C	682176

#### **Analysis Batch: 682566**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-13	MW-1	Total/NA	Water	7470A	682454
480-212326-14	MW-2	Total/NA	Water	7470A	682454
MB 480-682454/1-A	Method Blank	Total/NA	Water	7470A	682454
LCS 480-682454/2-A	Lab Control Sample	Total/NA	Water	7470A	682454

#### Analysis Batch: 682648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-13	MW-1	Total/NA	Water	6010C	682244
480-212326-14	MW-2	Total/NA	Water	6010C	682244
MB 480-682244/1-A	Method Blank	Total/NA	Water	6010C	682244
LCS 480-682244/2-A	Lab Control Sample	Total/NA	Water	6010C	682244
LCSD 480-682244/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	682244

#### **Prep Batch: 683076**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
480-212326-1	BH-1 1-2	Total/NA	Solid	7471B	<del>-</del>
480-212326-2	BH-2 1-2	Total/NA	Solid	7471B	
480-212326-3	BH-3 1-2.5	Total/NA	Solid	7471B	
480-212326-4	BH-5 1-2	Total/NA	Solid	7471B	
480-212326-5	BH-6 1-3	Total/NA	Solid	7471B	
480-212326-6	BH-7 1-2.5	Total/NA	Solid	7471B	
480-212326-7	BH-8 1-2	Total/NA	Solid	7471B	
480-212326-8	BH-9 1-2	Total/NA	Solid	7471B	
480-212326-9	BH-10 1-2	Total/NA	Solid	7471B	
480-212326-10	BH-11 1-2	Total/NA	Solid	7471B	
480-212326-11	BH-12 1-2	Total/NA	Solid	7471B	
480-212326-12	BH-13 1-3	Total/NA	Solid	7471B	
MB 480-683076/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-683076/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	
480-212326-1 MS	BH-1 1-2	Total/NA	Solid	7471B	
480-212326-1 MSD	BH-1 1-2	Total/NA	Solid	7471B	

#### **Analysis Batch: 683226**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-1	BH-1 1-2	Total/NA	Solid	7471B	683076
480-212326-2	BH-2 1-2	Total/NA	Solid	7471B	683076
480-212326-3	BH-3 1-2.5	Total/NA	Solid	7471B	683076
480-212326-4	BH-5 1-2	Total/NA	Solid	7471B	683076
480-212326-5	BH-6 1-3	Total/NA	Solid	7471B	683076
480-212326-6	BH-7 1-2.5	Total/NA	Solid	7471B	683076
480-212326-7	BH-8 1-2	Total/NA	Solid	7471B	683076
480-212326-8	BH-9 1-2	Total/NA	Solid	7471B	683076
480-212326-9	BH-10 1-2	Total/NA	Solid	7471B	683076

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# **QC Association Summary**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Job ID: 480-212326-1

# **Metals (Continued)**

#### **Analysis Batch: 683226 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-10	BH-11 1-2	Total/NA	Solid	7471B	683076
480-212326-11	BH-12 1-2	Total/NA	Solid	7471B	683076
480-212326-12	BH-13 1-3	Total/NA	Solid	7471B	683076
MB 480-683076/1-A	Method Blank	Total/NA	Solid	7471B	683076
LCSSRM 480-683076/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	683076
480-212326-1 MS	BH-1 1-2	Total/NA	Solid	7471B	683076
480-212326-1 MSD	BH-1 1-2	Total/NA	Solid	7471B	683076

#### **General Chemistry**

#### **Analysis Batch: 682218**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212326-1	BH-1 1-2	Total/NA	Solid	Moisture	
480-212326-2	BH-2 1-2	Total/NA	Solid	Moisture	
480-212326-3	BH-3 1-2.5	Total/NA	Solid	Moisture	
480-212326-4	BH-5 1-2	Total/NA	Solid	Moisture	
480-212326-5	BH-6 1-3	Total/NA	Solid	Moisture	
480-212326-6	BH-7 1-2.5	Total/NA	Solid	Moisture	
480-212326-7	BH-8 1-2	Total/NA	Solid	Moisture	
480-212326-8	BH-9 1-2	Total/NA	Solid	Moisture	
480-212326-9	BH-10 1-2	Total/NA	Solid	Moisture	
480-212326-10	BH-11 1-2	Total/NA	Solid	Moisture	
480-212326-11	BH-12 1-2	Total/NA	Solid	Moisture	
480-212326-12	BH-13 1-3	Total/NA	Solid	Moisture	

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Lab Sample ID: 480-212326-1

**Matrix: Solid** 

Job ID: 480-212326-1

Client Sample ID: BH-1 1-2 Date Collected: 08/31/23 00:00

Date Received: 08/31/23 15:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture		1	682218	JMM	EET BUF	09/01/23 15:37

Client Sample ID: BH-1 1-2 Lab Sample ID: 480-212326-1

Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 90.5

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035A_L			682410	CDC	EET BUF	09/05/23 17:19
Total/NA	Analysis	8260C		1	682411	CDC	EET BUF	09/05/23 21:00
Total/NA	Prep	3550C			682295	ER	EET BUF	09/05/23 08:47
Total/NA	Analysis	8270D		10	682460	EMD	EET BUF	09/06/23 14:35
Total/NA	Prep	3550C			682403	SJM	EET BUF	09/05/23 16:04
Total/NA	Analysis	8081B		20	682428	JLS	EET BUF	09/06/23 11:22
Total/NA	Prep	3050B			682176	MP	EET BUF	09/01/23 14:36
Total/NA	Analysis	6010C		1	682561	LMH	EET BUF	09/06/23 14:35
Total/NA	Prep	7471B			683076	NVK	EET BUF	09/12/23 10:54
Total/NA	Analysis	7471B		1	683226	NVK	EET BUF	09/12/23 13:03

Client Sample ID: BH-2 1-2 Lab Sample ID: 480-212326-2

Date Collected: 08/31/23 00:00

Date Received: 08/31/23 15:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture		1	682218	JMM	EET BUF	09/01/23 15:37

Client Sample ID: BH-2 1-2 Lab Sample ID: 480-212326-2 Date Collected: 08/31/23 00:00 **Matrix: Solid** 

Date Received: 08/31/23 15:15 Percent Solids: 93.4

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035A_L			682410	CDC	EET BUF	09/05/23 17:19
Total/NA	Analysis	8260C		1	682411	CDC	EET BUF	09/05/23 21:24
Total/NA	Prep	3550C			682295	ER	EET BUF	09/05/23 08:47
Total/NA	Analysis	8270D		10	682460	EMD	EET BUF	09/06/23 14:59
Total/NA	Prep	3550C			682403	SJM	EET BUF	09/05/23 16:04
Total/NA	Analysis	8081B		20	682428	JLS	EET BUF	09/06/23 11:03
Total/NA	Prep	3050B			682176	MP	EET BUF	09/01/23 14:36
Total/NA	Analysis	6010C		1	682561	LMH	EET BUF	09/06/23 14:40
Total/NA	Prep	7471B			683076	NVK	EET BUF	09/12/23 10:54
Total/NA	Analysis	7471B		1	683226	NVK	EET BUF	09/12/23 13:08

Client Sample ID: BH-3 1-2.5 Lab Sample ID: 480-212326-3

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture		1	682218	JMM	EET BUF	09/01/23 15:37

Client Sample ID: BH-3 1-2.5 Lab Sample ID: 480-212326-3

Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 85.4

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035A_L			682410	CDC	EET BUF	09/05/23 17:19
Total/NA	Analysis	8260C		1	682411	CDC	EET BUF	09/05/23 21:48
Total/NA	Prep	3550C			682295	ER	EET BUF	09/05/23 08:47
Total/NA	Analysis	8270D		10	682460	EMD	EET BUF	09/06/23 15:23
Total/NA	Prep	3550C			682403	SJM	EET BUF	09/05/23 16:04
Total/NA	Analysis	8081B		10	682428	JLS	EET BUF	09/06/23 11:42
Total/NA	Prep	3050B			682176	MP	EET BUF	09/01/23 14:36
Total/NA	Analysis	6010C		1	682561	LMH	EET BUF	09/06/23 14:55
Total/NA	Prep	7471B			683076	NVK	EET BUF	09/12/23 10:54
Total/NA	Analysis	7471B		1	683226	NVK	EET BUF	09/12/23 13:09

Client Sample ID: BH-5 1-2 Lab Sample ID: 480-212326-4

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture		1	682218	JMM	EET BUF	09/01/23 15:37

Client Sample ID: BH-5 1-2 Lab Sample ID: 480-212326-4 Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 85.8

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035A_L			682410	CDC	EET BUF	09/05/23 17:19
Total/NA	Analysis	8260C		1	682411	CDC	EET BUF	09/05/23 22:12
Total/NA	Prep	3550C			682295	ER	EET BUF	09/05/23 08:47
Total/NA	Analysis	8270D		10	682460	EMD	EET BUF	09/06/23 15:48
Total/NA	Prep	3550C			682403	SJM	EET BUF	09/05/23 16:04
Total/NA	Analysis	8081B		10	682428	JLS	EET BUF	09/06/23 12:02
Total/NA	Prep	3050B			682176	MP	EET BUF	09/01/23 14:36
Total/NA	Analysis	6010C		1	682561	LMH	EET BUF	09/06/23 14:59
Total/NA	Prep	7471B			683076	NVK	EET BUF	09/12/23 10:54
Total/NA	Analysis	7471B		1	683226	NVK	EET BUF	09/12/23 13:10

Job ID: 480-212326-1

**Matrix: Solid** 

Client Sample ID: BH-6 1-3 Lab Sample ID: 480-212326-5

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture		1	682218	JMM	EET BUF	09/01/23 15:37

Client Sample ID: BH-6 1-3 Lab Sample ID: 480-212326-5

Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 89.1

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035A_L			682410	CDC	EET BUF	09/05/23 17:19
Total/NA	Analysis	8260C		1	682411	CDC	EET BUF	09/05/23 22:37
Total/NA	Prep	3550C			682295	ER	EET BUF	09/05/23 08:47
Total/NA	Analysis	8270D		1	682460	EMD	EET BUF	09/06/23 16:12
Total/NA	Prep	3550C			682403	SJM	EET BUF	09/05/23 16:04
Total/NA	Analysis	8081B		5	682428	JLS	EET BUF	09/06/23 12:21
Total/NA	Prep	3050B			682176	MP	EET BUF	09/01/23 14:36
Total/NA	Analysis	6010C		1	682561	LMH	EET BUF	09/06/23 15:03
Total/NA	Prep	7471B			683076	NVK	EET BUF	09/12/23 10:54
Total/NA	Analysis	7471B		1	683226	NVK	EET BUF	09/12/23 13:12

Client Sample ID: BH-7 1-2.5 Lab Sample ID: 480-212326-6

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture		1	682218	JMM	EET BUF	09/01/23 15:37

Client Sample ID: BH-7 1-2.5 Lab Sample ID: 480-212326-6 Date Collected: 08/31/23 00:00 **Matrix: Solid** 

Date Received: 08/31/23 15:15 Percent Solids: 77.5

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035A_L			682410	CDC	EET BUF	09/05/23 17:19
Total/NA	Analysis	8260C		1	682411	CDC	EET BUF	09/05/23 23:01
Total/NA	Prep	3550C			682295	ER	EET BUF	09/05/23 08:47
Total/NA	Analysis	8270D		5	682460	EMD	EET BUF	09/06/23 16:36
Total/NA	Prep	3550C			682403	SJM	EET BUF	09/05/23 16:04
Total/NA	Analysis	8081B		5	682428	JLS	EET BUF	09/06/23 12:41
Total/NA	Prep	3050B			682176	MP	EET BUF	09/01/23 14:36
Total/NA	Analysis	6010C		1	682561	LMH	EET BUF	09/06/23 15:07
Total/NA	Prep	7471B			683076	NVK	EET BUF	09/12/23 10:54
Total/NA	Analysis	7471B		1	683226	NVK	EET BUF	09/12/23 13:16

Job ID: 480-212326-1

**Matrix: Solid** 

#### Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-8 1-2

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

Lab Sample ID: 480-212326-7

**Matrix: Solid** 

Job ID: 480-212326-1

Batch Batch Dilution Batch **Prepared** Method **Factor** Number Analyst or Analyzed **Prep Type** Type Run Lab 09/01/23 15:37 Total/NA Analysis Moisture 682218 JMM EET BUF

Client Sample ID: BH-8 1-2 Lab Sample ID: 480-212326-7

Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 82.6

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035A_L			682410	CDC	EET BUF	09/05/23 17:19
Total/NA	Analysis	8260C		1	682411	CDC	EET BUF	09/05/23 23:25
Total/NA	Prep	3550C			682295	ER	EET BUF	09/05/23 08:47
Total/NA	Analysis	8270D		5	682460	EMD	EET BUF	09/06/23 17:00
Total/NA	Prep	3550C			682403	SJM	EET BUF	09/05/23 16:04
Total/NA	Analysis	8081B		1	682428	JLS	EET BUF	09/06/23 13:00
Total/NA	Prep	3050B			682176	MP	EET BUF	09/01/23 14:36
Total/NA	Analysis	6010C		1	682561	LMH	EET BUF	09/06/23 15:11
Total/NA	Prep	7471B			683076	NVK	EET BUF	09/12/23 10:54
Total/NA	Analysis	7471B		1	683226	NVK	EET BUF	09/12/23 13:17

Client Sample ID: BH-9 1-2 Lab Sample ID: 480-212326-8

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

Batch Batch Dilution **Batch Prepared** Prep Type Type Method Run **Factor Number Analyst** Lab or Analyzed 09/01/23 15:37 Total/NA Analysis Moisture 682218 JMM EET BUF

Client Sample ID: BH-9 1-2 Lab Sample ID: 480-212326-8 Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 81.4

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035A_L			682410	CDC	EET BUF	09/05/23 17:19
Total/NA	Analysis	8260C		1	682411	CDC	EET BUF	09/05/23 23:49
Total/NA	Prep	3550C			682295	ER	EET BUF	09/05/23 08:47
Total/NA	Analysis	8270D		1	682460	EMD	EET BUF	09/06/23 17:24
Total/NA	Prep	3550C			682403	SJM	EET BUF	09/05/23 16:04
Total/NA	Analysis	8081B		1	682428	JLS	EET BUF	09/06/23 13:20
Total/NA	Prep	3050B			682176	MP	EET BUF	09/01/23 14:36
Total/NA	Analysis	6010C		1	682561	LMH	EET BUF	09/06/23 15:15
Total/NA	Prep	7471B			683076	NVK	EET BUF	09/12/23 10:54
Total/NA	Analysis	7471B		1	683226	NVK	EET BUF	09/12/23 13:18

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#### **Lab Chronicle**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Client Sample ID: BH-10 1-2

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

Lab Sample ID: 480-212326-9

**Matrix: Solid** 

Job ID: 480-212326-1

Batch Batch Dilution Batch **Prepared Prep Type** Method **Factor** Number Analyst or Analyzed Type Run Lab 09/01/23 15:37 Total/NA Analysis Moisture 682218 JMM EET BUF

Client Sample ID: BH-10 1-2 Lab Sample ID: 480-212326-9

Date Collected: 08/31/23 00:00 Matrix: Solid Date Received: 08/31/23 15:15 Percent Solids: 83.8

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035A_L			682410	CDC	EET BUF	09/05/23 17:19
Total/NA	Analysis	8260C		1	682411	CDC	EET BUF	09/06/23 00:14
Total/NA	Prep	3550C			682295	ER	EET BUF	09/05/23 08:47
Total/NA	Analysis	8270D		1	682460	EMD	EET BUF	09/06/23 17:47
Total/NA	Prep	3550C			682403	SJM	EET BUF	09/05/23 16:04
Total/NA	Analysis	8081B		5	682428	JLS	EET BUF	09/06/23 13:40
Total/NA	Prep	3050B			682176	MP	EET BUF	09/01/23 14:36
Total/NA	Analysis	6010C		1	682561	LMH	EET BUF	09/06/23 15:18
Total/NA	Prep	7471B			683076	NVK	EET BUF	09/12/23 10:54
Total/NA	Analysis	7471B		1	683226	NVK	EET BUF	09/12/23 13:20

Client Sample ID: BH-11 1-2

Lab Sample ID: 480-212326-10 Date Collected: 08/31/23 00:00 **Matrix: Solid** 

Date Received: 08/31/23 15:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture		1	682218	JMM	EET BUF	09/01/23 15:37

Client Sample ID: BH-11 1-2 Lab Sample ID: 480-212326-10 Date Collected: 08/31/23 00:00 **Matrix: Solid** Date Received: 08/31/23 15:15 Percent Solids: 87.0

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035A_L			682410	CDC	EET BUF	09/05/23 17:19
Total/NA	Analysis	8260C		1	682411	CDC	EET BUF	09/06/23 00:38
Total/NA	Prep	3550C			682295	ER	EET BUF	09/05/23 08:47
Total/NA	Analysis	8270D		1	682460	EMD	EET BUF	09/06/23 18:12
Total/NA	Prep	3550C			682403	SJM	EET BUF	09/05/23 16:04
Total/NA	Analysis	8081B		1	682428	JLS	EET BUF	09/06/23 13:59
Total/NA	Prep	3050B			682176	MP	EET BUF	09/01/23 14:36
Total/NA	Analysis	6010C		1	682561	LMH	EET BUF	09/06/23 15:22
Total/NA	Prep	7471B			683076	NVK	EET BUF	09/12/23 10:54
Total/NA	Analysis	7471B		1	683226	NVK	EET BUF	09/12/23 13:21

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Client Sample ID: BH-12 1-2

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15 Lab Sample ID: 480-212326-11

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture		1	682218	JMM	EET BUF	09/01/23 15:37

Client Sample ID: BH-12 1-2

Date Collected: 08/31/23 00:00 Date Received: 08/31/23 15:15

Lab Sample ID: 480-212326-11

**Matrix: Solid** Percent Solids: 87.4

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035A_L	<del></del>		682410	CDC	EET BUF	09/05/23 17:19
Total/NA	Analysis	8260C		1	682411	CDC	EET BUF	09/06/23 01:03
Total/NA	Prep	3550C			682295	ER	EET BUF	09/05/23 08:47
Total/NA	Analysis	8270D		20	682460	EMD	EET BUF	09/06/23 18:36
Total/NA	Prep	3550C			682403	SJM	EET BUF	09/05/23 16:04
Total/NA	Analysis	8081B		20	682428	JLS	EET BUF	09/06/23 14:19
Total/NA	Prep	3050B			682176	MP	EET BUF	09/01/23 14:36
Total/NA	Analysis	6010C		1	682561	LMH	EET BUF	09/06/23 15:26
Total/NA	Prep	7471B			683076	NVK	EET BUF	09/12/23 10:54
Total/NA	Analysis	7471B		1	683226	NVK	EET BUF	09/12/23 13:22

Client Sample ID: BH-13 1-3

Date Collected: 08/31/23 00:00

Date Received: 08/31/23 15:15

Lab Sample ID: 480-212326-12

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture	<del></del> -	1	682218	JMM	EET BUF	09/01/23 15:37

Client Sample ID: BH-13 1-3	Lab Sample ID: 480-212326-12
Date Collected: 08/31/23 00:00	Matrix: Solid
Date Received: 08/31/23 15:15	Percent Solids: 91.1

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035A_L			682410	CDC	EET BUF	09/05/23 17:19
Total/NA	Analysis	8260C		1	682411	CDC	EET BUF	09/06/23 01:27
Total/NA	Prep	3550C			682295	ER	EET BUF	09/05/23 08:47
Total/NA	Analysis	8270D		10	682460	EMD	EET BUF	09/06/23 19:00
Total/NA	Prep	3550C			682403	SJM	EET BUF	09/05/23 16:04
Total/NA	Analysis	8081B		5	682428	JLS	EET BUF	09/06/23 14:39
Total/NA	Prep	3050B			682176	MP	EET BUF	09/01/23 14:36
Total/NA	Analysis	6010C		1	682561	LMH	EET BUF	09/06/23 15:41
Total/NA	Prep	7471B			683076	NVK	EET BUF	09/12/23 10:54
Total/NA	Analysis	7471B		1	683226	NVK	EET BUF	09/12/23 13:23

#### **Lab Chronicle**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

Date Received: 08/31/23 15:15

Client Sample ID: MW-1 Lab Sample ID: 480-212326-13 Date Collected: 08/31/23 13:15

**Matrix: Water** 

Job ID: 480-212326-1

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260C			682676	AXK	EET BUF	09/07/23 22:13
Total/NA	Prep	3510C			682436	JMP	EET BUF	09/06/23 08:45
Total/NA	Analysis	8270D		1	682620	EMD	EET BUF	09/07/23 18:47
Total/NA	Prep	3510C			682226	SJM	EET BUF	09/01/23 15:51
Total/NA	Analysis	8081B		1	682270	JLS	EET BUF	09/05/23 14:33
Total/NA	Prep	3005A			682244	MP	EET BUF	09/05/23 08:21
Total/NA	Analysis	6010C		5	682648	LMH	EET BUF	09/06/23 21:32
Total/NA	Prep	3005A			682244	MP	EET BUF	09/05/23 08:21
Total/NA	Analysis	6010C		1	682486	LMH	EET BUF	09/05/23 23:41
Total/NA	Prep	7470A			682454	NVK	EET BUF	09/06/23 11:17
Total/NA	Analysis	7470A		1	682566	NVK	EET BUF	09/06/23 16:06

Lab Sample ID: 480-212326-14 Client Sample ID: MW-2 Date Collected: 08/31/23 13:30 **Matrix: Water** 

Date Received: 08/31/23 15:15

	Batch	Batch	_	Dilution	Batch			Prepared
Total/NA	Type Analysis	Method 8260C	Run	_	682676	Analyst AXK	EET BUF	or Analyzed 09/07/23 22:36
Total/NA Total/NA	Prep Analysis	3510C 8270D		1	682436 682620		EET BUF EET BUF	09/06/23 08:45 09/07/23 19:14
Total/NA Total/NA	Prep Analysis	3510C 8081B		1	682226 682270		EET BUF EET BUF	09/01/23 15:51 09/05/23 14:53
Total/NA Total/NA	Prep Analysis	3005A 6010C		5	682244 682648		EET BUF EET BUF	09/05/23 08:21 09/06/23 21:36
Total/NA Total/NA	Prep Analysis	3005A 6010C		1	682244 682486		EET BUF EET BUF	09/05/23 08:21 09/05/23 23:45
Total/NA Total/NA	Prep Analysis	7470A 7470A		1	682454 682566		EET BUF EET BUF	09/06/23 11:17 09/06/23 16:07

**Laboratory References:** 

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

**Eurofins Buffalo** 

# **Accreditation/Certification Summary**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

#### Job ID: 480-212326-1

#### **Laboratory: Eurofins Buffalo**

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	rogram	Identification Number	Expiration Date
New York	NE	ELAP	10026	03-31-24
The following analytes	a ara included in this ren	art but the laboratory is r	act cortified by the governing outhority	This list may include analytes for y
the agency does not o	•	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for v
• .	•	Matrix	Analyte	This list may include analytes for v
the agency does not o	offer certification.	•		This list may include analytes for v

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# **Method Summary**

Client: Brydges Engineering in Environment & Energy DPC

Project/Site: 166 E 4th Street, Dunkirk, NY

lethod	Method Description	Protocol	Laboratory
260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
081B	Organochlorine Pesticides (GC)	SW846	EET BUF
010C	Metals (ICP)	SW846	EET BUF
470A	Mercury (CVAA)	SW846	EET BUF
471B	Mercury (CVAA)	SW846	EET BUF
oisture	Percent Moisture	EPA	EET BUF
005A	Preparation, Total Metals	SW846	EET BUF
)50B	Preparation, Metals	SW846	EET BUF
510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
550C	Ultrasonic Extraction	SW846	EET BUF
030C	Purge and Trap	SW846	EET BUF
035A_L	Closed System Purge and Trap	SW846	EET BUF
170A	Preparation, Mercury	SW846	EET BUF
171B	Preparation, Mercury	SW846	EET BUF

#### **Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### **Laboratory References:**

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Job ID: 480-212326-1

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# **Sample Summary**

Client: Brydges Engineering in Environment & Energy DPC Project/Site: 166 E 4th Street, Dunkirk, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-212326-1	BH-1 1-2	Solid	08/31/23 00:00	08/31/23 15:15
480-212326-2	BH-2 1-2	Solid	08/31/23 00:00	08/31/23 15:15
480-212326-3	BH-3 1-2.5	Solid	08/31/23 00:00	08/31/23 15:15
480-212326-4	BH-5 1-2	Solid	08/31/23 00:00	08/31/23 15:15
480-212326-5	BH-6 1-3	Solid	08/31/23 00:00	08/31/23 15:15
480-212326-6	BH-7 1-2.5	Solid	08/31/23 00:00	08/31/23 15:15
480-212326-7	BH-8 1-2	Solid	08/31/23 00:00	08/31/23 15:15
480-212326-8	BH-9 1-2	Solid	08/31/23 00:00	08/31/23 15:15
480-212326-9	BH-10 1-2	Solid	08/31/23 00:00	08/31/23 15:15
480-212326-10	BH-11 1-2	Solid	08/31/23 00:00	08/31/23 15:15
480-212326-11	BH-12 1-2	Solid	08/31/23 00:00	08/31/23 15:15
480-212326-12	BH-13 1-3	Solid	08/31/23 00:00	08/31/23 15:15
480-212326-13	MW-1	Water	08/31/23 13:15	08/31/23 15:15
480-212326-14	MW-2	Water	08/31/23 13:30	08/31/23 15:15

Job ID: 480-212326-1

<b>EUrOIIII'S BUITâlO</b> 10 Hazelwood Drive Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991	Chain o	Chain of Custody Record	Record		eurofins Environment Testing
Client Information	Sampler	Lab	Lab PM Beninati, John	Carrier Tracking No(s).	COC No. 480-188083-39665.1
Client Contact Mr. Joseph Gambino	Phone	E-Mail John.	E-Mail John.Beninati@et.eurofinsus.com	State of Origin.	Page: Page 1 of 2
Company. Brydges Engineering in Environment & Energy DPC		PWSID	ysis	Requested	Job #.
Address. 960 Busti Ave Suite B-150	Due Date Requested:				lš
Cıty Buffalo	TAT Requested (days):	0	1		A - HCL N - None B - NaOH O - AsNaO2 C - Zn Acetate D - Nazods
State, Zip. NY, 14213	Compliance Project: △ Yes △ No	07 70			
Phone 716-362-6533(Tel)	Po#. Purchase Order not required		51√ - m	θι	О
Email: jgambino@be3corp.com	WO#	,	(oĶ) tsid b ulmon	ş Ju	J - DI Water
Project Name. 166 E 4th Street, Dunkirk, NY	Project #: 48026864		fandari fandari fandari	s +1,4 + TICs	K - EDTA L - EDA
Site	:#MOSS		S \$24 S levexel levexe	SVOCs	Other:
Samula Idantification	Sample (	Sample Matrix Type Second (C=comp.)	Felderm MS/M 632_B24 - 1633 1964 - (MOD) H 010C, 7471B, 9 081B, 8082A, 8 860 - (MOD) P	0818 - Parl 375 0818 - Parl 375 270D - Parl 375 260C - Parl 375	otal Number (
Sample reminication	X	Preservation Code:	6 8 Z 8 Z 2 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	8 Z 8 Z 8 Z	Special Instructions/Note:
12-1 1-HB	4/21/2	Solid	× × ×		
RH-2 1-21		( Solid	× × ×		
15.2-1 5-48		(, Solid	XXXXX		
12-1 5-48		Solid	XXXX		
Bit-C 1-31		Solid	XXXX		
17-1 1-55		Solid	\ \ \ \ \ \ \ \ \ \		
,2-1 8-48		Solid	× × ×	480-212326 Chain of Custody	Sustody
12-1 5-48		Solid	× × × ×	-	
B14-10 (-21		Solid	\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.		
12-1 11-118		Solid	× × × × × × × × × × × × × × × × × × ×		
12-1 2)-48	>	Solid	× × × × × ×		
ant	Poison B 🙀 Unknown 🔲 Ra	Radiological	Sample Disposal ( A fee may be assessed if samples	assessed if samples are retai	are retained longer than 1 month)  Archive For Months
Deliverable Requested: I, II, III, IV, Other (specify)			Special Instructions/QC Requirements:		
Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:	
Reinfusted MI Stend in	Date/Time 8/3/123	S. Keompany B	E 3 Received by	Date/Time	Company
Reinguished by	Date/Time	Company	Received by:	Date/Time	Company
	Date/Time	Company	Received by:	Date/Time	23 1515 Company
Custody Seals Intact: Custody Seal No.: A Yes A No			Cooler Temperature(s) <sup>o</sup> C and Other Remarks:	Remarks: BILL OF	7 十 14(厅

Environment Testing

Cooler Temperatore(s) °C and Other Remarks.

Received by:

company

Date/Time

eceived by

Months

# Chain of Custody Record

Phone: 716-691-2600 Fax: 716-691-7991

Amherst, NY 14228-2298

10 Hazelwood Drive

**Eurofins Buffalo** 

🤃 eurofins

Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)

Return To Client Mont COC No. 480-188083-39665.2 Preservation Codes H - Ascorbic Acid Page: Page 2 of 2 I - Ice J - DI Water K - EDTA F - MeOH G - Amchlor E - NaHSO4 Total Number of containers Date/Time 7196A - Chromium, Hexavalent Method of Shipment 8560C - Part 375 VOCs + TICs State of Origin **Analysis Requested** 8270D - Part 375 SVOCs +1,4-dioxane 8081B - Part 375 Pesticides Special Instructions/QC Requirements 8082A - Part 375 PCBs 90128\_NP - Cyanide, Total Lab PM Beninati, John E-Mail John Beninati@et.eurofinsus.com 8560C - (MOD) Part 375 VOCs +TICS (LL Bulk) G0718, A1808, B1808 2010C, 7471B, 9012B sceived by 3617 - muimoridO finalexexaH (GOM) - A3617 1633\_B24 - 1633 B24 Standard List Perform MS/MSD (Yes or No) ime BT=Tissue, A=Air (Wewater, S=solid, O=wasts/oil, Preservation Code: Matrix Solid Water Water Water Radiological (C=comp, G=grab) Sample Type 0 ٥ OISW. S XX0 Purchase Order not required Sample 5 Time Date: (AT Requested (days): Unknown Compliance Project: Due Date Requested Sample Date Project #: 48026864 B :hone: Poison B Skin trritant Company: Brydges Engineering in Environment & Energy DPC Deliverable Requested: I, III, III, IV, Other (specify) 1-7 4 MM JAK J RH-13 166 E 4th Street, Dunkirk, NY 960 Busti Ave Suite B-150 Empty Kit Relinquished by igambino@be3corp.com Client Information Sample Identification Mr. Joseph Gambino 716-362-6533(Tet) Non-Hazard State, Zip: NY, 14213 Buffalo

Special Instructions/Note:

S - H2SO4 F - TSP Dodecahydrate

P - Na204S Q - Na2SO3 R - Na2S2O3

Z - other (specify)

V - MCAA W - pH 4-5 Y - Trizma U - Acetone

idnished by

Custody Seals Intact: Custody Seal No.

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-212326-1

Login Number: 212326 List Source: Eurofins Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Creator: Sabuda, Brendan D		
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	8.4 8.2 #1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

# APPENDIX D Previous Investigations



# PHASE I ENVIRONMENTAL SITE ASSESSMENT

# 166 EAST 4<sup>th</sup> STREET DUNKIRK, CHAUTAUQUA COUNTY, NEW YORK

Prepared for:

Regan Development Corporation 1055 Saw Mill River Road Ardsley, NY 10502 (914)-693-6613

Prepared by:



Brydges Engineering in Environment and Energy 960 Busti Ave Suite B-150 Buffalo, New York, 14213 716-249-6880

Prepared By:	Signature:	Date:	Title:
Jacob Cox, E.I.T.	Jacob Cix	06/2023	BE3 – Environmental Engineer
Reviewed By: Jason M. Brydges, P.E.	Signature:	<b>Date:</b> 06/2023	<b>Title:</b> BE3 – President

Brydges Engineering in Environment and Energy (BE3) completed a Phase I Environmental Site Assessment (ESA) for 166 East 4<sup>th</sup> Street, in the City of Dunkirk, Chautauqua County, New York (refer to attached figures in **Appendix A**). The Phase I ESA was completed for Regan Development Corporation in support of due diligence, for Brownfield Cleanup Program (BCP) application purposes, and to meet lender and NYSHCR requirements.

The subject property is located less than 0.5-miles southeast of Dunkirk Beach, about 2.7-miles west of the Chautauqua Airport and approximately 2.2-miles north-northwest of the State University of New York at Fredonia. The elevation is approximately 599 feet above sea level. The topography is relatively flat and slopes north-northwest. The general middle of the subject property is located at latitude 42° 29' 5.05" N; Longitude 79° 19' 50.00" W. The immediate area surrounding the subject property is predominantly commercial and the greater surrounding area is residential.

The Phase I Environmental Site Assessment was completed to meet the current Practice E 1527-21 (ASTM Standard). This Standard meets the Environmental Protection Agency (EPA) All Appropriate Inquiries (AAI) rule requirements. This Phase I ESA meets the updated aspects of the newly revised 2021 ASTM ESA which have been included in this Phase I ESA. The goal of the process established by the ASTM Standard is to identify, to the extent feasible pursuant to the ASTM process recognized environmental conditions relating to the property. The standard defines Recognized Environmental Conditions (RECs) as "the presence of hazardous substances or petroleum products in, on or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on or at the subject property under conditions that pose a material threat of a future release to the environment." A Historical Recognized Environmental Condition (HREC) is defined as "a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities, without subjecting the property to any controls (for example activity and use limitations, or other property use limitations)." A Controlled Recognized Environmental Condition (CREC) is defined as "a recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of controls (for example, activity and use limitations or other property use limitations)." The standard also identifies De Minimis Conditions, which generally do not present a threat to human health or the environment and would not be the subject of an enforcement action (i.e., not RECs or CRECs). The Non-Scope Considerations portion of the standard defines Business Environmental Risks (BERs) as a risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate.

In addition, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions - ASTM E 2600-10 - was also followed regarding Tier 1 vapor intrusion screening. Tier 1 is an initial screening which primarily includes a database review within certain search radii of the subject properties to identify sites where the conditions are such that vapor intrusion may likely be an issue of concern in connection with the subject property.

On June 15, 2023, the subject property was visually inspected.

The subject property, under the ownership of Beta of Dunkirk, LLC., is approximately 2.15-acres and irregularly shaped. The middle of the property contains a portion of a larger commercial plaza. The structure on the subject property contains two storefronts: the western storefront is currently occupied by Family Dollar and the adjacent storefront, a former VA clinic, is currently vacant. It is important to note that



the plaza is listed under the address of 166 East 4<sup>th</sup> Street, however, the structure located within the subject property boundaries is listed as 160-164 East 4<sup>th</sup> Street in historic street directories and in Chautauqua County records. The rest of the subject property is primarily covered by an asphalt parking lot, apart from green space located north of the building. The subject property is bounded to the west by TCC Health Care Facility and Lakeshore Orthopedics and Sports Medicine, to the south by a bank, to the east by a Save a Lot and parking area, and to the north by East 3<sup>rd</sup> Street. Residential properties are located north of East 3<sup>rd</sup> Street and south of East 4<sup>th</sup> Street.

Sanborn maps indicate that from 1888 to 1964, the subject property contained several residences. The area was redeveloped into commercial buildings which can be seen in aerial photographs dating back to 1985. Historical street directories indicate the subject property has been occupied by a Family Dollar from 1985 to 2020. Historically, the area surrounding the subject property was predominantly residential and commercial.

A more detailed summary of the subject property is covered in the body of the report.

Phase I ESA tasks included agency interviews, reconnaissance of the property and general area, and a review of government and historical records.

A review of readily available government agency records was conducted by BE3 using the government records search firm, EDR. The subject property was not listed in any government databases.

A review of additional governmental records of properties within the ASTM radius indicated a total of seventy-five (75) database records within the radius completed for the area. These included: six (6) RCRA-VSQG sites; two (2) SHWS sites; sixteen (16) LTANKS sites; eight (8) NY UST sites; one (1) NY CBS site; three (3) NY AST sites; one (1) NY CBS AST site; one (1) NY TANKS site; one (1) NY BROWNFIELDS site; two (2) US BROWNFIELDS sites; six (6) NY SPILLS; four (4) RCRA NonGen/NLR sites; one (1) FINDS site; one (1) ECHO site; two (2) NY DRYCLEANERS sites; nine (9) NY MANIFEST sites; two (2) PA MANIFEST sites; one (1) MINES MRDS site; one (1) EDR MGP site; three (3) EDR Hist Auto sites; and four (4) EDR Hist cleaner sites.

Specific database findings adjacent to/nearby the subject property are as follows:

- Padmount Trans 322 Park Ave/East 4th Street NY Spills # 0803418 (Closed)
- Michael Annalette 103 East 4<sup>th</sup> Street Historical Auto (Filling Station)
- Weaver Roy 131 East 4<sup>th</sup> Street Historical Auto (Filling Station)
- Jim's Dry Cleaners 157/159 East 4th Street Historical Cleaners
- Valone Dry Cleaning Co. 319 Main Street Historical Cleaners

It is unknown whether any impacts to the subsurface environment exist from these off-site sources. None of these properties have any records indicating a significant release that remains unclosed. The 10-gallon spill at 322 Park Avenue; approximately 3 drums of PCB impacted material were removed and the spill was closed. As this is downgradient to the subject property and the quantity of the spill was low, this does not represent a vapor concern for the subject property. Historical filling stations were located at 103 and 131 East 4<sup>th</sup> Street from 1969 to 1971. Sanborn maps indicate the presence of a tank in 1947 at 103 East 4<sup>th</sup> Street. Although no associated spills exist there are no closure records indicating the tank was properly removed. Thus, this may represent a potential vapor concern for the subject property.

This Phase I ESA assessed the need for a vapor intrusion assessment (VIA) of the property with regard to chemicals of concern (COC) that may migrate as vapors into existing or planned structures on a property. A vapor intrusion screen was performed using EDR's vapor intrusion database report and ASTM radius report



as well as a review of the historical documentation. A report was generated for the areas described above (refer to **Appendix E**). The potential for vapor intrusion exists at the subject property due to nearby property uses as filling stations and dry cleaners that are upgradient and in close proximity to the subject property.

#### Findings Summary (note, these will be repeated in the conclusion section of this report)

This Phase I ESA was completed in June 2023 for 166 East 4<sup>th</sup> Street (SBL 79.57-2-15.1) in Dunkirk, NY, as listed in this report. The Phase I ESA has been conducted as part of a due diligence review, for Brownfield Cleanup Program (BCP) application purposes, and to meet lender and NYSHCR requirements and has been prepared in accordance with the Phase I Environmental Site Assessment Practice E 1527-21 (ASTM Standard).

A lien search was completed, and no environmental liens were found.

#### **Data Gaps**

The ASTM standard requires that significant data gaps that affect the ability of the environmental professional to identify RECs be identified and that the sources of information that were consulted to address the data gaps be identified. The following data gaps exist for this Phase I ESA:

- Adjacent properties were not entered.
- Foil information has not been returned from New York State Department of Environmental Conservation (NYSDEC).

BE3's professional opinion is that these data gaps do not create a significant issue for our conclusions.

#### Conclusions/Recommendations

A Phase I Environmental Site Assessment has been completed in conformance with the scope and limitations of the ASTM Practice E1527-21 for the subject property located in the City of Dunkirk, Chautauqua County, New York. Any exceptions to, or deletions from, this practice are described in Sections 1.4 and 1.5 and data gaps are identified above in this section.

This assessment has revealed the potential for recognized environmental conditions (RECs) as follows:

- REC Adjacent property located at 131 East 4<sup>th</sup> Street was identified as a historic auto filling station that may represent a potential vapor concern for the subject property.
- **REC** Adjacent property located at 103 East 4<sup>th</sup> Street was identified as a historic auto filling station. A tank was identified on a 1947 Sanborn map. Although no associated spills exist, there are no closure records indicating the tank was properly removed. Thus, this may represent a potential vapor concern for the subject property.

This assessment has revealed the potential for business environmental risks (BERs) as follows:

- **BER** Adjacent property located at 157 East 4<sup>th</sup> Street was identified as a historic cleaner that may represent a potential vapor concern for the subject property.
- **BER** Adjacent property located at 159 East 4<sup>th</sup> Street was identified as a historic cleaner that may represent a potential vapor concern for the subject property.



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#### 1.0 INTRODUCTION

#### 1.1 PURPOSE

Brydges Engineering in Environment and Energy (BE3) completed a Phase I Environmental Site Assessment (ESA) for 166 East 4<sup>th</sup> Street, in the City of Dunkirk, Chautauqua County, New York (refer to attached figures in **Appendix A**). The Phase I ESA was completed for Regan Development Corporation in support of due diligence, for BCP purposes, and to meet lender and NYSHCR requirements.

The subject properties are located less than 0.5-miles south of Dunkirk Beach, about 2.7-miles west of the Chautauqua Airport and approximately 2.2-miles north-northwest of the State University of New York at Fredonia. The elevation is approximately 599 feet above sea level. The topography is relatively flat and slopes north-northwest. The general middle of the subject property is located at latitude 42° 29' 5.05" N; Longitude 79° 19' 50.00" W. The immediate area surrounding the subject property is predominantly commercial and the greater surrounding area is residential.

The ASTM standard practice defines a customary process for conducting an ESA on a property of commercial land with respect to CERCLA contaminants and petroleum products. Accordingly, the goal of the process is to identify recognized environmental conditions relating to the property through all appropriate inquiries into the current conditions and previous ownership and activities at the property and adjacent properties. The standard defines specific environmental conditions as follows:

**Recognized Environmental Conditions (RECs)** are defined in the ASTM Standard as the presence of hazardous substances or petroleum release or in, on, or at the subject property; (1) due to any release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

**Historical Recognized Environmental Condition (HREC)** is defined as a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to controls. (e.g., activity use limitations or other property use limitations). A historical recognized environmental condition is not a recognized environmental condition.

Controlled Recognized Environmental Condition (CREC) is defined as a recognized environmental condition affecting the subject property that has been addresses to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls. (e.g., activity and use limitations or other property use limitations).

The standard also identifies a **De Minimis Condition** as a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not RECs or CRECs.

The non-scope considerations portion of the standard also defines a **Business Environmental Risk** (**BER**) as a risk that can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate.



#### 1.2 PROPERTY LOCATION AND LEGAL DESCRIPTION

	ADDRESS	SBL	ACRES	OWNER
1	166 (160-164) East 4 <sup>th</sup>	79.57-2-15.1	2.15	Beta of Dunkirk, LLC
	Street			

Refer to Section 4.3 for a more detailed parcel description and Appendix I for further assessment information on the properties. See **Appendix A** for location.

#### 1.3 SCOPE OF SERVICES

The scope of services for this ESA was performed in accordance with American Society for Testing and Materials (ASTM) Standards E-1527-21, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" that incorporates the EPA All Appropriate Inquiries (AAI) rule and allows the user to qualify for landowner liability protections (LLPs). Specifically, the Phase I ESA included the following for the subject properties and adjacent properties, as applicable:

- research of the current land-use within 0.5 mile of the site (see Section 3.0)
- identification of known environmental problems within 1 mile of the site (see Section 3.0)
- a property reconnaissance that included visual observations of site and surrounding area
- research conducted at municipal offices
- acquisition and review of aerial photographs and historic maps and information
- acquisition and review of available local, state and city records and documents
- completion of a vapor encroachment screen

#### 1.4 SIGNIFICANT ASSUMPTIONS

The following items were assumed during the completion of this Phase I ESA:

- Information obtained from third parties is essentially complete and correct, or stipulated otherwise within the report;
- This report relates to assessment of environmental conditions on or affecting the subject property;
- As applicable to a property transaction, an inquiry into the ownership and previous uses of the property will qualify an individual for one of the threshold criteria for satisfying the LLPs (assuming compliance with the other CERCLA elements of defense); in addition, an inquiry should not be construed as not 'all appropriate' because it did not identify a REC associated with the subject property.

#### 1.5 LIMITING CONDITIONS, DEVIATIONS AND EXCEPTIONS

#### 1.5.1 Limiting Conditions

This report is based on information from field reconnaissance and visual observations of the subject property and the properties immediately surrounding; as well as interpretation of the available information and documentation reviewed and provided in the appendix. The property and this site assessment are limited to the footprint of the subject parcels. This report is intended for the sole use of Regan Development Corporation. The scope of services performed in this assessment may not be appropriate to satisfy the needs of other entities associated with the subject properties, and any re-use of this document or the findings, conclusions, or recommendations presented, is at the sole risk of the user.

The conclusions set forth in this report are based upon and limited by the government data and other



available information. As such and within the scope of the project, the accuracy of all data supplied by government entities and third parties could not always be verified. Therefore, we are not responsible for any conclusion contained in this report that is based on, in whole or in part, upon inaccurate data obtained from third parties.

It should be noted that all surface environmental assessments are inherently limited in the sense that conclusions are drawn, and recommendations developed from information obtained from limited research and site evaluation at a specific time. The passage of time may result in unknown site changes that have not been evaluated, and therefore a change in environmental circumstances at the subject property and surrounding properties or beneath the surface that may be present but undetectable during this Phase I ESA.

#### 1.5.2 Deviations

As stated in the ASTM standard 1527-21 all appropriate inquiry does not mean an exhaustive assessment of the subject property. There is a point at which the cost of information obtained, or the time required to gather it outweighs the usefulness of the information. One of the purposes for completing the Phase I ESA in accordance with the standard is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing ESAs and the reduction of uncertainty about unknown conditions resulting from additional information.

Professional legal or title insurance services are not provided by completing this document, and no guarantee explicit or implied has been made that the property assessment represents a comprehensive delineation of past site ownership or tenancy, land title or lien records. The work performed in conjunction with this assessment and the data developed are intended as a description of available information at the dates and locations given.

Formal interviews of all state/local governments, occupants, owners, operators, adjacent landowners were not conducted, and all adjacent structures or vacant properties were not observed/surveyed during the site reconnaissance as there were locations of inaccessibility. Based on the extent of the other information covered in this ESA, it is believed that the noted deviations do not impair the user's LLPs.

#### 1.5.3 Exceptions

The only exceptions beyond the standard Phase I ESA scope that were assessed in this report include information provided on radon, mold, asbestos containing materials, lead based paint, handling/disposal of PCB containing equipment and emerging contaminants. Additional considerations beyond the scope of this ASTM practice may be addressed in other documents, such as cultural and historic resources. The quality and quantity of material covered meets or exceeds the practice except where otherwise noted.

#### 1.6 USER RELIANCE

This report is intended for the sole use of Regan Development Corporation, who can use it for reference and rely upon the information, findings, and conclusions contained in this report. Only at the user's request will this report be granted to other parties for reliance.

#### 2.0 USER PROVIDED INFORMATION

If applicable and available to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the user must provide



information for use in this report. Failure to provide available information could result in a determination that all appropriate inquiry is not complete. The user is defined as the party seeking to use PRACTICE E 1527 to complete an ESA of the subject property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.

BE3 did not obtain information from Regan Development Corporation. BE3 has Freedom of Information Requests (FOIL) in with the City of Dunkirk and the NYSDEC. Any additional information obtained through the FOIL process will be sent to the client. BE3 believes the information obtained during the Phase I ESA together with all the other information assessed for this report qualifies the user for LLPs. User provided information is shown in **Appendices B and C.** 

#### 2.1 TITLE RECORDS

Land title records were not provided by the client but were obtained through EDR.

#### 2.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

An environmental lien search was obtained for the subject property. Regan Development Corporation was questioned regarding any Liens and AULs such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state, or local law. No information was provided to BE3 concerning environmental liens or activity and use limitations for the subject property.

#### 2.3 SPECIALIZED KNOWLEDGE

No additional specialized knowledge was indicated. The property user was questioned regarding any knowledge or experience of any environmental lien or AULs encumbering the property or in connection with the subject property or nearby properties. No environmental liens or activity and use limitations were reported for the subject property. No other information was provided to BE3 which would suggest environmental liens or AUL.

#### 2.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

The property user was questioned regarding any knowledge of any commonly known or reasonably ascertainable information within the local community about the subject property that is material to recognized environmental conditions in connection with the subject property. No additional information was provided to BE3 concerning any RECs.

#### 2.5 OTHER USER INFORMATION

This Phase I ESA is being performed for due diligence purposes, for BCP purposes, to meet lender and NYSHCR requirements, and to obtain a certain degree of liability protection regarding business environmental risk as contractor for future site development. The user has not provided records and information pertaining to the subject property.

#### 3.0 RECORDS REVIEW

A summary of the ASTM record search is provided below and in **Appendix D**. Refer to page 2-16 of the radius reports.



#### 3.1 STANDARD REGULATORY/TRIBAL ENVIRONMENTAL RECORDS

A review of readily available government agency records was conducted by BE3 using the government records search firm, EDR. The subject property was not listed in any government databases.

A review of additional governmental records of properties within the ASTM radius indicated a total of seventy-five (75) database records within the radius completed for the area. These included: six (6) RCRA-VSQG sites; two (2) SHWS sites; sixteen (16) LTANKS sites; eight (8) NY UST sites; one (1) NY CBS site; three (3) NY AST sites; one (1) NY BROWNFIELDS site; two (2) US BROWNFIELDS sites; six (6) NY SPILLS; four (4) RCRA NonGen/NLR sites; one (1) FINDS site; one (1) ECHO site; two (NY DRYCLEANERS sites; nine (9) NY MANIFEST sites; two (2) PA MANIFEST sites; one (1) MINES MRDS site; one (1) EDR MGP site; three (3) EDR Hist Auto sites; and four (4) EDR Hist cleaner sites.

Specific database findings adjacent to/nearby the subject property are as follows:

- Padmount Trans 322 Park Ave/East 4<sup>th</sup> Street NY Spills # 0803418 (Closed)
- Michael Annalette 103 East 4<sup>th</sup> Street Historical Auto (Filling Station)
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- Jim's Dry Cleaners 157/159 East 4th Street Historical Cleaners
- Valone Dry Cleaning Co. 319 Main Street Historical Cleaners

It is unknown whether any impacts to the subsurface environment exist from these off-site sources. None of these properties have any records indicating a significant release that remains unclosed. The 10-gallon spill at 322 Park Avenue; approximately 3 drums of PCB impacted material were removed and the spill was closed. As this is downgradient to the subject property and the quantity of the spill was low, this does not represent a vapor concern for the subject property. Historical filling stations were located at 103 and 131 East 4<sup>th</sup> Street from 1969 to 1971. Sanborn maps indicate the presence of a tank in 1947 at 103 East 4<sup>th</sup> Street. Although no associated spills exist there are no closure records indicating the tank was properly removed. Thus, this may represent a potential vapor concern for the subject property.

#### 3.2 ADDITIONAL ENVIRONMENTAL RECORDS

#### 3.2.1 City Offices

The City of Dunkirk offices were contacted through the FOIL process for this ESA. No additional information was obtained that was not already discovered through other sources.

#### 3.2.2 County Offices

County and City GIS was reviewed to obtain some information concerning parcels. County Assessment information was reviewed at the following web page: <a href="https://example.com/">Chautauqua County Parcel Viewer 2.0 (arcgis.com)</a>

Information obtained is presented in Section 1.2 and included in **Appendix I.** 

#### 3.2.3 New York State Department of Environmental Conservation

NYSDEC records were requested through their FOIL system. No records were obtained as of this writing; however, government and historical database records were obtained from a property due diligence service, which would contain the information available through FOIL. This information is provided in various sections in this report.



#### 3.2.4 Previous Environmental Studies/Historical Data

BE3 was not provided with and did not find any specific environmental reports or data on the subject property beyond the historical information described in other sections of this report.

#### 3.3 PHYSICAL SETTING SOURCES

Current and historical topographic maps that show the area of the subject property were reviewed and are presented in Appendix F. These maps and the additional physical setting sources from the Radius Map Report provide details of geologic, hydrogeologic, hydrologic, and topographic characteristics of the subject property and surrounding area to assess the impact of potential RECs relating to the subject property.

#### 3.3.1 Topography and Drainage

Property surface features and drainage were determined through a combination of site reconnaissance, previous environmental reports and a review of both aerial photographs and topographic maps. The topography is relatively flat and slopes north-northwest. Surface water is directed to town streets and low spots in properties. In general groundwater most likely flows north-northwest towards Lake Erie.

#### 3.3.2 Site Geology and Hydrogeology

Topography. The project area is situated within the Erie Lake Plain physiographic province, one of the two physiographic provinces of Erie County (the Allegheny Plateau is the other). The lake plain province is located along Lake Erie and its topography is typical of an abandoned lakebed with little significant relief except for narrow ravines carved by the area's streams. Although the project area is relatively flat, this topography is by no means natural. The current landscape is a result of nearly two centuries of alteration and development.

Geology. The project area is underlain by shales and siltstones of the Upper Devonian Canadaway Group. The stratigraphy of the site included foundry sand fill type material of various thickness from surface to approximately two feet but up to over four feet in some cases. Underlying this material is yellowish-brown sand of lacustrine origin. This material is underlain by a blue grey till which extends to approximately 18.5 feet where the grey Dunkirk Shale of the Canadaway Group is encountered.

Soils. The soils map of Dunkirk identifies this area as Urban Land (Ud) and Niagara Silt Loam (NgB). The Niagara series consists of very deep, somewhat poorly drained soils formed in silty glacio-lacustrine deposits. This soil is in level to slightly concave areas on lake plains and in valleys. Slope ranges from 0 to 15 percent.

#### 3.3.3 Hydrology and Waterbodies

Various agencies are involved with wetlands and surface water bodies at the federal and State levels, such as FEMA, NYSDEC, and US Fish and Wildlife. In general, vegetation and saturated soil are observed as critical items for sensitive areas, including the presence of hydric soils that are defined as soils saturated or flooded at least one week during the growing season that develop anaerobic conditions. For the target property, no surface water bodies, or wetland areas are located within the property area. The topographic maps indicate wet areas in the general area which may include portions of the property. BE3 suggests consideration of wetland survey or discussions with the city regarding development of the site with regard to wetlands. The surrounding water bodies are discussed above. Topography also suggests runoff generally flows towards the north-northwest and to adjacent streets and low spots on the property.



#### 3.4 HISTORICAL USE INFORMATION

Several sources were used to develop a historical use profile for the subject property discussed in this report, and included:

- Aerial photographs
- Fire insurance or Sanborn maps
- Recorded land title records
- USGS topographical maps
- Local street directories
- Building department records and
- Land/zoning use records
- Other sources from the NYSDEC or additional city departments

#### 3.4.1 General Current Characteristics

The subject property, under the ownership of Beta of Dunkirk, LLC., is approximately 2.15-acres and irregularly shaped. The middle of the property contains a portion of a larger commercial plaza. The structure on the subject property contains two storefronts: the western storefront is currently occupied by Family Dollar and the adjacent storefront, a former VA clinic, is currently vacant. It is important to note that the plaza is listed under the address of 166 East 4th Street, however, the structure located within the subject property boundaries is listed as 160-164 East 4th Street in historic street directories and in Chautauqua County records. The rest of the subject property is primarily covered by an asphalt parking lot, apart from green space located north of the building. The subject property is bounded to the west by TCC Health Care Facility and Lakeshore Orthopedics and Sports Medicine, to the south by a bank, to the east by a Save a Lot and parking area, and to the north by East 3rd Street. Residential properties are located north of East 3rd Street and south of East 4th Street.

#### 3.4.2 Subject Property Use Summary

Historically, the area surrounding the subject property was predominantly residential and commercial. Sanborn maps indicate that from 1888 to 1964, the subject property contained several residences. The area was redeveloped into commercial buildings which can be seen in aerial photographs dating back to 1985. Historical street directories indicate the subject property has been occupied by a Family Dollar from 1985 to 2020 and a VA clinic from 2010 to 2020. The VA clinic is currently vacant.

#### 3.4.3 Adjacent Property Use

Historical records indicate the area surrounding the subject property was of mixed use, mainly residential shanties, dwellings, and some small commercial stores in the early 1900's. Dwelling and larger residential structures became more prominent as the area continued to be developed. The area was then redeveloped for new use in the late 1970's and currently contains only commercial businesses including a Dollar General, Save a Lot, a bank, Walgreens, and convenient store. The peripheral area remains residential to the north and south of the subject property.

#### 3.4.4 Aerial Photographs

BE3 obtained a series of Aerial Photograph maps of the general area from EDR including ones from 1956, 1970, 1985, 1994, 2008, 2011, 2015 and 2019.



No additional information was obtained from the aerial photographs.

The aerial photographs are contained in **Appendix G**.

#### 3.4.5 Sanborn Maps

Historical Sanborn maps and topographic maps of the area covering the subject property were obtained through Environmental Data Resources, Inc. (EDR), an environmental risk management firm. Historical Sanborn maps for this property and adjacent properties were available for the following years: 1888,1893, 1898, 1904, 1910, 1919, 1931, 1947, and 1964.

# 1888, 1893, 1904, and 1910 Sanborn Maps

The subject property is shown to contain many shanties, or crudely built shacks or cabins. In 1893, many of these were converted to dwellings, as well as a meat store and repair shop. In 1904, the dwellings were updated to contain multiple 2-story residences.

# 1919, 1931, 1947 and 1964 Sanborn Maps

The subject property is shown to contain multiple 2 story residential dwellings, a small storefront and a meat shop. Over time, there has been an increase in the number of residences and storefronts on the property.

Sanborn Maps are in **Appendix H**.

# 3.4.6 Property Title, and Lien Information

Current/Recent Title and tax assessor information was reviewed online at the County and City web site. An environmental lien search was completed by EDR for the subject property. No environmental liens were identified on the subject property. A summary of recent title information is provided below:

Address (SBL)	Sale Date	From	То
79.57-2-15.1	9/20/1988	County of Chautauqua	Rita M. Lombardo
79.57-2-15.1	12/12/1989	Rita M. Lombardo	Paul A. Pellicano
79.57-2-15.1	11/06/1991	Paul A. Pellicano	Peter J. Schmitt Company Inc.
79.57-2-15.1	12/07/1993	Peter J. Schmitt Company Inc.	The Penn Traffic Company
79.57-2-15.1	06/02/2005	The Penn Traffic Company	Geoff Jenkins
79.57-2-15.1	06/02/2005	Geoff Jenkins	Beta of Dunkirk, LLC

#### 3.4.7 USGS Topographical Maps

BE3 obtained a series of historic topographic maps of the general area from EDR including ones from 1900, 1943, 1947, 1954, 1955, 1976, 1979, 2013, 2016 and 2019. These maps do not offer any additional information concerning the subject properties.

# 3.4.8 Local Street Directories & Historical Use

Historic Street directories for the subject properties and adjacent properties were reviewed for the years 1964, 1968, 1968, 1968, 1992, 1995, 2000, 2005, 2010, 2014, 2017, and 2020. Information was provided



for the subject properties regarding property use that was discussed in previous sections. A copy of street directories compiled by EDR is presented in Appendix J.

# 3.4.9 Building Department and Land/Zoning Records

Information from the City of Dunkirk was requested under FOIL and no records were available for the subject property or adjacent properties at 103 and 131 East 4th Street.

Building permits were also obtained through EDR. No environmentally relevant permits were identified for the subject properties or surrounding properties.

# 4.0 SITE RECONNAISSANCE

# 4.1 OBJECTIVES, OBSERVATIONS, AND METHODOLOGY

A site reconnaissance was conducted to inspect physical features and make general observations regarding the subject property and vicinity with respect to the likelihood of identifying REC's. The following tasks were completed:

- visual inspection of the subject property and surrounding property was conducted to identify
  potential environmental impacts existing on the subject property or from adjacent areas;
- various property features were photographed as the accessible portions of the site were systematically walked to obtain as close to 100% coverage as possible;
- visual surface observations were made to identify any evidence of spills, such as stained soil/concrete or vegetative stress;

The results of the reconnaissance are summarized below to provide a representation of subject property uses and conditions at the time of the site visit. Any limitations that existed during the reconnaissance such as physical obstructions were documented. A photographic record of the site visit is included in **Appendix K.** 

#### 4.2 GENERAL SITE SETTING

The subject property is located less than 0.5-miles south of Dunkirk Beach, about 2.7-miles west of the Chautauqua Airport and approximately 2.2-miles north-northwest of the State University of New York at Fredonia. The elevation is approximately 599 feet above sea level. The topography is relatively flat and slopes north-northwest. The general middle of the subject property is located at latitude 42° 29' 5.05" N; Longitude 79° 19' 50.00" W. The immediate area surrounding the subject property is predominantly commercial and the greater surrounding area is residential.

# 4.3 SUMMARY OF EXTERIOR AND INTERIOR OBSERVATIONS

The subject property, under the ownership of Beta of Dunkirk, LLC., is approximately 2.15-acres and irregularly shaped. The middle of the property contains a portion of a larger commercial plaza. The structure on the subject property contains two storefronts: the western storefront is currently occupied by Family Dollar and the adjacent storefront, a former VA clinic, is currently vacant. It is important to note that the plaza is listed under the address of 166 East 4<sup>th</sup> Street, however, the structure located within the subject property boundaries is listed as 160-164 East 4<sup>th</sup> Street in historic street directories and in Chautauqua



County records. The rest of the subject property is primarily covered by an asphalt parking lot, apart from green space located north of the building. The subject property is bounded to the west by TCC Health Care Facility and Lakeshore Orthopedics and Sports Medicine, to the south by a bank, to the east by a Save a Lot and parking area, and to the north by East 3<sup>rd</sup> Street. Residential properties are located north of East 3<sup>rd</sup> Street and south of East 4<sup>th</sup> Street.

4.3.1 Treatment, Storage, or Disposal Facilities (TSDF)

The subject property is not historically or currently associated with treatment, storage or disposal.

4.3.2 Hazardous Waste/Substances/Drums/Containers

No hazardous waste or substances were observed. See photos in Appendix K.

4.3.3 Aboveground/Underground Chemical/Petroleum Storage Tanks (AST/UST)

No evidence of AST/USTs were found during the site reconnaissance.

4.3.4 PCB Containing Equipment

Lighting potentially containing PCBs was observed. A Padmount transformer was observed in the southeast corner of the property.

4.3.5 Stains, Spills, Stressed Vegetation

No stains or spills were noted.

4.3.6 Landfills/Dumping Activities/Solid Waste/Wastewater

Visual observation did not reveal any significant dumping activities.

4.3.7 Pits, Sumps, and Wells

No pits, sumps or wells were observed in the areas walked during the site visit and there is no history or records of these associated with the subject property.

4.3.8 Ponds and Lagoons

No ponds or lagoons are associated with the subject property.

4.3.9 Coastal Areas

The subject property is located less than half a mile southeast of Lake Erie.

4.3.10 Odors and Vapor Intrusion Assessment

No odor was noted on the subject properties. A vapor encroachment screen is addressed in Section 4.4.

4.3.11 Potable Water Supply

Future potable water supply would be from the City of Dunkirk.



# 4.3.12 Sewage Disposal System

Future sewage is assumed to run to municipal combined sewer system.

#### 4.3.13 Heating/Cooling

The heating and cooling system within the subject property is powered by natural gas.

# 4.4 VAPOR ENCROACHMENT SCREEN

Vapor intrusion is an indoor air quality issue that develops when volatile chemicals from impacted soil or groundwater evaporate into the air of overlying buildings. This is very similar to the process through which naturally occurring radon gas seeps into structures and buildings. Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions - ASTM E 2600-10 is the guideline used to assess the need for a vapor intrusion assessment (VIA) of a property. The goal of a VIA is to identify whether a vapor intrusion condition (VIC) exists or is likely to exist on the property (i.e., presence or likely presence of a COC in indoor air from the vapor of a contaminated soil or groundwater at a concentration that presents or may present an unacceptable health risk to occupants). This should not include de minimis conditions that are trace concentrations or do not normally represent an unacceptable risk and that generally would not be subject to enforcement actions.

This Phase I ESA assessed the need for a vapor intrusion assessment (VIA) of the property with regard to chemicals of concern (COC) that may migrate as vapors into existing or planned structures on a property. A vapor intrusion screen was performed using EDR's vapor intrusion database report and ASTM radius report as well as a review of the historical documentation. A report was generated for the areas described above (refer to **Appendix E).** The potential for vapor intrusion exists at the subject property due to nearby property uses as filling stations and dry cleaners that are upgradient and in close proximity to the subject property. Sanborn maps obtained through EDR indicate the presence of a tank in the year 1947 at 103 East 4<sup>th</sup> Street. Foil requests have been sent to the NYSDEC and the City of Dunkirk to obtain more information. The City of Dunkirk responded indicating no records were available for the subject properties and the NYSDEC has not returned any records as of writing this.

Specific database findings adjacent to/nearby the subject property are as follows:

- Padmount Trans 322 Park Ave/East 4<sup>th</sup> Street NY Spills # 0803418 (Closed)
- Michael Annalette 103 East 4<sup>th</sup> Street Historical Auto (Filling Station)
- Weaver Roy 131 East 4<sup>th</sup> Street Historical Auto (Filling Station)
- Jim's Dry Cleaners 157/159 East 4th Street Historical Cleaners
- Valone Dry Cleaning Co. 319 Mian Street Historical Cleaners

It is unknown whether any impacts to the subsurface environment exist from these off-site sources. None of these properties have any records indicating a significant release that remains unclosed. The 10-gallon spill at 322 Park Avenue was closed; approximately 3 drums of PCB impacted material were removed, and secondary containment built around new pad mount.

Historical filling stations were located at 103 and 131 East 4<sup>th</sup> Street. Sanborn maps indicate the presence of a tank in 1947 at 103 East 4<sup>th</sup> Street. Although no associated spills exist there are no closure records indicating the tank was properly removed. Thus, this may represent a potential vapor concern for the subject property.



#### **INTERVIEWS CONDUCTED** 5.0

# 5.1 OWNER

The owner of the property was not interviewed. The property contains a commercial structure occupied by a Family Dollar and vacant storefront, formerly a VA clinic.

# 5.2 SITE MANAGER

The site manager(s) were not interviewed.

#### 5.3 OCCUPANTS

The subject property is currently occupied by a Family Dollar and is open for business. The adjacent storefront on the subject property is vacant.

# 5.4 LOCAL GOVERNMENT OFFICIALS

A FOIL request was made to the City of Dunkirk and to the NYSDEC Region 9 office. As of this writing no information has been obtained from the DEC. The City of Dunkirk's response indicates that no records were available. Some information was obtained concerning assessor information which confirmed the information generated through other sources. Additional information will be amended to this report as appropriate and as further obtained from DEC personnel.

# 5.5 OTHERS/ADJACENT PROPERTY OWNERS

The owners and owner's representatives of adjacent properties were not contacted. Adjacent properties were commercial.

#### 6.0 FINDINGS, OPINIONS, AND CONCLUSIONS

This Phase I ESA was completed in June 2023 for 166 East 4th Street (SBL 79.57-2-15.1) in Dunkirk, NY as listed in this report. The Phase I ESA has been conducted as part of a due diligence review, for BCP purposes, and to meet lender and NYSHCR requirements and has been prepared in accordance with the Phase I Environmental Site Assessment Practice E 1527-21 (ASTM Standard). A lien search was completed, and no environmental liens were found.

The ASTM standard requires that significant data gaps that affect the ability of the environmental professional to identify RECs be identified and that the sources of information that were consulted to address the data gaps be identified. The following data gaps exist for this Phase I ESA:

- Adjacent properties were not entered.
- Foil information has not been returned from New York State Department of Environmental Conservation (NYSDEC) as of writing this.

BE3's professional opinion is that these data gaps do not create a significant issue for our conclusions.



#### **Conclusions/ Recommendations**

A Phase I Environmental Site Assessment has been completed in conformance with the scope and limitations of the ASTM Practice E1527-21 for the subject property located in the City of Dunkirk, Chautauqua County, New York. Any exceptions to, or deletions from, this practice are described in Sections 1.4 and 1.5 and data gaps are identified above in this section.

This assessment has revealed the potential for recognized environmental conditions (RECs) as follows:

- **REC** Adjacent property located at 131 East 4<sup>th</sup> Street was identified as a historic auto filling station that may represent a potential vapor concern for the subject property.
- **REC** Adjacent property located at 103 East 4<sup>th</sup> Street was identified as a historic auto filling station. A tank was identified on a 1947 Sanborn map. Although no associated spills exist, there are no closure records indicating the tank was properly removed. Thus, this may represent a potential vapor concern for the subject property.

This assessment has revealed the potential for business environmental risks (BERs) as follows:

- **BER** Adjacent property located at 157 East 4<sup>th</sup> Street was identified as a historic cleaner that may represent a potential vapor concern for the subject property.
- **BER** Adjacent property located at 159 East 4<sup>th</sup> Street was identified as a historic cleaner that may represent a potential vapor concern for the subject property.

# 7.0 NON-SCOPE SERVICES

# 7.1 Radon

Radon is a naturally occurring radioactive gas that is a daughter product within the uranium-238 decay chain and has been associated with increased risk of developing lung cancer. It is colorless, odorless, and tasteless and can be found in high concentrations in soils and rock in the subsurface. Radon can migrate through small fractures into structures through floors and walls, drains, sump pipes and pores. The concentrations that occur within structures are dependent upon source quantity, radioactive decay, and ventilation.

Surveys across the US indicate that as many as 21 percent of homes may exceed the maximum radon level suggested by the U.S. Environmental Protection Agency (EPA). Exposure levels can be quite variable depending on the amount of time spent in the home and the percentage of that time spent in the high-radon areas. Outdoor concentrations of radon gas tend to be minimal. Radon exposure is typically measured in picocuries per liter (pCi/L). The EPA and NYSDOH strongly recommend that property owners take remedial action if the levels recorded are higher than 4 pCi/L.

The subject property is located within the City of Dunkirk, Chautauqua County, New York. As of November 2021, The New York State Health Department reports that a total 72 homes have been screened for radon in the City of Dunkirk. The average radon level in the City is reported as 1.86 pCi/L.(basement). Further, 66 of the homes screened were less than 4 pCi/L, 5 had levels from 4 to 20 pCi/l and only 1 was greater than 20 pCi/L. (source: <a href="https://www.health.state.ny.us/nysdoh/radon/Citys.htm">www.health.state.ny.us/nysdoh/radon/Citys.htm</a>)



## 7.2 Mold

Mold can germinate and colonize when a food source (drywall, wood, insulation, paper, etc.) is present accompanied by ideal temperatures and moisture content. Structural leaks often lead to accelerated mold growth, and the odor commonly associated with mold is from microbial volatile organic compounds (mVOCs). Some mold produces various mycotoxins that are considered toxic and may have negative health effects on humans.

The subject property was vacant. No overt mold was observed.

# 7.3 Asbestos Containing Material/Lead-Based Paint

Asbestos is a naturally occurring material fiber that was once widely used in building materials and products for its thermal insulating properties and fire resistance. EPA defines asbestos- containing material (ACM) as material that contains more than 1% asbestos.

Lead is a soft, bluish metallic element that has been used in a variety of products. According to EPA, paint manufacturers frequently used lead as a primary ingredient in many oil-based interior and exterior house paints through the 1940s and generally decreased its use in the 1950s and 1960s as latex paints became more widespread. The federal Department of Housing and Urban Development (HUD) estimated that 75% of the houses built in the United States before 1978 contain some lead-based paint. Lead from paint, chips, and dust can pose health hazards if not properly managed.

The subject property was vacant. No asbestos containing material or lead-based paint was observed, however, due to the limited inspection, the possibility still exists.

# 7.4 Emerging Contaminants

Per- and polyfluoroalkyl substances (PFAS) are contaminants used in many products and have been linked to health issues. New York State has been developing drinking water standards, also called maximum contaminant levels (MCLs) to address these contaminants, starting with the two most common PFAS: perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS). Public drinking water with PFOA or PFOS above the MCLs must be treated to reduce the levels below the MCL. Common products containing PFAS include paint and varnish, pesticides and insulation of electrical wires.

No materials indicative of PFAS were observed on the subject property.

# 8.0 REFERENCES

- 1) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-21, Copyright ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428.
- Standards and Practices for All Appropriate Inquiries. Federal Register: November 1, 2005 (Volume 70, Number 210)] [Rules and Regulations]. Environmental Protection Agency 40 CFR Part 312.
- 3) ASTM Standard E 2600-10, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.
- 4) The EDR Radius Map with Geocheck. Environmental Data Resources, Inc., 440 Wheelers Farms Road, Milford, Connecticut 06461.
- 5) Certified Sanborn Map Report. Environmental Data Resources, Inc., 440 Wheelers Farms Road,



Milford, Connecticut 06461.

6) The EDR Aerial Photograph and Topo Map Decade Package. Environmental Data Resources, Inc., 440 Wheelers Farms Road, Milford, Connecticut 06461.

# 9.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in 312.10 of 40CFR312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquires in conformance with the standards and practices set forth in 40 CFR 312.

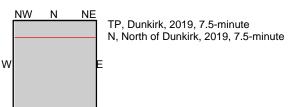
Mr. L. M.

Jason M. Brydges, P.E.

In accordance with the ASTM Standard, A Phase I Environmental Assessment must be performed by an environmental professional meeting certain minimal requirements. BE3 credentials far exceed these minimum credentials. Resumes for individuals that developed this Phase I Environmental Assessment are provided in **Appendix M**.

Date: 06/2023

# Appendix A Property Maps



SW

S

SE

SITE NAME: 166 East 4th Street

ADDRESS: 166 East 4th Street

Dunkirk, NY 14048

CLIENT: BE3



# CHAUTAUQUA COUNTY PROPERTY INFORMATION

LOCATION: 160-164 E Fourth St, Dunkirk SBL (NEW): 79.57-2-15.1 (OLD): 14-2-1

# □ PROPERTY INFORMATION

Owner Name	Beta of Dunkirk LLC	Neighborhood Code	300
Total Assessed Value (73.00% Market)	\$172,000	School District Code	060300
Full Market Value	\$235,600	SWIS Code	060300
Land Value	\$26,000	Parcel Status	ACTIVE
Property Type	452 - Nbh shop ctr	County Taxable	\$172,000
Lot Size	Acres: 2, Front:0, Depth:0	Town Taxable	\$172,000
Mailing Address 1	2109 Hyde Park Blvd	School Taxable	\$172,000
Mailing Address 2		Village Taxable	\$0
Mailing City, State	Niagara Falls, NY	Tax Code	
Mailing ZIP Code	14305	Bank Code	
Description #1	Includes 14-2-2-11.1, 18-34.1,	Deed Book	
Description #2	14-3-1 - 10.l & 19.1-27	Deed Page	
Description #3	14-2-1	Year Built	-
Roll Year	2021	Last Sale Date	

# **III** PHYSICAL INFORMATION

# of Bedrooms		Home/Building Style -
# of Baths	-	Structure Year Built -
# of Fireplaces		Square Footage
# of Kitchens		1st Story Sq. Ft.
# of Stories		2nd Story Sq. Ft.
<b>Construction Quality</b>	-	Additional Story Sq. Ft.
Utilities	Gas & elec	1/2 Story Sq. Ft.
Sewer Type	Comm/public	3/4 Story Sq. Ft.
Water Type	Comm/public	Finished Over Garage Sq. Ft.
Waterfront Type	-	Finished Attic Sq. Ft.
Overall Condition	-	Finished Basement Sq. Ft.
Exterior Wall	-	Unfinished 1/2 Story Sq. Ft.
Basement Type	-	Unfinished 3/4 Story Sq. Ft.
Heat Type	-	Unfinished Room Sq. Ft.
Fuel Type	-	Unfinished Over Garage Sq. Ft.
Central Air	-	Total Living Area
Road Type		Finished Rec Room Sq. Ft.

# **LATEST OWNER**

See latest property owner on the Chautauqua County Parcel History Database

# TT COMMERCIAL INFORMATION

Property Class: Nbh shop ctr Bldg Sq Ft: 10,000 Assessment/Sq Ft: 23

Buildings: Site # Bldg # Act. Yr. Built Eff. Yr. Built

1 1 1985

**Property Use:**Click on site's row
for details

Site #	Use #	Used As	Rent Sq Ft	Acres	Rent Type
1	1	Nbhd center	10,000	2	

# **苗 HISTORICAL INFORMATION**

Owner History Deed Book Deed Page Sale Date Valid Sale Sale Price

# IMPROVEMENT INFORMATION

Structure Size Grade Condition Year Built

# EXEMPTIONS

Code Description Amount Exempt Percent Start Year End Year

# PHOTO

# Image Not Available

# **MAP**



# **TOMPARABLE SALES**

Comparable sales not available for this property.

**©** COMPARABLE ASSESSMENTS

Comparable assessments not available for this property.

# Appendix B User Questionnaire

# PHASE I ESA SITE BACKGROUND QUESTIONNAIRE

User Information:	
Name: Regan Deve	lopment Corporation
Title/Relation to Proper	erty:
Address: 1055 Saw Mill	River Rd #204
Ardsley, NY, 1	10502
Phone Number: 914-693-6613	
Signature:	
Total Square Feet	PROPERTY SPECIFICATIONS  Number of Units
Legal Description: Section 79.57, Blo	
General Description: Currently vacant b	ouildings in a shopping mall
Nearest intersection:	Park Ave and E 3rd Street
Approximate age of or	nsite buildings: 16-43 years depending on building (built in 2980/2007
	0 acres of undeveloped land:

Does site have over 1 acre of naturally vegetated land: Unknown



Yes

No

Identify any environmental proceedings involving the property such as any pending, threatened, or past litigation, administrative proceedings relative to hazardous or petroleum substances, or any notices of violations from a government entity regarding environmental substances.

Unknown

Provide a property survey and building layout diagrams.

# **BACKGROUND & USE**

Is the property currently used or has it previously been used as an industrial or manufacturing operation, gasoline station, motor repair facility, commercial printing facility, dry cleaner, photo developing laboratory, junkyard, landfill, or waste treatment, storage, disposal, processing or recycling facility?

Yes No

Unknown

Are any adjacent properties currently or have previously been used as an industrial or manufacturing operation, gas station, motor repair facility, commercial printing facility, dry cleaner, photo developing laboratory, junkyard, landfill, or waste treatment, storage, disposal, processing or recycling facility?

Unknown

Are there any surface water bodies on the site (ponds, ditches, rivers, etc.?)
Yes No Unknown

If yes, is there an oil sheen or any discoloration to the surface water? Yes No Unknown N/A

Are there currently or have there been previously any damaged or discarded automotive or industrial batteries, pesticides, paints or other chemicals in individual containers greater than five gallons in volume or fifty gallons in aggregate, stored or used at the property?

Yes No

Unknown

Are there currently or have there been previously any industrial drums or chemicals located on the property? Yes No Unknown

Are there currently or have there been previously any pits, ponds or lagoons on the property connected with waste water, waste treatment or waste disposal? Yes No Unknown

Has fill material been brought to the site, as may or may not be indicated by unueual mounds, depressions or sink holes?

Yes No Unknown

If yes is there any evidence that the fill was anything but clean soil (i.e., trash, construction debris, etc.)?

Yes No Unknown

Have any demolition debris, hazardous substances, petroleum products, unidentified waste materials, automotive or industrial batteries, tires, trash or refuse been dumped, buried or burned on the property?

Yes

No Unknown

Has the facility or the property ever generated, treated, stored, transported or disposed of hazardous waste or hazardous substances other than on an incidental basis?

Yes No Unknown

If yes, what type of materials and what quantities?

Has any such hazardous waste or hazardous substance resulted in the occurrence of cleanup costs, liabilities or responsibilities?

Yes No Unknown

Are there currently or have there been previously any underground storage tanks (USTs) on the property?

Yes No ( Unknown

If yes, provide permits, closure reports and regulatory agency correspondence; and answer the following questions:

Is the tank still present?	Yes	No	Unknown
Did the current tank replace a pre-existing tank?	Yes	No	Unknown
Was contamination found when tank was closed/removed?	Yes	No	Unknown
Was the tank installed prior to 1988?	Yes	No	Unknown
Has a leak detection system been installed?	Yes	No	Unknown
Has the tank ever been leak tested?	Yes	No	Unknown
Did the tank(s) ever fail the leak test?	Yes	No	Unknown

Has there ever been a reported or unreported release or spill (including failed leak tests from the tank?

Yes No

Are there currently or have there been previously any above ground storage tanks (ASTs) on the property?

Yes No Unknown

Unknown

If yes, provide details.	Yes	No (	Unknown
Are there currently or previously to the best of your knowledge access ways indicating a fill pipe protruding from the ground of structure located on the property?  Unknown			
Are there currently or have there been previously any flooring facility that are or have been stained by substances (or, in the ownter or are emanating foul odors?  Unknown			
Is there currently or has there been previously any stained so property?	oil or distr	essed No	vegetation on th Unknown
Is or has the property been served by a private water well?	Yes	No	Unknown
If yes, is groundwater under the property used as a source of o	drinking w Yes	ater? No	Unknown
Has the water from the well ever been tested?	Yes	No	Unknown
If yes, provide details and submit diagrams/drawings.			
Has the well water been identified as contaminated by any gove	rnmental Yes	agency No	y or private entity Unknown
Are there any groundwater monitoring wells on the property?	Yes	No	Unknown
If yes, provide details and submit diagrams/drawings.			
Does the property discharge waste water on or adjacent to sanitary sewer system? Municipal System Unknown	the prop	erty or Yes	into a municip No

Are there any oil, natural gas, water or sewer pipelines on the property that are not maintained by state or local utilities?

Yes No Unknown



Are there any septic systems, dry wells or leach fields on the proper Unknown	erty?	Yes	No
If yes, submit diagrams/drawings.  Have hazardous substances or petroleum products ever been disc	harae	ed to the	se systems?
Unknown		Yes	No
Are the systems properly permitted?	Yes	No (	Unknown
Are the systems operating property?	Yes	No	Unknown
Has any monitoring or testing of the systems indicated that conta exceed standards or guidelines?  Unknown	amina	ants hav Yes	e been found to No
Is there a transformer, capacitor or any hydraulic equipment on the	prop	erty or r Yes	elated facilities? No
Do records indicate the presence of PCBs related to same?	Yes	No	Unknown
Has an environmental or compliance assessment, audit or survey property or related facilities or structures?  Unknown	ever	been p	erformed on the No
If yes, did the environmental assessment indicate the presence o contamination or non-compliance with environmental law?  Was the contamination cleaned up or non-compliance corrected?	f any Yes Yes	potentia No No	unknown
Are there wetlands on the property?	Yes	No	Unknown
Is the property or related facilities or intended use or development state, federal or local environmental quality review act determ NEPA/SEQRA)?  No Unknown If yes, provide details.	ninati	ons or	approvals (e.g., Yes
will need SEORA reson for HCR	SUL	m5510	^
Is the property or related facilities or intended use of the property maintaining environmental permits or approvals from governmental	entit	ties?	
If yes, if the permit or approval is not obtained, could this have a m		No ally adve	Unknown erse effect on the

intended use of the property or borrower's operations? Is the property or related facilities or intended use of the property dependent upon continued use

Unknown

(Yes ) No

of any particular chemical substance? Yes (No Unknown

If yes, is that chemical substance the subject of any a	ctual or proposed phase-out or ban? Yes No
Unknown	476
Would the phase-out or ban have a materially advers	e effect on the intended use of the property
or borrower's operations?	Yes No Unknown
Is the property or related facilities or intended us environmental or pollution control equipment or faciliti	
environmental of polition control equipment of faciliti	Yes No Unknown
If yes, what type of equipment will be required and wl expenditures?	nat is the estimated aggregate cost of such
If the requested loan is a construction loan, please propermit or approval related to the construction; invanticipated review and approval process; and any intended future use of the property.	volved governmental agencies; schedule;
Has the soil on the property ever been tested?	Yes No Unknown
If yes, have any contaminants been identified which e	exceed standards or guidelines levels? Yes No Unknown
Besides soil and groundwater, has there been an	y sampling and analysis of air or other
environmental media at the property?	
	Yes No Unknown
If yes, did any of the results indicate a release or thre-	at of a release of a hazardous substance?  Yes No Unknown
If yes, did any of the results indicate contamination in	
standard or guidelines?	Yes No Unknown
BUILDING COND	ITIONS
Asbestos-Containing Materials	
Is there any evidence of insulation or fire retardant i	materials such as pipe wrap and wall/pipe
spray within the buildings on the property?	Yes No Unknown
Are there any residential structures onsite that were b	vuilt prior to 1978? Yes No Unknown
Were any Asbestos-Containing Materials (ACMs) obs Yes No Unknown	served on the property?
Are any of the building materials friable?	Yes No Unknown

Yes

No

Unknown

ead	
224	ıını

Is any visible evidence of paint peeling, cracking, or flaking noticed? Unknown

Yes

No

Is there any evidence of lead paint containers being stored onsite? Unknown

Yes

No

Is lead-based paint present at the structure?

Yes

No

# Polychlorinated Biphenyls (PCBs)

Are any transformers, electrical devices, fluorescent ballasts, or equipment stored or observed on the property labeled as containing PCBs? No

Unknown >

Unknown)

Is there any evidence of PCB contamination or leaks observed? Unknown

Yes

No

Do the structures have fluorescent light fixtures? Unknown

Yes

No

# Other Hazardous Substances

Do You Know the Type Of Insulation? Unknown

Yes

If yes, provide details.

Does the structure contain urea formaldehyde insulation? Unknown

Yes

No

If yes, has the insulation been installed for less than ten years?

Yes

No

Unknown

Is there any evidence that radiological materials such as found in laboratories, medical equipment, or industrial operations may be used on the property? Yes No Unknown

Is there any evidence that pesticides (including insecticides, fungicides, and rodenticides) have been manufactured or used on the property? Yes No

Unknown



Are you aware of elevated levels of radon present in the site vicinity? Unknown	Yes	No
Is there reason to suspect radon to be a problem at the site? Unknown	Yes (	No
Radon		
Has radon screening been conducted at the site? Unknown If yes, provide details.	Yes	No
Has a radon-reduction system been installed? Unknown If yes, provide details.	Yes	No
Does the local health department have any information on radon onsite?  Unknown	Yes	No
ADJACENT PROPERTIES		
Do any of the sites adjacent to the subject site exhibit any of the potential hazards checklist above.  If yes, provide details.	issue	s identified in the
Descriptions		
North:		
South:		
East:		

West:

# SPECIAL RESOURCES

Is there any reason to believe that there are or may be any archa property that have not been destroyed by human activity?  Unknown	eological resources on the
Has the property recently been developed, excavated, mined, grade human activity over all or nearly all of this area?  Unknown	d or otherwise disturbed by Yes No
Is this property covered or nearly covered by buildings or pavement old?  Unknown	that are less than 50 years Yes No
Is this property located in a region known to contain significant fossi organisms of a past geologic age?	
Is there any evidence that the property has a designated natural landment than 50 years old, or buildings that are less than 50 years old but material architecturally, archaeologically, or culturally significant?  Unknown	
Could this property be considered a place where a significant event of such as a battlefield or prehistoric settlement?  Unknown	r pattern of events occurred Yes No
Could this property be considered part of a Historic District (over 50 y	rears old)? Yes No
Unknown  Are there any coastal areas, rivers, streams, springs, lakes, ponds, swaterbodies on or immediately adjacent to the property?	swamps, marshes, or other
Unknown	Yes No
If yes, is there any reason to believe that the waterbodies are protectional law?  Unknown	ted under federal, state, or Yes No
Is the area located within 1,000 feet of a shoreline that is developed or high-density residential uses which have eliminated or significant coastal or beach resources? 5 to 13 mills from Like Unknown	ntly degraded any existing
Does the property contain natural features which could be used for pu	blic recreational purposes? Yes No Unknown
Has any study been done on the property to assess wetlands, the p endangered species or critical and unique habitat?  (Unknown)	resence of threatened and Yes No



# ASTM E1527-13: PHASE 1 ESA USER QUESTIONNAIRE

In order to qualify for one of the landowner liability protections (LLPs), the user must conduct the following inquiries required by 40CFR312.25 and 28-31. The user should provide the following information to the environmental professional.

(1.) Environmental liens that are filed or recorded against the property (40 CFR 312.25).

Did a search of recorded land title records or judicial records (where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law? In certain jurisdictions, federal, tribal, state, or local statutes or regulations specify that environmental liens and activity and use limitations (AULs) are filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

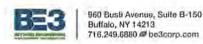
AULs.	Wknown
	at are in place on the property or that have been filed or recorded against the property 312.26(a)(1)(v) and vi).
AULs such er	of recorded land title records or judicial records (where appropriate) identify any ngineering controls, land use restrictions, or institutional controls that are in place at the property under federal, tribal, state or local
(3.) Specializ 312.28).	zed knowledge or experience of the person seeking to qualify for the LLP (40 CFR
	e any specialized knowledge or experience related to the property or nearby or example, are you involved in the same line of business as the current or former

occupants of the property or an adjoining property so that you would have specialized knowledge

of the chemicals and processes used by this type of business?

(4.) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?



-	Do you know the past uses of the property?  Yes VA Cinic was Dollar Jewal
	Do you know of specific chemicals that are present or once were present at the property?
•	Do you know of spills or other chemical releases that have taken place at the property?
•	Do you know of any environmental cleanups that have taken place at the property? $\label{eq:control} \boxed{\text{$\nabla \tilde{\textbf{U}}$}}$
proper 312.3 ased on y	degree of obviousness of the presence or likely presence of contamination at the rty, and the ability to detect the contamination by appropriate investigation (40 CFF 1).  Your knowledge and experience related to the property are there any obvious indicators to the presence or likely presence of releases at the property?
_	No

indust	type of property is the focus of this assessment (e.g., residential, commercial, rial, agricultural, vacant/undeveloped, etc.) and what type of transaction is being med (e.g., sale, purchase, exchange, rental, etc.)?
docum	is the correct address for the property? Please provide a map or other nentation showing location and boundaries.  E HM Street, Durkerk, NY, 19048
	ere any scope of services desired by the user for this Phase I beyond the ements prescribed by this ASTM practice?
	are the parties that will rely on this Phase I report?
(6.) Who is	s the site contact and how can they be reached?  Legen, 914-693-6613, group regarderel of the site of
	ere any special terms and conditions upon which we must agree while performing hase I ESA?
as cop	re any other knowledge or experience with the property that may be pertinent such pies of any prior ESA reports, documents, or correspondence concerning the rty and its environmental condition?

# Name: Cabe Regn Title/Relation to Property: Project range, in Contact for populy Address (if different from above): 1055 Sur all river of #204 Address (If different from above): 1055 Sur all river of #204 Address (If different from above): 1055 Sur all river of #204 Address (If different from above): 1055 Sur all river of #204 Address (If different from above): 1055 Sur all river of #204 Address (If different from above): 1055 Sur all river of #204 Address (If different from above): 1055 Sur all river of #204 Address (If different from above): 1055 Sur all river of #204 Address (If different from above): 1055 Sur all river of #204 Address (If different from above): 1055 Sur all river of #204 Address (If different from above): 1055 Sur all river of #204 Address (If different from above): 1055 Sur all river of #204 Address (If different from above): 1055 Sur all river of #204 Address (If different from above): 1055 Sur all river of #204 Address (If different from above): 1056 Sur all river of #204 Address (If different from above): 1056 Sur all river of #204 Address (If different from above): 1057 Sur all river of #204 Address (If different from above): 1058 Sur all river of #204 Address (If different from above): 1058 Sur all river of #204 Address (If different from above): 1058 Sur all river of #204 Address (If different from above): 1058 Sur all river of #204 Address (If different from above): 1058 Sur all river of #204 Address (If different from above): 1058 Sur all river of #204 Address (If different from above): 1058 Sur all river of #204 Address (If different from above): 1058 Sur all river of #204 Address (If different from above): 1058 Sur all river of #204 Address (If different from above): 1058 Sur all river of #204 Address (If different from above): 1058 Sur all river of #204 Address (If different from above): 1058 Sur all river of #204 Address (If different from above): 1058 Sur all river of #204 Address (If different from above): 1058 S

User completing questionnaire information:

# Appendix C AULs and Other User Provided Information

No additional user information was provided.

# **Appendix D**

**Radius Environmental Database Report** 

166 East 4th Street 166 East 4th Street Dunkirk, NY 14048

Inquiry Number: 7359476.3s

June 08, 2023

# **EDR Summary Radius Map Report**



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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# **EXECUTIVE SUMMARY**

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### **ADDRESS**

166 EAST 4TH STREET DUNKIRK, NY 14048

#### **COORDINATES**

Latitude (North): 42.4847380 - 42° 29' 5.05" Longitude (West): 79.3305580 - 79° 19' 50.00"

Universal Tranverse Mercator: Zone 17 UTM X (Meters): 637210.5 UTM Y (Meters): 4704734.5

Elevation: 599 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: TF

Source: U.S. Geological Survey

Target Property:

Source: U.S. Geological Survey

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 20150514 Source: USDA

# MAPPED SITES SUMMARY

Target Property Address: 166 EAST 4TH STREET DUNKIRK, NY 14048

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS		RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	DOLLAR GENERAL STORE	164-180 E 4TH ST	NY MANIFEST		TP
A2	DOLLAR GENERAL STORE	164-180 E 4TH ST	RCRA-VSQG, FINDS, ECHO		TP
A3	PADMOUNT TRANS	322 PARK STREET/EAST	NY Spills	Lower	104, 0.020, SW
B4	ANNALETT EMIL MICHAE	103 E FOURTH ST	EDR Hist Auto	Higher	215, 0.041, South
B5	WEAVER ROY	131 E 4TH ST	EDR Hist Auto	Higher	225, 0.043, SSE
C6	FAMILY DOLLAR STORE	168 E 4TH ST	RCRA-VSQG, FINDS, ECHO	Higher	236, 0.045, SE
C7	FAMILY DOLLAR STORE	168 E 4TH ST	NY MANIFEST	Higher	236, 0.045, SE
C8	JIMS DRY CLEANERS IN	157 E 4TH ST	EDR Hist Cleaner	Higher	272, 0.052, SE
C9	JIMS DRY CLEANERS IN	159 E FOURTH ST	EDR Hist Cleaner	Higher	299, 0.057, SE
C10	JIMS DRY CLEANERS	159 E 4TH ST	RCRA-VSQG, ICIS, US AIRS, NY DRYCLEANERS, NY	Higher	299, 0.057, SE
C11	VALONE DRY CLEANING	319 MAIN ST	EDR Hist Cleaner	Higher	409, 0.077, ESE
C12	CVS PHARMACY #0309	175 EAST 4TH STREET	RCRA-VSQG, NY MANIFEST	Higher	420, 0.080, ESE
C13	CVS # 00309	175 E 4TH ST	PA MANIFEST	Higher	420, 0.080, ESE
D14	CONRAIL-DUNKIRK	MAIN & 3RD STREET	NY Spills	Higher	461, 0.087, NE
D15	ROCK AND RAIL	MAIN ST AND EAST 3RD	NY Spills	Higher	461, 0.087, NE
D16	DUNKIRK RAILYARD	302 MAIN ST	NY Spills	Higher	478, 0.091, ENE
D17	PROPERTY	258 WEST MAIN ST.	NY UST	Lower	488, 0.092, NE
D18	COMMERCIAL	212 MAIN ST	NY Spills	Lower	570, 0.108, NE
19	JAGODA JAMES	400 MAIN ST	EDR Hist Auto	Higher	583, 0.110, ESE
E20	AM AND CC CLEANERS I	210 MAIN ST	EDR Hist Cleaner	Lower	599, 0.113, NE
E21	AM & CC CLEANERS INC	210 MAIN ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	599, 0.113, NE
E22	AM & CC CLEANERS INC	210 MAIN ST	NY DRYCLEANERS	Lower	599, 0.113, NE
F23	R.O. PROPER	38 SECOND STREET	NY Spills	Lower	628, 0.119, NW
24	ALLEGHENY LUDLUM/ DU		MINES MRDS	Lower	660, 0.125, SW
G25	NYNEX	418 WASHINGTON ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	683, 0.129, SW
G26	VERIZON NEW YORK INC	418 WASHINGTON ST	NY TANKS	Higher	683, 0.129, SW
G27	NEW YORK TELEPHONE D	418 WASHINGTON STREE	NY LTANKS	Higher	683, 0.129, SW
28	208-214 WASHINGTON A	208-214 WASHINGTON A	NY BROWNFIELDS	Lower	701, 0.133, WNW
F29	RO PROPER & SON INC	32 E 2ND ST	NY UST	Lower	705, 0.134, NW
F30	DAVID PROPER	32 EAST 2ND STREET	NY LTANKS	Lower	705, 0.134, NW
F31	R. O. PROPER	32 EAST SECOND STREE	NY LTANKS	Lower	705, 0.134, NW
H32	LARRY SPACC PONTIAC	87 LAKE SHORE DR E	RCRA-VSQG, FINDS, ECHO, NY MANIFEST	Lower	843, 0.160, North
H33	LARRY SPACC PONTIAC	87 LAKESHORE DR. EAS	NY AST	Lower	843, 0.160, North
134	DUNKIRK GAS STATION	45 E. 5TH STREET	NY LTANKS	Higher	897, 0.170, South
135	RALPHS PENNZOIL	45 EAST FIFTH ST	NY UST	Higher	897, 0.170, South
H36	MEADOW BROOK DAIRY	75 LAKE SHORE DR. E.	NY LTANKS, NY UST	Lower	943, 0.179, North
37	SHERWIN-WILLIAMS CO	404 CENTRAL AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	997, 0.189, SW
J38	N. DEER STREET	5-15 N DEER ST.	US BROWNFIELDS	Lower	1095, 0.207, North
K39	CLIFFSTAR LLC	1 CLIFFSTAR AVE	RCRA-VSQG, NY LTANKS, NY UST, NY CBS, NY AST, N	Y Higher	1125, 0.213, ESE

# MAPPED SITES SUMMARY

Target Property Address: 166 EAST 4TH STREET DUNKIRK, NY 14048

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS		RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K40	CLIFFSTAR CORP.	1 CLIFFSTAR AVE.	NY CBS AST, NY Spills	Higher	1125, 0.213, ESE
K41	TANK AT CLIFFSTAR	ONE CLIFFSTAR AVENUE	NY LTANKS	Higher	1138, 0.216, ESE
J42	LAKE SHORE DRIVE	66 - 80 LAKE SHORE D	US BROWNFIELDS	Lower	1146, 0.217, NNW
43	ROADWAY IN FRONT OF	FOURTH ST. AT LARK S	NY UST	Lower	1241, 0.235, WSW
L44	ROBO #0658-8370	435 CENTRAL AVENUE	NY UST, NY Spills	Higher	1299, 0.246, SW
L45	ATLANTIC STATION	437 CENTRAL AVENUE	NY LTANKS	Higher	1299, 0.246, SW
L46	ATLANTIC SERVICE STA	437 CENTRAL AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	1299, 0.246, SW
47	CROSBY'S DUNKIRK	106 CENTRAL AVENUE	NY LTANKS, NY UST, NY AST, NY Spills	Lower	1310, 0.248, WNW
48	BROOKS MEMORIAL HOSP	529 CENTRAL AVENUE	RCRA-VSQG, NY LTANKS, NY UST, NY AST, FINDS, ECI	HO,Higher	1630, 0.309, SSW
M49	NFG - DUNKIRK FORMER	31 WEST 2ND STREET	NY SHWS, NY Spills	Lower	1656, 0.314, WNW
M50	NATIONAL FUEL GAS -	31 W 2ND ST	RCRA-LQG, NY LTANKS, NY Spills, FINDS, ECHO, NY	Lower	1656, 0.314, WNW
M51	DUNKIRK GAS WORKS	W 2ND STREET AND SWA	EDR MGP	Lower	1826, 0.346, West
N52	REED'S MOBIL SERVICE	186 L S DR EAST	NY LTANKS, NY UST, NY AST	Lower	1902, 0.360, NE
N53	DUNKIRK PUBLIC SCHOO	LAKE SHORE DRIVE EAS	NY LTANKS	Lower	2124, 0.402, NE
54	DUNKIRK STORM SEWER	ROUTE 5	NY LTANKS, NY Spills	Lower	2136, 0.405, NW
55	KING BROS WHOLESALE	134 FRANKLIN AVE	NY LTANKS, NY UST, NY Spills, NY MANIFEST	Higher	2234, 0.423, ESE
56	OLD SCHOOL BUILDING	715 CENTRAL AVE.	NY LTANKS, NY Spills	Higher	2633, 0.499, SSW
57	MARSH VALVE	307 BRIGHAM ROAD	NY SHWS, NY MANIFEST	Higher	4223, 0.800, WSW

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
DOLLAR GENERAL STORE 164-180 E 4TH ST DUNKIRK, NY 14048	NY MANIFEST EPA ID: NYR000206292	N/A
DOLLAR GENERAL STORE 164-180 E 4TH ST	RCRA-VSQG EPA ID:: NYR000206292	NYR000206292
DUNKIRK, NY 14048	FINDS Registry ID:: 110056505394	
	ECHO Registry ID: 110056505394	

### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

### Lists of Federal RCRA generators

RCRA-VSQG: A review of the RCRA-VSQG list, as provided by EDR, and dated 03/06/2023 has revealed that there are 5 RCRA-VSQG sites within approximately 0 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FAMILY DOLLAR STORE EPA ID:: NYR000218354	168 E 4TH ST	SE 0 - 1/8 (0.045 mi.)	C6	9
JIMS DRY CLEANERS EPA ID:: NYD067532374	159 E 4TH ST	SE 0 - 1/8 (0.057 mi.)	C10	10
CVS PHARMACY #0309 EPA ID:: NYR000187955	175 EAST 4TH STREET	ESE 0 - 1/8 (0.080 mi.)	C12	10
CLIFFSTAR LLC	1 CLIFFSTAR AVE	ESE 1/8 - 1/4 (0.213 mi.)	K39	17

EPA ID:: NYD986910578

Lower Elevation	Address	Direction / Distance	Map ID	Page
LARRY SPACC PONTIAC	87 LAKE SHORE DR E	N 1/8 - 1/4 (0.160 mi.)	H32	15
FPA ID:: NYD013512744				

## Lists of state- and tribal hazardous waste facilities

NY SHWS: A review of the NY SHWS list, as provided by EDR, and dated 02/06/2023 has revealed that there are 2 NY SHWS sites within approximately 1 of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARSH VALVE Site Code: 56745	307 BRIGHAM ROAD	WSW 1/2 - 1 (0.800 mi.)	57	24
Lower Elevation	Address	Direction / Distance	Map ID	Page
NFG - DUNKIRK FORMER Site Code: 407021	31 WEST 2ND STREET	WNW 1/4 - 1/2 (0.314 mi.)	M49	22

## Lists of state and tribal leaking storage tanks

NY LTANKS: A review of the NY LTANKS list, as provided by EDR, and dated 02/06/2023 has revealed that there are 16 NY LTANKS sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEW YORK TELEPHONE D Spill Number/Closed Date: 9106521 / Site ID: 202074 Spill Date: 1991-09-16	418 WASHINGTON STREE 1992-01-24	SW 1/8 - 1/4 (0.129 mi.)	G27	14
DUNKIRK GAS STATION Spill Number/Closed Date: 8602003 / Site ID: 125143 Spill Date: 1986-06-18	45 E. 5TH STREET 1987-06-01	S 1/8 - 1/4 (0.170 mi.)	134	15
CLIFFSTAR LLC Spill Number/Closed Date: 8904458 / Site ID: 289762 Spill Date: 1989-08-03	<b>1 CLIFFSTAR AVE</b> 1989-08-08	ESE 1/8 - 1/4 (0.213 mi.)	K39	17
TANK AT CLIFFSTAR Spill Number/Closed Date: 9875403 / Site ID: 136735 Spill Date: 1999-02-16	ONE CLIFFSTAR AVENUE 1999-10-14	ESE 1/8 - 1/4 (0.216 mi.)	K41	19
ATLANTIC STATION Spill Number/Closed Date: 9006981 /	437 CENTRAL AVENUE 1991-03-04	SW 1/8 - 1/4 (0.246 mi.)	L45	20

Site ID: 291566 Spill Date: 1990-09-24 SSW 1/4 - 1/2 (0.309 mi.) 48 **BROOKS MEMORIAL HOSP** 21 **529 CENTRAL AVENUE** Spill Number/Closed Date: 9875212 / 1999-05-26 Site ID: 169416 Spill Date: 1998-11-18 KING BROS WHOLESALE 134 FRANKLIN AVE ESE 1/4 - 1/2 (0.423 mi.) 55 24 Spill Number/Closed Date: 9103052 / 1993-09-08 Site ID: 234856 Spill Date: 1991-03-28 **OLD SCHOOL BUILDING** 715 CENTRAL AVE. SSW 1/4 - 1/2 (0.499 mi.) 56 24 Spill Number/Closed Date: 9711651 / 1998-03-05 Site ID: 322818 Spill Date: 1998-01-14 **Lower Elevation** Page **Address Direction / Distance** Map ID DAVID PROPER 32 EAST 2ND STREET NW 1/8 - 1/4 (0.134 mi.) F30 14 Spill Number/Closed Date: 9400348 / 1994-08-04 Spill Number/Closed Date: 0175451 / 2004-08-13 Site ID: 95619 Site ID: 95618 Spill Date: 1994-04-05 Spill Date: 2001-12-01 R. O. PROPER 32 EAST SECOND STREE NW 1/8 - 1/4 (0.134 mi.) F31 15 Spill Number/Closed Date: 8703343 / 1987-10-05 Site ID: 141218 Spill Date: 1987-04-27 **MEADOW BROOK DAIRY** 75 LAKE SHORE DR. E. N 1/8 - 1/4 (0.179 mi.) H36 16 Spill Number/Closed Date: 9202092 / 1992-11-25 Site ID: 260582 Spill Date: 1992-04-28 CROSBY'S DUNKIRK 106 CENTRAL AVENUE WNW 1/8 - 1/4 (0.248 mi.) 47 20 Spill Number/Closed Date: 9214032 / 1996-08-20 Site ID: 218077 Spill Date: 1993-03-01 NATIONAL FUEL GAS -31 W 2ND ST WNW 1/4 - 1/2 (0.314 mi.) M50 22 Spill Number/Closed Date: 9609959 / 1997-12-29 Site ID: 76139 Spill Date: 1996-11-08 REED'S MOBIL SERVICE 186 L S DR EAST NE 1/4 - 1/2 (0.360 mi.) N52 23 Spill Number/Closed Date: 9200524 / 1992-08-31 Site ID: 301683 Spill Date: 1992-04-01 **DUNKIRK PUBLIC SCHOO** LAKE SHORE DRIVE EAS NE 1/4 - 1/2 (0.402 mi.) N53 23 Spill Number/Closed Date: 9311277 / 1994-12-09 Site ID: 149406 Spill Date: 1993-12-01 **DUNKIRK STORM SEWER ROUTE 5** NW 1/4 - 1/2 (0.405 mi.) 54 23 Spill Number/Closed Date: 8701338 / 1989-08-07 Site ID: 110423

Spill Date: 1987-05-13

## Lists of state and tribal registered storage tanks

NY UST: A review of the NY UST list, as provided by EDR, has revealed that there are 8 NY UST sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RALPHS PENNZOIL Database: UST, Date of Government	45 EAST FIFTH ST ent Version: 02/14/2023	S 1/8 - 1/4 (0.170 mi.)	135	16
CLIFFSTAR LLC Database: UST, Date of Government	1 CLIFFSTAR AVE ent Version: 02/14/2023	ESE 1/8 - 1/4 (0.213 mi.)	K39	17
ROBO #0658-8370 Database: UST, Date of Governme	435 CENTRAL AVENUE ent Version: 02/14/2023	SW 1/8 - 1/4 (0.246 mi.)	L44	19
Lower Elevation	Address	Direction / Distance	Map ID	Page
PROPERTY Database: UST, Date of Government	258 WEST MAIN ST. ent Version: 02/14/2023	NE 0 - 1/8 (0.092 mi.)	D17	11
RO PROPER & SON INC Database: UST, Date of Government	32 E 2ND ST ent Version: 02/14/2023	NW 1/8 - 1/4 (0.134 mi.)	F29	14
MEADOW BROOK DAIRY Database: UST, Date of Government	<b>75 LAKE SHORE DR. E.</b> ent Version: 02/14/2023	N 1/8 - 1/4 (0.179 mi.)	H36	16
ROADWAY IN FRONT OF Database: UST, Date of Government	FOURTH ST. AT LARK S ent Version: 02/14/2023	WSW 1/8 - 1/4 (0.235 mi.)	43	19
CROSBY'S DUNKIRK Database: UST, Date of Government	106 CENTRAL AVENUE ent Version: 02/14/2023	WNW 1/8 - 1/4 (0.248 mi.)	47	20

NY CBS: A review of the NY CBS list, as provided by EDR, and dated 02/14/2023 has revealed that there is 1 NY CBS site within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CLIFFSTAR LLC Facility Status: Unregulated/Closed Facility Status: Active CBS Number: 9-000247 CBS Number: 9-000453	1 CLIFFSTAR AVE	ESE 1/8 - 1/4 (0.213 mi.)	K39	17

NY AST: A review of the NY AST list, as provided by EDR, has revealed that there are 3 NY AST sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CLIFFSTAR LLC	1 CLIFFSTAR AVE	ESE 1/8 - 1/4 (0.213 mi.)	K39	17
Database: AST. Date of Government '	Version: 02/14/2023			

Facility Id: 9-000247

Lower Elevation	Address	Direction / Distance	Map ID	Page
LARRY SPACC PONTIAC Database: AST, Date of Governme Facility Id: 9-600884	87 LAKESHORE DR. EAS ent Version: 02/14/2023	N 1/8 - 1/4 (0.160 mi.)	H33	15
CROSBY'S DUNKIRK  Database: AST, Date of Governme Facility Id: 9-386510	nt Version: 02/14/2023	WNW 1/8 - 1/4 (0.248 mi.)	47	20

NY CBS AST: A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY CBS AST site within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CLIFFSTAR CORP. Facility Status: 2	1 CLIFFSTAR AVE.	ESE 1/8 - 1/4 (0.213 mi.)	K40	18
Facility Status: 1				
CBS Number: 9-000247				

NY TANKS: A review of the NY TANKS list, as provided by EDR, has revealed that there is 1 NY TANKS site within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VERIZON NEW YORK INC	418 WASHINGTON ST	SW 1/8 - 1/4 (0.129 mi.)	G26	14
Database: TANKS, Date of Govern	ment Version: 02/14/2023			
Facility Id: 9-418374				
Site Status: Active				

## Lists of state and tribal brownfield sites

NY BROWNFIELDS: A review of the NY BROWNFIELDS list, as provided by EDR, and dated 02/06/2023 has revealed that there is 1 NY BROWNFIELDS site within approximately 1 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
208-214 WASHINGTON A Site Code: 464556	208-214 WASHINGTON A	WNW 1/8 - 1/4 (0.133 mi.)	28	14

## ADDITIONAL ENVIRONMENTAL RECORDS

## Local Brownfield lists

US BROWNFIELDS: A review of the US BROWNFIELDS list, as provided by EDR, and dated 04/06/2023 has revealed that there are 2 US BROWNFIELDS sites within approximately 1 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
N. DEER STREET ACRES property ID: 243074	5-15 N DEER ST.	N 1/8 - 1/4 (0.207 mi.)	J38	16
LAKE SHORE DRIVE ACRES property ID: 243073	66 - 80 LAKE SHORE D	NNW 1/8 - 1/4 (0.217 mi.)	J42	19

## Records of Emergency Release Reports

NY Spills: A review of the NY Spills list, as provided by EDR, and dated 02/06/2023 has revealed that there are 6 NY Spills sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONRAIL-DUNKIRK Spill Number/Closed Date: 9003720 / Site ID: 111980 Spill Date: 1990-06-20	MAIN & 3RD STREET 1990-08-27	NE 0 - 1/8 (0.087 mi.)	D14	11
ROCK AND RAIL Spill Number/Closed Date: 2108234 Site ID: 630175 Spill Date: 2021-12-10	MAIN ST AND EAST 3RD 2022-03-04	NE 0 - 1/8 (0.087 mi.)	D15	11
DUNKIRK RAILYARD Spill Number/Closed Date: 1112901 Site ID: 460867 Spill Date: 2012-02-10	302 MAIN ST 2012-03-13	ENE 0 - 1/8 (0.091 mi.)	D16	11
Lower Elevation	Address	Direction / Distance	Map ID	Page
PADMOUNT TRANS Spill Number/Closed Date: 0803418 // Site ID: 400144 Spill Date: 2008-06-23	322 PARK STREET/EAST	Direction / Distance SW 0 - 1/8 (0.020 mi.)	Map ID A3	Page 8
PADMOUNT TRANS Spill Number/Closed Date: 0803418 Site ID: 400144	322 PARK STREET/EAST 2008-12-12 212 MAIN ST			

#### Other Ascertainable Records

RCRA NonGen / NLR: A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/06/2023 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<b>NYNEX</b> EPA ID:: NYD981483258	418 WASHINGTON ST	SW 1/8 - 1/4 (0.129 mi.)	G25	13
ATLANTIC SERVICE STA EPA ID:: NYD986897924	437 CENTRAL AVE	SW 1/8 - 1/4 (0.246 mi.)	L46	20
Lower Elevation	Address	Direction / Distance	Map ID	Page
AM & CC CLEANERS INC EPA ID:: NYD986948081	210 MAIN ST	NE 0 - 1/8 (0.113 mi.)	E21	12
SHERWIN-WILLIAMS CO EPA ID:: NYD079937256	404 CENTRAL AVE	SW 1/8 - 1/4 (0.189 mi.)	37	16

NY DRYCLEANERS: A review of the NY DRYCLEANERS list, as provided by EDR, and dated 03/06/2023 has revealed that there are 2 NY DRYCLEANERS sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JIMS DRY CLEANERS Facility Id: 9-0603-00058	159 E 4TH ST	SE 0 - 1/8 (0.057 mi.)	C10	10
Lower Elevation	Address	Direction / Distance	Map ID	Page
AM & CC CLEANERS INC Facility Id: 9-0634-00044	210 MAIN ST	NE 0 - 1/8 (0.113 mi.)	E22	13

NY MANIFEST: A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there are 8 NY MANIFEST sites within approximately 1 miles of the target property.

<b>Equal/Higher Elevation</b>	Address	Direction / Distance	Map ID	Page
FAMILY DOLLAR STORE EPA ID: NYR000218354	168 E 4TH ST	SE 0 - 1/8 (0.045 mi.)	C7	9
JIMS DRY CLEANERS EPA ID: NYD067532374	159 E 4TH ST	SE 0 - 1/8 (0.057 mi.)	C10	10
CVS PHARMACY #0309 EPA ID: NYR000187955	175 EAST 4TH STREET	ESE 0 - 1/8 (0.080 mi.)	C12	10
<b>NYNEX</b> EPA ID: NYD981483258	418 WASHINGTON ST	SW 1/8 - 1/4 (0.129 mi.)	G25	13
CLIFFSTAR LLC	1 CLIFFSTAR AVE	ESE 1/8 - 1/4 (0.213 mi.)	K39	17

EPA ID: NYD986910578				
ATLANTIC SERVICE STA EPA ID: NYD986897924	437 CENTRAL AVE	SW 1/8 - 1/4 (0.246 mi.)	L46	20
Lower Elevation	Address	Direction / Distance	Map ID	Page
AM & CC CLEANERS INC EPA ID: NYD986948081	210 MAIN ST	NE 0 - 1/8 (0.113 mi.)	E21	12
LARRY SPACC PONTIAC EPA ID: NYD013512744	87 LAKE SHORE DR E	N 1/8 - 1/4 (0.160 mi.)	H32	15

PA MANIFEST: A review of the PA MANIFEST list, as provided by EDR, and dated 06/30/2018 has revealed that there are 2 PA MANIFEST sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CVS # 00309 Generator EPA ld: NYR000187955	175 E 4TH ST	ESE 0 - 1/8 (0.080 mi.)	C13	11
CLIFFSTAR LLC Generator EPA Id: NYD986910578	1 CLIFFSTAR AVE	ESE 1/8 - 1/4 (0.213 mi.)	K39	17

MINES MRDS: A review of the MINES MRDS list, as provided by EDR, and dated 08/23/2022 has revealed that there is 1 MINES MRDS site within approximately 1 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALLEGHENY LUDLUM/ DU		SW 0 - 1/8 (0.125 mi.)	24	13

## **EDR HIGH RISK HISTORICAL RECORDS**

#### **EDR Exclusive Records**

EDR MGP: A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 of the target property.

Lower Elevation	Address	<b>Direction / Distance</b>	Map ID	Page
DUNKIRK GAS WORKS	W 2ND STREET AND SWA	W 1/4 - 1/2 (0.346 mi.)	M51	23

EDR Hist Auto: A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANNALETT EMIL MICHAE	103 E FOURTH ST	S 0 - 1/8 (0.041 mi.)	B4	8
WEAVER ROY	131 E 4TH ST	SSE 0 - 1/8 (0.043 mi.)	B5	9

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JAGODA JAMES	400 MAIN ST	ESE 0 - 1/8 (0.110 mi.)	19	12

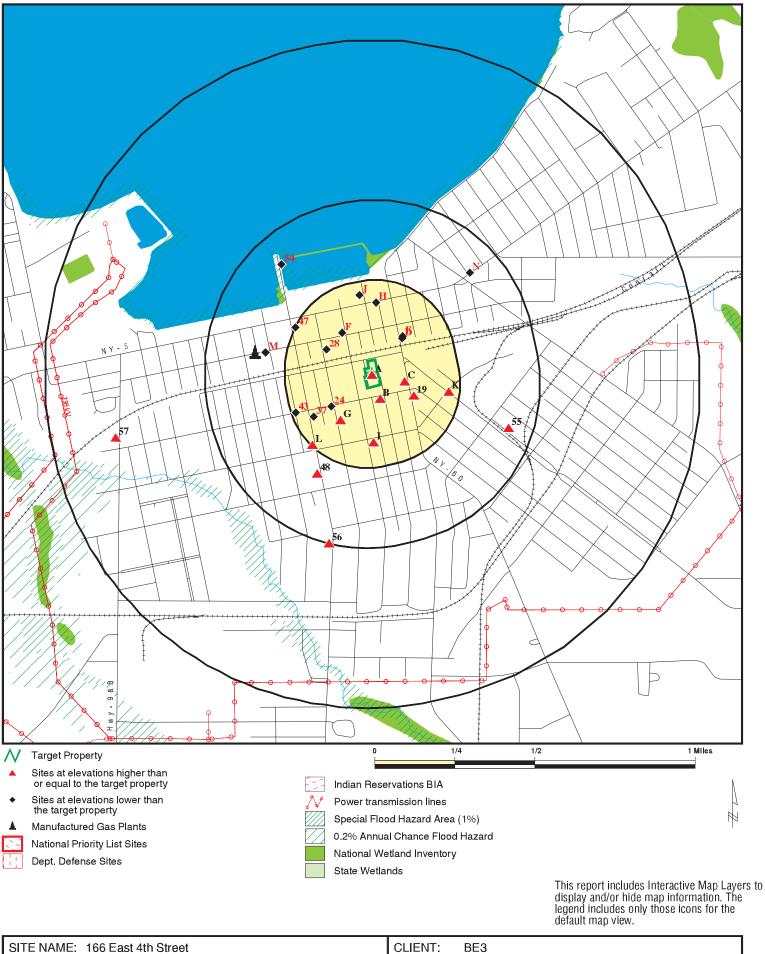
EDR Hist Cleaner: A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 4 EDR Hist Cleaner sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	<b>Direction / Distance</b>	Map ID	Page
JIMS DRY CLEANERS IN	157 E 4TH ST	SE 0 - 1/8 (0.052 mi.)	C8	9
JIMS DRY CLEANERS IN	159 E FOURTH ST	SE 0 - 1/8 (0.057 mi.)	C9	9
VALONE DRY CLEANING	319 MAIN ST	ESE 0 - 1/8 (0.077 mi.)	C11	10
Lower Elevation	Address	Direction / Distance	Map ID	Page
AM AND CC CLEANERS I	210 MAIN ST	NE 0 - 1/8 (0.113 mi.)	E20	12

Count: 3 records. ORPHAN SUMMARY

City		EDR ID	Site Name	Site Address	Zip	Database(s)
DUN	KIRK	S126022870	DUNKIRK LANDFILL	SOUTH ROBERTS ROAD (ACCESS IS		NY SWF/LF, NY PFAS
DUN	KIRK	1003863638	DUNKIRK LF	SOUTH ROBERTS RD	14048	SEMS-ARCHIVE
DUN	KIRK	1000270995	DUNKIRK LANDFILL	SOUTH ROBERTS ROAD	14048	NY SHWS

# **OVERVIEW MAP - 7359476.3S**



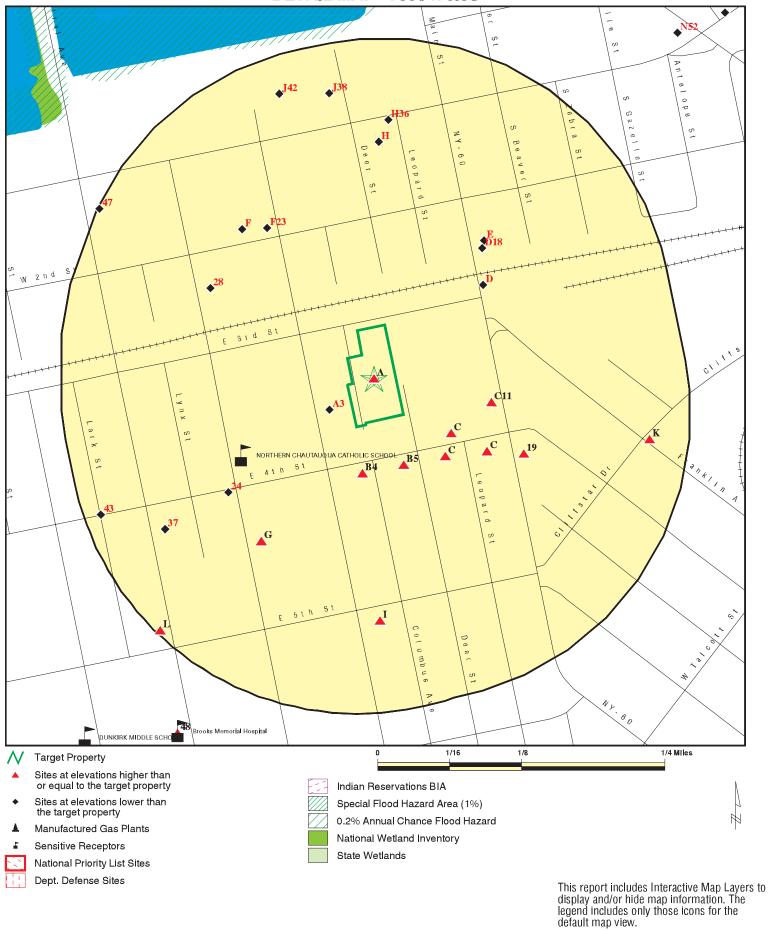
 SITE NAME:
 166 East 4th Street
 CLIENT:
 BE3

 ADDRESS:
 166 East 4th Street
 CONTACT:
 Jacob Cox

 Dunkirk NY 14048
 INQUIRY #:
 7359476.3s

 LAT/LONG:
 42.484738 / 79.330558
 DATE:
 June 08, 2023 1:28 pm

# **DETAIL MAP - 7359476.3S**



Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted		
STANDARD ENVIRONMENTAL RECORDS										
Lists of Federal NPL (Su	perfund) site	s								
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0		
Lists of Federal Delisted	NPL sites									
Delisted NPL	1.000		0	0	0	0	NR	0		
Lists of Federal sites su CERCLA removals and (		rs								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0		
Lists of Federal CERCLA	A sites with N	FRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0		
Lists of Federal RCRA facilities undergoing Corrective Action										
CORRACTS	1.000		0	0	0	0	NR	0		
Lists of Federal RCRA T	SD facilities									
RCRA-TSDF	0.500		0	0	0	NR	NR	0		
Lists of Federal RCRA g	enerators									
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250	1	0 0 3	0 0 2	NR NR NR	NR NR NR	NR NR NR	0 0 6		
Federal institutional con engineering controls reg										
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0		
Federal ERNS list										
ERNS	TP		NR	NR	NR	NR	NR	0		
Lists of state- and tribal hazardous waste facilities	es									
NY SHWS	1.000		0	0	1	1	NR	2		
Lists of state and tribal l and solid waste disposa										
NY SWF/LF	0.500		0	0	0	NR	NR	0		
Lists of state and tribal l	eaking storag	je tanks								
INDIAN LUST	0.500		0	0	0	NR	NR	0		

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	<u>&gt; 1</u>	Total Plotted	
NY LTANKS NY HIST LTANKS	0.500 0.500		0 0	9 0	7 0	NR NR	NR NR	16 0	
Lists of state and tribal r	egistered sto	rage tanks							
FEMA UST NY UST NY CBS UST NY MOSF UST NY MOSF	0.250 0.250 0.250 0.500 0.500		0 1 0 0	0 7 0 0	NR NR NR 0	NR NR NR NR	NR NR NR NR	0 8 0 0	
NY CBS NY AST NY CBS AST NY MOSF AST INDIAN UST NY TANKS	0.250 0.250 0.250 0.500 0.250 0.250		0 0 0 0 0	1 3 1 0 0	NR NR NR O NR NR	NR NR NR NR NR NR	NR NR NR NR NR NR	1 3 1 0 0 1	
State and tribal institution control / engineering control /		es							
NY RES DECL NY ENG CONTROLS NY INST CONTROL	0.125 0.500 0.500		0 0 0	NR 0 0	NR 0 0	NR NR NR	NR NR NR	0 0 0	
Lists of state and tribal voluntary cleanup sites									
NY VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0	
Lists of state and tribal b	prownfield sit	es							
NY BROWNFIELDS NY ERP	0.500 0.500		0	1 0	0 0	NR NR	NR NR	1 0	
ADDITIONAL ENVIRONMEN	ITAL RECORD	<u>s</u>							
Local Brownfield lists									
US BROWNFIELDS	0.500		0	2	0	NR	NR	2	
Local Lists of Landfill / S Waste Disposal Sites	Solid								
NY SWTIRE NY SWRCY INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500 0.500		0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0	
Local Lists of Hazardous waste / Contaminated Sites									
US HIST CDL NY DEL SHWS US CDL	TP 1.000 TP		NR 0 NR	NR 0 NR	NR 0 NR	NR 0 NR	NR NR NR	0 0 0	
Local Lists of Registered	d Storage Tai	ıks							
NY HIST UST	0.250		0	0	NR	NR	NR	0	

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								-
NY LIENS LIENS 2	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Records of Emergency I	Release Repo	rts						
HMIRS NY Spills NY Hist Spills NY SPILLS 90 NY SPILLS 80	TP 0.125 0.125 0.125 0.125		NR 6 0 0	NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	0 6 0 0
Other Ascertainable Rec	cords							
RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST	0.250 1.000 1.000 0.500 TP		1 0 0 0 NR NR	3 0 0 0 NR NR	NR 0 0 0 NR NR	NR 0 0 NR NR NR	NR NR NR NR NR	4 0 0 0 0
2020 COR ACTION TSCA TRIS SSTS ROD	0.250 TP TP TP 1.000		0 NR NR NR 0	0 NR NR NR 0	NR NR NR NR 0	NR NR NR NR 0	NR NR NR NR NR	0 0 0 0
RMP RAATS PRP PADS ICIS	TP TP TP TP TP		NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0
FTTS MLTS COAL ASH DOE COAL ASH EPA	TP TP TP 0.500		NR NR NR 0	NR NR NR 0	NR NR NR 0	NR NR NR NR	NR NR NR NR	0 0 0 0
PCB TRANSFORMER RADINFO HIST FTTS DOT OPS CONSENT	TP TP TP TP 1.000		NR NR NR NR	NR NR NR NR	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
INDIAN RESERV FUSRAP UMTRA LEAD SMELTERS US AIRS US MINES	1.000 1.000 0.500 TP TP 0.250		0 0 0 NR NR 0	0 0 0 NR NR 0	0 0 0 NR NR NR	0 0 NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
ABANDONED MINES FINDS ECHO UXO DOCKET HWC FUELS PROGRAM	0.250 TP TP 1.000 TP 0.250	1 1	0 NR NR 0 NR 0	0 NR NR 0 NR 0	NR NR NR O NR NR	NR NR NR 0 NR NR	NR NR NR NR NR NR	0 1 1 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	<u>1/2 - 1</u>	> 1	Total Plotted
PFAS NPL PFAS FEDERAL SITES PFAS TSCA PFAS RCRA MANIFEST PFAS ATSDR PFAS WQP PFAS NPDES PFAS ECHO PFAS ECHO FIRE TRAINI PFAS PART 139 AIRPOR' AQUEOUS FOAM NRC NY PFAS NY AIRS NY COAL ASH NY DRYCLEANERS NY E DESIGNATION NY Financial Assurance NY HSWDS NY LEAD NY MANIFEST NJ MANIFEST PA MANIFEST PA MANIFEST PA MANIFEST NY SPDES NY VAPOR REOPENED NY UIC NY COOLING TOWERS PFAS TRIS MINES MRDS		1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NR R R R R R R R R O R R R O R R R R O R R R R R N N N N	KK	NR	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records  EDR MGP  EDR Hist Auto  EDR Hist Cleaner  EDR RECOVERED GOVERN  Exclusive Recovered Co		<u>/ES</u>	0 3 4	0 NR NR	1 NR NR	0 NR NR	NR NR NR	1 3 4
Exclusive Recovered Go NY RGA HWS NY RGA LF	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
- Totals		4	26	35	9	1	0	75

## NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

A1 DOLLAR GENERAL STORE #8379 NY MANIFEST S120959541
Target 164-180 E 4TH ST N/A

Target 164-180 E 4TH ST Property DUNKIRK, NY 14048

Click here for full text details

Actual: 599 ft.

NY MANIFEST

EPA ID NYR000206292

A2 DOLLAR GENERAL STORE #8379 RCRA-VSQG 1016455526
Target 164-180 E 4TH ST FINDS NYR000206292

Target 164-180 E 4TH ST Property DUNKIRK, NY 14048

Click here for full text details

Actual: 599 ft.

**RCRA-VSQG** 

EPA Id NYR000206292

**FINDS** 

Registry ID: 110056505394

**ECHO** 

Registry ID 110056505394

A3 PADMOUNT TRANS NY Spills S109205571

SW 322 PARK STREET/EAST 4TH

< 1/8 DUNKIRK, NY

0.020 mi. 104 ft.

Relative:

Click here for full text details

Lower

**NY Spills** 

Spill Number/Closed Date 0803418 / 2008-12-12

Site ID 400144 Spill Date 2008-06-23

DUNKIRK, NY 14048

 B4
 ANNALETT EMIL MICHAEL
 EDR Hist Auto
 1020775153

 South
 103 E FOURTH ST
 N/A

< 1/8 0.041 mi. 215 ft.

Click here for full text details

Relative: Higher

TC7359476.3s Page 8

N/A

**ECHO** 

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

B5 WEAVER ROY EDR Hist Auto 1021755160
SSE 131 E 4TH ST N/A

< 1/8 DUNKIRK, NY 14048 0.043 mi.

225 ft.

Click here for full text details

Relative: Higher

----

C6 FAMILY DOLLAR STORE #1764 RCRA-VSQG 1017788096
SE 168 E 4TH ST FINDS NYR000218354
< 1/8 DUNKIRK, NY 14048 ECHO

< 1/8 0.045 mi. 236 ft.

Click here for full text details

Relative: Higher

RCRA-VSQG

EPA Id NYR000218354

**FINDS** 

Registry ID: 110064382136

**ECHO** 

Registry ID 110064382136

C7 FAMILY DOLLAR STORE #1764 NY MANIFEST S118464362

SE 168 E 4TH ST < 1/8 DUNKIRK, NY 14048

0.045 mi. 236 ft.

Click here for full text details

Relative: Higher

NY MANIFEST

EPA ID NYR000218354

C8 JIMS DRY CLEANERS INC EDR Hist Cleaner 1018706555

SE 157 E 4TH ST < 1/8 DUNKIRK, NY 14048

0.052 mi. 272 ft.

Click here for full text details

Relative: Higher

er

C9 JIMS DRY CLEANERS INC
SE 159 E FOURTH ST
< 1/8 DUNKIRK, NY 14048

0.057 mi. 299 ft.

Click here for full text details

Relative: Higher

TC7359476.3s Page 9

N/A

N/A

1018774029

N/A

**EDR Hist Cleaner** 

Direction Distance Elevation

Site

Database(s)

**NY MANIFEST** 

**EDR Hist Cleaner** 

1020112830

N/A

RCRA-VSQG 1014927005

NY MANIFEST NYR000187955

EDR ID Number EPA ID Number

C10 JIMS DRY CLEANERS

SE 159 E 4TH ST < 1/8 DUNKIRK, NY 14048 RCRA-VSQG 1000137856 ICIS NYD067532374 US AIRS NY DRYCLEANERS

0.057 mi. 299 ft.

Click here for full text details

Relative: Higher

**RCRA-VSQG** 

EPA Id NYD067532374

**ICIS** 

FRS ID: 110002366092

**US AIRS** 

EPA plant ID: 110001613335

**NY DRYCLEANERS** 

Facility Id 9-0603-00058

**NY MANIFEST** 

EPA ID NYD067532374

C11 VALONE DRY CLEANING CO

ESE 319 MAIN ST

< 1/8 DUNKIRK, NY 14048

0.077 mi. 409 ft.

Click here for full text details

Relative: Higher

C12 CVS PHARMACY #0309 ESE 175 EAST 4TH STREET < 1/8 DUNKIRK, NY 14048

< 1/8 0.080 mi.

420 ft.

Click here for full text details

Relative: Higher

RCRA-VSQG

EPA Id NYR000187955

NY MANIFEST

EPA ID NYR000187955

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

C13 CVS # 00309 PA MANIFEST S118068781 N/A

**ESE** 175 E 4TH ST **DUNKIRK, NY 14048** < 1/8

0.080 mi. 420 ft.

Click here for full text details Relative:

Higher

**PA MANIFEST** 

Generator EPA Id NYR000187955

D14 **CONRAIL-DUNKIRK NY Spills** S102177337

NE **MAIN & 3RD STREET** < 1/8 **DUNKIRK, NY** 

0.087 mi. 461 ft.

Click here for full text details Relative:

Higher

**NY Spills** 

Spill Number/Closed Date 9003720 / 1990-08-27

Site ID 111980 Spill Date 1990-06-20

D15 **ROCK AND RAIL NY Spills** S128044003

NE MAIN ST AND EAST 3RD ST N/A

< 1/8 **DUNKIRK, NY** 

0.087 mi. 461 ft.

Click here for full text details

Relative: Higher

**NY Spills** 

Spill Number/Closed Date 2108234 / 2022-03-04

Site ID 630175 Spill Date 2021-12-10

D16 **DUNKIRK RAILYARD NY Spills** S111458311

**302 MAIN ST ENE** < 1/8 **DUNKIRK, NY** 

0.091 mi. 478 ft.

Click here for full text details

Relative: Higher

**NY Spills** 

Spill Number/Closed Date 1112901 / 2012-03-13

Site ID 460867 Spill Date 2012-02-10

D17 **PROPERTY** NY UST U004190714

258 WEST MAIN ST. < 1/8 FREDONIA, NY 14048

0.092 mi.

NE

488 ft.

Click here for full text details

Relative: Lower

TC7359476.3s Page 11

N/A

N/A

N/A

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

D18 **COMMERCIAL NY Spills** S127584642 N/A

NE **212 MAIN ST** < 1/8 **DUNKIRK, NY** 

0.108 mi. 570 ft.

Click here for full text details

Relative: Lower

NY Spills Spill Number/Closed Date 2101282 / 2021-12-02

Site ID 618988 Spill Date 2021-05-12

**EDR Hist Auto** 1021921619 19 **JAGODA JAMES** 

**ESE** 400 MAIN ST N/A

**DUNKIRK, NY 14048** < 1/8

0.110 mi. 583 ft.

Click here for full text details

Relative: Higher

E20 AM AND CC CLEANERS INC **EDR Hist Cleaner** 1018640803 N/A

ΝE **210 MAIN ST** < 1/8 **DUNKIRK, NY 14048** 

0.113 mi. 599 ft.

Click here for full text details

Relative: Lower

E21 **AM & CC CLEANERS INC** RCRA NonGen / NLR NE **210 MAIN ST** < 1/8 **DUNKIRK, NY 14048 NY MANIFEST** 

0.113 mi. 599 ft.

Click here for full text details

Relative: Lower

**RCRA NonGen / NLR** EPA Id NYD986948081

**FINDS** 

Registry ID: 110009480203

**ECHO** 

Registry ID 110009480203

**NY MANIFEST** 

EPA ID NYD986948081

1000552409 NYD986948081

**FINDS** 

**ECHO** 

Direction Distance

**EDR ID Number** Database(s) Elevation Site **EPA ID Number** 

**E22 AM & CC CLEANERS INC** NY DRYCLEANERS S128782382 N/A

NE **210 MAIN ST** < 1/8 **DUNKIRK, NY 14048** 

0.113 mi. 599 ft.

Click here for full text details

Relative: Lower

**NY DRYCLEANERS** Facility Id 9-0634-00044

F23 **R.O. PROPER NY Spills** S102178291 N/A

NW **38 SECOND STREET** < 1/8 **DUNKIRK, NY** 

0.119 mi. 628 ft.

Click here for full text details

Relative: Lower

**NY Spills** 

Spill Number/Closed Date 9311166 / 1993-12-16

Site ID 287958 Spill Date 1993-12-14

24 ALLEGHENY LUDLUM/ DUNKIRK, N.Y. MINES MRDS 1025634239

SW **CHAUTAUQUA (County), NY** 

< 1/8 0.125 mi. 660 ft.

Click here for full text details

Relative: Lower

G25 RCRA NonGen / NLR 1000137034 **NYNEX FINDS** NYD981483258

SW **418 WASHINGTON ST** 1/8-1/4 DUNKIRK, NY 14048 0.129 mi.

683 ft.

Click here for full text details

Relative: Higher

RCRA NonGen / NLR EPA Id NYD981483258

**FINDS** 

Registry ID: 110004404323

**ECHO** 

Registry ID 110004404323

NY MANIFEST

EPA ID NYD981483258

N/A

**ECHO** 

**NY MANIFEST** 

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**G26 VERIZON NEW YORK INC-NY-63711** NY TANKS U003317798 N/A

SW **418 WASHINGTON ST** 1/8-1/4 DUNKIRK, NY 14048

0.129 mi. 683 ft.

Click here for full text details

Relative: Higher

**NY TANKS** 

Site Status Active Facility Id 9-418374

G27 **NEW YORK TELEPHONE DUNK** NY LTANKS \$110773962 N/A

SW **418 WASHINGTON STREET** 

1/8-1/4 **DUNKIRK, NY** 

0.129 mi. 683 ft.

Click here for full text details

Relative: Higher

**NY LTANKS** 

Spill Number/Closed Date 9106521 / 1992-01-24

Site ID 202074 Spill Date 1991-09-16

28 208-214 WASHINGTON AVENUE SITE NY BROWNFIELDS \$113916507

WNW 208-214 WASHINGTON AVENUE

1/8-1/4 **DUNKIRK, NY 14048** 

0.133 mi. 701 ft.

Click here for full text details

Relative: Lower

**NY BROWNFIELDS** Site Code 464556

**RO PROPER & SON INC** F29 NY UST U004199456

NW **32 E 2ND ST** 1/8-1/4 **DUNKIRK, NY 14048** 

0.134 mi.

705 ft.

Click here for full text details

Relative: Lower

NY LTANKS \$101102969 F30 **DAVID PROPER** 

NW 32 EAST 2ND STREET

1/8-1/4 **DUNKIRK, NY** 

0.134 mi. 705 ft.

Click here for full text details Relative:

Lower

Spill Number/Closed Date 9400348 / 1994-08-04

Spill Number/Closed Date 0175451 / 2004-08-13

Site ID 95619 Site ID 95618

Spill Date 1994-04-05 Spill Date 2001-12-01

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N/A

N/A

N/A

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

F31 R. O. PROPER

NW 32 EAST SECOND STREET

1/8-1/4 **DUNKIRK, NY** 0.134 mi.

705 ft.

Click here for full text details

Relative: Lower

**NY LTANKS** 

Spill Number/Closed Date 8703343 / 1987-10-05

Site ID 141218 Spill Date 1987-04-27

H32 LARRY SPACC PONTIAC INC North **87 LAKE SHORE DR E DUNKIRK, NY 14048** 

1/8-1/4 0.160 mi. 843 ft.

Click here for full text details

Relative: Lower

**RCRA-VSQG** 

EPA Id NYD013512744

Registry ID: 110004348983

**ECHO** 

Registry ID 110004348983

**NY MANIFEST** 

EPA ID NYD013512744

H33 LARRY SPACC PONTIAC GMC North 87 LAKESHORE DR. EAST

1/8-1/4 **DUNKIRK, NY 14048** 0.160 mi.

843 ft.

Click here for full text details

Relative: Lower

**NY AST** 

Facility Id 9-600884

134 **DUNKIRK GAS STATION** South 45 E. 5TH STREET 1/8-1/4 **DUNKIRK, NY** 

0.170 mi. 897 ft.

Click here for full text details

Relative: Higher

**NY LTANKS** 

Spill Number/Closed Date 8602003 / 1987-06-01

Site ID 125143 Spill Date 1986-06-18

S102659984

**NY LTANKS** 

N/A

RCRA-VSQG 1000372561 **FINDS** NYD013512744

NY AST A100294756

**NY LTANKS** 

N/A

S100118510

N/A

NY MANIFEST

**ECHO** 

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Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

I35 RALPHS PENNZOIL NY UST U001327517
South 45 EAST FIFTH ST N/A

South 45 EAST FIFTH ST 1/8-1/4 DUNKIRK, NY 14048 0.170 mi.

897 ft.

Click here for full text details

Relative: Higher

 H36
 MEADOW BROOK DAIRY
 NY LTANKS
 U003318213

 North
 75 LAKE SHORE DR. E.
 NY UST
 N/A

1/8-1/4 0.179 mi. 943 ft.

Click here for full text details

Relative: Lower

NY LTANKS

DUNKIRK, NY 14046

Spill Number/Closed Date 9202092 / 1992-11-25

Site ID 260582 Spill Date 1992-04-28

 37
 SHERWIN-WILLIAMS CO THE
 RCRA NonGen / NLR
 1000131738

 SW
 404 CENTRAL AVE
 FINDS
 NYD079937256

1/8-1/4 DUNKIRK, NY 14048 0.189 mi. 997 ft.

Click here for full text details

Relative: Lower

RCRA NonGen / NLR EPA Id NYD079937256

EPA IG NY D0/993/256

**FINDS** 

Registry ID: 110004370813

**ECHO** 

Registry ID 110004370813

 J38
 N. DEER STREET
 US BROWNFIELDS
 1026464340

 North
 5-15 N DEER ST.
 N/A

1/8-1/4 DUNKIRK, NY 14048 0.207 mi.

1095 ft.

Click here for full text details

Relative: Lower

**US BROWNFIELDS** 

ACRES property ID 243074

**ECHO** 

Direction Distance

Elevation Site Database(s) EPA ID Number

K39 CLIFFSTAR LLC ESE 1 CLIFFSTAR AVE 1/8-1/4 DUNKIRK, NY 14048

0.213 mi. 1125 ft.

Click here for full text details

Relative: Higher NY UST
NY CBS
NY AST
NY Spills
ICIS
FINDS
ECHO
PA MANIFEST
NY MANIFEST
NY SPDES
NY COOLING TOWERS

**EDR ID Number** 

NYD986910578

RCRA-VSQG 1000447029

NY LTANKS

#### **RCRA-VSQG**

EPA Id NYD986910578

#### **NY LTANKS**

Spill Number/Closed Date 8904458 / 1989-08-08 Site ID 289762 Spill Date 1989-08-03

### **NY CBS**

Facility Status Unregulated/Closed Facility Status Active CBS Number 9-000247 CBS Number 9-000453

## NY AST

Facility Id 9-000247

Spill Date 2005-09-08

## **NY Spills**

Spill Number/Closed Date 0550946 / 2005-11-08 Spill Number/Closed Date 0750841 / 2007-09-12 Spill Number/Closed Date 1214420 / 2013-01-10 Spill Number/Closed Date 9609769 / 1996-11-12 Spill Number/Closed Date 9975111 / 1999-05-14 Spill Number/Closed Date 1201069 / 2012-05-07 Spill Number/Closed Date 9008909 / 1991-05-09 Spill Number/Closed Date 9105259 / 1991-08-15 Spill Number/Closed Date 1109780 / 2011-11-04 Spill Number/Closed Date 1105841 / 2011-09-27 Site ID 352287 Site ID 387109 Site ID 477661 Site ID 285986 Site ID 289763 Site ID 463737 Site ID 281020 Site ID 281021 Site ID 457562 Site ID 453508

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **CLIFFSTAR LLC (Continued)**

1000447029

Spill Date 2007-09-12 Spill Date 2013-01-09 Spill Date 1996-10-30 Spill Date 1999-05-06 Spill Date 2012-05-03 Spill Date 1990-11-14

Spill Date 1991-07-02 Spill Date 2011-11-04

Spill Date 2011-08-23

#### ICIS

FRS ID: 110002094466

#### **FINDS**

Registry ID: 110002094466

### **ECHO**

Registry ID 110002094466

### **PA MANIFEST**

Generator EPA Id NYD986910578

#### **NY MANIFEST**

EPA ID NYD986910578

#### **NY SPDES**

Permit Number NYR00E666

K40 CLIFFSTAR CORP. **ESE** 1 CLIFFSTAR AVE. 1/8-1/4 **DUNKIRK, NY 14048** 0.213 mi.

Click here for full text details

Relative: Higher

1125 ft.

**NY CBS AST** 

Facility Status IN SERVICE Facility Status 2 CBS Number 9-000247

## **NY Spills**

Spill Number/Closed Date 9210797 / 1992-12-17 Site ID 136734 Spill Date 1992-12-17

NY CBS AST

**NY Spills** 

S102174986

N/A

Direction Distance

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

K41 TANK AT CLIFFSTAR NY LTANKS S103824137
ESE ONE CLIFFSTAR AVENUE N/A

1/8-1/4 DUNKIRK, NY

0.216 mi. 1138 ft.

Click here for full text details

Relative: Higher

**NY LTANKS** 

Spill Number/Closed Date 9875403 / 1999-10-14

Site ID 136735 Spill Date 1999-02-16

J42 LAKE SHORE DRIVE US BROWNFIELDS 1026464277
NNW 66 - 80 LAKE SHORE DR. E. N/A

NNW 66 - 80 LAKE SHORE DR. E. 1/8-1/4 DUNKIRK, NY 14048

0.217 mi. 1146 ft.

Click here for full text details

Relative: Lower

**US BROWNFIELDS** 

ACRES property ID 243073

43 ROADWAY IN FRONT OF NY UST U004064200

WSW FOURTH ST. AT LARK ST 1/8-1/4 DUNKIRK, NY 14048 0.235 mi.

0.235 III 1241 ft.

Relative: Click here for full text details

**435 CENTRAL AVENUE** 

DUNKIRK, NY 14048

Lower

L44 ROBO #0658-8370 NY UST U003316728

SW 1/8-1/4 0.246 mi. 1299 ft.

Click here for full text details

Relative: Higher

NY Spills

Spill Number/Closed Date 9402250 / 1995-02-17

Spill Number/Closed Date 0275435 / 2002-12-17 Spill Number/Closed Date 0275585 / 2003-08-14

Spill Number/Closed Date 8900298 / 1989-07-07 Spill Number/Closed Date 8901637 / 1989-10-25

Spill Number/Closed Date 0813356 / 2010-12-08

Site ID 291567 Site ID 291562

Site ID 291563 Site ID 291564

Site ID 291565

Site ID 411043 Spill Date 1994-01-01

Spill Date 2002-10-01

Spill Date 2003-03-21 Spill Date 1989-04-10

Spill Date 1989-04-10 Spill Date 1989-05-18

Spill Date 2009-03-11

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N/A

N/A

**NY Spills** 

Direction Distance

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

L45 ATLANTIC STATION NY LTANKS S118953714 SW 437 CENTRAL AVENUE N/A

1/8-1/4 DUNKIRK, NY 0.246 mi.

1299 ft.

Click here for full text details

Relative: Higher

**NY LTANKS** 

Spill Number/Closed Date 9006981 / 1991-03-04

Site ID 291566 Spill Date 1990-09-24

L46 ATLANTIC SERVICE STATION SW 437 CENTRAL AVE 1/8-1/4 DUNKIRK, NY 14048

1/8-1/4 0.246 mi. 1299 ft.

Click here for full text details

Relative: Higher Onor here for full text details

RCRA NonGen / NLR EPA Id NYD986897924

FINDS

Registry ID: 110004445262

**ECHO** 

Registry ID 110004445262

**NY MANIFEST** 

EPA ID NYD986897924

47 CROSBY'S DUNKIRK WNW 106 CENTRAL AVENUE 1/8-1/4 DUNKIRK, NY 14048

0.248 mi. 1310 ft.

Click here for full text details

Relative: Lower

**NY LTANKS** 

Spill Number/Closed Date 9214032 / 1996-08-20

Site ID 218077 Spill Date 1993-03-01

**NY AST** 

Facility Id 9-386510

**NY Spills** 

Spill Number/Closed Date 9314647 / 1994-03-10 Spill Number/Closed Date 0275182 / 2002-06-28 Spill Number/Closed Date 8912245 / 1990-10-23 Spill Number/Closed Date 1106971 / 2011-09-06

Site ID 218078 Site ID 218075

U003317554

N/A

RCRA NonGen / NLR 1000153459

**FINDS** 

**ECHO** 

**NY MANIFEST** 

NY LTANKS

**NY UST** 

**NY AST** 

**NY Spills** 

NYD986897924

TC7359476.3s Page 20

MAP FINDINGS Map ID

Direction Distance Elevation

Site

Database(s)

**EDR ID Number EPA ID Number** 

CROSBY'S DUNKIRK (Continued)

U003317554

NY0000343897

Site ID 218076 Site ID 454657 Spill Date 1994-03-01 Spill Date 2002-06-28 Spill Date 1990-03-22

Spill Date 2011-09-04

48 SSW 1/4-1/2 0.309 mi.

**BROOKS MEMORIAL HOSPITAL 529 CENTRAL AVENUE** 

DUNKIRK, NY 14048

1630 ft.

Click here for full text details

Relative: Higher

**NY AST FINDS ECHO NY AIRS NY MANIFEST NJ MANIFEST** 

NY LTANKS

**NY UST** 

RCRA-VSQG 1000890336

RCRA-VSQG

EPA Id NY0000343897

**NY LTANKS** 

Spill Number/Closed Date 9875212 / 1999-05-26 Site ID 169416 Spill Date 1998-11-18

**NY AST** 

Facility Id 9-027723

**FINDS** 

Registry ID: 110004315866

Registry ID 110004315866

**NY AIRS** 

DEC ld 9060300004

**NY MANIFEST** 

EPA ID NY0000343897

**NJ MANIFEST** 

EPA Id NY0000343897

Direction Distance

Elevation Site Database(s) EPA ID Number

 M49
 NFG - DUNKIRK FORMER MGP
 NY SHWS
 \$110243669

 WNW
 31 WEST 2ND STREET
 NY Spills
 N/A

1/4-1/2 0.314 mi. 1656 ft.

Click here for full text details

Relative: Lower

NY SHWS

Site Code 407021

**DUNKIRK, NY 14048** 

**NY Spills** 

Spill Number/Closed Date 0913680 / 2010-03-26

Site ID 426638 Spill Date 2010-03-25

\_\_\_\_\_

 M50
 NATIONAL FUEL GAS - DUNKIRK
 RCRA-LQG
 1001090177

 WNW
 31 W 2ND ST
 NY LTANKS
 NYR000020107

1/4-1/2 DUNKIRK, NY 14048 0.314 mi.

1656 ft.

<u>Click here for full text details</u>

Relative: Lower

RCRA-LQG

EPA Id NYR000020107

**NY LTANKS** 

Spill Number/Closed Date 9609959 / 1997-12-29 Site ID 76139

Spill Date 1996-11-08

NY Spills

Spill Number/Closed Date 2005475 / 2021-01-20 Site ID 611266

Spill Date 2020-09-16

**FINDS** 

Registry ID: 110004522614

**ECHO** 

Registry ID 110004522614

NY MANIFEST

EPA ID NYR000020107

**EDR ID Number** 

**NY Spills** 

**FINDS** 

ECHO NY MANIFEST

Direction Distance

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

M51 DUNKIRK GAS WORKS EDR MGP 1008407921
West W 2ND STREET AND SWAN N/A

1/4-1/2 DUNKIRK, NY 14048 0.346 mi.

1826 ft.

Click here for full text details

Relative: Lower

 N52
 REED'S MOBIL SERVICE
 NY LTANKS
 U003317919

 NE
 186 L S DR EAST
 NY UST
 N/A

 1/4-1/2
 DUNKIRK, NY 14640
 NY AST
 NY AST

 0.360 mi.
 NY AST
 NY AST
 NY AST

1902 ft. Relative: Lower

Click here for full text details

NY LTANKS

Spill Number/Closed Date 9200524 / 1992-08-31

Site ID 301683 Spill Date 1992-04-01

**NY AST** 

Facility Id 9-421200

N53 DUNKIRK PUBLIC SCHOOLS NY LTANKS S100782267
NE LAKE SHORE DRIVE EAST N/A

NE LAKE SHORE DRIV 1/4-1/2 DUNKIRK, NY

1/4-1/2 DUNKIRK, 0.402 mi.

Click here for full text details
Relative:

Lower

2124 ft.

NY LTANKS

Spill Number/Closed Date 9311277 / 1994-12-09

Site ID 149406 Spill Date 1993-12-01

54 DUNKIRK STORM SEWER NY LTANKS S100119698
NW ROUTE 5 NY Spills N/A

1/4-1/2 DUNKIRK, NY 0.405 mi.

2136 ft.

Click here for full text details

Relative: Lower

**NY LTANKS** 

Spill Number/Closed Date 8701338 / 1989-08-07

Site ID 110423 Spill Date 1987-05-13

NY Spills

Spill Number/Closed Date 9608950  $\,/\,\,$  1996-10-23

Spill Number/Closed Date 9610164 / 1996-11-20

Site ID 110445 Site ID 110446 Spill Date 1996-10-17 Spill Date 1996-11-14

Direction Distance

Elevation Site Database(s) EPA ID Number

55 KING BROS WHOLESALE CO INC NY LTANKS U001851854 ESE 134 FRANKLIN AVE NY UST N/A

1/4-1/2 DUNKIRK, NY 14048 0.423 mi.

NY Spills NY MANIFEST

**NY Spills** 

N/A

**EDR ID Number** 

2234 ft.

Click here for full text details

Relative: Higher

**NY LTANKS** 

Spill Number/Closed Date 9103052 / 1993-09-08

Site ID 234856 Spill Date 1991-03-28

**NY Spills** 

Spill Number/Closed Date 0613091 / 2007-03-22

Site ID 378057 Spill Date 2007-03-06

NY MANIFEST

EPA ID NYP000908988

56 OLD SCHOOL BUILDING NY LTANKS \$106969089

SSW 715 CENTRAL AVE. 1/4-1/2 DUNKIRK, NY 0.499 mi.

0.499 m 2633 ft.

Click here for full text details

Relative: Higher

**NY LTANKS** 

Spill Number/Closed Date 9711651 / 1998-03-05

Site ID 322818 Spill Date 1998-01-14

**NY Spills** 

Spill Number/Closed Date 0550517 / 2005-12-28

Site ID 348198 Spill Date 2005-06-24

57 MARSH VALVE NY SHWS 1009235331 WSW 307 BRIGHAM ROAD NY MANIFEST N/A

1/2-1 0.800 mi. 4223 ft.

Click here for full text details

Relative: Higher

**NY SHWS** 

Site Code 56745

**DUNKIRK, NY 14048** 

NY MANIFEST

EPA ID NYP003602190

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
NY	AIRS	Air Emissions Data	Department of Environmental Conservation	02/14/2023	02/15/2023	05/09/2023
NY	AST	Petroleum Bulk Storage	Department of Environmental Conservation	02/14/2023	03/21/2023	06/02/2023
NY	BROWNFIELDS	Brownfields Site List	Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023
NY	CBS	Chemical Bulk Storage Site Listing	Department of Environmental Conservation	02/14/2023	03/21/2023	06/02/2023
NY	CBS AST	Chemical Bulk Storage Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	CBS UST	Chemical Bulk Storage Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	COAL ASH	Coal Ash Disposal Site Listing	Department of Environmental Conservation	03/22/2023	03/24/2023	06/07/2023
NY	COOLING TOWERS	Registered Cooling Towers	Department of Health	01/03/2023	01/11/2023	03/24/2023
NY	DEL SHWS	Delisted Registry Sites	Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023
NY	DRYCLEANERS	Registered Drycleaners	Department of Environmental Conservation	03/06/2023	03/08/2023	05/25/2023
NY	E DESIGNATION	E DESIGNATION SITE LISTING	New York City Department of City Planning	10/27/2022	12/12/2022	03/07/2023
NY	ENG CONTROLS	Registry of Engineering Controls	Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023
NY	ENV RES DECL	Environmental Restrictive Declarations	New York City Department of City Planning	09/27/2022	03/21/2023	06/02/2023
NY	ERP	Environmental Restoration Program Listing	Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023
NY	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Conservation	12/21/2022	12/21/2022	03/13/2023
NY	Financial Assurance 2	Financial Assurance Information Listing	Department of Environmental Conservation	07/31/2021	01/05/2023	03/24/2023
NY	HIST AST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006
NY	HIST LTANKS	Listing of Leaking Storage Tanks	Department of Environmental Conservation	01/01/2002	07/08/2005	07/14/2005
NY	HIST SPILLS	SPILLS Database	Department of Environmental Conservation	01/01/2002	07/08/2005	07/14/2005
NY	HIST UST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006
NY	HSWDS	Hazardous Substance Waste Disposal Site Inventory	Department of Environmental Conservation	01/01/2003	10/20/2006	11/30/2006
NY	INST CONTROL	Registry of Institutional Controls	Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023
NY	LIENS	Spill Liens Information	Office of the State Comptroller	02/01/2023	02/02/2023	04/25/2023
NY	LTANKS	Spills Information Database	Department of Environmental Conservation	02/06/2023	02/02/2023	02/09/2023
NY	MOSF	Major Oil Storage Facility Site Listing	Department of Environmental Conservation	02/14/2023	03/21/2023	06/02/2023
NY	MOSF AST	Major Oil Storage Facilities Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	MOSF UST	Major Oil Storage Facilities Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2002	10/29/2021	01/19/2022
NY	NYC LEAD	Lead-based Paint Testing Results	New York City Department of Education	12/31/2022	02/01/2023	04/25/2023
NY	NYC LEAD 2	Recent Lead Paint Violations	New York City Department of Housing Preservat	01/30/2023	02/01/2023	04/25/2023
NY	PFAS	PFAS Contamination Site Location Listing	Department of Environmental Conservation	01/16/2019	05/08/2019	06/24/2019
NY	PFAS 2	New York State Inactive Landfill Initiative	Department of Environmental Conservation  Department of Environmental Conservation	11/14/2022	01/12/2023	01/23/2023
NY	PFAS 3	PFAS Environmental Site Remediation List	Department of Environmental Conservation  Department of Environmental Conservation	02/06/2023	02/07/2023	04/25/2023
NY	RES DECL	Restrictive Declarations Listing	NYC Department of City Planning	09/27/2022	12/12/2022	03/06/2023
NY	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Conservation	03/21/2022	07/01/2013	12/30/2013
NY	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Conservation		07/01/2013	01/10/2014
NY	SHWS	Inactive Hazardous Waste Disposal Sites in New York State	Department of Environmental Conservation  Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023
NY	SPDES	•	•	10/20/2023	11/09/2022	04/24/2023
	SPILLS	State Pollutant Discharge Elimination System	Department of Environmental Conservation	02/06/2023	02/07/2023	02/09/2023
NY	SPILLS 80	Spills Information Database SPILLS80 data from FirstSearch	Department of Environmental Conservation FirstSearch	11/02/2010	02/07/2023	02/09/2023
NY		SPILLS00 data from FirstSearch	FirstSearch			
NY	SPILLS 90			12/14/2012	01/03/2013 12/22/2022	02/12/2013
NY	SWF/LF SWRCY	Facility Register	Department of Environmental Conservation	12/21/2022		12/30/2022
NY	SWRCY	Registered Recycling Facility List	Department of Environmental Conservation	12/21/2022	12/22/2022	12/30/2022
NY	SWTIRE	Registered Waste Tire Storage & Facility List	Department of Environmental Conservation	02/27/2018	04/06/2018	06/08/2018
NY	TANKS	Storage Tank Facility Listing	Department of Environmental Conservation	02/14/2023	03/21/2023	06/02/2023
NY	UIC	Underground Injection Control Wells	Department of Environmental Conservation	02/26/2023	03/01/2023	05/19/2023
INY	UST	Petroleum Bulk Storage (PBS) Database	Department of Environmental Conservation	02/14/2023	03/21/2023	06/02/2023

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
NY	VAPOR REOPENED	Vapor Intrusion Legacy Site List	Department of Environmenal Conservation	01/01/2022	02/08/2022	05/06/2022
NY	VCP	Voluntary Cleanup Agreements	Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023
NY	VCP NYC	Voluntary Cleanup Program Listing NYC	New York City Office of Environmental Protect	03/06/2023	03/08/2023	05/25/2023
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/17/2023	03/17/2023	05/30/2023
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	04/27/2023	04/27/2023	05/02/2023
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2020	11/30/2021	02/22/2022
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2022	01/12/2023	04/07/2023
US	CORRACTS	Corrective Action Report	EPA	03/06/2023	03/09/2023	03/20/2023
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	04/26/2023	05/02/2023	05/17/2023
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	01/01/2023	01/04/2023	04/03/2023
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/20/2023	03/21/2023	05/30/2023
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	03/26/2023	03/28/2023	05/30/2023
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	03/08/2023	03/09/2023	05/30/2023
US	FINDS	Facility Index System/Facility Registry System	EPA	02/02/2023	02/28/2023	03/24/2023
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	02/01/2023	02/14/2023	05/02/2023
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/13/2023	02/14/2023	04/19/2023
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	07/26/2021	07/27/2021	10/22/2021
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/19/2023	03/21/2023	05/30/2023
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/19/2022	12/06/2022	03/03/2023
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	11/23/2022	12/06/2022	04/19/2023
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	11/26/2022	12/06/2022	03/03/2023
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/14/2022	12/06/2022	03/03/2023
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	11/23/2022	12/06/2022	03/03/2023
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/14/2022	12/06/2022	03/03/2023
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	11/23/2022	12/06/2022	03/03/2023
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	11/23/2022	12/06/2022	03/03/2023
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/19/2022	12/06/2022	03/03/2023

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	11/23/2022	12/06/2022	04/19/2023
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/14/2022	12/06/2022	03/03/2023
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/14/2022	12/06/2022	03/03/2023
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	11/23/2022	12/06/2022	03/03/2023
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	04/26/2023	05/02/2023	05/17/2023
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	04/26/2023	05/02/2023	05/17/2023
US	LUCIS	Land Use Control Information System	Department of the Navy	02/08/2023	02/09/2023	05/02/2023
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	02/27/2023	03/01/2023	03/24/2023
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	03/15/2023	03/21/2023	05/30/2023
US	NPL	National Priority List	EPA	04/26/2023	05/02/2023	05/17/2023
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	11/03/2022	01/04/2023	04/03/2023
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	07/14/2011	08/05/2011	09/29/2011
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	03/30/2023	03/30/2023	04/07/2023
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	03/30/2023	03/30/2023	04/07/2023
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	02/23/2022	07/08/2022	11/08/2022
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	03/30/2023	03/30/2023	05/02/2023
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	03/07/2023	03/07/2023	03/24/2023
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	03/30/2023	03/30/2023	05/02/2023
US	PRP	Potentially Responsible Parties	EPA	04/26/2023	05/02/2023	05/17/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	04/26/2023	05/02/2023	05/17/2023
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditional	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RMP	Risk Management Plans	Environmental Protection Agency	04/27/2022	05/04/2022	05/10/2022
US	ROD	Records Of Decision	EPA	04/26/2023	05/02/2023	05/17/2023
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	04/26/2023	05/02/2023	05/17/2023

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	04/26/2023	05/02/2023	05/17/2023
US	SSTS	Section 7 Tracking Systems	EPA	01/17/2023	01/18/2023	04/19/2023
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2021	02/16/2023	05/02/2023
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	04/06/2023	04/13/2023	04/19/2023
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	01/06/2023	02/02/2023	02/10/2023
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/20/2023	02/21/2023	05/02/2023
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/13/2023	03/21/2023	05/30/2023
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	01/06/2023	02/02/2023	02/10/2023
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/20/2023	02/21/2023	05/02/2023
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/02/2023	02/22/2023	05/17/2023
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/07/2022	02/24/2023	05/17/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	11/09/2021	10/20/2022	01/10/2023
CT NJ PA	CT MANIFEST NJ MANIFEST PA MANIFEST	Hazardous Waste Manifest Data Manifest Information Manifest Information	Department of Energy & Environmental Protecti Department of Environmental Protection Department of Environmental Protection	11/16/2022 12/31/2018 06/30/2018	11/16/2022 04/10/2019 07/19/2019	02/06/2023 05/16/2019 09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
VT	VT MANIFEST	Hazardous Waste Manifest Data	Department of Environmental Conservation	10/28/2019	10/29/2019	01/09/2020
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US US US US US NY	AHA Hospitals Medical Centers Nursing Homes Public Schools Private Schools Daycare Centers	Sensitive Receptor: AHA Hospitals Sensitive Receptor: Medical Centers Sensitive Receptor: Nursing Homes Sensitive Receptor: Public Schools Sensitive Receptor: Private Schools Sensitive Receptor: Day Care Providers	American Hospital Association, Inc. Centers for Medicare & Medicaid Services National Institutes of Health National Center for Education Statistics National Center for Education Statistics Department of Health			
US US NY US US US	Flood Zones NWI State Wetlands Topographic Map Oil/Gas Pipelines Electric Power Transmission Line D	100-year and 500-year flood zones National Wetlands Inventory Freshwater Wetlands	Emergency Management Agency (FEMA) U.S. Fish and Wildlife Service Department of Environmental Conservation U.S. Geological Survey Endeavor Business Media Endeavor Business Media			

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

St Acronym Full Name Government Agency Gov Date Arvl. Date Active Date

#### STREET AND ADDRESS INFORMATION

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# **GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM**

#### **TARGET PROPERTY ADDRESS**

166 EAST 4TH STREET 166 EAST 4TH STREET DUNKIRK, NY 14048

#### **TARGET PROPERTY COORDINATES**

Latitude (North): 42.484738 - 42° 29' 5.06" Longitude (West): 79.330558 - 79° 19' 50.01"

Universal Tranverse Mercator: Zone 17 UTM X (Meters): 637210.5 UTM Y (Meters): 4704734.5

Elevation: 599 ft. above sea level

#### **USGS TOPOGRAPHIC MAP**

Target Property Map: 14106320 DUNKIRK, NY

Version Date: 2019

North Map: 14106344 NORTH OF DUNKIRK, NY

Version Date: 2019

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

#### **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

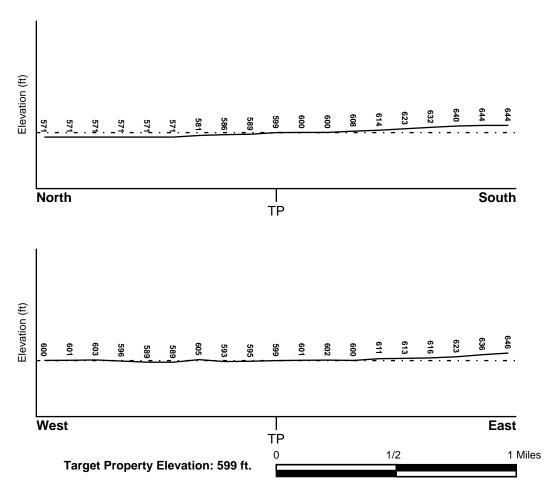
#### **TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

#### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

#### **FEMA FLOOD ZONE**

Flood Plain Panel at Target Property FEMA Source Type

3601370005B FEMA Q3 Flood data

Additional Panels in search area: FEMA Source Type

3611080005C FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

DUNKIRK YES - refer to the Overview Map and Detail Map

#### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### Site-Specific Hydrogeological Data\*:

Search Radius: 1.25 miles Status: Not found

#### **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

#### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

#### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

# **GEOLOGIC AGE IDENTIFICATION**

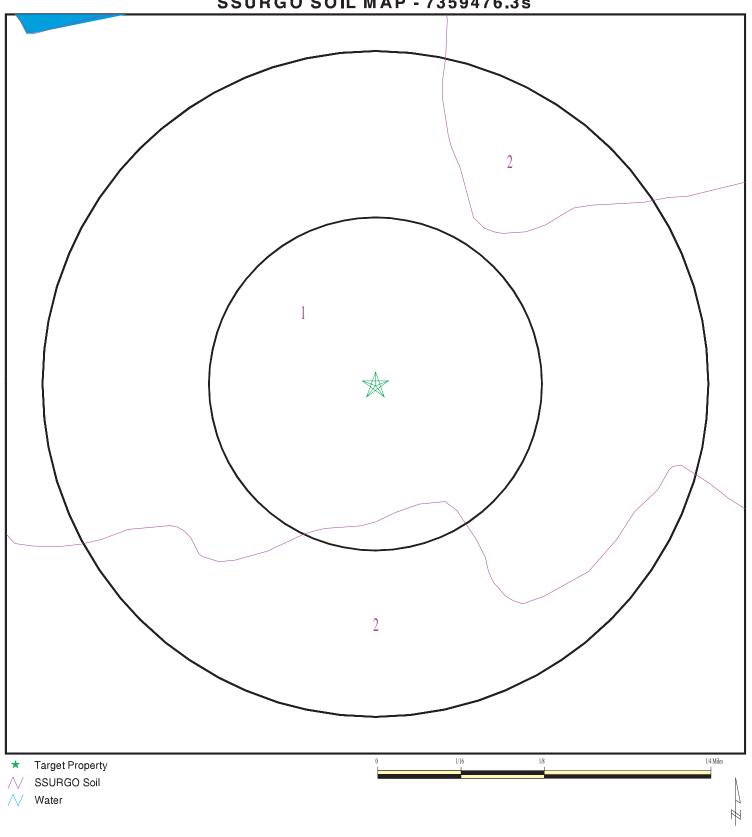
Era: Paleozoic Category: Stratified Sequence

System: Devonian
Series: Upper Devonian

Code: D3 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# **SSURGO SOIL MAP - 7359476.3s**



SITE NAME: 166 East 4th Street ADDRESS: 166 East 4th Street

166 East 4th Street Dunkirk NY 14048 42.484738 / 79.330558 LAT/LONG:

CLIENT: BE3 CONTACT: Jacob Cox INQUIRY#: 7359476.3s

DATE: June 08, 2023 1:30 pm

# DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:

Hydrologic Group: Not reported

Soil Drainage Class: Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Boundary			Classif	ication	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	5 inches		Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: Niagara
Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

	Soil Layer Information							
	Bou	ındary		Classi	fication	Saturated hydraulic		
Layer Upper Lower S		Soil Texture Class	AASHTO Group Unified Soil		conductivity micro m/sec	Soil Reaction (pH)		
1	0 inches	14 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 0.42	Max: 8.4 Min: 6.6	
2	14 inches	37 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 0.42	Max: 8.4 Min: 6.6	
3	37 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 0.42	Max: 8.4 Min: 6.6	
4	59 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 0.42	Max: 8.4 Min: 6.6	

# **LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

#### WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

# FEDERAL USGS WELL INFORMATION

MAP ID WELL ID LOCATION FROM TP

#### FEDERAL USGS WELL INFORMATION

MAP ID WELL ID LOCATION FROM TP

No Wells Found

#### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID LOCATION FROM TP

No PWS System Found

Note: PWS System location is not always the same as well location.

#### STATE DATABASE WELL INFORMATION

MAP ID WELL ID LOCATION FROM TP

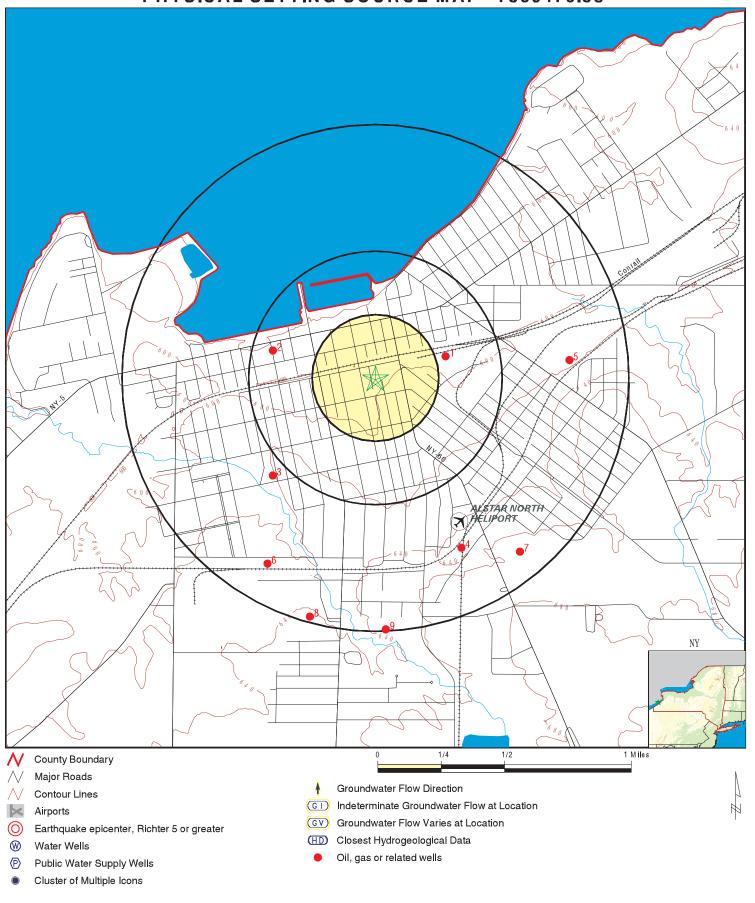
No Wells Found

#### OTHER STATE DATABASE INFORMATION

#### STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NYOG10000029598	1/4 - 1/2 Mile ENE
2	NYOG10000028183	1/4 - 1/2 Mile WNW
3	NYOG1000030535	1/2 - 1 Mile SW
4	NYOG1000030273	1/2 - 1 Mile SSE
5	NYOG10000030207	1/2 - 1 Mile East
6	NYOG10000030235	1/2 - 1 Mile SSW
7	NYOG10000029739	1/2 - 1 Mile SE
8	NYOG1000030236	1/2 - 1 Mile SSW
9	NYOG10000030210	1/2 - 1 Mile South

# PHYSICAL SETTING SOURCE MAP - 7359476.3s



CLIENT: BE3 CONTACT: Jacob Cox SITE NAME: 166 East 4th Street 166 East 4th Street Dunkirk NY 14048 ADDRESS: LAT/LONG: 42.484738 / 79.330558 DATE:

INQUIRY#: 7359476.3s

# **GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID Direction Distance Elevation		Database	EDR ID Number
1 ENE 1/4 - 1/2 Mile	Click here for full text details	OIL_GAS	NYOG10000029598
2 WNW 1/4 - 1/2 Mile	Click here for full text details	OIL_GAS	NYOG10000028183
3 SW 1/2 - 1 Mile	Click here for full text details	OIL_GAS	NYOG10000030535
4 SSE 1/2 - 1 Mile	Click here for full text details	OIL_GAS	NYOG10000030273
5 East 1/2 - 1 Mile	Click here for full text details	OIL_GAS	NYOG10000030207
6 SSW 1/2 - 1 Mile	Click here for full text details	OIL_GAS	NYOG10000030235
7 SE 1/2 - 1 Mile	Click here for full text details	OIL_GAS	NYOG10000029739
8 SSW 1/2 - 1 Mile	Click here for full text details	OIL_GAS	NYOG10000030236
9 South 1/2 - 1 Mile	Click here for full text details	OIL_GAS	NYOG10000030210

# GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

# AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
CHAUTAUQUA	ARKWRIGHT	2	1.8	1.61	2.6
CHAUTAUQUA	BUSTI	36	3.29	2.03	18.7
CHAUTAUQUA	CARROLL	30	10.03	6.67	26.8
CHAUTAUQUA	CHARLOTTE	2	12.35	6.58	22.8
CHAUTAUQUA	CHAUTAUQUA	32	2.47	1.48	10.9
CHAUTAUQUA	CHERRY CREEK	9	5.23	2.93	9.9
CHAUTAUQUA	CLYMER	26	7.78	4.97	22.4
CHAUTAUQUA	DUNKIRK	72	1.86	1.03	22
CHAUTAUQUA	ELLERY	22	10.96	2.71	102.1
CHAUTAUQUA	ELLICOTT	59	5.37	2.97	36
CHAUTAUQUA	ELLINGTON	7	6.56	4.4	15.4
CHAUTAUQUA	GERRY	2	14.15	9.65	24.5
CHAUTAUQUA	HANOVER	82	4.88	2.4	97.7
CHAUTAUQUA	HARMONY	7	1.7	1.13	3.2
CHAUTAUQUA	JAMESTOWN	281	4.82	2.4	74.6
CHAUTAUQUA	KIANTONE	9	7.26	4.6	14.9
CHAUTAUQUA	MINA	3	11.07	7.21	17.2
CHAUTAUQUA	NO. HARMONY	23	3.08	2.13	8
CHAUTAUQUA	POLAND	10	16.37	8.82	49.4
CHAUTAUQUA	POMFRET	136	6.46	2.89	131.3
CHAUTAUQUA	PORTLAND	13	5.06	2.82	18.6
CHAUTAUQUA	RIPLEY	4	3.88	2.2	10.8
CHAUTAUQUA	SHERIDAN	22	11.85	4.16	57.9
CHAUTAUQUA	SHERMAN	17	4.19	2.33	15.7
CHAUTAUQUA	STOCKTON	17	8.71	6.04	23.1
CHAUTAUQUA	VILLENOVA	1	5.3	5.3	5.3
CHAUTAUQUA	WESTFIELD	67	14.18	6.46	141

Federal EPA Radon Zone for CHAUTAUQUA County: 1

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for CHAUTAUQUA COUNTY, NY

Number of sites tested: 122

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.810 pCi/L	100%	0%	0%
Basement	2.150 pCi/L	71%	27%	2%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

#### FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

New York Public Water Wells

Source: New York Department of Health

Telephone: 518-458-6731

#### OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Department of Environmental Conservation

Telephone: 518-402-8072

These files contain records, in the database, of wells that have been drilled.

#### **RADON**

State Database: NY Radon Source: Department of Health Telephone: 518-402-7556 Radon Test Results

Area Radon Information Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

#### **OTHER**

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared

in 1975 by the United State Geological Survey

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### STREET AND ADDRESS INFORMATION

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# Appendix E Building Permits/City Records

166 East 4th Street

166 East 4th Street Dunkirk, NY 14048

Inquiry Number: 7352994.8

June 01, 2023

# **EDR Building Permit Report**

**Target Property and Adjoining Properties** 



# **EDR Building Permit Report: Search Documentation**

6/01/23

Site Name: Client Name:

166 East 4th Street BE3

166 East 4th Street 960 Busti Ave
Dunkirk, NY 14048 Buffalo, NY 14213

EDR Inquiry # 7352994.8 Contact: Jacob Cox

#### Search Documentation

#### **DATA GAP**

The complete collection of Building Permit data available to EDR has been searched, and as of 6/01/23, EDR does not have access to building permits in the city where your target property is located (Dunkirk, NY).

#### Disclaimer - Copyright and Trademark Notice

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# **EDR BUILDING PERMIT REPORT**

#### **About This Report**

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

#### **ASTM and EPA Requirements**

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

#### Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.





# Appendix F Topographical Maps

166 East 4th Street 166 East 4th Street Dunkirk, NY 14048

Inquiry Number: 7352994.4

June 01, 2023

# **EDR Historical Topo Map Report**

with QuadMatch™



# **EDR Historical Topo Map Report**

06/01/23

Site Name: Client Name:

166 East 4th Street BE3

166 East 4th Street 960 Busti Ave
Dunkirk, NY 14048 Buffalo, NY 14213
EDR Inquiry # 7352994.4 Contact: Jacob Cox



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by BE3 were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Coordinates:		
484738 42° 29' 5" North		
.330558 -79° 19' 50" West		
ne 17 North		
7206.69		
04948.67		
9.00' above sea level		

#### **Maps Provided:**

2019

2016

2013

1976, 1979

1954, 1955

1947

1943

1900

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT.

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# Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

# 2019 Source Sheets



Dunkirk 2019 7.5-minute, 24000



North of Dunkirk 2019 7.5-minute, 24000

# 2016 Source Sheets



Dunkirk 2016 7.5-minute, 24000



North of Dunkirk 2016 7.5-minute, 24000

# 2013 Source Sheets



Dunkirk 2013 7.5-minute, 24000



North of Dunkirk 2013 7.5-minute, 24000

# 1976, 1979 Source Sheets



North Of Dunkirk 1976 7.5-minute, 24000 Aerial Photo Revised 1953



Dunkirk 1979

7.5-minute, 24000 Aerial Photo Revised 1976

# Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

# 1954, 1955 Source Sheets



Dunkirk 1954 7.5-minute, 24000 Aerial Photo Revised 1953



North Of Dunkirk 1955 7.5-minute, 24000 Aerial Photo Revised 1953

# 1947 Source Sheets



DUNKIRK 1947 15-minute, 50000

# 1943 Source Sheets

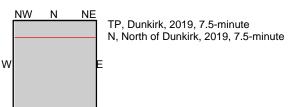


Dunkirk 1943 15-minute, 62500

#### 1900 Source Sheets



Dunkirk 1900 15-minute, 62500



SW

S

SE

SITE NAME: 166 East 4th Street

ADDRESS: 166 East 4th Street

Dunkirk, NY 14048

CLIENT: BE3



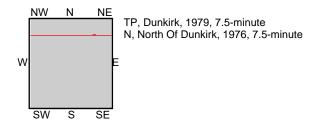
SW

S

SE

County

This report includes information from the following map sheet(s).



0 Miles 0.25 0.5 1 1.5

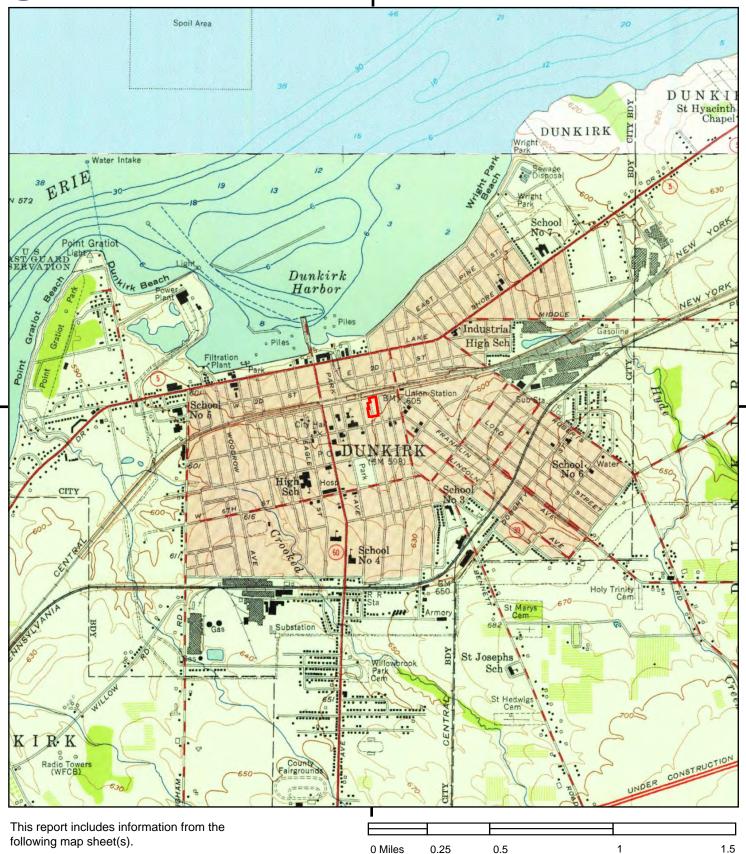
SITE NAME: 166 East 4th Street ADDRESS: 166 East 4th Street

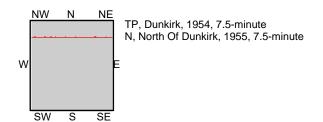
Dunkirk, NY 14048

CLIENT: BE3









SITE NAME: 166 East 4th Street

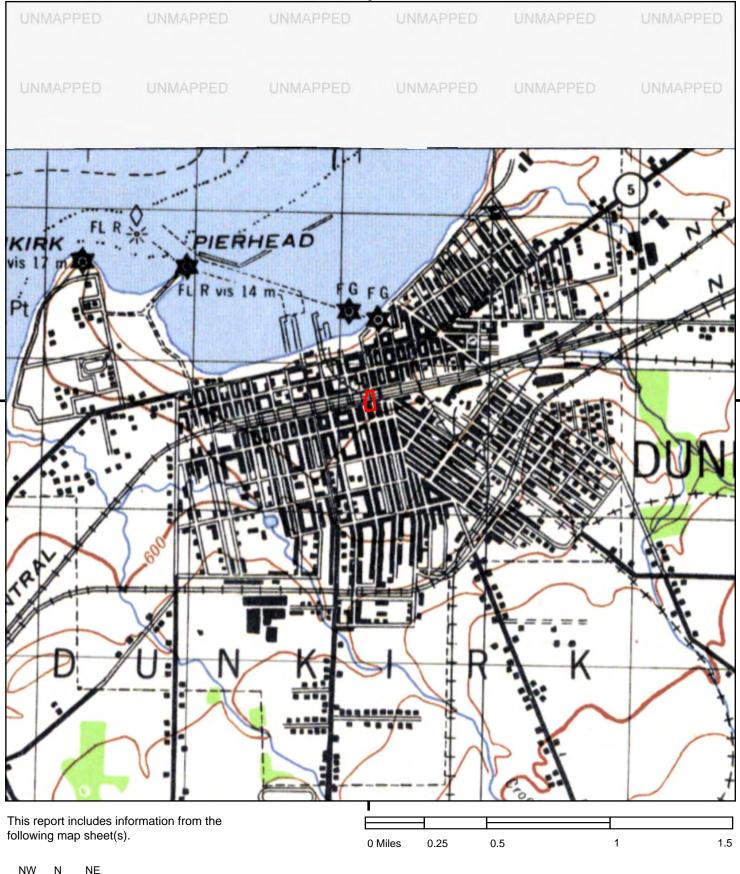
ADDRESS: 166 East 4th Street

Dunkirk, NY 14048

CLIENT: BE3







TP, DUNKIRK, 1947, 15-minute

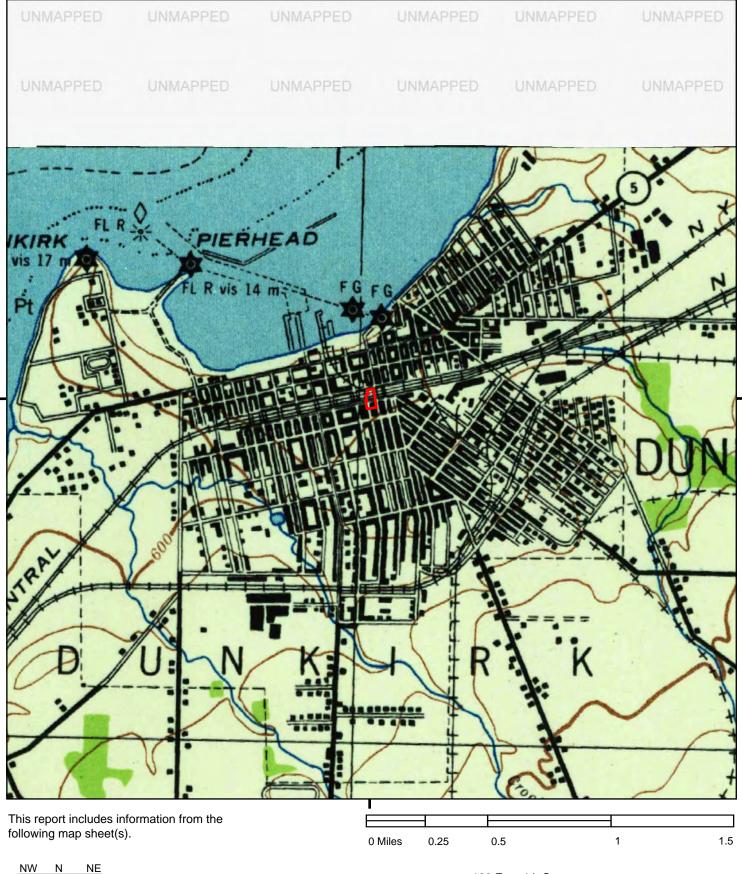
SITE NAME: 166 East 4th Street ADDRESS:

166 East 4th Street Dunkirk, NY 14048

BE3 CLIENT:







NW N NE TP, Dunkirk, 1943, 15-minute
W

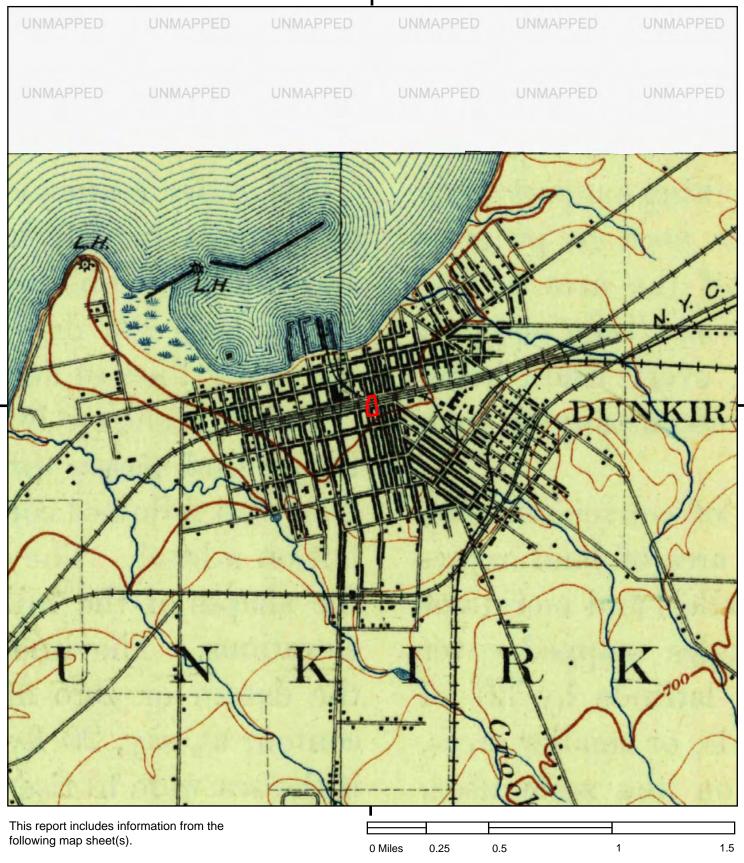
SITE NAME: 166 East 4th Street ADDRESS: 166 East 4th Street

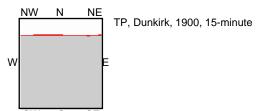
Dunkirk, NY 14048

CLIENT: BE3









SITE NAME: 166 East 4th Street

ADDRESS: 166 East 4th Street

Dunkirk, NY 14048

CLIENT: BE3



# Appendix G Aerial Photographs

# 166 East 4th Street

166 East 4th Street Dunkirk, NY 14048

Inquiry Number: 7359476.5

June 08, 2023

# The EDR Aerial Photo Decade Package



# **EDR Aerial Photo Decade Package**

06/08/23

Site Name: Client Name:

166 East 4th Street BE3

166 East 4th Street 960 Busti Ave
Dunkirk, NY 14048 Buffalo, NY 14213
EDR Inquiry # 7359476.5 Contact: Jacob Cox



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

#### Search Results:

Year	Scale	Details	Source	
		<del></del>	<del></del>	
2019	1"=500'	Flight Year: 2019	USDA/NAIP	
2015	1"=500'	Flight Year: 2015	USDA/NAIP	
2011	1"=500'	Flight Year: 2011	USDA/NAIP	
2008	1"=500'	Flight Year: 2008	USDA/NAIP	
1994	1"=500'	Acquisition Date: April 21, 1994	USGS/DOQQ	
1985	1"=500'	Flight Date: May 03, 1985	USDA	
1970	1"=500'	Flight Date: June 23, 1970	USGS	
1956	1"=500'	Flight Date: October 29, 1956	USGS	

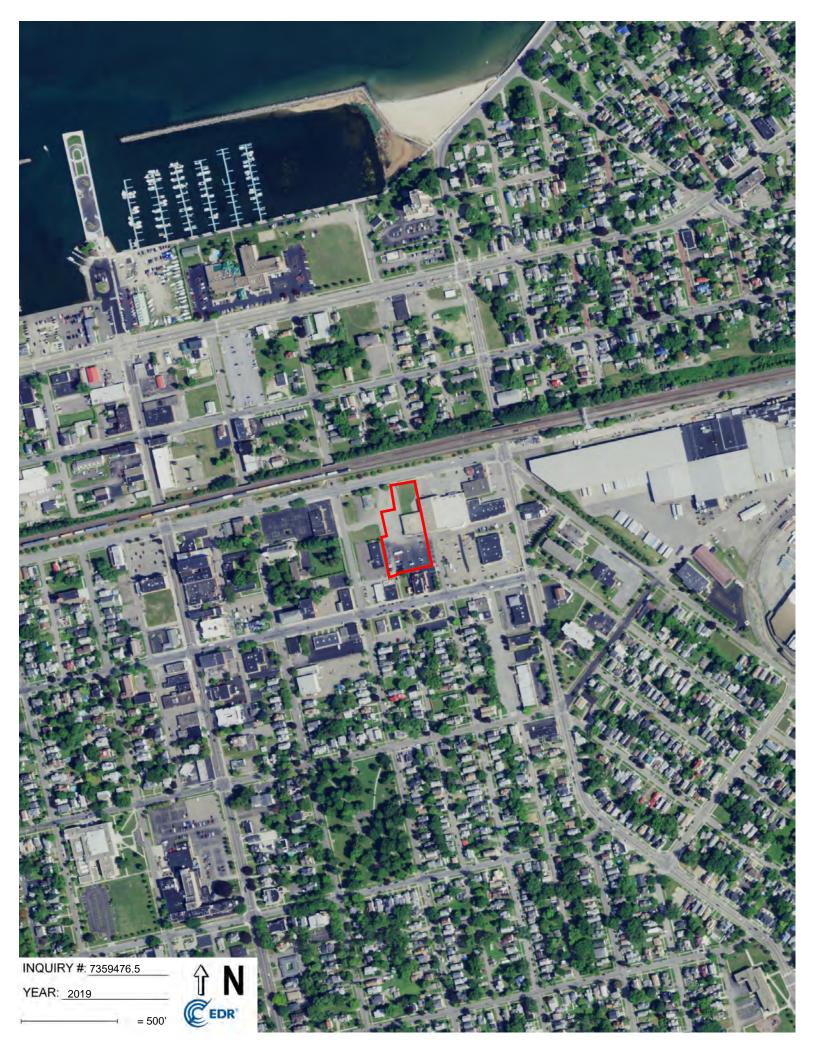
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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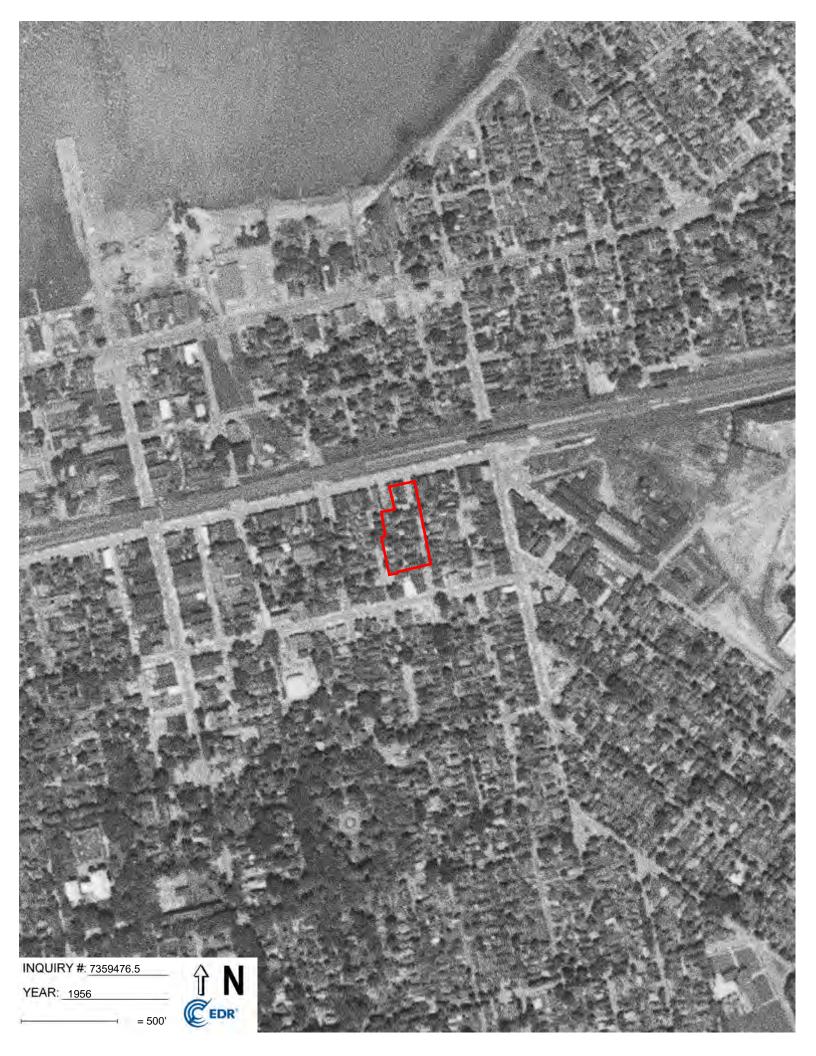












# Appendix H Sanborn Maps

166 East 4th Street 166 East 4th Street Dunkirk, NY 14048

Inquiry Number: 7359476.4

June 08, 2023

# **Certified Sanborn® Map Report**



### **Certified Sanborn® Map Report**

06/08/23

Site Name: Client Name:

166 East 4th Street BE3

166 East 4th Street 960 Busti Ave
Dunkirk, NY 14048 Buffalo, NY 14213
EDR Inquiry # 7359476.4 Contact: Jacob Cox



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by BE3 were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

#### Certified Sanborn Results:

Certification # CBDD-43CC-92E2

PO # NA
Project NA

#### Maps Provided:

1964 1888

1947

1931

1919

1910 1904

1898

1893



Sanborn® Library search results

Certification #: CBDD-43CC-92E2

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress

✓ University Publications of America

▼ EDR Private Collection

The Sanborn Library LLC Since 1866™

#### **Limited Permission To Make Copies**

BE3 (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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page 2

#### Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



#### 1964 Source Sheets



Volume 1, Sheet 5 1964



Volume 1, Sheet 6 1964



Volume 1, Sheet 12 1964



Volume 1, Sheet 13 1964

#### 1947 Source Sheets



Volume 1, Sheet 13 1947



Volume 1, Sheet 12



Volume 1, Sheet 6 1947



Volume 1, Sheet 5 1947

#### 1931 Source Sheets



Volume 1, Sheet 5 1931



Volume 1, Sheet 6 1931



Volume 1, Sheet 13 1931



Volume 1, Sheet 12 1931

#### 1919 Source Sheets



Volume 1, Sheet 5 1919



Volume 1, Sheet 12 1919



Volume 1, Sheet 13 1919



Volume 1, Sheet 6 1919

#### Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



#### 1910 Source Sheets



Volume 1, Sheet 17 1910



Volume 1, Sheet 6 1910



Volume 1, Sheet 16 1910



Volume 1, Sheet 7 1910

#### 1904 Source Sheets



Volume 1, Sheet 6 1904



Volume 1, Sheet 5 1904



Volume 1, Sheet 15 1904



Volume 1, Sheet 14 1904

#### 1898 Source Sheets



Volume 1, Sheet 10 1898



Volume 1, Sheet 9 1898



Volume 1, Sheet 6 1898



Volume 1, Sheet 7 1898

#### 1893 Source Sheets



Volume 1, Sheet 7 1893



Volume 1, Sheet 9 1893



Volume 1, Sheet 10 1893



Volume 1, Sheet 8 1893

#### Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



#### **1888 Source Sheets**



Volume 1, Sheet 7 1888



Volume 1, Sheet 6 1888



Volume 1, Sheet 5 1888

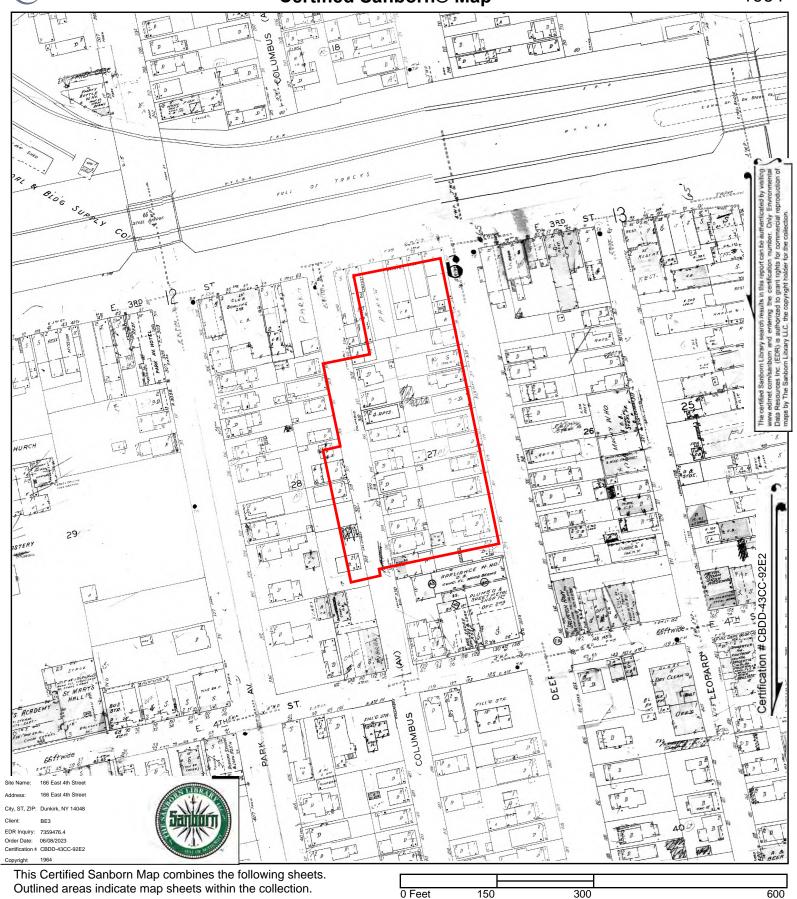


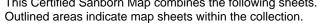
Volume 1, Sheet 4 1888



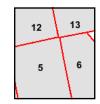
Volume 1, Sheet 10 1888









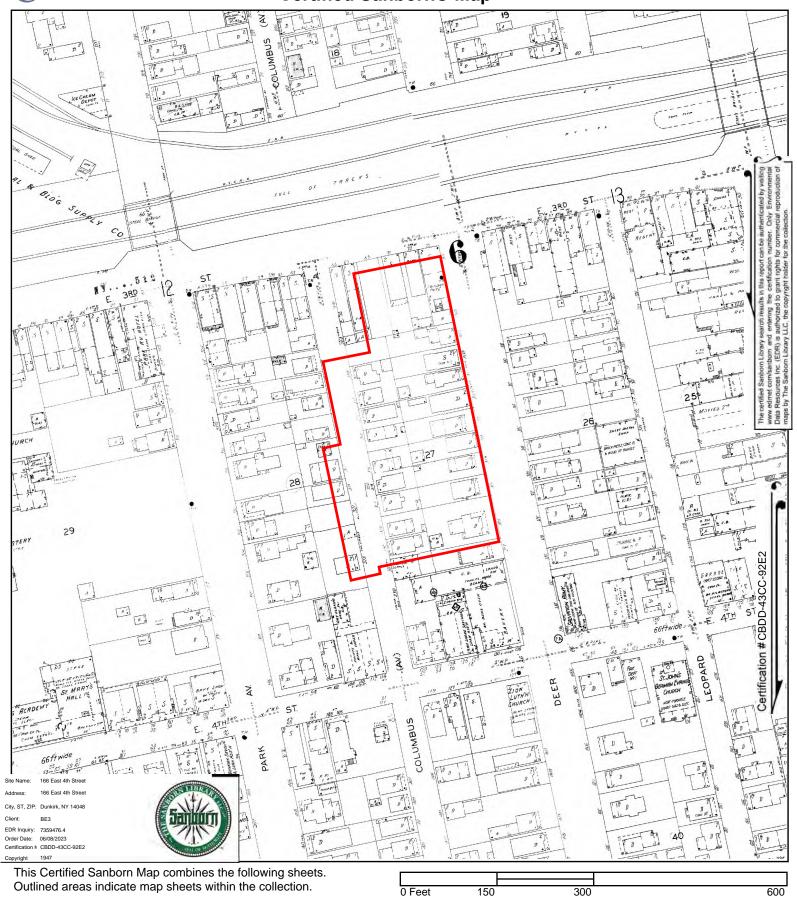


Volume 1, Sheet 13 Volume 1, Sheet 12 Volume 1, Sheet 6 Volume 1, Sheet 5

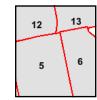


7359476 - 4 page 6



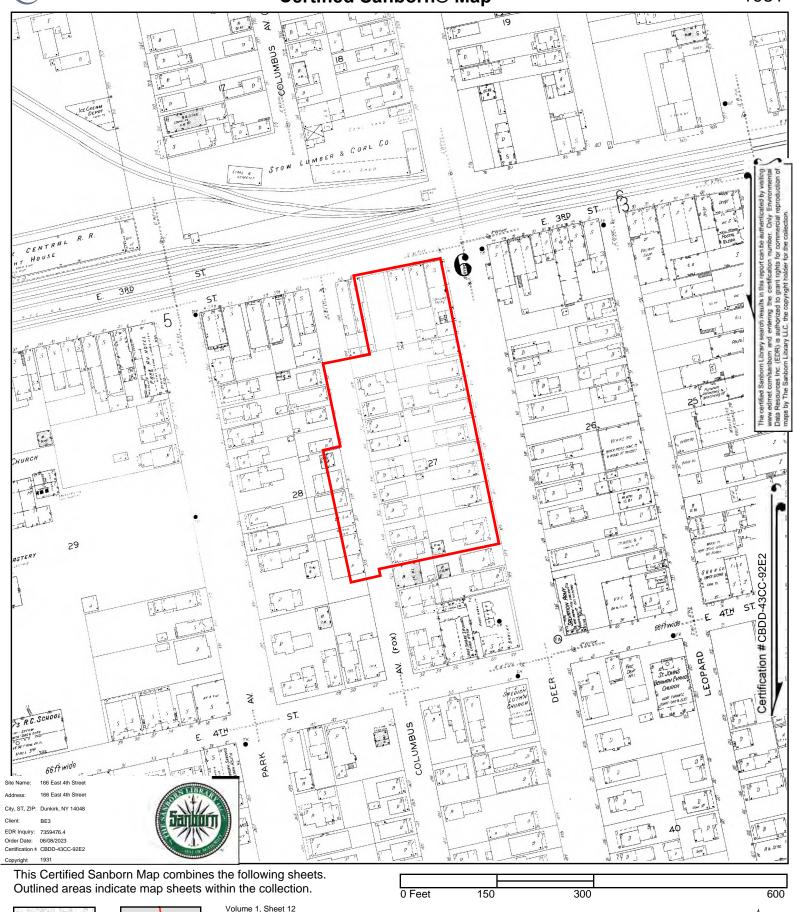






Volume 1, Sheet 5 Volume 1, Sheet 6 Volume 1, Sheet 12 Volume 1, Sheet 13









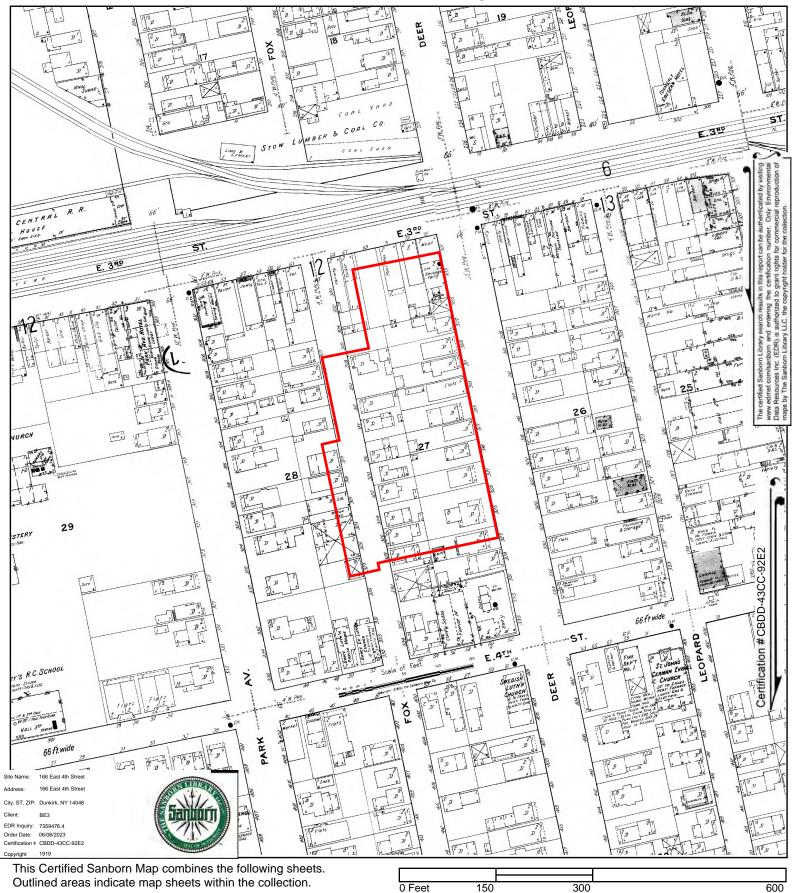
Volume 1, Sheet 12 Volume 1, Sheet 13 Volume 1, Sheet 6 Volume 1, Sheet 5



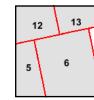
7359476 - 4 page 8











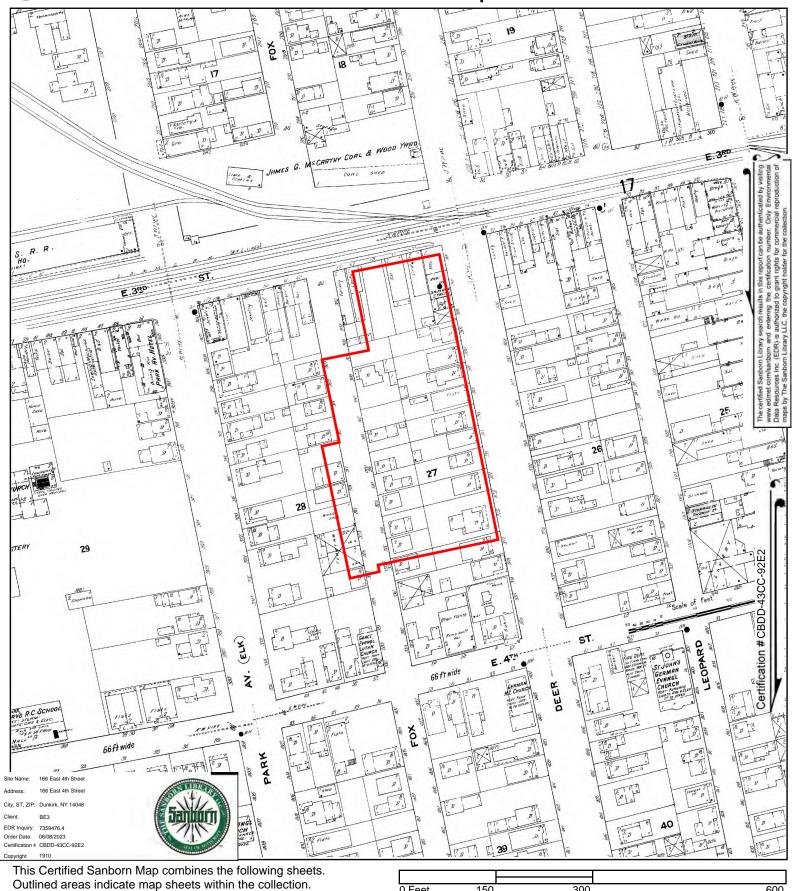
Volume 1, Sheet 6 Volume 1, Sheet 13 Volume 1, Sheet 12 Volume 1, Sheet 5



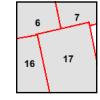










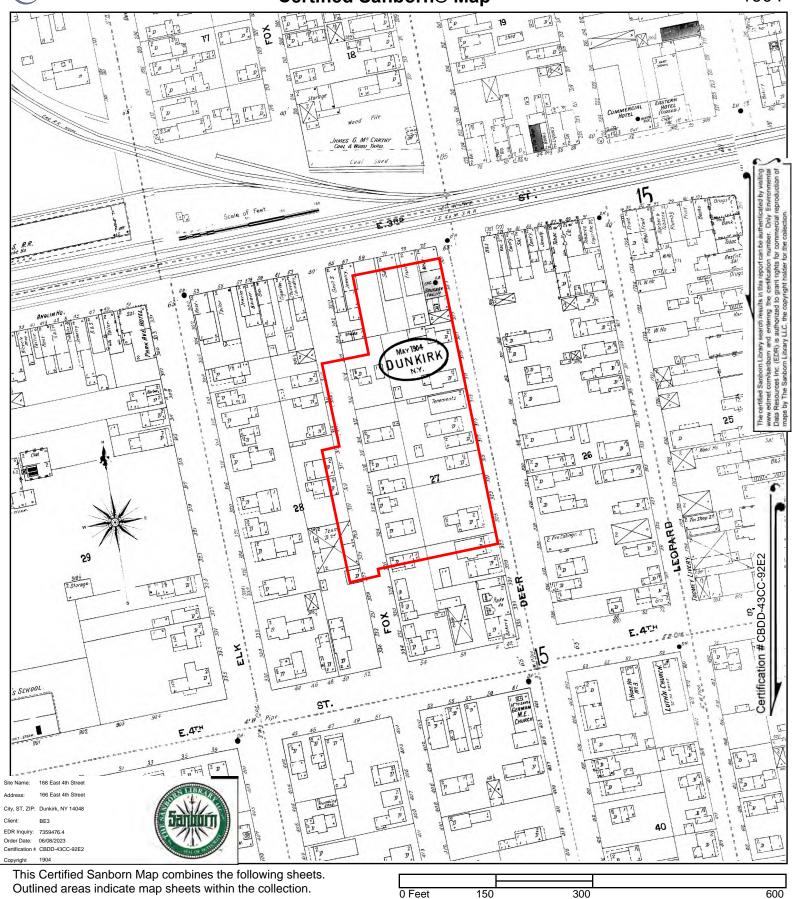


Volume 1, Sheet 7 Volume 1, Sheet 16 Volume 1, Sheet 6 Volume 1, Sheet 17

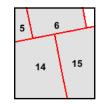
0 Feet 300 600 150



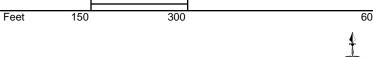






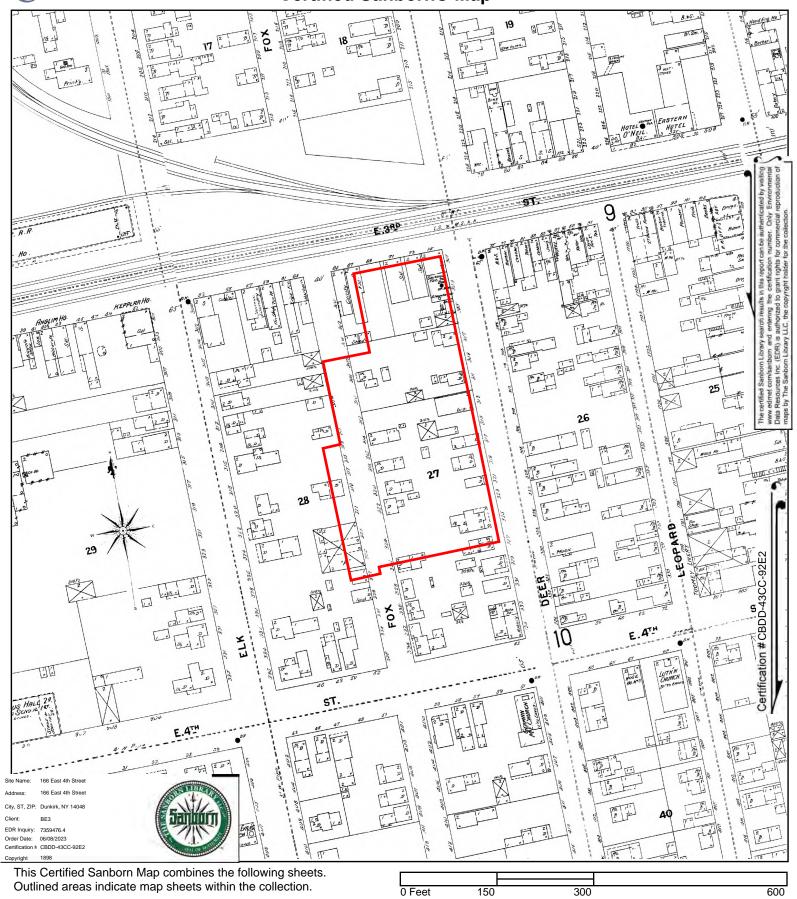


Volume 1, Sheet 14 Volume 1, Sheet 15 Volume 1, Sheet 5 Volume 1, Sheet 6











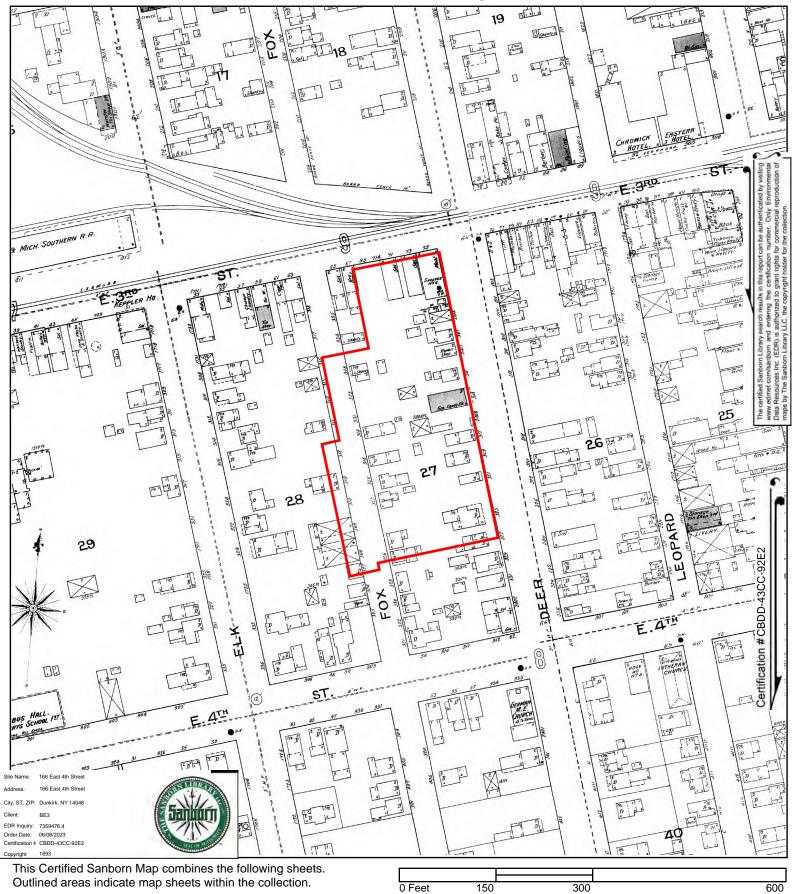


Volume 1, Sheet 7 Volume 1, Sheet 6 Volume 1, Sheet 9 Volume 1, Sheet 10











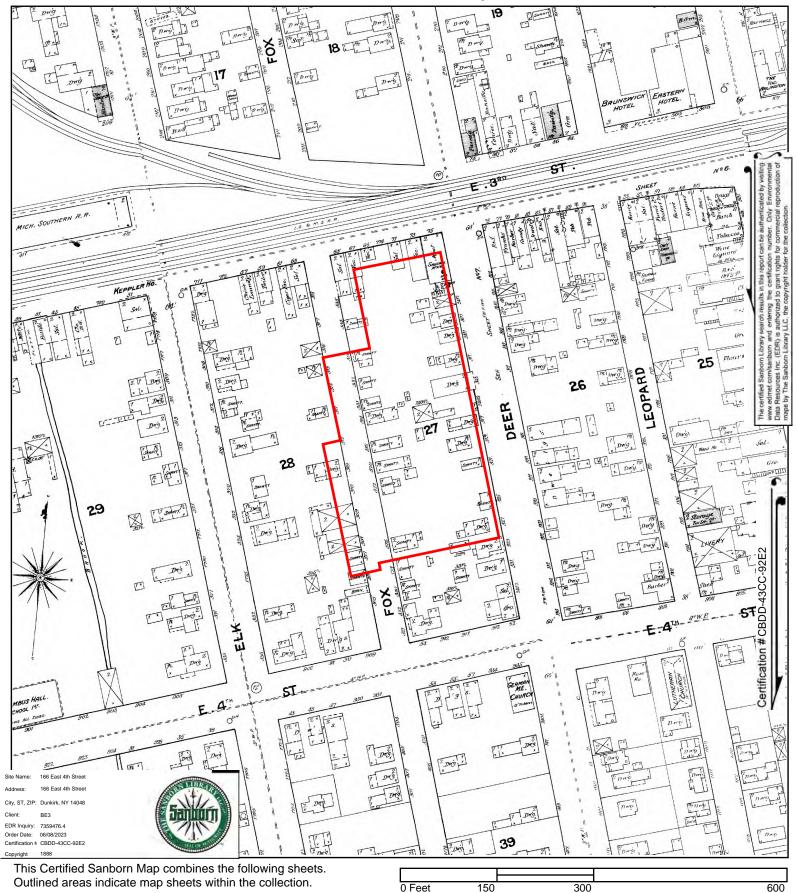


Volume 1, Sheet 8 Volume 1, Sheet 10 Volume 1, Sheet 9 Volume 1, Sheet 7













Volume 1, Sheet 10 Volume 1, Sheet 4 Volume 1, Sheet 5 Volume 1, Sheet 6

Volume 1, Sheet 7



# Appendix I Tax, Deed/Title, and Lien Information

**166 East 4th Street** 160 – 164 E 4th Street Dunkirk, NY 14048

Inquiry Number: 7363501.1S

June 16, 2023

## **EDR Environmental Lien and AUL Search 1980**



The EDR Environmental Lien and AUL Search 1980 report provides results from a search of available land title records for environmental cleanup liens and other activity and use limitations (AULs), such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address and/or parcel information to:

- search for parcel number and/or legal description
- search for ownership information filed between 1980 and the most current publicly available date
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.
- search for environmental encumbering instrument(s) filed between 1980 and the most current publicly available date
- provide a copy of any environmental encumbrance(s)
- provide a copy of the current deed when available

#### Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

Property Archives, LLC researched and compiled the land title information contained in this EDR Environmental Lien and AUL Search 1980 report on behalf of EDR.



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#### **TARGET PROPERTY INFORMATION**

#### **ADDRESS**

166 East 4th Street 160 – 164 E 4th Street Dunirk, New York 14048

#### **PROPERTY DESCRIPTION**

Parcel ID: 060300-79.57-2-15.1

Current Owner: Beta of Dunkirk LLC

Legal Description: Includes 14-2-2-11.1, 18-14-3-1 - 10.1 & 19.1-27 14-2-1

#### **FINDINGS SUMMARY**

The following is a summary of information contained in the report. Additional details may be found in the Findings Detail section.

Parcel:	060300-79	9.57-2-15.1
---------	-----------	-------------

Environmental Lien:	Found	Not Found
Other Activity and Use Limitations (AULs):	Found	Not Found

HISTORICAL CHAIN of TITLE FROM 1980			
RECORDED	INSTRUMENT	GRANTEE	GRANTOR
06/02/2005	200506020252	Beta of Dunkirk, LLC	Geoff Jenkins
06/02/2005	2005002964	Geoff Jenkins	The Penn Traffic Company
12/07/1993	199312070034	The Penn Traffic Company	Peter J. Schmitt Company Inc.
11/06/1991	1991014380	Peter J. Schmitt Company Inc.	Paul A Pellicano
12/12/1989	1989017292	Paul A Pellicano	Rita M. Lombardo
09/20/1988	1988013561	Rita M. Lombardo	County of Chautauqua

#### RESEARCH SOURCE(S)

The following research sources were reviewed from January 1, 1980, to June 1, 2023. Based on available information evaluated by the title search professional, the jurisdiction does not require a search of judicial records in order to identify environmental liens.

Source 1: Chautauqua County Recorder

Chautauqua County, New York

Source 2: Chautauqua County Assessor

Chautauqua County, New York

FINDINGS DETAIL		
Parcel: 060300-79.57-2-15.1		
ENVIRONMENTAL LIEN		
Environmental Lien:	Found	Not Found
OTHER ACTIVITY AND L	JSE LIMITATIONS (	AULs)
Other AULs:	Found	Not Found
HISTORICAL CHAIN OF	TITLE FROM 1980	
PARCEL 060300-79.57	-2-15.1	
DEED TYPE:		Bargain and Sale Deed
GRANTEE:		Beta of Dunkirk, LLC
GRANTOR:		Geoff Jenkins
DATE EXECUT	ED:	January 15, 2005
DATE RECORDED:		June 2, 2005
BOOK:		2573
PAGE:		846
INSTRUMENT	#:	200506020252
DEED TYPE:		Quit Claim Deed
GRANTEE:		Geoff Jenkins
GRANTOR:		The Penn Traffic Company
DATE EXECUT	ED:	May 27, 2004
DATE RECOR	DED:	June 2, 2005
INSTRUMENT	#:	2005002964
DEED TYPE:		Deed
GRANTEE:		The Penn Traffic Company
GRANTOR:		Peter J. Schmitt Company Inc.
DATE EXECUTED:		November 30, 1993
DATE RECORDED:		December 7, 1993
BOOK:		2303
PAGE :		122
INSTRUMENT	#:	199312070034
DEED TYPE:		Warranty Deed
GRANTEE:		Peter J. Schmitt Company, Inc.
GRANTOR:		Paul A Pellicano
DATE EXECUT	ED:	October 31, 1991
DATE RECOR		November 6, 1991
INSTRUMENT	#:	1991014380

DEED TYPE: Warranty Deed
GRANTEE: Paul A. Pellicano
GRANTOR: Rita M. Lombardo
DATE EXECUTED: November 2, 1989
DATE RECORDED: December 12, 1989

INSTRUMENT #: 1989017292

DEED TYPE: Quit Claim Deed
GRANTEE: Rita Lombardo

GRANTOR: County of Chautauqua

DATE EXECUTED: September 15, 1988

DATE RECORDED: September 20, 1988

INSTRUMENT #: 1988013561

<sup>\*</sup>Property acquired by County of Chautauqua prior to January 1, 1980.

**CURRENT DEED EXHIBIT** 

Chautauqua County Clerk

PO BOX 6300

ALBANY

BETA OF DUNKIRK LLC

CAPITOL SERVICES INC

NY 12206

 $\mathbf{T}$ 

Return To:

**JENKINS** 

GEOFFREY

Index DEED BOOK

Book 02573 Page 0846

No. Pages 0004

Instrument DEED-<500-COM

Date: 6/02/2005

Time: 3:48:08

Control # 200506020252

INST#

DE 2005 002965

TRTX#

TT 2005 004903

Employee ID SWEENEY

COUNTY	\$ \$	23.00
ST ED DEPT	\$	4.75
RP5217	\$	165.00
REALTY	\$	.00
	\$	.00
	\$	.00
CEA	\$	14.25
	\$	.00
Total:	\$	207.00

STATE OF NEW YORK Chautauqua County Clerk TRANSFER TAX

WARNING: THIS SHEET CONSTITUTES THE CLERK'S ENDORSEMENT, REQUIRED BY SECTION 316-a(5) & SECTION 319 OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH.

Transfer Tax \$

CONSIDERATN

.00

.00

Sandra K. Sopak County Clerk



(N)0 7/1/2005 11:18:36 AM 447680

#### CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT—THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY.

THIS INDENTURE, made the BETWEEN

15th

day of January, in the year 2005

GEOFF JENKINS, AN INDIVIDUAL

And

, who has an address at 369 West 51st Street, Apt 2C, New York, NY 10019

party of the first part, and

BETA OF DUNKIRK LLC

, with an address at, PO Box 629, New York, New York 10101

party of the second part,

WITNESSETH, that the party of the first part, in consideration of Ten Dollars and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the

See SCHEDULE "A" attached hereto

SAID premises being commonly known as, 166 East 4th Street, Dunkirk, New York 14048

BEING the same premises conveyed to grantors herein, by deed dated May 27, 2004 recorded in the

in Reel

page

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose. The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

Susan P. Hartma

Jenkins Geoffrey T

CHAUTAUQUA COUNTY TAX MAP

Postrol Da Seame Da See 14 84 2 had

, ss:

#### ACKNOWLEDGEMENT TAKEN IN NEW YORK STATE

State of New York, County of Melouss:

On the 15 day of January in the year 2005, before me, the undersigned, personally appeared

GEOFF JENKINS , personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public, State of New York
No. 01BE6098205
Qualified in Kings County
Commission Expires Sep. 08, 2007

MUNUL CO PSUSCINE

MONING BEBENS

Out of Sep. 18 (1988)

MONING BEBENS

Out of Sep. 18 (1988)

MONING BEBENS

Out of Sep. 18 (1988)

Out of Sep. 18 (1988)

# ACKNOWLEDGEMENT BY SUBSCRIBING WITNESS TAKEN IN NEW YORK STATE

State of New York, County of , ss:
On the day of in the year ,
before me, the undersigned, a Notary Public in and for said State,
personally appeared

subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he/she/they reside(s) in

(if the place of residence is in a city, include the street and street number if any, thereof); that he/she/they know(s)

to be the individual described in and who executed the foregoing instrument; that said subscribing witness was present and saw said

execute the same; and that said witness at the same time subscribed his/her/their name(s) as a witness thereto

#### ACKNOWLEDGEMENT TAKEN IN NEW YORK STATE

State of New York, County of

On the day of in the year before me, the undersigned, personally appeared

, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to the that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

## ACKNOWLEDGEMENT TAKEN OUTSIDE NEW YORK STATE

State of	, County of

\*(Or insert District of Columbia, Territory, Possession or Foreign County)

On the day of in the year , before me the undersigned personally appeared

Personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), that by his/her/their signature(s) on the instrument, the individual(s) or the person upon behalf of which the individual(s) acted, executed the instrument, and that such individual make such appearance before the undersigned in the

(add the city or political subdivision and the state or country or other place the acknowledgement was taken).

# Bargain and Sale Deed with covenant against Grantors Acts

Geoff Jenkins

section 15

BLOCK S

LOT A

COUNTY OR TOWN-Chatelaugua 166 East Hth Street Dunkirk, N.Y

то

Beta of Dunkirk LLC.

**RETURN BY MAIL TO:** 

Return acknowledgment to:

Capitol Services, Inc.

P.O. Box 6300 Albany, NY 12206

800/662-0171 230978FA

Recorded at the request of

First American Title Insurance

Company of New York

633 Third Avenue, NYC 10017

633 Third Avenue, NYC 10017 (212)-922-9700 (800)-437-1234 Title Number\_\_\_\_\_



## First American Title Insurance Company of New York

905-CH-241607 Title No.: FATICO #: 62582

#### SCHEDULE A

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of Dunkirk County of Chautauqua, State of New York, being part of Blocks Nos. 568 and 569 of the Doughty Map of said City, bounded and described as follows:

BEGINNING at the point of intersection of the easterly line of Park Avenue with the southerly line of East Third Street; thence easterly along said southerly line of East Third Street 360 feet to the point of intersection of said southerly line of East Third Street with the former west line of Deer Street; thence southerly along said former west line of Deer Street a distance of 160.5 feet to the point of intersection of said former west line of Deer Street with a north face of a concrete block building; thence easterly at a deflection angle of 89° 56' to the left a distance of 0.9 feet to the centerline of a party wall; thence southerly a distance of 100 feet and along said centerline of party wall to the intersection of the centerline of said party wall with the south face of said concrete block building; thence southerly at a deflection angle of 1° 48' to the right a distance of 24.5 feet to a point in said former west line of Deer Street; thence continuing southerly at a deflection angle of 1° 52' to the left and along said former west line of Deer Street a distance of 141 feet to a point; thence westerly and parallel to said southerly line of East Third Street 180 feet to the former centerline of Columbus Street; thence southerly along the former centerline 10 feet to a point; thence westerly and parallel to said southerly line of East Third Street a distance of 45 feet to a point; thence northerly and parallel to Park Avenue a distance of 300 feet to a point; thence westerly and parallel to said southerly line of East Third Street a distance of 135 feet to a point in the east line of Park Avenue; thence northerly along said east line of Park Avenue a distance of 236 feet to the point or place of beginning.

Dnk Assessor

166 East 4th Street

166 East 4th Street Dunkirk, NY 14048

Inquiry Number: 7352994.6

June 01, 2023

# The EDR Property Tax Map Report



#### **EDR Property Tax Map Report**

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

## **NO COVERAGE**

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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Appendix J
Street Directory

166 East 4th Street

166 East 4th Street Dunkirk, NY 14048

Inquiry Number: 7359476.7

June 08, 2023

# **The EDR-City Directory Image Report**



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**Findings** 

**City Directory Images** 

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# **DESCRIPTION**

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

### **RECORD SOURCES**

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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### **RESEARCH SUMMARY**

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2020			EDR Digital Archive
2017	$\overline{\checkmark}$		Cole Information
2014	$\overline{\checkmark}$		Cole Information
2010	$\overline{\checkmark}$		Cole Information
2005	$\overline{\checkmark}$		Cole Information
2000	$\overline{\checkmark}$		Cole Information
1995	$\overline{\checkmark}$		Cole Information
1992	$\overline{\checkmark}$		Cole Information
1968	$\overline{\checkmark}$		Polk's City Directory
1964			Polk's City Directory

# **FINDINGS**

# TARGET PROPERTY STREET

166 East 4th Street Dunkirk, NY 14048

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
E 4TH ST		
2020	pg A1	EDR Digital Archive
2017	pg A2	Cole Information
2014	pg A3	Cole Information
2010	pg A4	Cole Information
2005	pg A5	Cole Information
2000	pg A6	Cole Information
1995	pg A7	Cole Information
1992	pg A8	Cole Information
1968	pg A10	Polk's City Directory
1968	pg A9	Polk's City Directory
1964	pg A11	Polk's City Directory
1964	pg A12	Polk's City Directory

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# **FINDINGS**

# **CROSS STREETS**

No Cross Streets Identified

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**Cross Street** 

**Target Street** <u>Source</u> **EDR** Digital Archive

31	LAKE SHORE BANCORP INC LAKE SHORE MHC
51	KEY BANK
55	BRUNENAVS DANIEL OD
65	BUTRYN INC
	ELSA RODRIGUEZ
73	CHADWICK BAY VISION CARE
77	PUTNAM RECORD AGENCY
	W L PUTNAM INSURANCE
85	CARL WILLIAMS
	CARLEWILLIAMS DDS
	HERBS FOR LIFE
90	DUNKIRK CITY SCHOOL DISTRICT
	PATTYSON JENNIFER L
91	CREATIONS HAIR SALON
	INNER BALANCE DAY SPA
	JOHNSON HILL
93	FOLEY FOLEY & PASSAFARO
	LAW FIRM OF DANIEL C GARD
97	UNITED STEELWORKERS
108	H&R BLOCK
112	JENNA'S 4TH STREET CAFE
114	BODY MIND & SPIRIT HEALTH
125	LAKE BOOK MFG INC
128	ATM
	LAKE SHORE SAVINGS BANK
159	JIM'S DRY CLEANERS INC
	LAGANA'S BARBER SHOP
404	MAIN WINES & SPIRITS
164	DOLLAR GENERAL
400	WESTERN UNION AGENT LOCATION
166	ATM
	DIRECTV
	DUNKIRK VA CMNTY BASED SAVE-A-LOT FOOD STORES
	SPECTRUM
168	FAMILY DOLLAR STORE
174	CRICKET WIRELESS AUTH RETAILER
174	ATM
113	CVS/PHARMACY
	UPS ACCESS POINT LOCATION
176	HOLY WONG CHINESE TAKEOUT
178	RENT-A-CENTER

55	CHADWICK BAY VISION CARE
61	BOORADY EYE GROUP
•	CHADWICK BAY VISION CARE
65	BUTRYN & APOSS INC
69	
	EXECUTIVE CUTZ
77	ALLSTATE
85	CARL E WILLIAMS DDS
86	BRYON REXFORD PHOTOGRAPHY
	GEORGE FENDINGER DR
	TREASURED ARTS
91	CREATIONS HAIR SALON
	INNER BALANCE DAY SPA
93	ALBERT W FOLEY ATTORNEY
	BECERRA DEBORA
	DEBORA K BECERRA ATTORNEY AT LAW
	FOLEY FOLEY & PASSAFARO
	JASON L SCHMIDT ESQ
	JEFFREY G PASSAFARO ATTY
97	UNITED STEELWORKERS USW
108	CATTOOS
100	H&R BLOCK
110	A BED OF ROSES
110	
	GAMMON, JENNA
	JENNAS FOURTH STREET CAFE
114	BODY MIND & SPIRIT HEALTH
128	LAKE SHORE SAVINGS
159	ELIAS & ASSOCIATES INC
	JIMS DRY CLEANERS INC
	LAGANAS BARBER SHOP
	UNIVERSAL UNIFORM CLOTHIER & TEXTILE
166	DIRECT SAT TV
	MAIN WINES & SPIRITS
	SAVEALOT
	TIME WARNER CABLE
	VA CLINIC
	VACBOC DUNKIRK
	VALOR HEALTHCARE
168	FAMILY DOLLAR
172	CRICKET
174	CRICKET
174	CRICKET AUTHORIZED AGENT
	GAMESTOP
	MAIN WINES & SPIRITS
4	WALMART
175	CVS PHARMACY
	REDBOX
176	HOLY WONG CHINESE TAKEOUT
178	RENTACENTER

EE	CHADWICK BAY VISION CARE
55 C4	CHADWICK BAY VISION CARE
61	BOORADY EYE GROUP
CE	KOZLOWSKI MICHELLE BUTRYN & APOSS INC
65 77	
77 05	PUTNAM RECORD INSURANCE AGENCY
85 00	KELLY SERVICES
86	FENDINGER GEORGE DR
89	DRAG WALTER F
91	CREATIONS HAIR SALON
00	INNER BALANCE DAY SPA
93	BECERRA DEBORA ATTY AT LAW FOLEY ALBERT W ATTY
	FOLEY ALBERT WATTY FOLEY FOLEY & PASSAFARO ATTYS
	PASSAFARO JEFFREY G ATTY SCHMIDT JASON L ESQ
07	UNITED STEELWORKERS OF AMERICA AFL C
97 108	CATTOOS
108	H&R BLOCK
	OCCUPANT UNKNOWN,
110	A BED OF ROSES
110	JENNAS FOURTH STREET CAFE
114	BODY MIND & SPIRIT HEALTH
128	LAKE SHORE SAVINGS MAIN OFFICE
120 159	ELIAS & ASSOCIATES INC
159	JIMS DRY CLEANERS
	UNIVERSAL UNIFORM CLOTHIER & TEXTILE
166	DIRECT SAT TV
100	MAIN WINES & SPIRITS
	OCCUPANT UNKNOWN,
	SAVEALOT
	TIME WARNER CABLE
	VACBOC DUNKIRK
	VALOR HEALTHCARE
160	
168 175	FAMILY DOLLAR
	CVS PHARMACY HOLY WONG CHINESE TAKEOUT
176 170	
178	RENTACENTER

E4	WEW DANK
51	KEY BANK
61	CHADWICK BAY VISION CARE
	US NAVY DEPT
65	BUTRYNS & APOS S INC
90	CHAUTAUQUA COUNTY EVEN START
91	CREATIONS HAIR SALON
93	JASON L SCHMIDT ESQ
97	UNITED STEELWORKERS
108	BLOCK, R
	CATTOOS
	H&R BLOCK
110	A BED OF ROSES
114	BODY MIND & SPIRIT HEALTH
159	ELIAS & ASSOC INC
	JIMS DRY CLEANERS INC
	LAGANAS BARBER SHOP
	OCCUPANT UNKNOWN,
	UNIVERSAL UNIFORM CLOTHIER INC
164	DOLLAR GENERAL
166	SEWNATH, FRANCOIS
	V A DUNKIRK CLINIC
168	FAMILY DOLLAR STORE
174	HOLY WONG CHINESE TAKE OUT
	MAIN WINES & SPIRITS
175	CVS PHARMACY
178	RENTACENTER

12	WENDY J STRAIGHT WOODBURY
28	OCCUPANT UNKNOWN,
51	BONGIOVANNI ANTHONY F PHD
55	CHADWICK BAY VISION CARE
	KOZLOWSKI, MICHELLE A
65	CHADWCIK BAY VISION CENTER
	OCCUPANT UNKNOWN,
69	OCCUPANT UNKNOWN,
	WILLCARE INC
77	WL PUTNAM INSURANCE AGENCY INC
85	WILLIAMS CARL E DDS
	WILLIAMS, CARL E
87	ROBERT C WOODBURY
	WOODBURY, ROBERT C
89	DRAG, WALTER F
	WALTER F DRAG ATTORNEY AT LAW
90	2 CHAUTAUQUA CATTARAUGUS BOCES
	CHAUTAUQUA COUNTY EVEN START
	DUNKIRK CITY SCHOOL DISTRICT
	OCCUPANT UNKNOWN,
91	AMERICAN EXPRESS FINANCIAL ADVISORS
	CREATIONS HAIR SALON
97	OCCUPANT UNKNOWN,
108	BLOCK, R
	DUNKIRK HRB INC
	H & R BLOCK
	U S NEWS
114	JAMESTOWN MATTRESS OUTLET
159	ELIAS & ASSOCIATES INC
	JIMS DRY CLEANERS INC
	OCCUPANT UNKNOWN,
	UNIVERSAL UNIFORM CLOTHIER & TEXTILE
164	DOLLAR GENERAL
166	OCCUPANT UNKNOWN,
	QUALITY MARKETS
168	FAMILY DOLLAR STORES
174	DAVID P WARREN
	HOLY WONG CHINESE RESTAURANT
	HOLY WONG EXPRESS RESTAURANT
	MAIN WINES & SPIRITS
	OCCUPANT UNKNOWN,
	QUALITY PLUS MARKET
175	CVS
170	CVS PHARMACY # 309
176	OCCUPANT UNKNOWN,
178	RENTWAY
170	

31	WESTERN DIVISION CREDIT UNION
51 51	KEY BANK
69	HEYMAN LABORATORIES INCORPORATED
69	
77	WILLCARE INCORPORATED
77 25	PUTNAM W L INS AGENCY
85	WILLIAMS CARL E DDS
86	FENDINGER GEORGE DR
	FRAWLEY THOMAS K DDS
	MOORE FREDERICK T DMD
	SYREK MOORE & FRAWLEY DDS PC
87	WOODBURY ROBERT C ATTORNEY
89	DRAG, WALTER F
90	DUNKIRK CITY SCHOOL DISTRICT
91	AMERICAN EXPRESS FINANCIAL ADVISORS
	CREATIONS HAIR SALON
93	FOLEY FOLEY & PASSAFARO ATT
	PASSAFARO JEFFREY G ATTORNEY
97	GLENN DAVID G AGENCY INCORPORATED CMPLT INS SERVICE & PROTEC
108	H & R BLOCK
	J S NEWS
112	DAILY GRIND THE
114	JAMESTOWN MATTRESS OUTLET
121	HANNUM CHARLES J ATTORNEY
128	LAKE SHORE SAVINGS & LOAN A
159	JIMS DRY CLEANERS INCORPORATED
	UNIVERSAL UNIFORM CLOTHIER & TEXTILES INCORPORATED
166	CVS PHARMACY
	QUALITY MARKETS
178	RAINBOW RENTAL
	RENTWAY

31	NIAGARA MOHAWK POWER CORP-ANGOLA AREA CUSTOMERS-INCLUDING AT
F.4	NIAGARA MOHAWK POWER CORPORATION-EMERGENCY TROUBLE CALLS CUS
51	KEY BANK OF NEW YORK
61	US GOVT DEPT OF THE ARMY-ARMY RECRUITING STASS
	US GOVT MARINE CORPS-RECRUITING CONTRACT STT US NAVY DEPT
64	CHAUTAUQUA COUNTY-ALCOHOL & SUBSTANCE ABUSE CLINICC
65	WNY CHILDREN'S PSYCHIATRIC CENTER
69	HEYMAN LABORATORIES INC
03	WILLCARE INC
77	PUTNAM W L INSURANCE AGENCY
85	WILLIAMS, CARL E, DDS
86	FENDINGER, GEORGE
00	MOORE, FREDERICK T, DMD
	SYREK & MOORE DDS PC
	SYREK, DAVID W DDS PC
87	WOODBURY, ROBERT C, ATTY
90	DUNKIRK PUBLIC SCHOOLS CITY OF-ADMINISTRATIVE OFCS-ADULT LEA
91	CREATIONS HAIR SALON
	DRAG WALTER F
	IDS AMERICAN EXPRESS
93	FOLEY FOLEY & PASSAFARO, ATTYS
	FOLEY, ALBERT W, ATTY
	PASSAFARO, JEFFREY G, ATTY
97	CENTURY 21 THE REALTY GROUP
108	BLOCK H & R
	H & R BLOCK
	U S NEWS STORE OF DUNKIRK
110	STRAY KATZ
112	MC CLENATHAN OFFICE SUPPLY
114	AMERICAN RED CROSS CHAUTAUQUA COUNTY CHAPTER
121	HANNUM, CHARLES J, ATTY
125	LAKE SHORE SAVINGS & LOAN ASSN-MORTGAGE LOAN OFC
128	LAKE SHORE SAVINGS & LOAN ASSN-MAIN OFC
159	ELIAS & ASSOCIATES INC JIM'S DRY CLEANERS INC
	SUZANNE'S BRIDAL SHOPPE
	UNIVERSAL UNIFORM CLOTHIER & TEXTILES INC
166	HOLY WONG CHINESE TAKE OUT RESTAURANT
100	MAIN WINES & SPIRITS
	QUALITY MARKETS
168	FAMILY DOLLAR STORES
178	RAINBOW RENTAL
	RENT-WAY

28	HEINEMANN, A & M		
31	NIAGARA MOHAWK POWER CORPORATION-EMERGENCY TROUBLE CALLS CUS		
51	KEY BANK N Y, DUNKIRK BRANCH		
61	US GOVT DEPT OF THE ARMY-ARMY RECRUITING STAS		
	US GOVT DEPT OF THE NAVY-RECRUITING STAS		
	US GOVT MARINE CORPS-RECRUITING CONTRACT ST		
64	CHAUTAUQUA COUNTY-ALCOHOL & SUBSTANCE ABUSE CLINIC		
65	WNY CHILDREN'S PSYCHIATRIC CENTER		
69	WILLCARE INC		
77	PUTNAM W L INSURANCE AGENCY		
85	MC MACHANS' WALLPAPER & PAINT INC		
86	FENDINGER, GEORGE		
	SYREK, DAVID W DDS PC		
87	WOODBURY, ROBERT C, ATTY		
89	DRAG, WALTER F, ATTY		
90	DUNKIRK PUBLIC SCHOOLS CITY OF ADULT LEARNING CENTER		
93	FOLEY FOLEY & PASSAFARO, ATTYS		
	FOLEY, ALBERT W, ATTY		
	PASSAFARO, JEFFREY G, ATTY		
95	PRUDENTIAL INSURANCE COMPANY OF AMERICA THE		
97	D & F REAL ESTATE		
108	BLOCK H & R		
	H & R BLOCK		
	SACK'S 4TH AVE		
	U S NEWS STORE OF DUNKIRK		
110	BOTTOMS UP		
114	AMERICAN RED CROSS CHAUTAUQUA COUNTY CHAPTER		
121	HANNUM, CHARLES J, ATTY		
125	POLOWY, DANIEL R, ATTY		
	SNYDER, CLARENCE H, ATTY		
	TOWNE RUBENSTEIN SNYDER & POLOWY, OFC		
128	LAKE SHORE SAVINGS & LOAN ASSN		
159	ELIA UNIFORM RENTAL SVCE		
	ELIAS & ASSOCIATES INC		
	JIM'S DRY CLEANERS INC		
	SUZANNE'S BRIDAL SHOPPE		
166	HOLY WONG CHINESE TAKE OUT RESTAURANT		
168	FAMILY DOLLAR STORES		

# E 4TH ST 1968

3D ST W (D)--CONTD 70 SMITH SARAH MRS 53 GOTOWKA RICHD S . SPENCER MARGT L MRS 366-6531 366-5653 57 HARRIS JENNIE T MRS . 72 VACANT 366-1772 73 LEON'S BEAUTY SALON 59 MC QUIGGAN EVELYN H MRS 366-6030 --- DOVE INTERSECTS LEONE LENA S MRS 65 WALAWENDER WM J . DIETZEN HELEN L 366-6337 366-4518 69 PETZ CLARENCE F . 77 FOSS JOHN F PHYS --- PLOVER INTERSECTS 366-2700 71 SERRATORE BRUND S . 78 ROAN BERT ROOFING & 366-0954 SIDING 366-4133 79 FIJAL EDW S . 366-0829 MC NEIGHT GERTRUDE A --- ROBIN INTERSECTS 366-4993 80 MIMI'S FABRIC CENTER RET 366-6630 85 MC MACHAN'S INC 4TH ST E (DUNKIRK)-FROM WALLPAPER & PAINT DLR 400 CENTRAL AV EAST 366-1234 86 CEASE CENTRAL INC ---ZIP CODE 14048 RESEARCH & DEVELOPMENT ---LYNX INTERSECTS 366-4922 24 RUDOLPH HAZEL M 89 HANNUM CHARLES J LWYR 28 HEINEMANN ALF D PHYS 366-2212 366-1606 90 NIAGARA MOHAWK POWER CORP BUSINESS OFC --- WASHINGTON AV 366-5000 INTERSECTS 91 DUNKIRK SAVINGS & LOAN 53 SERVICE HARDWARE CO BUILDING 366-5666 DUNKIRK SAVINGS & LOAN 57 LESTER BUILDING ASSN 366-2922 ROSING'S DEPT STORE RCOMS 366-3700 2 VACANT ROOMS 4 VACANT 4 COUNTY FAMILY COURT 5 VACANT 366-2900 6 VACANT 5 AMERICAN CANCER --- PARK AV INTERSECTS SOCIETY 366-6434 93 RAPP CLARA B MRS CONFR 8 TUBERCULOSIS & • 366-1414 RESPIRATORY DISEASE 99 ODDO'S BARBER SHOP ASSN OF W N Y BARBER 366-1500 102 KLINEFELTER DONALD F 14-16 WOODIN & WOODIN 366-3371 LWYR 366-1360 103 ANNALETT EMIL M . 19 COUNTY FAMILTY 366-3982 COURT PROBATION 107 MIKE'S AMOCO SERVICE SERV 366-2901 366-3223 64 SAINT MARY'S HALL 108 DUNKIRK PUBLIC SCHOOLS 67 FANDT FANNIE E MRS PRACTICAL NURSE 366-1561 PROGRAM 366-1533 HOREY HERBERT J 112 DUNKIRK FREDONIA TILE 366-6075 & MARBLE CO 366-4230 114 DUNKIRK CHAMBER OF 68 GREYHOUND BUS TERMINAL COMMERCE 366-6200 366-0930 DUNKIRK CHAMBER OF ANN'S NEWS STAND COMMERCE (RETAIL DIV) 366-0930 --- COLUMBUS INTERSECTS EASTERN GREYHOUND LINES 119 SELL ALBIN C 366-6895 OF NEW YORK 366-0930 120 SNYDER MARY MRS D & F TRANSIT 366-0930

Polk's City Directory

	L 411101	1900				
3	Plumbing — Heating					
5	215 CENTRAL AVE. 14048	TEL. 366-5777				
-						
	8					
:	4TH ST E (D)CONTD	159 ROBINSON ARTH				
	121 WROBLEWSKI MATTHEW R	PODIATRIST 366-1170				
=	CHIROPRACTOR •	JIM'S DRY CLEANERS INC				
	366-2308	366-6151				
SHORE	122 BOORADY OPTICAL CO	COUNTY DISTRICT ATTORNEY'S OFC				
	366-4383	366-2722				
	124 MONTGOMERY WARD & CD MAIL ORDER 366-7602	STEDMAN SECURITY CORP				
Lake	126 LAKE SHORE SAVINGS &	366-7255				
3	LOAN ASSN BUILDING	SULLIVAN ROBT J LWYR				
	TOWNE RUBENSTEIN &	366-2722				
2	SNYDER LWYRS 366-7500	LEOPARD INTERSECTS				
	PRUDENTIAL INSURANCE	165 CITY FIRE DEPT ENGINE				
	CO OF AMERICA	CO NO 1 166 NYPENN MOTOR REPAIRS				
	366-2899	INC 366-5600				
Dunkirk	128 LAKE SHORE SAVINGS & LOAN ASSOCIATION	172 MICHAEL'S SHOES				
	366-4070	366-7081				
5	130 FITZER RICHD L AGENCY	173 RICHARDS LUCILLE MRS				
	INC GENL INS	MAIN APPLIANCE CO STGE				
E	366-4466	174 DEE'S BRIDAL SHOP				
	131 GULF CIVIC SERVICENTER	366-6995				
חבי	GAS STA 366-1230	MAIN ST INTERSECTS				
8	132 CASALE BUILDING					
Suore	CASALE & CO INC PLMBS	14				
0	366-1700 134 KUZDALE EDWIN J LWYR	4TH ST W (DUNKIRK)-FROM				
8	366-6966	353 CENTRAL AV WEST				
Lake	136 ADJUSTMENT SERVICE	The state of the s				
	BUREAU 366-2999	4 VACANT				
2	CREDIT BUREAU OF	LARK INTERSECTS				
	CHAUT AUQUA COUNTY INC	14 CHURCH OF SAINT JOHN THE BAPTIST 366-1904				
	366-4100	16 SAINT JOHN'S RECTORY				
9	CREDIT BUREAU OF DUNKIRK FREDONIA	19 FIRST UNITED				
	366-4100	PRESBYTERIAN CHURCH				
366-366	FENDINGER GED S	366-2421				
3	DENTIST 366-4999	EAGLE INTERSECTS				
•	DEER INTERSECTS	23 PALMER ROBERT				
Tels. 366-3666	141 PUTNAM W L AGENCY INC	CRAYTON GAROLD F				
36	INS 366-2744	366-4912				
9	142 SALVATION ARMY THE 366-3950	24 KULIG JOSEPH W • 366-4092				
3	SALVATION ARMY CITADEL	28 KRAUZA CASIMER C				
š	THE 366-3950	366-2991				
•	148 FUSCO JEWELRY SHOP	29 LYON HARRY B .				
	JWLR 366-3722	PARLATO ARCHIE V				
	148% CHAUTAUQUA COUNTY	DENTIST 366-1460				
	VETERANS SERV AGCY 366-1350	PELICAN ENDS 31 FLORENCE JESSIE H •				
	149 MALONEY GERTRUDE A MRS	366-1930				
	• 366-2285	32 ANDERSON MAY MRS				
50	150 ERIE & LACKAWANNA R R	366-3841				
1	(FRT DFC) 366-2313	WENDELL JOHN M PHYS				
	POGORZELSKI HARRY A	366-3911				
	DENTIST 366-6822	LONG BARBARA MRS				
	151 RUSSELL'S BARBER SHOP 152 KNOWLTON'S PHOTOGS	VAN ESKEY THEO F				
	366-1470	366-0932 PEEK FREDK S 366-4002				
	154 WOODBURY W JACK CIVIL	33 KLOCKO DOROTHY MRS .				
	ENG 366-3522	366-2809				

# E 4TH ST 1964

5296

47 Woods John @ 366-3760

49 Russo Anthony P ⊚ 366-6742 Anthony's Barber Shop

Canary begins

53 Gotowka Richd S @ 366-6531

57 Harris Jennie T Mrs ⊚ 366-1772

59 McQueggan Evelyn H Mrs

**Dove intersects** 

65 Walawender Wm J © 366-6337

69 Petz Clarence F 💿

Flower intersects

71 Serratore Bruno S © 366-0954

79 Fijal Edw S @ 366-0829

Robin intersects

9

4TH EAST — From 400 Central av east to Main

Lynx intersects

24 Rudolph Hazel

28 Heinemann Alf D © phys 366-1606

Washington av intersects

53-55 Service Hdw Co 366-5666

57-65 Lester Building

Rooms:

4 Chautauqua County Family Court 366-2900

Chautauqua County Family Court Probation Serv 366-2901

5-6 Am Cancer Society 366-6434

7-10 Chautauqua County Heart Committee 366-1500

#### E 4TH ST 1964

Jamestown, N. Y.

504 Wellman Bldg.

Tels. 3-1071 or 4-7185

### R. L. POLK & CO.'S, INC.

4th East-Contd Chautauqua County Tuber-culosis and Public Health Assn Inc 366-1500

11 Storage 14-16 Woodin & Woodin lwyrs 366-1360

18 Vacant

19 Vacant Street continued

59-63 Rosing's dept store 366-3700

Washington av intersects

64 StMary's Hall

67 Horey Herbert J 366-6075 Fandt Elmer W 366-1561

68 Greyhound Bus Terminal 366-0930

Eastern Greyhound Lines of NY 366-0930

Ann's News Stand 366-0930 70 Smith Sarah Mrs 366-3343 Jaume Francisco

72 St Mary's Catholic Youth Organization 366-9813

73 Leon's Beauty Salon @ 366-6030

Leone Lena S Mrs Dietzen Helen 366-4518 74 Butler Don D 366-4958

77 Foss John F phys 366-2700 78 Chautauqua County Automo-bile Club Inc 366-4850 366-4851

80 Levy's men's clo 366-1370 85 McMachans Inc wallpaper and paints dlr 366-1234

86 Privateer Salvatore 90 Niagara-Mohawk Power Corp business ofc 366-5000

91 Dunkirk Savings & Loan Building

Dunkirk Savings & Loan Assn 366-2922

Rooms:

1-2 Hallenbeck John H lwyr 366-2212

3-4 Parlato Archie V dentist 366-1460

5-6 Gutelius Benj S phys 366-2533

Park av intersects

93 Rapp Clara B Mrs @ contr 366-1414

102 Klinefelter Donald 366-3371 103 Annalett Martha Mrs @ 366-3982

107 Mike's Amoco Service @ 366-3223

108 Vacant

112 Dairy Bar The @ 366-9799

114 Dunkirk Chamber of Commerce 366-6200 Dunkirk Jr Chamber of Commerce 366-6200 Merchants Div Dunkirk Chamber of Commerce 366-6200

119 Sell Albin C 366-6895 Columbus intersects

120 Dloniak Eug A

121 Wroblewski Matthew R chiropractor 366-2308

122 Boorady Optical Co @ 366-4383

124 Montgomery Ward & Co mail order house 366-7600

126 Lake Shore Savings & Loan Assn Building Towne & Rubenstein lwyrs 366-7500

Prudential Ins Co of Am 366-

2899

128 Lake Shore Savings & Loan Assn 366-4070

130 Equitable Life Assurance Society of the US 366-5070 Fitzer Richd L Agency Inc The ins 366-4466 and 366-4467

131 Gulf Civic Service Center 366-2442

132-36 Casale & Co Inc plmbs and htg sups 366-1700

Fendinger Geo S dentist 366-4999

Credit Bur of Chautauqua County Inc

Adjustment Service Bureau 366-2999

Deer intersects

141 Putnam W L Agency Inc ins 366-2744 and 366-2745 Glatz Florence I

142 Salvation Army The 366-3950 Salvation Army Citadel The 366-3950

147 Vacant

147 Vacant 148 Fusco Jewelry Shop 366-3722

148½ Chautauqua County Vets Service Agency 366-1350

149 Maloney Gertrude A Mrs © 366-2285

150 Chautauqua County Public Health Nurse 366-6363 Pogorzelski Harry A dentist 366-6822

151 Russell's Barber Shop 152 Knowlton's photogs © 366-

1470

154 Lumber Store The bldg sups 366-3544 Woodbury W Jack civ eng 366-3544

155-57 Robinson Arth podiatrist 366-1170

159 Sullivan and Snyder attys 366. 2722

159 Jim's Dry Cleaners Inc 366-6151

Leopard intersects

165-71 City Fire Department Engine Co No 1

166 Nypenn Motor Repairs Inc 366-5600

172 Michael's Shoes 366-7081

173 Main Appliance Co (stge) 174 Dee's Bridal Shop 366-6995

175 Main Appliance Co stge

# Appendix K Site Visit Photo Log



1. View from VA Clinic front, looking south



2. View from Family Dollar front, looking west



3. View from Family Dollar front, looking south



4. Dumpsters outside Family dollar, looking north

Page 1 of 6



5. View of north of the property from northeast corner, looking south



6. View of north of the property from northeast corner, looking west



7. View of north of the property from northwest corner, looking southeast  $\,$ 



8. 65 View of south of the property from southwest corner, looking north

Page 2 of 6



9. View of south of the property from southwest collooking east



10. Padmount transformer in southeast corner, looking east



11. View of south of the property from southeast corner, looking north

Page 3 of 6



12. View of south of the property from southeast corner, looking west



13. Former VA clinic indoor.



14. Former VA clinic indoor.



15. Former VA clinic indoor, office space



16. Former VA clinic indoor, office space

Page 4 of 6



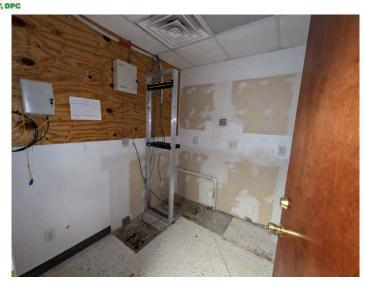
17. Former VA clinic indoor, office space



18. Former VA clinic indoor, electrical



19. Former VA clinic indoor, electrical

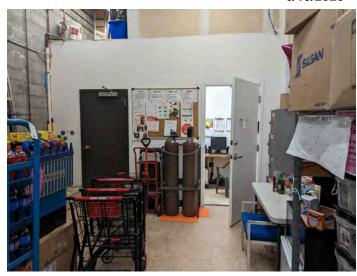


20. Former VA clinic indoor, electrical

Page 5 of 6



21. Former VA clinic indoor, larger office space



22. Family Dollar, rear storage room



23. Family Dollar, rear storage room



24. Family Dollar, rear storage room electrical

Page 6 of 6

# Appendix L Vapor Encroachment Screen

166 East 4th Street 166 East 4th Street Dunkirk, NY 14048

Inquiry Number: 7359476.3s

June 12, 2023

# **EDR Vapor Encroachment Screen**

**Prepared using EDR's Vapor Encroachment Worksheet** 



### **TABLE OF CONTENTS**

SECTION	PAGE
Executive Summary	ES1
Primary Map	2
Secondary Map	3
Map Findings	4
Record Sources and Currency	GR-1

# **Thank you for your business.** Please contact EDR at 1-800-352-0050 with any questions or comments.

### **Disclaimer - Copyright and Trademark Notice**

The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

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A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Lists of Federal NPL (Superfund) sites	1.0	0	0	0
Lists of Federal Delisted NPL sites	1.0	0	0	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders	0.5	0	0	0
Lists of Federal CERCLA sites with NFRAP	0.5	0	0	0
Lists of Federal RCRA facilities undergoing Corrective Action	1.0	0	0	0
Lists of Federal RCRA TSD facilities	0.5	0	0	0
Lists of Federal RCRA generators	0.25	1	1	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	property	0	-	-
Lists of state- and tribal (Superfund) equivalent sites	1.0	0	0	0
Lists of state- and tribal hazardous waste facilities	1.0	0	0	0
Lists of state and tribal landfills and solid waste disposal facilities	0.5	0	0	0
Lists of state and tribal leaking storage tanks	0.5	0	0	1
Lists of state and tribal registered storage tanks	0.5	0	0	0
State and tribal institutional control / engineering control registries	0.5	0	0	0
Lists of state and tribal voluntary cleanup sites	0.5	0	0	0
Lists of state and tribal brownfield sites	0.5	0	0	0

# ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	0.25	0	0	0
Records of Emergency Release Reports	0.125	0	0	0
Other Ascertainable Records	1.0	2	1	0
	I			

# **EDR HIGH RISK HISTORICAL RECORDS**

EDR Exclusive Records	1.0	0	5	1	
Exclusive Recovered Govt. Archives	property	0	-	-	

# **EDR RECOVERED GOVERNMENT ARCHIVES**

EDR Exclusive Records	1.0	0	5	1
Exclusive Recovered Govt. Archives	property	0	-	-

<sup>\*</sup>The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

### TARGET PROPERTY INFORMATION

### **ADDRESS**

166 EAST 4TH STREET 166 EAST 4TH STREET DUNKIRK, NY 14048

### **COORDINATES**

Latitude (North): 42.484738 - 42° 29′ 5.0546265″ Longitude (West): 79.330558 - 79° 19′ 50.011597″ Elevation: 599 ft. above sea level

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

Site Database(s)

**DOLLAR GENERAL STORE #8379 MANIFEST** 

164-180 E 4TH ST DUNKIRK, NY 14048

**DOLLAR GENERAL STORE #8379 ECHO** 

164-180 E 4TH ST

DUNKIRK, NY 14048

Registry ID: 110056505394

EPA ID: NYR000206292

**FINDS** 

Registry ID:: 110056505394

RCRA-VSQG

EPA ID:: NYR000206292

### **SEARCH RESULTS**

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
DOLLAR GENERAL STORE #8379 ECHO: ECHO FINDS: FINDS RCRA-VSQG: RCRA-VSQG	164-180 E 4TH ST	Property	▲ A2	11
JIMS DRY CLEANERS ICIS: ICIS RCRA-VSQG: RCRA-VSQG US AIRS: US AIRS (AFS) DRYCLEANERS: DRYCLEANERS MANIFEST: NY MANIFEST	159 E 4TH ST	<1/10 SE	▲ C7	16
DUNKIRK GAS STATION LTANKS: LTANKS ADDITIONAL ENVIRONMENTAL RECORDS	45 E. 5TH STREET	1/10 - 1/3 S	▲ 10	35
Name	Address	Dist/Dir	Map ID	Page
DOLLAR GENERAL STORE #8379 MANIFEST: NY MANIFEST	164-180 E 4TH ST	Property	▲ A1	9
DOLLAR GENERAL STORE #8379	164-180 E 4TH ST	Property	▲ A2	11

ECHO: ECHO FINDS: FINDS

RCRA-VSQG: RCRA-VSQG

# JIMS DRY CLEANERS

ICIS: ICIS RCRA-VSQG: RCRA-VSQG US AIRS: US AIRS (AFS) DRYCLEANERS: DRYCLEANERS MANIFEST: NY MANIFEST

### **EDR HIGH RISK HISTORICAL RECORDS**

Name	Address	Dist/Dir	Map ID	Page
ANNALETT EMIL MICHAEL EDR Hist Auto: EDR Hist Auto	103 E FOURTH ST	<1/10 S	▲ B3	14
WEAVER ROY EDR Hist Auto: EDR Hist Auto	131 E 4TH ST	<1/10 SSE	▲ B4	15
JIMS DRY CLEANERS INC EDR Hist Cleaner: EDR Hist Cleaner	157 E 4TH ST	<1/10 SE	▲ C5	15
JIMS DRY CLEANERS INC EDR Hist Cleaner: EDR Hist Cleaner	159 E FOURTH ST	<1/10 SE	▲ C6	15

159 E 4TH ST

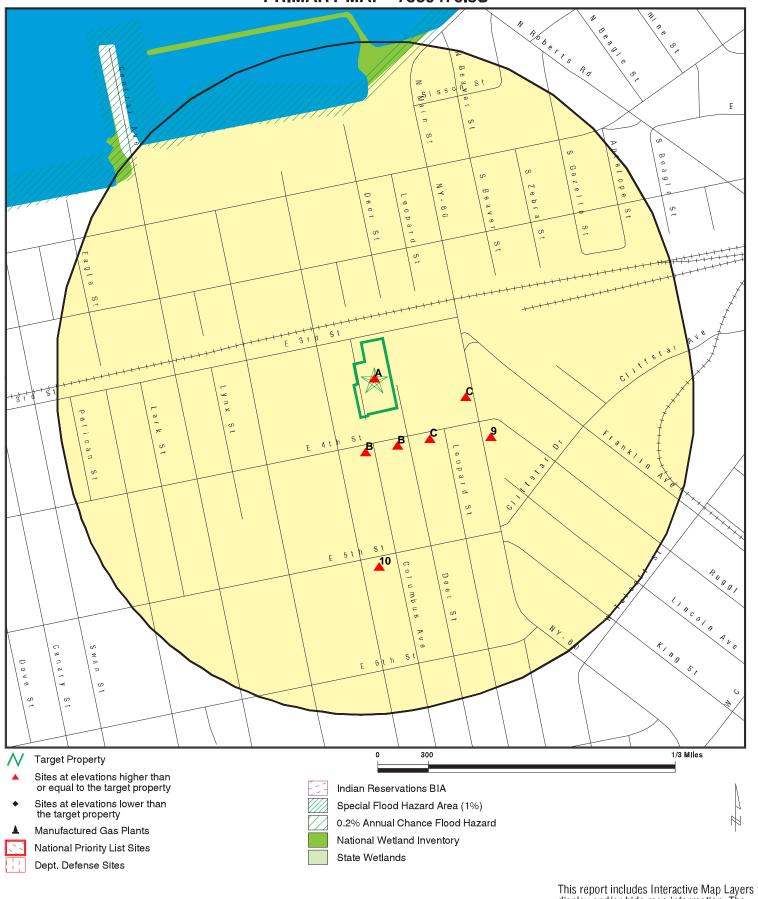
▲ C7

16

<1/10 SE

Name	Address	Dist/Dir	Map ID	Page
VALONE DRY CLEANING CO EDR Hist Cleaner: EDR Hist Cleaner	319 MAIN ST	<1/10 ESE	▲ C8	34
JAGODA JAMES EDR Hist Auto: EDR Hist Auto	400 MAIN ST	1/10 - 1/3 ESE	<b>4</b> 9	35
EDR RECOVERED GOVERNMENT ARCHIVES				
<u>Name</u>	Address	Dist/Dir	Map ID	Page
Not Reported				

# **PRIMARY MAP - 7359476.3S**



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

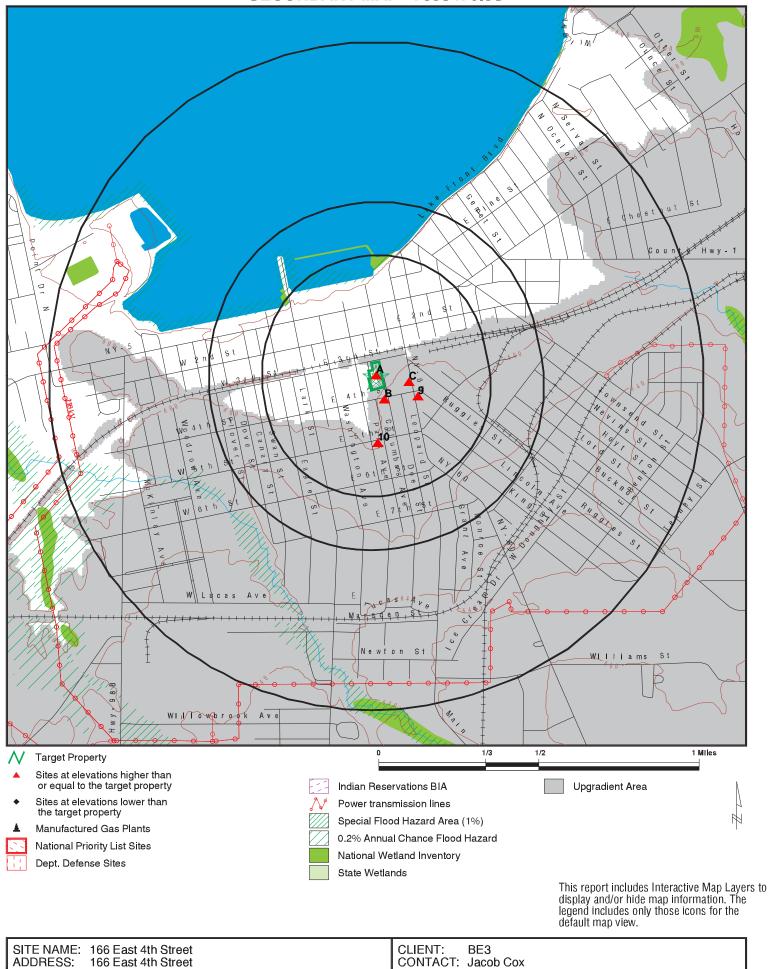
 SITE NAME:
 166 East 4th Street
 CLIENT:
 BE3

 ADDRESS:
 166 East 4th Street
 CONTACT:
 Jacob Cox

 Dunkirk NY 14048
 INQUIRY #:
 7359476.3s

 LAT/LONG:
 42.484738 / 79.330558
 DATE:
 June 08, 2023 1:29 pm

# **SECONDARY MAP - 7359476.3S**



ADDRESS:

LAT/LONG:

166 East 4th Street

Dunkirk NY 14048

42.484738 / 79.330558

INQUIRY#: 7359476.3s DATE: June 08, 2023 1:27 pm

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Jacob Cox

#### **LEGEND**

FACILITY NAME FACILITY ADDRESS, CITY, ST, ZIP			EDR SITE ID NUMBER
◆ MAP ID#  Direction Distance Range (Distance feet / miles)  Relative Elevation Feet Above Sea Level		ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.	
Worksheet:			
Comments:  Comments may be added on the online Vapor Encroachment Worksheet.			

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

DOLLAR GENERAL STORE #8379 164-180 E 4TH ST, DUNKIRK, NY, 14048		S120959541
	Target Property	Other Ascertainable Records
▲ A1	599 ft. Above Sea Level	

#### Worksheet:

### NY MANIFEST: Other Ascertainable Records

Name: **DOLLAR GENERAL STORE #8379** 

Address: 164-180 E 4TH ST City,State,Zip: DUNKIRK, NY 14048

USA Country:

EPA ID: NYR000206292 Facility Status: Not Reported Location Address 1: 164-180 E 4TH ST

Code: ВР

Location Address 2: Not Reported Total Tanks: Not Reported Location City: **DUNKIRK** Location State: NY Location Zip: 14048 Location Zip 4: Not Reported

NY MANIFEST:

Mailing Zip:

EPAID: NYR000206292

Mailing Name: **DOLLAR GENERAL STORE #8379** DOLLAR GENERAL STORE Mailing Contact:

14048

Mailing Address 1: 164-180 E 4TH ST Mailing Address 2: Not Reported Mailing City: **DUNKIRK** Mailing State: NY

TC Page 9

#### DOLLAR GENERAL STORE #8379, 164-180 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Mailing Zip 4: Not Reported

Mailing Country: USA

Mailing Phone: Not Reported

#### **NY MANIFEST:**

Document ID: Not Reported Manifest Status: Not Reported seq: Not Reported

Year: 2018

Trans1 State ID: MAD039322250 Trans2 State ID: Not Reported Generator Ship Date: 11/06/2017 Trans1 Recy Date: 11/06/2017 Trans2 Recv Date: Not Reported TSD Site Recv Date: 11/15/2017 Part A Recv Date: Not Reported Part B Recv Date: Not Reported Generator EPA ID: NYR000206292 Trans1 EPA ID: Not Reported Trans2 EPA ID: Not Reported TSDF ID 1: NCD000648451 TSDF ID 2: Not Reported Manifest Tracking Number: 011181809FLE

Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N
Discr Partial Reject Indicator: N
Discr Full Reject Indicator: N

Manifest Ref Number: Not Reported
Alt Facility RCRA ID: Not Reported
Alt Facility Sign Date: Not Reported

MGMT Method Type Code: H141

Waste Code:

Not Reported

Not Reported

Not Reported

Quantity: 5

Units: P - Pounds

Number of Containers: 1

Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.

 Specific Gravity:
 1

 Waste Code:
 U002

 Waste Code 1\_2:
 U154

 Waste Code 1\_3:
 D001

#### DOLLAR GENERAL STORE #8379, 164-180 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Waste Code 1\_4: D005
Waste Code 1\_5: D007
Waste Code 1\_6: Not Reported

DOLLAR GENERAL STORE #8379 164-180 E 4TH ST, DUNKIRK, NY, 14048		1016455526
	Target Property	Lists of Federal RCRA generators  Other Ascertainable Records
▲ A2	599 ft. Above Sea Level	One: Addertainable Redords

#### Worksheet:

#### RCRA Listings: Lists of Federal RCRA generators

Date Form Received by Agency: 20131112

Handler Name: Dollar General Store #8379

Handler Address: 164-180 E 4TH ST
Handler City,State,Zip: DUNKIRK, NY 14048
EPA ID: NYR000206292
Contact Name: CHRIS BAKER

Contact Address: SAN FELIPE ST SUITE 1100
Contact City, State, Zip: HOUSTON, TX 77056

Contact Telephone: 713-825-7015 Contact Fax: Not Reported

Contact Email: CHRIS.BAKER@PSCNOW.COM

Contact Title: MANAGER OF TECHNICAL SERVICES

EPA Region: 02 Land Type: Private

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

Non-Notifier: Not Reported
Biennial Report Cycle: Not Reported
Accessibility: Not Reported
Active Site Indicator: Handler Activities

State District Owner: NY

State District: NYSDEC R9

Mailing Address: SAN FELIPE ST SUITE 1100
Mailing City, State, Zip: HOUSTON, TX 77056
Owner Name: Dolgencorp Of New York Inc

Owner Type: Private

Operator Name: Dollar General Store #8379

Operator Type: Private Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner No

Exemption:

#### DOLLAR GENERAL STORE #8379, 164-180 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Smelting Melting and Refining Furnace Exemption:

No

**Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not Reported

Hazardous Secondary Material

Indicator:

NN

Not Reported Sub-Part K Indicator: 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline

202 GPRA Corrective Action No

Baseline:

Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has No Been Imposed Universe:

Corrective Action Priority Ranking:

No NCAPS ranking

**Environmental Control Indicator:** No Institutional Control Indicator: No N/A Human Exposure Controls Indicator: Groundwater Controls Indicator: N/A Significant Non-Complier Universe: No Unaddressed Significant Non-No

Complier Universe:

Addressed Significant Non-Complier

Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required: Not Reported 20140915 Handler Date of Last Change: Recognized Trader-Importer: No Recognized Trader-Exporter: No

Exporter of Spent Lead Acid

Batteries:

No

Recycler Activity Without Storage: Not Reported Manifest Broker: Not Reported

Sub-Part P Indicator: No

Importer of Spent Lead Acid Batteries: No

# **Hazardous Waste Summary:**

Waste Code: D001

Waste Description: **IGNITABLE WASTE** 

Waste Code: D002

CORROSIVE WASTE Waste Description:

D005 Waste Code: Waste Description: **BARIUM** 

D007 Waste Code:

#### DOLLAR GENERAL STORE #8379, 164-180 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Waste Description: **CHROMIUM** 

Waste Code: D008 Waste Description: **LEAD** Waste Code: D016

Waste Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Waste Code:

Waste Description: HEPTACHLOR (AND ITS EPOXIDE)

Waste Code:

Waste Description: METHYL ETHYL KETONE

#### **Handler - Owner Operator:**

Owner/Operator Indicator: Owner

DOLGENCORP OF NEW YORK INC Owner/Operator Name:

Legal Status: Private Date Became Current: 20010925 Date Ended Current: Not Reported

100 MISSION RIDGE Owner/Operator Address:

Owner/Operator City, State, Zip: GOODLETTSVILLE, TN 37072

Owner/Operator Telephone: 615-844-4804 Owner/Operator Telephone Ext: Not Reported Owner/Operator Fax: Not Reported Owner/Operator Email: Not Reported

Owner/Operator Indicator: Operator

**DOLLAR GENERAL STORE #8379** Owner/Operator Name:

Legal Status: Private 20010925 Date Became Current: Date Ended Current: Not Reported Owner/Operator Address: Not Reported Owner/Operator City, State, Zip: Not Reported Owner/Operator Telephone: Not Reported Owner/Operator Telephone Ext: Not Reported Owner/Operator Fax: Not Reported Owner/Operator Email: Not Reported

#### **Historic Generators:**

Receive Date: 20131112

Handler Name: **DOLLAR GENERAL STORE #8379** 

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner: Large Quantity Handler of Universal

Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: Yes

Non Storage Recycler Activity: Not Reported

#### DOLLAR GENERAL STORE #8379, 164-180 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Electronic Manifest Broker: Not Reported

**List of NAICS Codes and Descriptions:** 

NAICS Code: 452990

NAICS Description: ALL OTHER GENERAL MERCHANDISE STORES

**Facility Has Received Notices of Violations:** 

Violations: No Violations Found

**Evaluation Action Summary:** 

Evaluations: No Evaluations Found

FINDS: Other Ascertainable Records

Registry ID: 110056505394

Click Here for FRS Facility Detail https://ofmpub.epa.gov/frs\_public2/fii\_query\_detail.disp\_program\_facility?p\_registry\_id=110056505394

Report:

#### **Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2X2XXg1TXV8cgM55Tb14Vl2YcW2JMv935O4Tb76q4o2NX11MXo7qgu16TX7WVg1scj9FMg3C5g4jb629XT2HXS1xgL8NTx43VO6dc9AWMe5G5G8Lbj784w0Jlw43YftgW42aXG21X51HgX24TS1kVN2TcX7YMG5I5v6cbO6c4S6Nlb3fYq7cWc1 additional records for this site. Please contact your EDR Account Executive for more information.

#### **ECHO: Other Ascertainable Records**

Envid: 1016455526 Registry ID: 110056505394

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110056505394

Name: DOLLAR GENERAL STORE #8379

Address: 164-180 E 4TH ST
City,State,Zip: DUNKIRK, NY 14048

ANNALETT EMIL MICHAEL 103 E FOURTH ST, DUNKIRK, NY, 14048			1020775153
	S <1/10	(215 ft. / 0.041 mi.)	EDR Exclusive Records
▲ B3	Equal Elevation	599 ft. Above Sea Level	

#### Worksheet:

#### **EDR Hist Auto: EDR Exclusive Records**

Year: Name: / Type:

1969: ANNALETT EMIL MICHAEL / Gasoline Service Stations
 1970: ANNALETT EMIL MICHAEL / Gasoline Service Stations
 1971: ANNALETT EMIL MICHAEL / Gasoline Service Stations

WEAVER ROY 131 E 4TH ST, DUNKIRK, NY, 14048			1021755160
. 54	SSE <1/10	(225 ft. / 0.043 mi.)	EDR Exclusive Records
▲ B4	2 ft. Higher Elevation	601 ft. Above Sea Level	

# Worksheet:

#### **EDR Hist Auto: EDR Exclusive Records**

Year: Name: / Type:

1969: WEAVER ROY / Gasoline Service Stations
 1970: WEAVER ROY / Gasoline Service Stations
 1971: WEAVER ROY / Gasoline Service Stations

JIMS DRY CLEANERS INC 157 E 4TH ST, DUNKIRK, NY, 14048			1018706555
. 05	SE <1/10	(272 ft. / 0.051 mi.)	EDR Exclusive Records
▲ C5	3 ft. Higher Elevation	602 ft. Above Sea Level	

#### Worksheet:

#### **EDR Hist Cleaner: EDR Exclusive Records**

Year:	Name: / Type:
1974:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1975:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1976:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1977:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1978:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1979:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1980:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1982:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1983:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1985:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1986:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1987:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1988:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1989:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1990:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1991:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs

JIMS DRY CLEANERS INC 159 E FOURTH ST, DUNKIRK, NY, 14048			1018774029
. 00	SE <1/10	(299 ft. / 0.057 mi.)	EDR Exclusive Records
▲ C6	3 ft. Higher Elevation	602 ft. Above Sea Level	

#### Worksheet:

# **EDR Hist Cleaner: EDR Exclusive Records**

Year:	Name: / Type:
1969:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1970:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1989:	JIMS CLEANERS / Drycleaning Plants, Except Rugs, NEC
1991:	JIMS CLEANERS / Drycleaning Plants, Except Rugs, NEC
1992:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1992:	JIMS CLEANERS / Drycleaning Plants, Except Rugs, NEC
1993:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1993:	JIMS CLEANERS / Drycleaning Plants, Except Rugs, NEC
1994:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1995:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1996:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1997:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1998:	JIMS DRY CLEANERS INC / Drycleaning Plants, Except Rugs
1999:	EBZ INC / Drycleaning Plants, Except Rugs
2000:	EBZ INC / Professional Instrument Repair Services
2001:	EBZ INC / Professional Instrument Repair Services
2002:	EBZ INC / Professional Instrument Repair Services
2003:	EBZ INC / Professional Instrument Repair Services
2004:	EBZ INC / Professional Instrument Repair Services
2005:	EBZ INC / Professional Instrument Repair Services
2006:	EBZ INC / Professional Instrument Repair Services
2007:	EBZ INC / Professional Instrument Repair Services
2008:	EBZ INC / Professional Instrument Repair Services
2009:	EBZ INC / Professional Instrument Repair Services
2010:	EBZ INC / Professional Instrument Repair Services
2011:	EBZ INC / Professional Instrument Repair Services
2017:	EBZ INC / Professional Instrument Repair Services
2012:	EBZ INC / Professional Instrument Repair Services
2013:	EBZ INC / Professional Instrument Repair Services
2017.	LDZ INO / I Tolessional mattument repair Services

JIMS DRY CLEANERS 159 E 4TH ST, DUNKIRK, NY, 14048			1000137856
. 07	SE <1/10	(299 ft. / 0.057 mi.)	Lists of Federal RCRA generators  Other Ascertainable Records
▲ C7	3 ft. Higher Elevation	602 ft. Above Sea Level	Onto Adder an abio Nocords

#### Worksheet:

# RCRA Listings: Lists of Federal RCRA generators

Date Form Received by Agency: 20070101
Handler Name: Jims Dry Cleaners
Handler Address: 159 E 4TH ST
Handler City,State,Zip: DUNKIRK, NY 14048
EPA ID: NYD067532374
Contact Name: Not Reported

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Contact Address: E 4TH ST

Contact City, State, Zip: DUNKIRK, NY 14048

Contact Telephone: Not Reported Contact Fax: Not Reported Contact Email: Not Reported Contact Title: Not Reported

EPA Region: 02

Land Type: Not Reported

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

Non-Notifier: Not Reported Biennial Report Cycle: Not Reported Accessibility: Not Reported Active Site Indicator: Handler Activities

State District Owner: NY

NYSDEC R9 State District: Mailing Address: E 4TH ST

Mailing City, State, Zip: DUNKIRK, NY 14048

Owner Name: James V Elias Private Owner Type: Operator Name: James V Elias

Operator Type: Private Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner No

Exemption:

Smelting Melting and Refining

Furnace Exemption:

**Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not Reported

Hazardous Secondary Material

Indicator:

Not Reported

No

NN

Sub-Part K Indicator: 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline

202 GPRA Corrective Action

Baseline:

Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has No

Been Imposed Universe:

Corrective Action Priority Ranking: No NCAPS ranking

**Environmental Control Indicator:** No Institutional Control Indicator: No Human Exposure Controls Indicator:

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

No

Groundwater Controls Indicator: N/A Significant Non-Complier Universe: No Unaddressed Significant Non-No Complier Universe:

Addressed Significant Non-Complier

Universe:

Significant Non-Complier With a

Compliance Schedule Universe:

Financial Assurance Required: Not Reported Handler Date of Last Change: 20150414

Recognized Trader-Importer: Nο Recognized Trader-Exporter: No Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid

Batteries:

Not Reported Recycler Activity Without Storage: Manifest Broker: Not Reported

Sub-Part P Indicator: No

#### **Hazardous Waste Summary:**

Waste Code: F002

Waste Description:

THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F001, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES

SOLVENTS AND SPENT SOLVENT MIXTURES.

#### **Handler - Owner Operator:**

Owner/Operator Indicator: Operator

Owner/Operator Name: JAMES V ELIAS Legal Status: Private Date Became Current: Not Reported Date Ended Current: Not Reported

Owner/Operator Address: NOT REQUIRED

Owner/Operator City, State, Zip: NOT REQUIRED, WY 99999

Owner/Operator Telephone: 212-555-1212 Owner/Operator Telephone Ext: Not Reported Owner/Operator Fax: Not Reported Owner/Operator Email: Not Reported

Owner/Operator Indicator: Owner

Owner/Operator Name: JAMES V ELIAS

Legal Status: Private Date Became Current: Not Reported Date Ended Current: Not Reported Owner/Operator Address: NOT REQUIRED

Owner/Operator City, State, Zip: NOT REQUIRED, WY 99999

Owner/Operator Telephone: 212-555-1212 Owner/Operator Telephone Ext: Not Reported Owner/Operator Fax: Not Reported

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Owner/Operator Email: Not Reported

Owner/Operator Indicator: Owner

Owner/Operator Name: JAMES V ELIAS

Legal Status: Private

Date Became Current: Not Reported

Date Ended Current: Not Reported

Owner/Operator Address: NOT REQUIRED

Owner/Operator City, State, Zip: NOT REQUIRED, WY 99999

Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not Reported
Owner/Operator Fax: Not Reported
Owner/Operator Email: Not Reported

#### **Historic Generators:**

Receive Date: 19990714

Handler Name: JIMS DRY CLEANERS
Federal Waste Generator Description: Small Quantity Generator

State District Owner: NY
Large Quantity Handler of Universal No

Waste:

Recognized Trader Importer:

Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

No

Non Storage Recycler Activity: Not Reported Electronic Manifest Broker: Not Reported

Receive Date: 20060101

Handler Name: JIMS DRY CLEANERS

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner: NY
Large Quantity Handler of Universal No

Vaste:

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

Non Storage Recycler Activity: Not Reported Electronic Manifest Broker: Not Reported

Receive Date: 20070101

Handler Name: JIMS DRY CLEANERS

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner: NY
Large Quantity Handler of Universal No

Waste:

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Spent Lead Acid Battery Exporter: No Current Record: Yes

Non Storage Recycler Activity: Not Reported Electronic Manifest Broker: Not Reported

Receive Date: 19880223

Handler Name: JIMS DRY CLEANERS
Federal Waste Generator Description: Large Quantity Generator

State District Owner: NY
Large Quantity Handler of Universal No

Waste:

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

Non Storage Recycler Activity: Not Reported Electronic Manifest Broker: Not Reported

# List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

#### **Facility Has Received Notices of Violations:**

Violations: No Violations Found

**Evaluation Action Summary:** 

Evaluations: No Evaluations Found

#### ICIS: Other Ascertainable Records

Enforcement Action ID: NY000A0000906030005800311

FRS ID: 110002366092

Action Name: JIMS DRY CLEANERS 36013R037000311

Facility Name: JIMS DRY CLEANERS Facility Address: 159 E 4TH ST #2

DUNKIRK, NY 140482296

Enforcement Action Type: Notice of Violation Facility County: CHAUTAUQUA

Program System Acronym: AIR

Enforcement Action Forum Desc: Administrative - Informal

EA Type Code: NOV Facility SIC Code: 7216

Federal Facility ID: Not Reported
Latitude in Decimal Degrees: 42.4839
Longitude in Decimal Degrees: -79.32928
Permit Type Desc: Not Reported

Program System Acronym: NY0000009060300058

Facility NAICS Code: 812320
Tribal Land Code: Not Reported

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

#### **US AIRS MINOR: Other Ascertainable Records**

Envid: 1000137856

Region Code: 02

Programmatic ID: AIR NY0000009060300058

Facility Registry ID: 110002366092 D and B Number: Not Reported

Primary SIC Code: 7216

NAICS Code: 812320

Default Air Classification Code: MIN

Facility Type of Ownership Code: POF

Air CMS Category Code: Not Reported HPV Status: Not Reported

#### **US AIRS MINOR:**

Region Code: 02

Programmatic ID: AIR NY0000009060300058

Facility Registry ID: 110002366092

Air Operating Status Code: OPR
Default Air Classification Code: MIN

Air Program: MACT Standards (40 CFR Part 63)

Activity Date: 2000-01-28 00:00:00

Activity Status Date: Not Reported

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Activity Status: Not Reported

Region Code: 02

Programmatic ID: AIR NY0000009060300058

Facility Registry ID: 110002366092

Air Operating Status Code: OPR
Default Air Classification Code: MIN

Air Program: MACT Standards (40 CFR Part 63)

Activity Date: 2001-11-07 00:00:00

Activity Status Date: Not Reported

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Activity Status: Not Reported

Region Code: 02

Programmatic ID: AIR NY0000009060300058

Facility Registry ID: 110002366092

Air Operating Status Code: OPR
Default Air Classification Code: MIN

Air Program: MACT Standards (40 CFR Part 63)

Activity Date: 2005-03-21 00:00:00
Activity Status Date: 2005-03-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

Activity Status: Achieved

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

#### **DRYCLEANERS: Other Ascertainable Records**

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

Facility ID: 9-0603-00058 Phone Number: 7163666151 Region: Not Reported 2001-02-22 13:44:03 Registration Effective Date: Inspection Date: 2007-12-21 10:00:00 Install Date: Not Reported **Expiration Date:** 10/26/2004 Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2013-07-25 14:46:29

 Inspection Date:
 2008-12-17 10:00:00

 Install Date:
 Not Reported

 Expiration Date:
 12/04/2014

 Removal Date:
 Not Reported

Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2013-07-25 14:46:29

 Inspection Date:
 2007-12-21 10:00:00

 Install Date:
 Not Reported

Install Date: Not Reported Expiration Date: 12/04/2014
Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2013-07-25 14:46:29

 Inspection Date:
 2006-12-13 09:00:00

 Install Date:
 Not Reported

 Expiration Date:
 12/04/2014

 Removal Date:
 Not Reported

Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

Facility ID: 9-0603-00058 7163666151 Phone Number: Region: Not Reported Registration Effective Date: 2013-07-25 14:46:29 Inspection Date: 2006-01-12 10:00:00 Install Date: Not Reported **Expiration Date:** 12/04/2014 Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

Facility ID: 9-0603-00058 Phone Number: 7163666151 Region: Not Reported 2013-07-25 14:46:29 Registration Effective Date: Inspection Date: 2004-12-30 09:00:00 Install Date: Not Reported **Expiration Date:** 12/04/2014 Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Facility ID: 9-0603-00058 Phone Number: 7163666151 Not Reported Region: 2013-07-25 14:46:29 Registration Effective Date: Inspection Date: 2004-02-11 11:00:00 Install Date: Not Reported **Expiration Date:** 12/04/2014 Removal Date: Not Reported Drop Shop: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Not Reported

Current Business: Not Reported

Shutdown:

Shutdown:

Name: JIMS DRY CLEANERS
Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

Registration Effective Date: 2013-07-25 14:46:29
Inspection Date: 2004-01-27 13:30:00
Install Date: Not Reported
Expiration Date: 12/04/2014
Removal Date: Not Reported
Drop Shop: Not Reported
Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS
Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296 Facility ID: 9-0603-00058

Facility ID: Phone Number: 7163666151 Region: Not Reported Registration Effective Date: 2013-07-25 14:46:29 Inspection Date: 2002-11-22 08:00:00 Install Date: Not Reported **Expiration Date:** 12/04/2014 Removal Date: Not Reported Drop Shop: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Not Reported

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Registration Effective Date: 2013-07-25 14:46:29
Inspection Date: 2001-11-07 09:00:00
Install Date: Not Reported
Expiration Date: 12/04/2014
Removal Date: Not Reported
Drop Shop: Not Reported
Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

Facility ID: 9-0603-00058 Phone Number: 7163666151 Region: Not Reported Registration Effective Date: 2013-07-25 14:46:29 Inspection Date: 2000-11-03 08:00:00 Install Date: Not Reported **Expiration Date:** 12/04/2014 Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

Facility ID: 9-0603-00058 Phone Number: 7163666151 Region: Not Reported Registration Effective Date: 2013-07-25 14:46:29 Inspection Date: 2000-01-28 08:00:00 Install Date: Not Reported **Expiration Date:** 12/04/2014 Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2004-10-26 10:04:40

 Inspection Date:
 2009-12-14 09:15:00

 Install Date:
 Not Reported

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Expiration Date: 12/16/2010
Removal Date: Not Reported
Drop Shop: Not Reported
Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

Facility ID: 9-0603-00058 Phone Number: 7163666151 Region: Not Reported Registration Effective Date: 2004-10-26 10:04:40 Inspection Date: 2008-12-17 10:00:00 Install Date: Not Reported **Expiration Date:** 12/16/2010 Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2004-10-26 10:04:40

 Inspection Date:
 2007-12-21 10:00:00

 Install Date:
 Not Reported

Install Date: Not Reported Expiration Date: 12/16/2010
Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2004-10-26 10:04:40

 Inspection Date:
 2006-12-13 09:00:00

Install Date: Not Reported Expiration Date: 12/16/2010
Removal Date: Not Reported Drop Shop: Not Reported

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2004-10-26 10:04:40

 Inspection Date:
 2006-01-12 10:00:00

 Install Date:
 Not Reported

Install Date:

Expiration Date:

Removal Date:

Drop Shop:

Shutdown:

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

Facility ID: 9-0603-00058 Phone Number: 7163666151 Region: Not Reported Registration Effective Date: 2001-02-22 13:44:03 Inspection Date: 2000-01-28 08:00:00 Install Date: Not Reported **Expiration Date:** 10/26/2004 Removal Date: Not Reported Drop Shop: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Not Reported

Current Business: Not Reported

Shutdown:

Drop Shop:

Shutdown:

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

Facility ID: 9-0603-00058 7163666151 Phone Number: Region: Not Reported Registration Effective Date: 2001-02-22 13:44:03 Inspection Date: 2000-11-03 08:00:00 Install Date: Not Reported **Expiration Date:** 10/26/2004 Removal Date: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Not Reported

Not Reported

Current Business: Not Reported

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

9-0603-00058 Facility ID: Phone Number: 7163666151 Region: Not Reported Registration Effective Date: 2001-02-22 13:44:03 Inspection Date: 2001-11-07 09:00:00 Install Date: Not Reported **Expiration Date:** 10/26/2004 Removal Date: Not Reported Drop Shop: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Not Reported

Current Business: Not Reported

Shutdown:

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

Facility ID: 9-0603-00058 7163666151 Phone Number: Region: Not Reported Registration Effective Date: 2001-02-22 13:44:03 Inspection Date: 2002-11-22 08:00:00 Install Date: Not Reported **Expiration Date:** 10/26/2004 Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

Facility ID: 9-0603-00058 Phone Number: 7163666151 Region: Not Reported 2001-02-22 13:44:03 Registration Effective Date: Inspection Date: 2004-01-27 13:30:00 Install Date: Not Reported **Expiration Date:** 10/26/2004 Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Facility ID: 9-0603-00058 Phone Number: 7163666151 Not Reported Region: Registration Effective Date: 2001-02-22 13:44:03 Inspection Date: 2004-02-11 11:00:00 Install Date: Not Reported **Expiration Date:** 10/26/2004 Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

Registration Effective Date: 2001-02-22 13:44:03
Inspection Date: 2004-12-30 09:00:00
Install Date: Not Reported
Expiration Date: 10/26/2004
Removal Date: Not Reported
Drop Shop: Not Reported
Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2001-02-22 13:44:03

 Inspection Date:
 2006-01-12 10:00:00

 Install Date:
 Not Reported

 Expiration Date:
 10/26/2004

Expiration Date: 10/26/2004
Removal Date: Not Reported
Drop Shop: Not Reported
Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Registration Effective Date: 2001-02-22 13:44:03
Inspection Date: 2006-12-13 09:00:00
Install Date: Not Reported
Expiration Date: 10/26/2004
Removal Date: Not Reported
Drop Shop: Not Reported
Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

Facility ID: 9-0603-00058 Phone Number: 7163666151 Region: Not Reported Registration Effective Date: 2013-07-25 14:46:29 Inspection Date: 2009-12-14 09:15:00 Install Date: Not Reported **Expiration Date:** 12/04/2014 Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

Facility ID: 9-0603-00058 Phone Number: 7163666151 Region: Not Reported Registration Effective Date: 2001-02-22 13:44:03 Inspection Date: 2008-12-17 10:00:00 Install Date: Not Reported **Expiration Date:** 10/26/2004 Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2001-02-22 13:44:03

 Inspection Date:
 2009-12-14 09:15:00

 Install Date:
 Not Reported

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Expiration Date: 10/26/2004
Removal Date: Not Reported
Drop Shop: Not Reported
Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

Facility ID: 9-0603-00058 Phone Number: 7163666151 Region: Not Reported Registration Effective Date: 2004-10-26 10:04:40 Inspection Date: 2000-01-28 08:00:00 Install Date: Not Reported **Expiration Date:** 12/16/2010 Removal Date: Not Reported Drop Shop: Not Reported Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2004-10-26 10:04:40

Inspection Date: 2000-11-03 08:00:00
Install Date: Not Reported
Expiration Date: 12/16/2010
Removal Date: Not Reported
Drop Shop: Not Reported
Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS
Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2004-10-26 10:04:40

 Inspection Date:
 2001-11-07 09:00:00

Install Date: Not Reported Expiration Date: 12/16/2010
Removal Date: Not Reported Drop Shop: Not Reported

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2004-10-26 10:04:40

 Inspection Date:
 2002-11-22 08:00:00

 Install Date:
 Not Reported

Install Date: Not Reported
Expiration Date: 12/16/2010
Removal Date: Not Reported
Drop Shop: Not Reported
Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2004-10-26 10:04:40

Inspection Date: 2004-01-27 13:30:00
Install Date: Not Reported
Expiration Date: 12/16/2010
Removal Date: Not Reported
Drop Shop: Not Reported
Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City,State,Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2004-10-26 10:04:40

 Inspection Date:
 2004-02-11 11:00:00

 Install Date:
 Not Reported

Install Date: Not Reported
Expiration Date: 12/16/2010
Removal Date: Not Reported
Drop Shop: Not Reported
Shutdown: Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Name: JIMS DRY CLEANERS Address: 159 E 4TH ST #2

City, State, Zip: DUNKIRK, NY 14048 2296

 Facility ID:
 9-0603-00058

 Phone Number:
 7163666151

 Region:
 Not Reported

 Registration Effective Date:
 2004-10-26 10:04:40

 Inspection Date:
 2004-12-30 09:00:00

 Install Date:
 Not Reported

 Expiration Date:
 12/16/2010

Install Date:

Expiration Date:

Removal Date:

Drop Shop:

Shutdown:

Not Reported

Not Reported

Not Reported

Not Reported

Alternate Solvent: DF-2000; CAS 64742-48-9, synthetic hydrocarbon, ExxonMobil

Current Business: Not Reported

#### NY MANIFEST: Other Ascertainable Records

Name: JIMS CLEANERS
Address: 159 E 4TH ST
City, State, Zip: DUNKIRK, NY 14048

Country: USA

EPA ID: NYD067532374
Facility Status: Not Reported

Location Address 1: 159 EAST FOURTH STREET

Code: BP

Location Address 2: Not Reported
Total Tanks: Not Reported
Location City: DUNKIRK
Location State: NY
Location Zip: 14048
Location Zip 4: Not Reported

#### NY MANIFEST:

EPAID: NYD067532374

Mailing Name: JIMS CLEANERS

Mailing Contact: JIMS CLEANERS

Mailing Address 1: 159 EAST FOURTH STREET

Mailing Address 2:Not ReportedMailing City:DUNKIRKMailing State:NYMailing Zip:14048Mailing Zip 4:Not Reported

Mailing Country: USA

Mailing Phone: 7163666151

#### NY MANIFEST:

Document ID: Not Reported Manifest Status: Not Reported seq: Not Reported

#### JIMS DRY CLEANERS, 159 E 4TH ST, DUNKIRK, NY 14048 (Continued)

Year: 2018

Trans1 State ID: NYD013277454 Trans2 State ID: Not Reported Generator Ship Date: 10/30/2009 Trans1 Recv Date: 10/30/2009 Trans2 Recv Date: Not Reported TSD Site Recv Date: 10/30/2009 Part A Recv Date: Not Reported Part B Recv Date: Not Reported NYD067532374 Generator EPA ID: Trans1 EPA ID: Not Reported Trans2 EPA ID: Not Reported TSDF ID 1: NYD013277454 TSDF ID 2: Not Reported 003599364JJK Manifest Tracking Number:

 Import Indicator:
 N

 Export Indicator:
 N

 Discr Quantity Indicator:
 N

 Discr Type Indicator:
 N

 Discr Residue Indicator:
 N

 Discr Partial Reject Indicator:
 N

 Discr Full Reject Indicator:
 N

Manifest Ref Number: Not Reported
Alt Facility RCRA ID: Not Reported
Alt Facility Sign Date: Not Reported

MGMT Method Type Code: H141

Waste Code:
Waste

Quantity: 26

Units: G - Gallons (liquids only)\* (8.3 pounds)

Number of Containers: 2

Container Type: DF - Fiberboard or plastic drums (glass)

Handling Method: R Material recovery of more than 75 percent of the total material.

Specific Gravity: 1
Waste Code: F001

Waste Code 1\_2:

Waste Code 1\_3:

Waste Code 1\_4:

Waste Code 1\_5:

Not Reported

VALONE DRY CLEANING CO 319 MAIN ST, DUNKIRK, NY, 14048

1020112830

• C0	ESE <1/10	(409 ft. / 0.078 mi.)	EDR Exclusive Records
▲ C8	3 ft. Higher Elevation	602 ft. Above Sea Level	

#### Worksheet:

#### **EDR Hist Cleaner: EDR Exclusive Records**

Year: Name: / Type:

1969: VALONE DRY CLEANING CO / Drycleaning Plants, Except Rugs
 1970: VALONE DRY CLEANING CO / Drycleaning Plants, Except Rugs
 1971: VALONE DRY CLEANING CO / Drycleaning Plants, Except Rugs

JAGODA JAMES 400 MAIN ST, DUNKIRK, NY, 14048			1021921619
	ESE 1/10 - 1/3	(583 ft. / 0.11 mi.)	EDR Exclusive Records
<b>A</b> 9	4 ft. Higher Elevation	603 ft. Above Sea Level	

#### Worksheet:

# **EDR Hist Auto: EDR Exclusive Records**

Year:	Name: / Type:
1969:	JAGODA JAMES / Gasoline Service Stations
1970:	JAGODA JAMES / Gasoline Service Stations
1971:	JAGODA JAMES / Gasoline Service Stations
1972:	JAGODA JAMES / Gasoline Service Stations
1973:	JAGODA JAMES / Gasoline Service Stations
1974:	JAGODA JAMES / Gasoline Service Stations
1975:	JAGODA JAMES / Gasoline Service Stations
1976:	JAGODA JAMES / Gasoline Service Stations

DUNKIRK GAS STATION 45 E. 5TH STREET, DUNKIRK, NY,		S100118510	
	S 1/10 - 1/3	(897 ft. / 0.17 mi.)	Lists of state and tribal leaking storage tanks
<b>1</b> 0	1 ft. Higher Elevation	600 ft. Above Sea Level	

#### Worksheet:

# LTANKS: Lists of state and tribal leaking storage tanks

Name:DUNKIRK GAS STATIONAddress:45 E. 5TH STREETCity,State,Zip:DUNKIRK, NY

Spill Number/Closed Date: 8602003 / 1987-06-01

 Facility ID:
 8602003

 Site ID:
 125143

 Spill Date:
 1986-06-18

 Spill Cause:
 Tank Failure

#### DUNKIRK GAS STATION, 45 E. 5TH STREET, DUNKIRK, NY (Continued)

Spill Source: Gasoline Station or other PBS Facility

Spill Class: Not Reported Cleanup Ceased: 1987-06-01 SWIS: 0734 LEARY Investigator: Referred To: Not Reported Reported to Dept: 1986-06-18 CID: Not Reported Water Affected: Not Reported Spill Notifier: Health Department

Last Inspection:1987-04-23Recommended Penalty:FalseMeets Standard:TrueUST Involvement:TrueRemediation Phase:0

Date Entered In Computer: 1986-06-26

Spill Record Last Update: 2002-02-27

Spiller Name: Not Reported

Spiller Company: MR. A. BARTLETT

Spiller Address: 17 BABCOCK STREET

Spiller County: 001

Spiller Contact: Not Reported
Spiller Phone: Not Reported
Spiller Extention: Not Reported

DEC Region: 9
DER Facility ID: 108278

DEC Memo: "Prior to Sept, 2004 data translation this spill Lead\_DEC Field was

RNL //: CHCHD S. JOHNSON SET UP MEETING 6/20/86 0900. //: CHCHD,

S. JOHNSON, MEETING 6/20/86; SITE INSPECTION 07/08/86, CLEANUP

UNDERWAY. //: EXCAVATED MATERIAL TEMP. STORAGE AT CONTRACTORS YARD ON BERMED & POLY LINED AREA, MJH ISSUED EMERGENCY HAULERS PERMIT. //

: SITE INSPECTION 07/08/86, CLEANUP UNDERWAY AND SATISFACTORY, MJH ISSUED EMERGENCY HAULERS PERMIT. //: MEETING 11/21/86 CHCHD, SITE

CLEAN, DISPOSAL REMAINS, NEW TANKS INSTALLED. //: SITE INSPECTION

07/08/86, CLEANUP UNDERWAY AND SATISFACTORY, GAVE EMERGENCY HAULERS

PERMIT; CHCHD 07/31/86, CONTAMINATED SOIL STOCKPILED. //: LETTERS

01/15/87, REPLY 01/30/87 - \_\_\_\_\_. / /: MEETING 11/21/86 CHCHD,

SITE CLEAN, DISPOSAL REMAINS, NEW TANKS INSTALLED; MEETING CHCHD

01/08/87, SOIL STILL REMAINS, LETTERS TO BE SENT.  $\ensuremath{/\,/}$  : LETTERS

01/15/87, REPLY 01/30/87 - 0K; TELECONS 01/30/87 WITH ATTORNEYS,

PASSAFARO'S CLIENT AGREED TO REMOVE SOIL. / /: LETTER 04/06/87, SOIL

REMOVAL 04/17/87 - \_\_\_\_\_. //: LETTER 04/06/87, SOIL REMOVAL

04/17/87 - OK; LETTER 04/09/87 RECEIVED, BFI TO REMOVE SOIL. / /:

RNL SITE INSP. 04/23/87, SOIL STILL PRESENT, BFI TO REMOVE. //:

# DUNKIRK GAS STATION, 45 E. 5TH STREET, DUNKIRK, NY (Continued)

REC. 06/01/87 LETTER, SOIL REMOVED 05/18/87; MEETING CHCHD, M.

VENDETTI, SATISFIED WITH CLEANUP, SOIL REMOVED. "

Remarks: "EXCAVATION AT ABANDONED GAS STATION FOUND PRODUCT"

#### All Materials:

Site ID: 125143 Operable Unit ID: 899457 Operable Unit: 01 478458 Material ID: Material Code: 0009 Material Name: gasoline Case No.: Not Reported Material FA: Petroleum .00 Quantity: Units: G Recovered: .00

Resource Affected: Groundwater
Oxygenate: Not Reported

St Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS					
Federal NPL site list US NPL US Proposed NPL US NPL LIENS	National Priority List Proposed National Priority List Sites Federal Superfund Liens	EPA EPA EPA	04/26/2023 04/26/2023 10/15/1991	05/02/2023 05/02/2023 02/02/1994	05/17/2023 05/17/2023 03/30/1994
Federal CERCLIS list US SEMS	Superfund Enterprise Management System	EPA	04/26/2023	05/02/2023	05/17/2023
Federal RCRA CORRACTS facilities In US CORRACTS	ist Corrective Action Report	EPA	03/06/2023	03/09/2023	03/20/2023
Federal RCRA TSD facilities list US RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
Federal RCRA generators list US RCRA-LQG US RCRA-SQG US RCRA-VSQG	RCRA - Large Quantity Generators RCRA - Small Quantity Generators RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency Environmental Protection Agency Environmental Protection Agency	03/06/2023 03/06/2023 03/06/2023	03/09/2023 03/09/2023 03/09/2023	03/20/2023 03/20/2023 03/20/2023
Federal institutional controls / engine US LUCIS US US ENG CONTROLS US US INST CONTROLS	Land Use Control Information System Engineering Controls Sites List Institutional Controls Sites List	Department of the Navy Environmental Protection Agency Environmental Protection Agency	02/08/2023 02/20/2023 02/20/2023	02/09/2023 02/21/2023 02/21/2023	05/02/2023 05/02/2023 05/02/2023
Federal ERNS list US ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/20/2023	03/21/2023	05/30/2023
State and tribal - equivalent CERCLIS NY SHWS	Inactive Hazardous Waste Disposal Sites in New York State	Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023
State and tribal landfill / solid waste of NY SWF/LF	<i>lisposal</i> Facility Register	Department of Environmental Conservation	12/21/2022	12/22/2022	12/30/2022
State and tribal leaking storage tank I US INDIAN LUST R5 US INDIAN LUST R1 US INDIAN LUST R6 US INDIAN LUST R10 US INDIAN LUST R9 US INDIAN LUST R8 US INDIAN LUST R7 US INDIAN LUST R7 US INDIAN LUST R4 NY LTANKS NY HIST LTANKS	Leaking Underground Storage Tanks on Indian Land Spills Information Database Listing of Leaking Storage Tanks	EPA, Region 5 EPA Region 1 EPA Region 6 EPA Region 10 Environmental Protection Agency EPA Region 8 EPA Region 7 EPA Region 4 Department of Environmental Conservation Department of Environmental Conservation	10/14/2022 10/19/2022 11/23/2022 11/23/2022 11/23/2022 11/23/2022 10/14/2022 11/26/2022 02/06/2023 01/01/2002	12/06/2022 12/06/2022 12/06/2022 12/06/2022 12/06/2022 12/06/2022 12/06/2022 12/06/2022 02/07/2023 07/08/2005	03/03/2023 03/03/2023 03/03/2023 04/19/2023 03/03/2023 03/03/2023 03/03/2023 02/09/2023 07/14/2005

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date		
Stat	State and tribal registered storage tank lists							
NY	TANKS	Storage Tank Faciliy Listing	Department of Environmental Conservation	02/14/2023	03/21/2023	06/02/2023		
NY	UST	Petroleum Bulk Storage (PBS) Database	Department of Environmental Conservation	02/14/2023	03/21/2023	06/02/2023		
NY	CBS UST	Chemical Bulk Storage Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002		
NY	MOSF UST	Major Oil Storage Facilities Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002		
NY	AST	Petroleum Bulk Storage	Department of Environmental Conservation	02/14/2023	03/21/2023	06/02/2023		
NY	CBS AST	Chemical Bulk Storage Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002		
NY	MOSF AST	Major Oil Storage Facilities Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002		
NY	CBS	Chemical Bulk Storage Site Listing	Department of Environmental Conservation	02/14/2023	03/21/2023	06/02/2023		
NY	MOSF	Major Oil Storage Facility Site Listing	Department of Environmental Conservation	02/14/2023	03/21/2023	06/02/2023		
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/14/2022	12/06/2022	03/03/2023		
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/19/2022	12/06/2022	03/03/2023		
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/14/2022	12/06/2022	03/03/2023		
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	11/23/2022	12/06/2022	03/03/2023		
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	11/23/2022	12/06/2022	03/03/2023		
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	11/23/2022	12/06/2022	04/19/2023		
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	11/23/2022	12/06/2022	03/03/2023		
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	11/23/2022	12/06/2022	03/03/2023		
US	FEMA UST	Underground Storage Tank Listing	FEMA	03/08/2023	03/09/2023	05/30/2023		
Stat	te and tribal institutional control /	engineering control registries						
NY	RES DECL	Restrictive Declarations Listing	NYC Department of City Planning	09/27/2022	12/12/2022	03/06/2023		
NY	ENV RES DECL	Environmental Restrictive Declarations	New York City Department of City Planning	09/27/2022	03/21/2023	06/02/2023		
NY	ENG CONTROLS	Registry of Engineering Controls	Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023		
NY	INST CONTROL	Registry of Institutional Controls	Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023		
Stat	te and tribal voluntary cleanup site	es						
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008		
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016		
NY	VCP	Voluntary Cleanup Agreements	Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023		
NY	VCP NYC	Voluntary Cleanup Program Listing NYC	New York City Office of Environmental Protect	03/06/2023	03/08/2023	05/25/2023		
Stat	te and tribal Brownfields sites							
NY	BROWNFIELDS	Brownfields Site List	Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023		
NY	ERP	Environmental Restoration Program Listing	Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023		
Oth	er Records							
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2022	01/12/2023	04/07/2023		
US	ROD	Records Of Decision	EPA	04/26/2023	05/02/2023	05/17/2023		
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	04/26/2023	05/02/2023	05/17/2023		
NY	DEL SHWS	Delisted Registry Sites	Department of Environmental Conservation	02/06/2023	02/07/2023	04/24/2023		
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009		
NY	SWRCY	Registered Recycling Facility List	Department of Environmental Conservation	12/21/2022	12/22/2022	12/30/2022		
NY	SWTIRE	Registered Waste Tire Storage & Facility List	Department of Environmental Conservation	02/27/2018	04/06/2018	06/08/2018		
NY	HIST UST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006		
NY	HIST AST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006		
		v	•	_		_		

US         US AIRS MNOR         Air Facility System Data         EPA         10/12/2016         10/22/2016         02/20/2017           US         US AIRS (AFS)         Aerometric Information Retrieval System Facility Subsystem (FPA         EPA         10/12/2016         10/20/2016         02/20/2017         02	St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US         US AIRNS (AFS)         Aerometric Information Retrieval System Facility Subsystem (         EPA WATCH LIST         Eminionmental Protection Agency         08/30/2013         63/22/2014         09/17/2014           US         CABA SHE FAR         Coal Combustion Residues Surface Impoundments List         Environmental Protection Agency         00/40/2010         10/27/2010         10/20/2010           US         CABA SH DOE         Tomor Charles Action Program List         Environmental Protection Agency         00/30/2017         06/30/2010         06/30/2010         07/20/2012           US         CABA SH DOE         Steam-Retiench Part Operation Data         Department of Energy         10/21/2001         07/20/2012         07/20/2012           US         US FIN ASSUR         Formerly Unitzed Sites Remedial Action Program         Department of Energy         10/21/20/20         07/20/2012         07/20/2012         07/20/2012         07/20/2012         07/20/2012         07/20/2012         07/20/2012         08/20/20         07/20/2012         07/20/2012         07/20/2012         07/20/2012         07/20/2012         07/20/2012         07/20/2012         07/20/2012         07/20/2012         07/20/2012         07/20/2012         07/20/2012         07/20/2012	US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
SE FAWATCH LIST	US	US AIRS (AFS)		EPA	10/12/2016	10/26/2016	02/03/2017
US   EAD SMELTER 2   Lead Smelter Sites   Coal Combustion Residues Surface Impoundments List   Environmental Protection Agency   04/05/2001   01/27/2010   01/2017   03/05/019   11/1/2019   03/05/019   01/1/2017   03/05/019   01/1/2017   03/05/019   01/1/2017   03/05/019   01/1/2017   03/05/019   01/1/2017   03/05/019   01/1/2017   03/05/019   01/1/2017   03/05/019   01/1/2017   03/05/019   01/1/2017   03/05/019   01/1/2018   03/05/019   01/1/2018   03/05/019   03/05/0		,		Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US   200 COR A CTION   2010 Corrective Action Trogram List				<b>9</b> ,			
US 2020 COR ACTION   2020 Corrective Action Program List   Environmental Protection Agency   0930/2017   0908/2018   0720/2018   US US HIST CD   National Claridestine Laboration Register   Drug Enroement Administration   01/08/2023   20/20/2023   US COAL ASH DOE   Steam-Electic Plant Operation Data   Department of Energy   0728/2021   1/30/2021   02/22/2022   US LEAD SMELTER   Lead Smelter Sites   Environmental Protection Agency   04/28/2023   05/20/2023   US FINA SSUR   Financial Assurance Information   Environmental Protection Agency   04/28/2023   05/20/2023   US SEND RYCLEANERS   State Coalition for Remediation of Drycleaners Listing   Environmental Protection Agency   07/30/2021   02/30/2023   US SEND SHYCLEANERS   State Coalition for Remediation of Drycleaners Listing   Environmental Protection Agency   07/30/2021   02/30/2023   US SEND SHYCLEANERS   State Coalition for Remediation of Drycleaners Listing   Environmental Protection Agency   07/30/2021   02/30/2023   US DESISTENCE   PCB Transformer Registration Database   Environmental Protection Agency   07/30/2021   09/30/2023   05/20/2023   US DESISTENCE   Superfund Enterprise Management System Archive   EPA   04/26/2023   05/20/2023   05/20/2023   US DESISTENCE   Environmental Protection Agency   04/26/2023   05/20/2023   US DESISTENCE   Environmental Protection Agency   04/26/2023   05/20/2023   US DESISTENCE   Environmental Protection Agency   04/26/2023   03/20/2023   US DESISTENCE   Environmental Protection Agency   04/26/2023   03/20/2023   US DESISTENCE   Environmental Protection Agency   04/26/2023   03/20/2023   US DESISTENCE   Environmental Protection Agency   04/26/2023   04/13/2023   04/13/2023   US DESISTENCE   Environmental Protection Agency   04/26/2023   04/13/2023   0	US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List				11/11/2019
US         US HIST CDL         National Clandestine Laboratory Register         Drug Enforcement Administration         01/06/2023         20/20/2023         02/10/2023         10/20/2023         02/20/2023				<b>,</b>			
US         FUSRAP         Formerly Ultitude Sites Remedial Action Program         Department of Energy         07/26/2021         10/27/2021         10/22/2023         10/22/2023				<b>9</b> ,			
US         COAL ASH DOE         Steam-Electric Plant Operation Data         Department of Energy         1231/2020         1130/2021         02/202/2022         02/10/2023           US         LEAD SMELTER I         Lead Smelter Sites         Environmental Protection Agency         03/13/2023         03/21/2023         05/2022 </td <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td>				•			
LEAD SMELTER   Lead Sneller Sites							
US SIN ASSUR         Financial Assurance Information         Environmental Protection Agency         03/13/2023         303/21/2023         05/20/2023         05/20/2023         10/20/2023         05/20/2023							
US SCRD DRYCLEANERS   State Coalition for Remediation of Drycleaners Listing   Environmental Protection Agency   07/30/2021   02/03/2023   02/10/2023   US POB TRANSFORMER   PCB Transformer Registration Database   Environmental Protection Agency   04/26/2023   05/10/2023   05/10/2023   US POB TRANSFORMER   National Priority List Deletions   EPA   04/26/2023   05/10/2023   05/10/2023   US POB TRANSFORMER   National Priority List Deletions   EPA   04/26/2023   05/10/2023   05/10/2023   US POB TRANSFORMER   RCRA - Non Generators / No Longer Regulated   Environmental Protection Agency   04/26/2023   03/09/2023							
US   PCB TRANSFORMER   PCB Transformer Registration Database   Environmental Protection Agency   09/13/2019   11/06/2019   02/10/2020   05/17/2023   05/17/2023   US   SEMS-ARCHIVE   Superfund Enterprise Management System Archive   EPA   04/28/2023   05/07/2023   05/17/2023   US   RCRA NonGen / NLR   RCRA - Non Generators / No Longer Regulated   Environmental Protection Agency   03/08/2023   03/07/2023   03/07/2023   US   HMIRS   Hazardous Materials Information Reporting System   US. Department of Transportation   01/02/2020   03/09/2023   03/20/2023   US   US   CDT OPS   Incident and Accident Data   Department of Transportation   01/06/2023   03/20/2023   03/20/2023   US   US   CDT OPS   Incident and Accident Data   Department of Transportation   01/06/2023   02/12/2023   03/20/2023   US   US   CDT OPS   Incident and Accident Data   Department of Transportation   01/06/2023   03/20/2023   03/20/2023   US   US   CDT OPS   Incident and Accident Data   Department of Transportation   01/06/2029   03/10/2023   03/10/2023   US   US   CDT OPS   Department of Defense Sites   US   CORONAL				<b>9</b> ,			
US         Delisted NPL         National Priority List Deletions         EPA         04/26/2023         05/02/2023         05/17/2023           US         SEMS-ARCHIVE         Superfund Enterprise Management System Archive         EPA         04/26/2023         05/02/2023         05/17/2023           US         RCRA NonGen / NLR         RCRA - Non Generators / No Longer Regulated         Environmental Protection Agency         03/06/2023         03/02/2023			, ,	<b>9</b> ,			
SEMS-ARCHIVE   Superfund Enterprise Management System Archive   EPA   04/26/2023   05/02/2023   05/02/2023   US   RCRA NonGen / NLR   RCRA - Non Generators / Not Longer Regulated   Environmental Protection Agency   03/06/2023   03/02/2023   03/02/2023   US   DOT OPS   Incident and Accident Data   Department of Transportation   01/02/2020   01/02/2023   02/02/2023   US   SCDL   Clandestine Drug Labs   Drug Enforcement Administration   01/02/2021   01/02/2023   02/02/2023   US   SCDL   Clandestine Drug Labs   Drug Enforcement Administration   01/02/2023   02/02/2023   02/02/2023   US   SCDL   Clandestine Drug Labs   Drug Enforcement Administration   01/02/2023   02/02/2023   US   SCDL   Clandestine Drug Labs   Drug Enforcement Administration   01/02/2023   02/02/2023   US   SCDL   Clandestine Drug Labs   Drug Enforcement Administration   01/02/2023   02/02/2023   US   US   SCDL   Clandestine Drug Labs   Drug Enforcement Administration   01/02/2023   02/02/2023   US   US   SCDL   Clandestine Drug Labs   Drug Enforcement Administration   01/02/2023   02/02/2023   US   US   SCDL   Clandestine Drug Labs   Drug Enforcement Administration   01/02/2023   02/02/2023   US   US   SCDL   Clandestine Drug Labs   Drug Enforcement Administration   01/02/2023   02/02/2023   US   Clandestine Drug Labs   US   Clandestine Drug Labs	US		· · · · · · · · · · · · · · · · · · ·	<b>9</b> ,			
US RCRA NonGen / NLR							
Windle   W							
US DOT OPS							
US CDL         Clandestine Drug Labs         Drug Enforcement Administration         0.1706/2023         20/20/2023         20/10/		_	· · · · · · · · · · · · · · · · · · ·	·			
US BROWNFIELDS         A Listing of Brownfields Sites         Environmental Protection Agency         04/06/2023         04/13/2023         04/19/2022           US DOD         Department of Defense Sites         USG         06/07/2021         07/13/2021         03/09/2022           US FEDLAND         Federal and Indian Lands         U.S. Geological Survey         04/02/2018         04/11/2018         11/06/2019           US FUDS         Formerly Used Defense Sites         U.S. Army Corps of Engineers         02/01/2023         02/14/2023         05/02/2023           US UMTRA         Uranium Mill Tallings Sites         Department of Energy         08/30/2019         11/15/2019         01/18/2020         05/02/2023           US MINES VIOLATIONS         MSHA Violation Assessment Data         DOL, Mine Safety & Health Admi         02/21/2023         03/01/202				· · · · · · · · · · · · · · · · · · ·			
US							
US   FEDLAND   Federal and Indian Lands   U.S. Geological Survey   04/02/2018   04/11/2018   11/06/2019   U.S. Army Corps of Engineers   02/02/2023   05/02/2023   05/02/2023   U.S. Army Corps of Engineers   02/02/2023   05/0	US	DOD					
US	US	FEDLAND		U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US         UMTRA         Uranium Mill Tailings Sites         Department of Energy         08/30/2019         11/15/2010         01/28/2020           US         ODI         Open Dump Inventory         Environmental Protection Agency         06/30/1985         08/09/2004         09/17/2002           US         MINES VIOLATIONS         MSHA Violation Assessment Data         DOL, Mine Safety & Health Admi         02/27/2023         03/01/2023         03/24/2023           US         US MINES         Mines Master Index File         Department of Labor, Mine Safety and Health A         02/02/2023         02/21/2023         05/17/2023           US MINES 2         Ferrous and Nonferrous Metal Mines Database Listing         USGS         04/14/2011         06/08/2011         09/13/2011           US S MINES 3         Active Mines & Mineral Plants Database Listing         USGS         04/16/2012         05/01/2023         05/17/2023           US TSC         PRP         Potentially Responsible Parties         EPA         04/26/2023         05/01/2023         05/17/2023           US TSCA         Toxic Chemical Release Inventory System         EPA         12/31/2021         02/16/2023         05/01/2023           US FTTS         FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fu         EPA         12/31/2020         04/16/2009         05/11/2009 <td>US</td> <td>FUDS</td> <td></td> <td></td> <td></td> <td>02/14/2023</td> <td></td>	US	FUDS				02/14/2023	
US         ODI         Open Dump Inventory         Environmental Protection Agency         06/30/1985         08/09/2004         09/17/2004           US         MINES VIOLATIONS         MSHA Violation Assessment Data         DOL, Mine Safety & Health Admi         02/27/2023         03/01/2023         03/01/2023         03/01/2023         03/01/2023         03/01/2023         03/01/2023         03/01/2023         03/01/2023         03/01/2023         05/17/2023		UMTRA		• •			
US         MINES VIOLATIONS         MSHA Violation Assessment Data         DOL, Mine Safety & Health Admi         02/27/2023         03/01/2023         03/24/2023           US         US MINES         Mines Master Index File         Department of Labor, Mine Safety and Health A         02/02/2023         02/22/2023         05/17/2023	US	ODI	<u>.                                      </u>	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US         MINES         Mines Master Index File         Department of Labor, Mine Safety and Health A         02/02/2023         05/17/2023           US         US MINES 2         Ferrous and Nonferrous Metal Mines Database Listing         USGS         01/07/2022         02/22/2023         05/17/2023           US         US MINES 3         Active Mines & Mineral Plants Database Listing         USGS         04/14/2011         06/08/2011         05/17/2023           US         PRP         Potentially Responsible Parties         EPA         04/26/2023         05/17/2023           US         TRIS         Toxic Chemical Release Inventory System         EPA         12/31/2021         02/16/2023         05/02/2023           US         TSCA         Toxic Chemical Release Inventory System         EPA         12/31/2021         02/16/2023         05/02/2023           US         TSCA         Toxic Substances Control Act         EPA         12/31/2020         06/14/2022         03/24/2023           US         TSTS         FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fu         EPA         12/31/2021         06/16/2023         05/02/2023           US         FITS INSP         FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fu         EPA         04/09/2009         04/16/2009         05/11/2009	US	MINES VIOLATIONS	· · · · · · · · · · · · · · · · · · ·				
US         US MINES 2         Ferrous and Nonferrous Metal Mines Database Listing         USGS         01/07/2022         02/24/2023         05/17/2023           US         US MINES 3         Active Mines & Mineral Plants Database Listing         USGS         04/14/2011         06/08/2011         09/13/2011           US         PRP         Potentially Responsible Parties         EPA         04/26/2023         05/02/2023           US         TRIS         Toxic Chemical Release Inventory System         EPA         12/31/2020         06/14/2022         05/02/2023           US         TSCA         Toxic Substances Control Act         EPA         12/31/2020         06/14/2022         03/24/2023           US         FTTS         FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu         EPA/Office of Prevention, Pesticides and Toxi         04/09/2009         04/16/2009         05/11/2009           US         FTTS INSP         FIFRA/TSCA Tracking System Administrative Case Listing         Environmental Protection Agency         10/19/2006         03/01/2007         04/10/2007           US         SSTS         Section 7 Tracking System Inspection & Enforcement Case Lis         EPA         01/17/2023         01/18/2023         04/19/2023         04/19/2020           US         SQSTS         Section 7 Tracking System Section 7 Tracking System<	US	US MINES	Mines Master Index File		02/02/2023	02/22/2023	
US         US MINES 3         Active Mines & Mineral Plants Database Listing         USGS         04/14/2011         06/08/2011         09/13/2011           US         PRP         Potentially Responsible Parties         EPA         04/26/2023         05/02/2023	US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing		01/07/2022	02/24/2023	05/17/2023
US         TRIS         Toxic Chemical Release Inventory System         EPA         12/31/2021         02/16/2023         05/02/2023           US         TSCA         Toxic Substances Control Act         EPA         12/31/2020         06/14/2022         03/24/2023           US         FTTS         FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu         EPA/Office of Prevention, Pesticides and Toxi         04/09/2009         04/16/2009         05/11/2009           US         FTTS INSP         FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fu         EPA         04/09/2009         04/16/2009         05/11/2009           US         HIST FTTS         FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fu         EPA         04/09/2009         04/16/2009         05/11/2009           US         HIST FTTS         FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fu         EPA         04/09/2009         04/16/2009         05/11/2009           US         HIST FTTS         FIFRA/TSCA Tracking System Administrative Case Listing         EPA         Environmental Protection Agency         10/19/2006         03/01/2007         04/10/2007           US         SSTS         Section 7 Tracking System         Environmental Protection Agency         11/18/2016         11/23/2016         02/10/2017           US         PADS	US	US MINES 3		USGS	04/14/2011	06/08/2011	09/13/2011
US         TSCA         Toxic Substances Control Act         EPA         12/31/2020         06/14/2022         03/24/2023           US         FTTS         FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu         EPA/Office of Prevention, Pesticides and Toxi         04/09/2009         04/16/2009         05/11/2009           US         FTTS INSP         FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fu         EPA         04/09/2009         04/16/2009         05/11/2009           US         HIST FTTS         FIFRA/TSCA Tracking System Administrative Case Listing         Environmental Protection Agency         10/19/2006         03/01/2007         04/10/2007           US         SSTS         Section 7 Tracking System Inspection & Enforcement Case Lis         Environmental Protection Agency         10/19/2006         03/01/2007         04/10/2007           US         ICIS         Integrated Compliance Information System         Environmental Protection Agency         11/18/2016         11/23/2016         02/10/2017           US         PADS         PCB Activity Database System         EPA         11/03/2022         01/04/2023         04/03/2023           US         MLTS         Material Licensing Tracking System         Nuclear Regulatory Commission         03/15/2023         03/21/2023         05/30/2023           US         RADINFO	US	PRP	Potentially Responsible Parties	EPA	04/26/2023	05/02/2023	05/17/2023
US         FTTS         FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu         EPA/Office of Prevention, Pesticides and Toxi         04/09/2009         04/16/2009         05/11/2009           US         FTTS INSP         FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fu         EPA         04/09/2009         04/16/2009         05/11/2009           US         HIST FTTS         FIFRA/TSCA Tracking System Administrative Case Listing         Environmental Protection Agency         10/19/2006         03/01/2007         04/10/2007           US         HIST FTTS INSP         FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis         Environmental Protection Agency         10/19/2006         03/01/2007         04/10/2007           US         SSTS         Section 7 Tracking Systems         EPA         01/17/2023         01/18/2023         04/19/2023           US         ICIS         Integrated Compliance Information System         Environmental Protection Agency         11/18/2016         11/23/2016         02/10/2017           US         PADS         PCB Activity Database System         EPA         11/03/2002         01/04/2023         04/03/2023           US         MLTS         Material Licensing Tracking System         Nuclear Regulatory Commission         03/15/2023         03/21/2023         03/21/2023         03/20/2023	US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2021	02/16/2023	05/02/2023
US         FTTS INSP         FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu US HIST FTTS         EPA         04/09/2009         04/16/2009         05/11/2009           US         HIST FTTS         FIFRA/TSCA Tracking System Administrative Case Listing         Environmental Protection Agency         10/19/2006         03/01/2007         04/10/2007           US         HIST FTTS INSP         FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis         Environmental Protection Agency         10/19/2006         03/01/2007         04/10/2007           US         SSTS         Section 7 Tracking Systems         EPA         01/17/2023         01/18/2023         04/10/2007           US         ICIS         Integrated Compliance Information System         Environmental Protection Agency         11/18/2016         11/12/2016         02/10/2017           US         PADS         PCB Activity Database System         EPA         11/03/2022         01/04/2023         04/03/2023           US         MLTS         Material Licensing Tracking System         Nuclear Regulatory Commission         03/15/2023         03/21/2023         05/30/2023           US         RADINFO         Radiation Information Database         Environmental Protection Agency         07/01/2019         07/01/2019         07/01/2019         03/21/2023         03/24/2023	US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US         FTTS INSP         FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu US HIST FTTS         EPA         04/09/2009         04/16/2009         05/11/2009           US         HIST FTTS         FIFRA/TSCA Tracking System Administrative Case Listing         Environmental Protection Agency         10/19/2006         03/01/2007         04/10/2007           US         HIST FTTS INSP         FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis         Environmental Protection Agency         10/19/2006         03/01/2007         04/10/2007           US         SSTS         Section 7 Tracking Systems         EPA         01/17/2023         01/18/2023         04/10/2007           US         ICIS         Integrated Compliance Information System         Environmental Protection Agency         11/18/2016         11/12/2016         02/10/2017           US         PADS         PCB Activity Database System         EPA         11/03/2022         01/04/2023         04/03/2023           US         MLTS         Material Licensing Tracking System         Nuclear Regulatory Commission         03/15/2023         03/21/2023         05/30/2023           US         RADINFO         Radiation Information Database         Environmental Protection Agency         07/01/2019         07/01/2019         07/01/2019         03/21/2023         03/24/2023	US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US         HIST FTTS INSP         FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis         Environmental Protection Agency         10/19/2006         03/01/2007         04/10/2007           US         SSTS         Section 7 Tracking Systems         EPA         01/17/2023         01/18/2023         04/19/2023           US         ICIS         Integrated Compliance Information System         Environmental Protection Agency         11/18/2016         11/23/2016         02/10/2017           US         PADS         PCB Activity Database System         EPA         11/03/2022         01/04/2023         04/03/2023           US         MLTS         Material Licensing Tracking System         Nuclear Regulatory Commission         03/15/2023         03/21/2023         05/30/2023           US         RADINFO         Radiation Information Database         Environmental Protection Agency         07/01/2019         07/01/2019         09/23/2019           US         FINDS         Facility Index System/Facility Registry System         EPA         02/02/2023         02/28/2023         03/24/2023           US         RAATS         RCRA Administrative Action Tracking System         EPA         04/17/1995         07/03/1995         08/07/1995           US         RMP         Risk Management Plans         Environmental Protection Agency	US	FTTS INSP		EPA	04/09/2009	04/16/2009	05/11/2009
US         HIST FTTS INSP         FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis         Environmental Protection Agency         10/19/2006         03/01/2007         04/10/2007           US         SSTS         Section 7 Tracking Systems         EPA         01/17/2023         01/18/2023         04/19/2023           US         ICIS         Integrated Compliance Information System         Environmental Protection Agency         11/18/2016         11/23/2016         02/10/2017           US         PADS         PCB Activity Database System         EPA         11/03/2022         01/04/2023         04/03/2023           US         MLTS         Material Licensing Tracking System         Nuclear Regulatory Commission         03/15/2023         03/21/2023         05/30/2023           US         RADINFO         Radiation Information Database         Environmental Protection Agency         07/01/2019         07/01/2019         09/23/2019           US         FINDS         Facility Index System/Facility Registry System         EPA         02/02/2023         02/28/2023         03/24/2023           US         RAATS         RCRA Administrative Action Tracking System         EPA         04/17/1995         07/03/1995         08/07/1995           US         RMP         Risk Management Plans         Environmental Protection Agency	US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US         ICIS         Integrated Compliance Information System         Environmental Protection Agency         11/18/2016         11/23/2016         02/10/2017           US         PADS         PCB Activity Database System         EPA         11/03/2022         01/04/2023         04/03/2023           US         MLTS         Material Licensing Tracking System         Nuclear Regulatory Commission         03/15/2023         03/21/2023         05/30/2023           US         RADINFO         Radiation Information Database         Environmental Protection Agency         07/01/2019         07/01/2019         09/23/2019           US         FINDS         Facility Index System/Facility Registry System         EPA         02/02/2023         02/28/2023         03/24/2023           US         RAATS         RCRA Administrative Action Tracking System         EPA         04/17/1995         07/03/1995         08/07/1995           US         RMP         Risk Management Plans         Environmental Protection Agency         04/27/2022         05/04/2022         05/10/2022	US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis		10/19/2006	03/01/2007	04/10/2007
US         PADS         PCB Activity Database System         EPA         11/03/2022         01/04/2023         04/03/2023           US         MLTS         Material Licensing Tracking System         Nuclear Regulatory Commission         03/15/2023         03/21/2023         05/30/2023           US         RADINFO         Radiation Information Database         Environmental Protection Agency         07/01/2019         07/01/2019         09/23/2019           US         FINDS         Facility Index System/Facility Registry System         EPA         02/02/2023         02/28/2023         03/24/2023           US         RAATS         RCRA Administrative Action Tracking System         EPA         04/17/1995         07/03/1995         08/07/1995           US         RMP         Risk Management Plans         Environmental Protection Agency         04/27/2022         05/04/2022         05/10/2022	US	SSTS	Section 7 Tracking Systems	EPA	01/17/2023	01/18/2023	04/19/2023
US         MLTS         Material Licensing Tracking System         Nuclear Regulatory Commission         03/15/2023         03/21/2023         05/30/2023           US         RADINFO         Radiation Information Database         Environmental Protection Agency         07/01/2019         07/01/2019         09/23/2019           US         FINDS         Facility Index System/Facility Registry System         EPA         02/02/2023         02/28/2023         03/24/2023           US         RAATS         RCRA Administrative Action Tracking System         EPA         04/17/1995         07/03/1995         08/07/1995           US         RMP         Risk Management Plans         Environmental Protection Agency         04/27/2022         05/04/2022         05/10/2022	US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US         MLTS         Material Licensing Tracking System         Nuclear Regulatory Commission         03/15/2023         03/21/2023         05/30/2023           US         RADINFO         Radiation Information Database         Environmental Protection Agency         07/01/2019         07/01/2019         09/23/2019           US         FINDS         Facility Index System/Facility Registry System         EPA         02/02/2023         02/28/2023         03/24/2023           US         RAATS         RCRA Administrative Action Tracking System         EPA         04/17/1995         07/03/1995         08/07/1995           US         RMP         Risk Management Plans         Environmental Protection Agency         04/27/2022         05/04/2022         05/10/2022	US	PADS			11/03/2022	01/04/2023	04/03/2023
US         FINDS         Facility Index System/Facility Registry System         EPA         02/02/2023         02/28/2023         03/24/2023           US         RAATS         RCRA Administrative Action Tracking System         EPA         04/17/1995         07/03/1995         08/07/1995           US         RMP         Risk Management Plans         Environmental Protection Agency         04/27/2022         05/04/2022         05/10/2022	US	MLTS		Nuclear Regulatory Commission	03/15/2023	03/21/2023	05/30/2023
US         RAATS         RCRA Administrative Action Tracking System         EPA         04/17/1995         07/03/1995         08/07/1995           US         RMP         Risk Management Plans         Environmental Protection Agency         04/27/2022         05/04/2022         05/10/2022	US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US RMP Risk Management Plans Environmental Protection Agency 04/27/2022 05/04/2022 05/10/2022	US	FINDS	Facility Index System/Facility Registry System	EPA	02/02/2023	02/28/2023	03/24/2023
	US			EPA	04/17/1995	07/03/1995	08/07/1995
IIS RDS - Bioppial Reporting System - EDA/NITIS - 43/34/3034 - 03/00/3033 - 03/30/3033	US		Risk Management Plans	Environmental Protection Agency	04/27/2022		05/10/2022
	US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US PWS Public Water System Data EPA 12/17/2013 01/09/2014 10/15/2014	US	PWS		EPA	12/17/2013		10/15/2014
US INDIAN RESERV Indian Reservations USGS 12/31/2014 07/14/2015 01/10/2017	US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/17/2023	03/17/2023	05/30/2023
NY	AIRS	Air Emissions Data	Department of Environmental Conservation	02/14/2023	02/15/2023	05/09/2023
NY	COAL ASH	Coal Ash Disposal Site Listing	Department of Environmental Conservation	03/22/2023	03/24/2023	06/07/2023
NY	DRYCLEANERS	Registered Drycleaners	Department of Environmental Conservation	03/06/2023	03/08/2023	05/25/2023
NY	PFAS 3	PFAS Environmental Site Remediation List	Department of Environmental Conservation	02/06/2023	02/07/2023	04/25/2023
NY	PFAS 2	New York State Inactive Landfill Initiative	Department of Environmental Conservation	11/14/2022	01/12/2023	01/23/2023
NY	E DESIGNATION	E DESIGNATION SITE LISTING	New York City Department of City Planning	10/27/2022	12/12/2022	03/07/2023
NY	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Conservation	12/21/2022	12/21/2022	03/13/2023
NY	Financial Assurance 2	Financial Assurance Information Listing	Department of Environmental Conservation	07/31/2021	01/05/2023	03/24/2023
NY	HIST SPILLS	SPILLS Database	Department of Environmental Conservation	01/01/2002	07/08/2005	07/14/2005
NY	HSWDS	Hazardous Substance Waste Disposal Site Inventory	Department of Environmental Conservation	01/01/2003	10/20/2006	11/30/2006
NY	LIENS	Spill Liens Information	Office of the State Comptroller	02/01/2023	02/02/2023	04/25/2023
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2019	10/29/2021	01/19/2022
NY	SPDES	State Pollutant Discharge Elimination System	Department of Environmental Conservation	10/20/2022	11/09/2022	01/30/2023
NY	SPILLS	Spills Information Database	Department of Environmental Conservation	02/06/2023	02/07/2023	02/09/2023
NY	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	11/02/2010	01/03/2013	03/07/2013
NY	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/14/2012	01/03/2013	02/12/2013
NY	UIC	Underground Injection Control Wells	Department of Environmental Conservation	02/26/2023	03/01/2023	05/19/2023
NY	VAPOR REOPENED	Vapor Intrusion Legacy Site List	Department of Environmenal Conservation	01/01/2022	02/08/2022	05/06/2022
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	03/30/2023	03/30/2023	04/07/2023
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	03/30/2023	03/30/2023	04/07/2023
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/13/2023	02/14/2023	04/19/2023
US	UXO	Unexploded Ordnance Sites	Department of Defense	11/09/2021	10/20/2022	01/10/2023
NY	NYC LEAD	Lead-based Paint Testing Results	New York City Department of Education	12/31/2022	02/01/2023	04/25/2023
NY		Recent Lead Paint Violations	New York City Department of Housing Preservat	01/30/2023	02/01/2023	04/25/2023
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	03/07/2023	03/07/2023	03/24/2023
NY	COOLING TOWERS	Registered Cooling Towers	Department of Health	01/03/2023	01/11/2023	03/24/2023
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	04/27/2023	04/27/2023	05/02/2023
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	03/30/2023	03/30/2023	05/02/2023
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	03/30/2023	03/30/2023	05/02/2023
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
NY	PFAS	PFAS Contamination Site Location Listing	Department of Environmental Conservation	01/16/2019	05/08/2019	06/24/2019
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	01/01/2023	01/04/2023	04/03/2023
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	02/23/2022	07/08/2022	11/08/2022
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	03/26/2023	03/28/2023	05/30/2023

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
HIS	TORICAL USE RECORDS					
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
NY	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Conservation		07/01/2013	12/30/2013
NY	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Conservation		07/01/2013	01/10/2014
00	INTV DECORDS					
NY	UNTY RECORDS AST - CORTLAND	Cartland County Storage Tank Linting	Cortland County Health Department	08/20/2019	08/20/2019	10/16/2019
		Cortland County Storage Tank Listing	·			
NY	UST - CORTLAND	Cortland County Storage Tank Listing	Cortland County Health Department	08/20/2019	08/20/2019	10/16/2019
NY	AST - NASSAU	Registered Tank Database	Nassau County Health Department	01/09/2017	01/11/2017	02/15/2017
NY	AST NCFM	Storage Tank Database	Nassau County Office of the Fire Marshal	02/15/2011	02/23/2011	03/29/2011
NY	TANKS NASSAU	Registered Tank Database in Nassau County	Nassau County Department of Health	01/09/2017	01/11/2017	02/15/2017
NY	UST - NASSAU	Registered Tank Database	Nassau County Health Department	01/09/2017	01/11/2017	02/15/2017
NY	UST NCFM	Storage Tank Database	Nassau County Office of the Fire Marshal	02/15/2011	02/23/2011	03/29/2011
NY	AST - ROCKLAND	Petroleum Bulk Storage Database	Rockland County Health Department	02/02/2017	03/17/2017	09/22/2017
NY	UST - ROCKLAND	Petroleum Bulk Storage Database	Rockland County Health Department	02/02/2017	03/17/2017	09/22/2017
NY	AST - SUFFOLK	Storage Tank Database	Suffolk County Department of Health Services	06/28/2018	12/06/2018	02/07/2019
NY	TANKS SUFFOLK	Storage Tank Database	Department of Health Services	06/28/2018	02/05/2019	03/08/2019
NY	UST - SUFFOLK	Storage Tank Database	Suffolk County Department of Health Services	06/28/2018	12/06/2018	02/07/2019
NY	AST - WESTCHESTER	Listing of Storage Tanks	Westchester County Department of Health	02/09/2023	02/16/2023	02/28/2023
NY	UST - WESTCHESTER	Listing of Storage Tanks	Westchester County Department of Health	02/09/2023	02/16/2023	02/28/2023
INI	OOT - WESTCHESTER	Listing of Storage Taliks	westonester County Department of Fleatth	02/03/2023	02/10/2023	02/20/2023

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# Appendix M Environmental Professional Qualifications

# Jason M. Brydges, P.E., MBA *Environmental Engineer*

#### **Education**

MBA Marketing, Management, and Negotiations SUNY at Buffalo 2005
MS Environmental Engineering and Science Clemson University 1998
BS Environmental Engineering Sciences University of Florida 1995

Mr. Brydges, who will serve as the ESA project manager and primary point of contact, has worked in the environmental engineering field for over 20 years performing a wide variety of environmental assessment, design, and remediation projects. He has been involved with or managed most of the firm's Brownfield projects and is advanced on tax credit/remedial option analysis for site specific needs. Throughout his career, Mr. Brydges has led project teams with increasing levels of responsibility. An overview of projects he has been involved with includes health physics applications; radioactive and hazardous materials remediation; contaminated media sampling design; waste transportation, storage, and disposal consulting; decontamination and decommissioning (D&D) operations design; contaminated site closure engineering; landfill and cover design and permitting; and groundwater, soils, and facility remediation design. As mentioned, he has managed several successful brownfield projects from application through certificate of completion and post remedial monitoring. Mr. Brydges has managed the environmental and civil site work services for dozens of ground mount solar arrays and other energy related projects.

# **Areas of Expertise**

Brownfield Program Site Assessment and Remediation Environmental Remediation Radioactive, Solid, and Hazardous Waste Management Health Physics Stormwater, Erosion and Sediment Control Design and Installation Business Development and Marketing Facility Decontamination and Decommissioning (D&D)

# **Selected Registration / Certification / Specialized Training**

2016: 40-hour HAZWOPER refresher

2015: NYSDEC Erosion and Sediment Control

2015: NCEES Record Completed

2014: 30-hour OSHA Construction Industry

2013: FEMA Training Certification

2013: NYSDOH Asbestos Project Designer Certification

2013: NYSDOT Enhancement Program & Federal Aid Highway Reimbursement Program

2012: Arsenic - Health and Remediation Applications

2012: Hazardous Materials Management

2011: Building Demolition and Environmental Remediation Planning and Execution

2010: AHA Heartsaver First Aid Program Certification

2009: New York State Stormwater Management Certification

2009: Construction Administration for Design Professionals

2002: Professional Engineer, New York, 079402

2001: Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)

1998: 40-hour HAZWOPER - initial/original course

