



N/SPDES Compliance Sampling Inspection Report

Clean Water of New York Waste Oil
Reprocessing and Storage Facility

Staten Island, NY

NY 020 0484

June 23, 2021

Report Prepared by:

Kathleen M. Foley, LSASD/MAB/MOS

Date: _____

Report Approved by:

Phil Cocuzza, Chief, MAB/MOS

Date: _____

OBJECTIVE

On June 23, 2021, at the request of USEPA Region 2's Enforcement and Compliance Assurance Division (ECAD), a National Pollutant Discharge Elimination System (NPDES) Compliance Sampling Inspection (CSI) was conducted at the Clean Water of New York Waste Oil Reprocessing and Storage facility on Staten Island, New York. The objective of the CSI was to gather information necessary to determine compliance with the requirements and limitations of its minor SPDES Permit No. NY 020 0484. EPA conducted a similar CSI October 2, 2018 which resulted in a number of parameter exceedances. The results of this June 23, 2021, CSI do not show any parameters in excess of their Permit; however, reporting limits for certain analytes are above the Permit limitations.

KEY PARTICIPANTSU.S. Environmental Protection Agency

Kathleen M. Foley, Lead Inspector, (732)321-6790 savino.kathleen@epa.gov

Robert Morrell, Geologist morrell.robert@epa.gov

Clean Water of New York, Inc. www.cwofny.com

Gary Scoppio, Director of Environmental Services (718)981-4600 gary@cwofny.com

Ralph Duca, Vice President, (718)981-4600 rduca@cwofny.com

Erik Richards, Operations Manager

FACILITY DESCRIPTIONGeneral Information

Clean Water of New York Waste Oil Reprocessing and Storage Facility, hereinafter referred to as CWNV, is located at 3249 Richmond Terrace on Staten Island's North shore and operates around-the-clock. The company employs 37 people on a daily basis and began operations in 1996. The facility is a waste oil reprocessing and storage facility and is categorized as Standard Industrial Classification (SIC) 7699 - Repair Services. The first item of information listed on the SPDES Permit is 'Industrial Code' – 7699. This does not accurately represent the operations and activities at this processing facility. According to EPA's ECHO database (screenshot below), their NAICS (in ICIS/NPDES) is 423930: Recyclable Material Merchant Wholesalers (which can be further indexed for Oil, Waste, Merchant Wholesalers). The Permit effective date is 08/01/18, was modified in 11/01/2019, and expires 07/31/23.

ICIS-NPDES	CWA	NY0200484	CLEAN WATER OF NEW YORK INC	3245 RICHMOND TERRACE, STATEN ISLAND, BOROUGH OF, NY 10303	Richmond County
RCRAInfo	RCRA	NY0000968545	CLEAN WATER OF NEW YORK INC	3249 RICHMOND TER, STATEN ISLAND, NY 10303-1309	Richmond County

Facility SIC Codes

System	Identifier	SIC Code	SIC Description
ICIS-NPDES	NY0200484	7699	Repair Services
NPDES	NY0200484	7699	Repair Services

Facility NAICS Codes

System	Identifier	NAICS Code	NAICS Description
ICIS-Air	NY0000002640100065	488330	Navigational Services to Shipping
ICIS-NPDES	NY0200484	423930	Recyclable Material Merchant Wholesalers

Process Information

CWNy is engaged in marine vessel and tank cleaning, water treatment and oil recycling, and receives a variety of oils from light oils to black oils generated from a myriad of sources. CWNy is primarily a marine-based vessel cleaning facility (plant), authorized by MARPOL to accept various material. The cleaning plant can provide vessels with a variety of cleaning services such as Butterworth, vacuum, ventilation, steam and other services, accommodating barges, tugs, work boats and other marine vessels. Oils can be received by barge, truck, drum or nearby rail. The non-hazardous oils include, but are not limited to, used automobile oils (lube, brake, transmission, gear, etc), fuel oils, industrial oils, non-PCB dielectric fluid and vegetable oils. These oils are aggregated (blended) in the on-site storage barges and processed for industrial reuse.

Petroleum-contaminated wastewaters and oils entering the CWNy facility are generated from various marine and land sources. Marine sources include cruise ships, cargo ships, barges, tugboats, and other marine vessels. Land sources include industrial, commercial, and residential sites, which arrive at the facility via trucks. The facility's trucking component, known as William J. Lauer, operates a fleet of vacuum tankers, pump and box trucks. Approximately one-third of the material arrives by trucks, on the average of 5-7 loads per day. In addition, CWNy is engaged in drum disposal whereby petroleum-contaminated liquids, solids, sludges and debris are accepted for appropriate processing. Liquids are treated in the facility, while the solids are consolidated and sent off-site for final disposal.

All waste streams entering the facility, regardless of their source, contain a petroleum component to be handled within the facility. Wastestreams are pre-approved through a profiling system to assure compliance with the facility's Quality Control Plan from its NYSDEC Part 360 Permit. Contaminated debris and wastewater from spills and remediation sites, at a minimum, undergo waste profiling to include flash point and halogen analysis, but depending on the source, e.g., contaminants of concern, PCBs, additional parameters may be requested.

According to the SPDES Permit Special Conditions, wastewater brought to the site must be in conformance with the requirements of the Part 360 Permit for the facility. This Part 360 Permit confines the operation to the acceptance and treatment of oily wastewater from the cleaning of virgin oil barges, bilge and/or ballast water, synthetic fuel, liquid asphalt, and used oil with the following waste codes: N001 – N008, N010, N013, N016 – N018. Processing of oily waters and waste oils occurs in batch processes.

Temporary storage of the liquids at the CWNy facility takes place on two US Coast Guard-certificated, double-hulled barges. Barge 1 has a capacity of approximately 3.5M gallons across ten (10) compartments, or "tanks" separated by internal bulkheads. This barge functions as a large manifold, providing a system of pipelines for pushing, pumping and sucking of the wastewater and includes a vacuum component. This barge is known as the CASABLANCA and all wastewaters initially are pumped to this vessel for manipulation. Barge 2 has a capacity of approximately 0.42M gallons across four (4) compartments, or "tanks". A third, smaller barge, Barge 3, is strictly a crane barge. Their office space, warehouse space and boilers for heating the oil for enhanced treatment are housed on the ECHOLS ship which is permanently docked at the site. The wastewater treatment building is on land.

Water and Wastewater

Wash water for the Butterworth process to clean the vessels is drawn from Newark Bay. After the cleaning process, the petroleum contaminated water is transferred onto one of the two storage barges. Once a sufficient quantity of wastewater has accumulated, it is separated using a series of steps within the barge, utilizing the principle that oil and water separate. Separation techniques include gravity, heat and/or use of demulsifiers. Cleaner wastewater is apportioned to certain sections while more heavily oiled or dirtier is apportioned to another area to minimize efficiencies and working.

The oil is aggregated in separate compartments for sale, and the separated waters are accumulated in other compartments for subsequent treatment in the chemically-enhanced, pH-adjusted dissolved air flotation (DAF) system.

Wastewater Treatment

The on-site wastewater treatment process is designed for a maximum of 250 gpm, typically operating on a batch schedule when a sufficient quantity of petroleum-contaminated water is accumulated on the storage vessels to run the treatment process. After the water is processed through the DAF system, it is run through one clay and two activated carbon units for final polishing. The water then travels through a flow meter prior to discharge. Figure 1 below, taken from current SPDES Permit, represents the water and wastewater flow schematics and treatment processes of the on-site wastewater treatment system. Solids generated from the wastewater treatment operation are sent to a landfill for disposal.

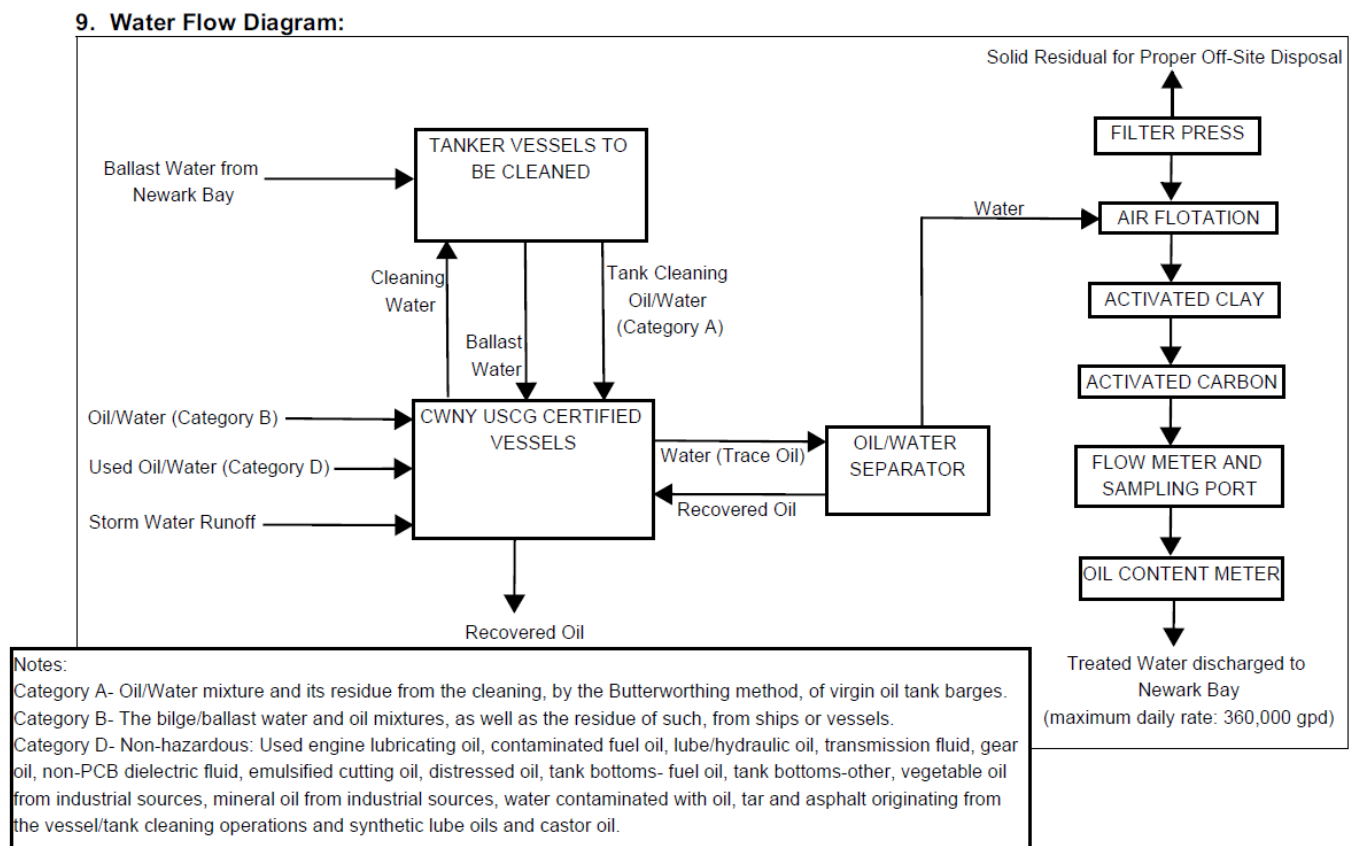


Figure 1: Water and Wastewater Processes Flow Schematic

Facility Self-Monitoring Information

The permittee collects composite samples using an automated composite sampler. Grab samples are collected from a designated sampling tap which draws from the effluent pipe being discharged through DSN 001. Grab-composites are collected similarly to the manner in which the EPA collected their samples. Samples other than chlorine and pH are sent to Long Island Analytical Laboratories, a NELAC certified facility. Preserved containers are provided by their contract laboratory.

EPA SAMPLING/INSPECTION ACTIVITIESSampling Activities

EPA discussed the approximate time frame for the facility's discharge prior to starting compliance sampling activities. It was estimated that the discharge would last approximately 8 hours. To determine appropriate preservation requirements and for permit compliance, the effluent was analyzed for total residual chlorine. This test resulted in an absence of chlorine residual.

EPA set up an iced, automated composite sampler which began collecting aliquots at 15 minute intervals starting at 0830 hours at the permitted sampling location for DSN 001. The composite sampler was stopped at 1630 hours. Samples collected from the 8-hour composite sample included metals, mercury, and total suspended solids. The plastic jug was previously rinsed with 5% nitric acid followed by three distilled/de-ionized water rinses.

Grab samples and grab-composite samples were collected from a sampling tap which pulls effluent off of the discharge line. Grab-composite (G-C) samples were collected for NVOA, i.e., semi-volatile/non-volatile organic analyses, and consisted of 4 grab samples during the 8-hour discharge period.

EPA performed a three-point calibration on their pH meter while on-site immediately preceding their pH sample collection. The grab sample for pH collected at 0900 hours resulted in 7.55 S.U. Other grab samples were collected for oil and grease, volatile organics (VOA) and PCBs.

All sample containers, preservation techniques and holding times were in accordance with US EPA requirements specified in 40 CFR Part 136.

Flow data was obtained directly from the facility's instrumentation. The discharge started at 0805 hours and ended at 1700 hours, resulting in a net discharge for the day of 46,688 gallons.

The facility representative declined the EPA offer for split samples.

Inspection Activities

Compliance Assistance was provided by EPA inspectors providing copies of the Federal Register of the 2021 MUR which lists EPA-approved methods for NPDES reporting as well as the required containers, preservatives and holding times.

EPA reviewed the data submitted for the previous four (4) months of DMRs. No issues were noted based upon those reviews.

EPA engaged in discussions with facility representatives on options of eliminating their SPDES discharge and instead, tying into the local POTW. Related discussions occurred on the various requirements of waste haulers and septage haulers, relaying the concern of the high scrutiny of this treatment process (hauler profiling) versus a seemingly less frequent sampling and profiling requirement on septage haulers.

ANALYTICAL RESULTS**Table 1: USEPA Sampling Results for CWNV Facility – June 23, 2021**

Parameter	Units	Permit Limit	EPA Result
pH	S.U.	6-9	7.55
Chlorine Residual, TRC	mg/L	0.13	0.00
Flow	Gallons	Monitor Daily Max / 0.36 Monthly Avg.	46,688
TSS	mg/L	74.1 Daily Max / 30.6 Monthly Avg	14
O/G	mg/L	15	< 6.10 U, J
NVOA (various)	mg/L	various	See Note Below
VOA (various)	mg/L	various	See Note Below
Arsenic	mg/L	0.15 Daily Max	0.012 J
Copper	mg/L	0.095 Daily Max	0.012 J
Tin	mg/L	0.335 Daily Max / 0.165 Monthly Avg.	0.137
Mercury	ng/L	50 Daily Max	< 50 U

U = analyte was not detected at or above the reporting limit.

J = The identification of the analyte is acceptable; the reported value is an estimate.

Tables 2 and 3 (below) are taken from the current SPDES Permit and contain the specific analytes and limitations details for reference.

Metals: All sampling results for metals resulted in undetected except the three listed in Table 1 (above): arsenic, copper, and tin.

NVOA: All sampling results for NVOA resulted in undetected. To be noted, for semi-volatile/non-volatile organic analyses (NVOA) via GCMS:

- The reporting level of 5.00 ug/L was raised to 10 ug/L for the analyte: Di-N-Octyl Phthalate
- The reporting level of 5.00 ug/L was raised to 30 ug/L for the analyte: 4,6-Dinitro-2-Methylphenol
- The reporting level of 5.00 ug/L was raised to 50 ug/L for the analyte: 2,4-Dinitrophenol

VOA: All sampling results for volatile organics (VOA) resulted in undetected; however, the reporting limit was raised to 50 ug/L (from the typical 5 ug/L) for all analytes. Thus, a compliance determination cannot be confirmed.

PCBs: All sampling results for PCBs resulted in undetected; however, the EPA laboratory reporting limit for most Aroclors is 33 ng/L, and 66 ng/L for Aroclor 1221. The permit limit is listed as 0.7 ng/L and a compliance limit of 200 ng/L. According to the PCB Minimization Program (PCBMP) requirement #1 of their permit, the goal of the PCBMP is to reduce PCB effluent levels in pursuit of the WQBEL of 0.01 ng/L for Total PCBs. The basis for the 200 ng/L per aroclor limit is the limitations of EPA Method 608.3 minimum level for Aroclors.

Table 2: Permit Limits, Levels and Monitoring (from page 3 of 13 SPDES Permit)**PERMIT LIMITS, LEVELS AND MONITORING**

OUTFALL	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
001	Oil Tanker Vessels Cleaning Water & Storm Water	Newark Bay	11/01/2019	07/31/2023

PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)
pH	6.0	9.0	SU	1/each batch discharge	Grab	

PARAMETER	EFFLUENT LIMIT or CALCULATED LEVEL		COMPLIANCE LEVEL/ ML	ACTION LEVEL	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg	Daily Max						
Flow	0.36	Monitor			MGD	Continuous	Recorder	
Oil & Grease	Monitor	15			mg/l	Weekly	Grab	
Total Suspended Solids (TSS)	30.6	74.1			mg/l	2x/month	24-hr. Composite	1
Total Residual Chlorine	Monitor	0.13			mg/l	2x/month	Grab	
Benzene	Monitor	0.005			mg/l	Weekly	Grab	
Chlorodibromomethane	Monitor	0.06			mg/l	Weekly	Grab	
Bromoform	Monitor	0.05			mg/l	Weekly	Grab	
Dichlorobromomethane	Monitor	0.06			mg/l	Weekly	Grab	
Ethylbenzene	Monitor	0.005			mg/l	Weekly	Grab	
Methylene Chloride	Monitor	0.05			mg/l	Weekly	Grab	
Toluene	Monitor	0.005			mg/l	Weekly	Grab	
Xylenes, Total	Monitor	0.015			mg/l	Weekly	Grab	
Copper, Total	Monitor	0.095			mg/l	2x/month	24-hr. Composite	1
Nickel, Total	Monitor	Monitor			mg/l	2x/month	24-hr. Composite	1
Chromium, Total	0.323	0.50			mg/l	2x/month	24-hr. Composite	1
Arsenic, Total	Monitor	0.15			mg/l	2x/month	24-hr. Composite	1
Cadmium, Total	0.010	0.017			mg/l	2x/month	24-hr. Composite	1
Lead, Total	0.17	0.35			mg/l	2x/month	24-hr. Composite	1
Zinc, Total	Monitor	0.95			mg/l	2x/month	24-hr. Composite	1
Mercury	Monitor	50			ng/l	Monthly	24-hr. Composite	1, 5
Cobalt, Total	18.8	56.4			mg/l	2x/month	24-hr. Composite	1
Tin, Total	0.165	0.335			mg/l	2x/month	24-hr. Composite	1
Tetrachloroethylene	Monitor	0.01			mg/l	Weekly	Grab	

Table 3: Permit Limits, Levels and Monitoring (from page 4 of 13 SPDES Permit)

Page 4 of 13

PARAMETER	EFFLUENT LIMIT or CALCULATED LEVEL		COMPLIANCE LEVEL/ ML	ACTION LEVEL	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg	Daily Max						
Trichloroethylene	Monitor	0.01			mg/l	Weekly	Grab	
1,1,1 Trichloroethane	Monitor	0.01			mg/l	Weekly	Grab	
Carbon Tetrachloride	Monitor	0.01			mg/l	Weekly	Grab	
Chlorobenzene	Monitor	0.01			mg/l	Weekly	Grab	
1,2-Ortho-Dichlorobenzene	Monitor	0.01			mg/l	Weekly	Grab	
1,1,2-Trichloroethane	Monitor	0.01			mg/l	Weekly	Grab	
Naphthalene	Monitor	0.01			mg/l	Weekly	24-hr. Composite	1, 2
Phenol	Monitor	0.05			mg/l	Weekly	24-hr. Composite	1, 2, 3
Trichlorofluoromethane	Monitor	0.01			mg/l	Weekly	Grab	
Di(2-ethylhexyl) phthalate	0.101	0.215			mg/l	Monthly	24-hr. Composite	1, 2
Butylbenzyl phthalate	0.0887	0.188			mg/l	Monthly	24-hr. Composite	1, 2
Carbazole	0.276	0.598			mg/l	Monthly	24-hr. Composite	1, 2
n-Decane	0.437	0.948			mg/l	Monthly	Grab	
Fluoranthene	0.0268	0.0537			mg/l	Monthly	24-hr. Composite	1, 2
n-Octadecane	0.302	0.589			mg/l	Monthly	Grab	
Aroclor -1016		0.7	200		ng/l	Monthly	Grab	4
Aroclor -1221		0.7	200		ng/l	Monthly	Grab	4
Aroclor -1232		0.7	200		ng/l	Monthly	Grab	4
Aroclor -1242		0.7	200		ng/l	Monthly	Grab	4
Aroclor -1248		0.7	200		ng/l	Monthly	Grab	4
Aroclor -1254		0.7	200		ng/l	Monthly	Grab	4
Aroclor -1260		0.7	200		ng/l	Monthly	Grab	4
Whole Effluent Toxicity (WET) Testing:								
WET – Acute Invertebrate				1.5	TUa	Quarterly	See footnote	6
WET - Acute Vertebrate				1.5	TUa	Quarterly	See footnote	6

Footnotes: See Page 5 of this Permit.

FINDINGS**Sampling Result Findings**

The EPA analytical results obtained during this inspection are within the acceptable SPDES Permit limits, however, reporting limits were raised for several analytes resulting in concentrations found undetected at levels above the SPDES permit limits. An authentic compliance determination cannot be made for those analytes with reporting limits above the permitted limits. Refer to the attached Laboratory Analytical Report and the previous section for additional details on the analytical results.

The EPA Region 2 Laboratory utilized EPA Method 245.1 for the mercury sample, rather than using the permit-required EPA method 1631E (under Footnote 5). In addition, since the reporting limit is equal to the permitted limit, a compliance determination cannot be confirmed.

Inspection Findings

In addition to the sampling, an inspection of the facility operations was conducted. Nothing was observed or noted during the inspection that contravened the requirements of the permit or the applicable regulations. Facility representatives noted that due to some data being mis-transcribed by the NYSDEC into the ECHO database, their compliance status was erroneously identified as non-compliant, i.e., in violation.

As noted in the introduction, the facility is a waste oil reprocessing and storage facility and is categorized as Standard Industrial Classification (SIC) 7699 - Repair Services on the SPDES Permit. During the next modification of the Permit, an alternate, more descriptive SIC should be utilized.

ATTACHMENTS

Photographs #1 and #2
Chain-of-Custody (1 p)
Laboratory Analytical Report (9 pp)



Photo 1: SPDES Discharge Hose – To Newark Bay



Photo 2: Close-Up of Discharge 001 to Newark Bay

US EPA REGION 2 LABORATORY
CHAIN OF CUSTODY/ FIELD DATA FORM

Page 1 of 1 pages

SURVEY NAME & LOCALITY CWNV Staten Island PROJECT LEADER Foley

PROGRAM: SF ☐ SITE ID _____ OPERABLE UNIT _____ PROGRAM RESULTS CODE _____

Decision _____ RCRA ☐ RCRA ENF ☐ NPDES ☒ SDWA ☐ AM ☐ CAA ☐ TSCA ☐ OD ☐ FIFRA ☐ CRIMINAL ENF ☐

Unit Code Y206 D210 D307 B304 C215 B324 A305 L306 B253

Permit # NY 020 0484

LAB ID	FIELD ID	CONTAINER	MATRIX	CHECK IF SPLIT SAMPLE	DESCRIPTION & INSTRUCTIONS INCLUDING LOCATION, ESTIMATED CONCENTRATIONS, SPECIAL REPORTING LIMITS.	Res CL Checked	Preservative (circle)	Collection Time (24hr clock)		Collection Date mm/dd/yy
								Begin	End	
0	CWNV 001 Grab	9	A	☐	40 ml vials for VOA	☐	012345678910	11:30	11:30	06/23/21
	VOA Field Blank	3	A	☐	" " " "	☐	012345678910	11:30	11:30	
	CWNV 001 Grab	3	A	☐	1 l Amber Glass for PCB's	☐	012345678910	11:30	11:30	
	" " "	3	A	☐	1 l Wm Glass for O/G (HEM)	☐	012345678910	11:30	11:30	
	CWNV 001 G-C	3	A	☐	1 l Amber Glass for NVOA	☐	012345678910	09:30	16:30	
	CWNV 001 Comp	1	A	☐	500 ml plastic for Metals/Mercury	☐	012345678910	08:30	16:30	
	" " "	1	A	☐	1 l plastic for TSS	☐	012345678910	08:30	16:30	
				☐		☐	012345678910			
				☐		☐	012345678910			
				☐		☐	012345678910			

COMMENTS & SPECIAL REQUIREMENTS:

Preservative Added & Checked

Time	Date
16:40	06/23/21
17:45	06/23/21

Person Assuming Responsibility for Sample(s): Kathleen M. Foley

Relinquished By: Kathleen M. Foley Received By: [Signature]

Relinquished By: _____ Received By: _____

Relinquished By: _____ Received By: _____

Survey Complete? Y ☒ N ☐

revised 10/25/2004

Figure 2: Chain-of-Custody for USEPA CSI of CWNV - June 23, 2021

(END OF 13-PAGE NARRATIVE REPORT)

Figure 3: EPA Analytical Laboratory Report
(appended to this document)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

**Region 2 Laboratory
2890 Woodbridge Avenue
Edison , New Jersey 08837
732-906-6886 Phone
732-906-6165 Fax**

August 23, 2021

Philip Cocuzza
Monitoring & Assessment Branch
LSASD/MAB
Edison, NJ 08837

RE: Clean Water of New York - 2106025

Enclosed are the results of analyses for samples received by the laboratory on 06/23/2021. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 2106025 and contact the laboratory.

Sincerely,

A handwritten signature in black ink, reading "Gregory J. Santacroce", is positioned above the typed name.

Gregory J. Santacroce
Acting Chief, LSASD/LB



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: Clean Water of New York - 2106025

Project Number: 2106025

Project Narrative:

The National Environmental Laboratory Accreditation Conference Institute (TNI) is a voluntary environmental laboratory accreditation association of State and Federal agencies. TNI established and promoted a National Environmental Laboratory Accreditation Program (NELAP) that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAP accredited. The Laboratory tests that are accredited have met all the requirements established under the TNI Standards.

Condition Comments

VOA analysis - due to foaming matrix, RL raised to 50 ug/L to facilitate analysis.

Comment(s):

The "Sample Analysis Date and Time" is included in the results section for any analyte with a prescribed holding time of 72 hours or less.

Qualifying Pentachlorophenol with "J" due to failing high in CCV. No hit detected in sample.

Data Qualifier(s):

- U- The analyte was not detected at or above the Reporting Limit.
- J- The identification of the analyte is acceptable; the reported value is an estimate.
- K- The identification of the analyte is acceptable; the reported value may be biased high.
- L- The identification of the analyte is acceptable; the reported value may be biased low.
- NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: Clean Water of New York - 2106025

Project Number: 2106025

Reporting Limit(s):

The Laboratory was able to achieve the standard laboratory reporting limits, where applicable, for each analyte requested except for the following analyte(s):

NVOA GCMS

The reporting level of 5.00 ug/L was raised to 10 ug/L for the following analyte(s):

Di-N-Octyl Phthalate

for the following samples:

2106025-03

The reporting level of 5.00 ug/L was raised to 30 ug/L for the following analyte(s):

4,6-Dinitro-2-Methylphenol

for the following samples:

2106025-03

The reporting level of 5.00 ug/L was raised to 50 ug/L for the following analyte(s):

2,4-Dinitrophenol

for the following samples:

2106025-03

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
CWNY 001 Grab	2106025-01	Aqueous	06/23/2021 11:30	06/23/2021 17:45
VOA Field Blank	2106025-02	Aqueous	06/23/2021 11:30	06/23/2021 17:45
CWNY 001 G-C	2106025-03	Aqueous	06/23/2021 16:30	06/23/2021 17:45
CWNY 001 Comp	2106025-04	Aqueous	06/23/2021 16:30	06/23/2021 17:45



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report
Project: Clean Water of New York - 2106025
Project Number: 2106025

SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
608.3 PCB Aroclors NPDES	EPA 608.3 SOP C-91 Rev 4.3	NELAP	Aqueous
624.1 VOA EPA-NPDES	EPA 624.1 SOP C-89 Rev 3.6	NELAP	Aqueous
625.1 SVOA NPDES	EPA 625.1 SOP C-90 Rev 3.8	NELAP	Aqueous
Mercury	EPA 245.1 SOP C-110 Rev 2.7	NELAP	Aqueous
Metals ICP TAL NPDES/DW	EPA 200.7 SOP C-109 Rev 3.6	NELAP	Aqueous
Oil & Grease	EPA 1664A SOP C-126 Rev 1.6	NELAP	Aqueous
Residue, Non-Filterable	SM 2540D SOP C-33 Rev 3.7	NELAP	Aqueous



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: Clean Water of New York - 2106025

Project Number: 2106025

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
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Field ID: CWNY 001 Grab

Sample ID: 2106025-01

VOA GCMS

Chloromethane	---	U	50.0	ug/L
Vinyl Chloride	---	U	50.0	ug/L
Bromomethane	---	U	50.0	ug/L
Chloroethane	---	U	50.0	ug/L
Trichlorofluoromethane	---	U	50.0	ug/L
1,1-Dichloroethene	---	U	50.0	ug/L
Methylene Chloride	---	U L	50.0	ug/L
Acrylonitrile	---	U	50.0	ug/L
trans-1,2-Dichloroethene	---	U	50.0	ug/L
1,1-Dichloroethane	---	U	50.0	ug/L
Chloroform	---	U	50.0	ug/L
1,1,1-Trichloroethane	---	U	50.0	ug/L
Carbon Tetrachloride	---	U	50.0	ug/L
1,2-Dichloroethane	---	U	50.0	ug/L
Benzene	---	U	50.0	ug/L
Trichloroethene	---	U L	50.0	ug/L
1,2-Dichloropropane	---	U L	50.0	ug/L
Bromodichloromethane	---	U	50.0	ug/L
cis-1,3-Dichloropropene	---	U L	50.0	ug/L
Toluene	---	U	50.0	ug/L
trans-1,3-Dichloropropene	---	U	50.0	ug/L
1,1,2-Trichloroethane	---	U	50.0	ug/L
Tetrachloroethene	---	U	50.0	ug/L
Dibromochloromethane	---	U	50.0	ug/L
Chlorobenzene	---	U	50.0	ug/L
Ethylbenzene	---	U	50.0	ug/L
Bromoform	---	U	50.0	ug/L
1,1,2,2-Tetrachloroethane	---	U	50.0	ug/L



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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
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Field ID: CWNY 001 Grab

Sample ID: 2106025-01

VOA GCMS

1,3-Dichlorobenzene	---	U	50.0	ug/L
1,4-Dichlorobenzene	---	U	50.0	ug/L
1,2-Dichlorobenzene	---	U	50.0	ug/L

PCB Aroclors GC

Aroclor 1016	---	U	0.033	ug/L
Aroclor 1221	---	U	0.066	ug/L
Aroclor 1232	---	U	0.033	ug/L
Aroclor 1242	---	U	0.033	ug/L
Aroclor 1248	---	U	0.033	ug/L
Aroclor 1254	---	U	0.033	ug/L
Aroclor 1260	---	U	0.033	ug/L

GC - Sanitary

Oil & Grease	---	U J	6.10	mg/L
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Field ID: VOA Field Blank

Sample ID: 2106025-02

VOA GCMS

Chloromethane	---	U	5.00	ug/L
Vinyl Chloride	---	U	5.00	ug/L
Bromomethane	---	U	5.00	ug/L
Chloroethane	---	U	5.00	ug/L
Trichlorofluoromethane	---	U	5.00	ug/L
1,1-Dichloroethene	---	U	5.00	ug/L
Methylene Chloride	---	U	5.00	ug/L
Acrylonitrile	---	U	5.00	ug/L
trans-1,2-Dichloroethene	---	U	5.00	ug/L
1,1-Dichloroethane	---	U	5.00	ug/L
Chloroform	---	U	5.00	ug/L
1,1,1-Trichloroethane	---	U	5.00	ug/L
Carbon Tetrachloride	---	U	5.00	ug/L



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Field ID: VOA Field Blank

Sample ID: 2106025-02

VOA GCMS

1,2-Dichloroethane	---	U	5.00	ug/L
Benzene	---	U	5.00	ug/L
Trichloroethene	---	U	5.00	ug/L
1,2-Dichloropropane	---	U	5.00	ug/L
Bromodichloromethane	---	U	5.00	ug/L
cis-1,3-Dichloropropene	---	U	5.00	ug/L
Toluene	---	U	5.00	ug/L
trans-1,3-Dichloropropene	---	U	5.00	ug/L
1,1,2-Trichloroethane	---	U	5.00	ug/L
Tetrachloroethene	---	U	5.00	ug/L
Dibromochloromethane	---	U	5.00	ug/L
Chlorobenzene	---	U	5.00	ug/L
Ethylbenzene	---	U	5.00	ug/L
Bromoform	---	U	5.00	ug/L
1,1,2,2-Tetrachloroethane	---	U	5.00	ug/L
1,3-Dichlorobenzene	---	U	5.00	ug/L
1,4-Dichlorobenzene	---	U	5.00	ug/L
1,2-Dichlorobenzene	---	U	5.00	ug/L

Field ID: CWNV 001 G-C

Sample ID: 2106025-03

NVOA GCMS

Acenaphthene	---	U L	5.26	ug/L
Acenaphthylene	---	U L	5.26	ug/L
Anthracene	---	U L	5.26	ug/L
Benzo(A)Anthracene	---	U	5.26	ug/L
Benzo(A)Pyrene	---	U	5.26	ug/L
Benzo(B)Fluoranthene	---	U	5.26	ug/L
Benzo(G,H,I)Perylene	---	U	5.26	ug/L
Benzo(K)Fluoranthene	---	U	5.26	ug/L



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Field ID: CWNV 001 G-C

Sample ID: 2106025-03

NVOA GCMS

Chrysene	---	U	5.26	ug/L
Dibenzo(A,H)Anthracene	---	U	5.26	ug/L
Fluoranthene	---	U L	5.26	ug/L
Fluorene	---	U L	5.26	ug/L
Indeno(1,2,3-Cd)Pyrene	---	U	5.26	ug/L
Naphthalene	---	U L	5.26	ug/L
Phenanthrene	---	U L	5.26	ug/L
1,2,4-Trichlorobenzene	---	U L	5.26	ug/L
2,4,6-Trichlorophenol	---	U L	5.26	ug/L
2,4-Dichlorophenol	---	U L	5.26	ug/L
2,4-Dimethylphenol	---	U J	5.26	ug/L
2,4-Dinitrotoluene	---	U L	5.26	ug/L
2,6-Dinitrotoluene	---	U L	5.26	ug/L
2,4-Dinitrophenol	---	U L	52.6	ug/L
2-Chloronaphthalene	---	U L	5.26	ug/L
2-Chlorophenol	---	U L	5.26	ug/L
2-Nitrophenol	---	U L	5.26	ug/L
3,3'- Dichlorobenzidine	---	U J	5.26	ug/L
4,6-Dinitro-2-Methylphenol	---	U	31.6	ug/L
4-Bromophenyl-Phenylether	---	U L	5.26	ug/L
4-Chloro-3-Methylphenol	---	U L	5.26	ug/L
4-Chlorophenyl-Phenylether	---	U L	5.26	ug/L
4-Nitrophenol	---	U	5.26	ug/L
Bis(-2-Chloroethoxy)Methane	---	U L	5.26	ug/L
Bis(2-Chloroethyl)Ether	---	U L	5.26	ug/L
Bis(2-Chloroisopropyl)Ether	---	U L	5.26	ug/L
Bis(2-Ethylhexyl)Phthalate	---	U	5.26	ug/L
Butylbenzylphthalate	---	U L	5.26	ug/L



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Field ID: CWNV 001 G-C

Sample ID: 2106025-03

NVOA GCMS

Azobenzene	---	U L	5.26	ug/L
Diethylphthalate	---	U L	5.26	ug/L
Dimethyl Phthalate	---	U L	5.26	ug/L
Di-N-Butyl Phthalate	---	U L	5.26	ug/L
Di-N-Octyl Phthalate	---	U	10.5	ug/L
Hexachlorobenzene	---	U L	5.26	ug/L
Hexachlorobutadiene	---	U L	5.26	ug/L
Hexachlorocyclopentadiene	---	U L	5.26	ug/L
Hexachloroethane	---	U L	5.26	ug/L
Isophorone	---	U L	5.26	ug/L
Nitrobenzene	---	U L	5.26	ug/L
N-Nitrosodimethylamine	---	U L	5.26	ug/L
N-Nitroso-Di-N-Propylamine	---	U L	5.26	ug/L
N-Nitrosodiphenylamine	---	U L	5.26	ug/L
Pentachlorophenol	---	U J	5.26	ug/L
Phenol	---	U L	5.26	ug/L
Pyrene	---	U L	5.26	ug/L

Field ID: CWNV 001 Comp

Sample ID: 2106025-04

Metals ICP

Arsenic	12.4	J	8.00	ug/L
Cadmium	---	U	3.00	ug/L
Chromium	---	U	5.00	ug/L
Cobalt	---	U	20.0	ug/L
Copper	11.7	J	10.0	ug/L
Lead	---	U	8.00	ug/L
Nickel	---	U	20.0	ug/L
Tin	137		10.0	ug/L
Zinc	---	U J	20.0	ug/L



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Field ID: CWNY 001 Comp

Sample ID: 2106025-04

Metals ICP

Mercury CVAA

Mercury	---	U	0.050	ug/L
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Sanitary

Residue, Non-Filterable	14.0		10.0	mg/L
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