Richard Vandenberg
Nuclear Support Services Manager
Harris Nuclear Plant
5413 Shearon Harris Road
New Hill, NC 27562-9300

June 30, 2022
Serial: RA-22-0213

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Shearon Harris Nuclear Power Plant, Unit 1
Docket No. 50-400/Renewed License No. NPF-63

Subject: Notification of Modification to Permit Application for Industrial Stormwater Activities

Ladies and Gentlemen:

In accordance with Section 3.2 of the Environmental Protection Plan (Nonradiological), issued as Appendix B to the Renewed Facility Operating License No. NPF-63 for the Shearon Harris Nuclear Power Plant, Unit 1, Duke Energy Progress, LLC (Duke Energy), is providing notification of a modification to the new National Pollutant Discharge Elimination System (NPDES) permit application for industrial stormwater activities dated February 24, 2021 (Agencywide Documents Access and Management System No. ML21063A495). A copy of the application modification is provided in the enclosure to this letter. The NPDES permit application modification has been submitted to the State of North Carolina permitting agency.

Please refer any questions regarding this submittal to Bob Wilson at (984) 229-2444.

Sincerely,

Richard Vandenberg

Enclosure: Industrial Stormwater Permit Application Package Modification – Form 2F Stormwater Sampling Event and Analytical Results

cc: C. Smith, NRC Resident Inspector, HNP
M. Mahoney, NRC Project Manager, HNP
NRC Regional Administrator, Region II

Document Control Desk
Serial: RA-22-0213
Enclosure

ENCLOSURE

INDUSTRIAL STORMWATER PERMIT APPLICATION PACKAGE MODIFICATION - FORM 2F STORMWATER SAMPLING EVENT AND ANALYTICAL RESULTS

DUKE ENERGY®
PROGRESS

Kim E. Maza
Vice President
Harris Nuclear Plant
5413 Shearon Harris Road
New Hill, NC 27562-9300

JUN 17, 2022

Serial RA-22-0198

Certified Mail Number: 7014 2120 0003 3196 6340
Return Receipt Requested

Mr. Brian Wrenn, Director
NC DEQ Division of Energy, Minerals and Land Resources
217 West Jones Street
Raleigh, NC 27603

Subject: NPDES Permit No. NCS000606
Duke Energy Progress, LLC
Shearon Harris Nuclear Plant
Industrial Stormwater Permit Application Package Modification
Form 2F Stormwater Sampling Event and Analytical Results
Wake County

Dear Mr. Wrenn:

Duke Energy Progress, LLC, Harris Nuclear Plant (HNP) submits the following NPDES permit application package modification for industrial stormwater activities previously covered by NPDES Permit Number NC0039586. The permit application package modification consists of the following updated documentation:

Enclosure 6 – US EPA Form 2F – Stormwater Discharges Associated with Industrial Activity

The update to Form 2F incorporates stormwater sampling as required by EPA Form 2F Section 7 for representative outfalls SW-003 & SW-006. Storm event sampling was conducted May 13, 2022, and Tables A through D have been updated accordingly. Due to misunderstandings associated with the difference between field parameter sampling timeframes and the samples to be collected within the first thirty minutes, the thirty minute samples were not collected. The short duration of the subject storm event analytical results (3 hours) should provide sufficient correlation between the flow-weight composite sample results and the anticipated results from thirty-minute grab samples.

The application modification information is also being transmitted electronically and via USPS to Ms. Brianna Young, Industrial Individual Permit Coordinator in the Central Office, and to Ms. Lauren Garcia, Environmental Specialist, in the Raleigh Regional Office.

Should you have questions concerning this permit application please contact Mr. Bob Wilson, HNP Site Environmental Field Support, by phone at 919-362-2444, or via e-mail at Bob.Wilson@duke-energy.com.

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Sincerely,

Kim E. Maza
Vice President
Duke Energy Progress, LLC
Harris Nuclear Plant

Enclosures

cc:

US Nuclear Regulatory Commission (electronic submission)

Certified Mail Number: 7014 2120 0003 3196 6364
Return Receipt Requested

Ms. Brianna Young, Stormwater Permitting, 1612 MSC, Raleigh, NC 27699-1612

Certified Mail Number: 7014 2120 0003 3196 6357
Return Receipt Requested

Ms. Lauren Garcia, Raleigh Regional Office, 3800 Barrett Drive, Raleigh, NC 27609

Industrial Stormwater Permit Application Package
RA-22-0198

bc: Della Allen
Brice Peters
Don Safrit
Bob Wilson
Chuck Yarley

Darlene Wallace
Nuclear Records

Enclosure
Duke Energy Progress, LLC
Shearon Harris Nuclear Plant
NPDES Permit No. NCS000606
Industrial Stormwater Permit Application Package Modification
Form 2F Stormwater Sampling Event and Analytical Results
Wake County
(21 pages including cover)

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
NCD991278284	NCS000606	Harris Nuclear Plant	

Form 2F NPDES

U.S Environmental Protection Agency
Application for NPDES Permit to Discharge Wastewater

STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY

SECTION 1. OUTFALL LOCATION (40 CFR 122.21(g)(1))

Outfall Location

1.1 Provide information on each of the facility's outfalls in the table below

Outfall Number	Receiving Water Name	Latitude	Longitude
	See Attachment 1	° ' "	° ' "
	(no changes from	° ' "	° ' "
	original submittal)	° ' "	° ' "
		° ' "	° ' "
		° ' "	° ' "
		° ' "	° ' "

SECTION 2. IMPROVEMENTS (40 CFR 122.21(g)(6))

Improvements

2.1 Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application?

☐ Yes ☑ No ➔ SKIP to Section 3.

2.2 Briefly identify each applicable project in the table below.

Brief Identification and Description of Project	Affected Outfalls (list outfall numbers)	Source(s) of Discharge	Final Compliance Dates	
			Required	Projected
NA				

2.3 Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or planned? (Optional Item)

☐ Yes ☑ No

SECTION 3. SITE DRAINAGE MAP (40 CFR 122.26(c)(1)(i)(A))

Site Drainage Map

3.1 Have you attached a site drainage map containing all required information to this application? (See instructions for specific guidance.)

☑ Yes ☐ No

SECTION 4. POLLUTANT SOURCES (40 CFR 122.26(c)(1)(i)(B))

Pollutant Sources

4.1 Provide information on the facility's pollutant sources in the table below.

Outfall Number	Impervious Surface Area (within a mile radius of the facility)		Total Surface Area Drained (within a mile radius of the facility)	
	See Attachment 3	*specify units*		*specify units*
	(no changes from	*specify units*		*specify units*
	original submittal)	*specify units*		*specify units*
		specify units		*specify units*
		specify units		*specify units*
		specify units		*specify units*

4.2 Provide a narrative description of the facility's significant material in the space below. (See instructions for content requirements.)

See Attachment 4

4.3 Provide the location and a description of existing structural and non-structural control measures to reduce pollutants in stormwater runoff. (See instructions for specific guidance.)

Stormwater Treatment		
Outfall Number	**Control Measures and Treatment**	**Codes from Exhibit 2F–1** (list)
	See Attachment 5 (no changes from original submittal)	

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
NCD991278284	NCS000606	Harris Nuclear Plant	

SECTION 5. NON STORMWATER DISCHARGES (40 CFR 122.26(c)(1)(i)(C))

Non-Stormwater Discharges

5.1 *I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-stormwater discharges. Moreover, I certify that the outfalls identified as having non-stormwater discharges are described in either an accompanying NPDES Form 2C, 2D, or 2E application.*

Name (print or type first and last name)	Official title
Kim Maza	Site Vice President
Signature	**Date signed**
Kim E. Maza	6-22-2022

5.2 Provide the testing information requested in the table below.

Outfall Number	Description of Testing Method Used	Date(s) of Testing	Onsite Drainage Points Directly Observed During Test

SECTION 6. SIGNIFICANT LEAKS OR SPILLS (40 CFR 122.26(c)(1)(i)(D))

Significant Leaks or Spills

6.1 Describe any significant leaks or spills of toxic or hazardous pollutants in the last three years.

Not Applicable

SECTION 7. DISCHARGE INFORMATION (40 CFR 122.26(c)(1)(i)(E))

Discharge Information

See the instructions to determine the pollutants and parameters you are required to monitor and, in turn, the tables you must complete. Not all applicants need to complete each table.

7.1 Is this a new source or new discharge?

☐ Yes ➔ See instructions regarding submission of *estimated* data. ☑ No ➔ See instructions regarding submission of *actual* data.

Tables A, B, C, and D

7.2 Have you completed Table A for each outfall?

☐ Yes ☑ No

Discharge Information Continued

7.3	Is the facility subject to an effluent limitation guideline (ELG) or effluent limitations in an NPDES permit for its process wastewater? ☑ Yes ☐ No ➔ SKIP to Item 7.5.
7.4	Have you completed Table B by providing quantitative data for those pollutants that are (1) limited either directly or indirectly in an ELG and/or (2) subject to effluent limitations in an NPDES permit for the facility's process wastewater? ☑ Yes ☐ No
7.5	Do you know or have reason to believe any pollutants in Exhibit 2F–2 are present in the discharge? ☑ Yes ☐ No ➔ SKIP to Item 7.7.
7.6	Have you listed all pollutants in Exhibit 2F–2 that you know or have reason to believe are present in the discharge and provided quantitative data or an explanation for those pollutants in Table C? ☑ Yes ☐ No
7.7	Do you qualify for a small business exemption under the criteria specified in the Instructions? ☐ Yes ➔SKIP to Item 7.18. ☑ No
7.8	Do you know or have reason to believe any pollutants in Exhibit 2F–3 are present in the discharge? ☑ Yes ☐ No ➔ SKIP to Item 7.10.
7.9	Have you listed all pollutants in Exhibit 2F–3 that you know or have reason to believe are present in the discharge in Table C? ☑ Yes ☐ No
7.10	Do you expect any of the pollutants in Exhibit 2F–3 to be discharged in concentrations of 10 ppb or greater? ☐ Yes ☑ No ➔ SKIP to Item 7.12.
7.11	Have you provided quantitative data in Table C for those pollutants in Exhibit 2F–3 that you expect to be discharged in concentrations of 10 ppb or greater? ☐ Yes ☐ No
7.12	Do you expect acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dinitrophenol to be discharged in concentrations of 100 ppb or greater? ☐ Yes ☑ No ➔ SKIP to Item 7.14.
7.13	Have you provided quantitative data in Table C for the pollutants identified in Item 7.12 that you expect to be discharged in concentrations of 100 ppb or greater? ☑ Yes ☐ No
7.14	Have you provided quantitative data or an explanation in Table C for pollutants you expect to be present in the discharge at concentrations less than 10 ppb (or less than 100 ppb for the pollutants identified in Item 7.12)? ☑ Yes ☐ No
7.15	Do you know or have reason to believe any pollutants in Exhibit 2F–4 are present in the discharge? ☐ Yes ☑ No ➔ SKIP to Item 7.17.
7.16	Have you listed pollutants in Exhibit 2F–4 that you know or believe to be present in the discharge and provided an explanation in Table C? ☑ Yes ☐ No
7.17	Have you provided information for the storm event(s) sampled in Table D? ☑ Yes ☐ No

Discharge Information Continued

Used or Manufactured Toxics

7.18 Is any pollutant listed on Exhibits 2F–2 through 2F–4 a substance or a component of a substance used or manufactured as an intermediate or final product or byproduct?

☐ Yes ☑ No ➔ SKIP to Section 8.

7.19 List the pollutants below, including TCDD if applicable.

1.	4.	7.
2.	5.	8.
3.	6.	9.

SECTION 8. BIOLOGICAL TOXICITY TESTING DATA (40 CFR 122.21(g)(11))

Biological Toxicity Testing Data

8.1 Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last three years?

☐ Yes ☑ No ➔ SKIP to Section 9.

8.2 Identify the tests and their purposes below.

Test(s)	Purpose of Test(s)	Submitted to NPDES Permitting Authority?	Date Submitted
		☐ Yes ☐ No	
		☐ Yes ☐ No	
		☐ Yes ☐ No	

SECTION 9. CONTRACT ANALYSIS INFORMATION (40 CFR 122.21(g)(12))

Contract Analysis Information

9.1 Were any of the analyses reported in Section 7 (on Tables A through C) performed by a contract laboratory or consulting firm?

☑ Yes ☐ No ➔ SKIP to Section 10.

9.2 Provide information for each contract laboratory or consulting firm below.

	Laboratory Number 1	Laboratory Number 2	Laboratory Number 3
Name of laboratory/firm	Duke Energy Carolinas, LLC Duke Energy Central Laboratory	Pace Analytical Services, LLC	
Laboratory address	13339 Hagers Ferry Road, Mail Code MG03A2 Huntersville, NC 28078	9800 Kincey Avenue, Suite 100 Huntersville, NC 28078	
Phone number	(980) 875-3111	(704) 875-9092	
Pollutant(s) analyzed			

SECTION 10. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement

10.1 In Column 1 below, mark the sections of Form 2F that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.

Column 1	Column 2
☑ Section 1	☑ w/ attachments (e.g., responses for additional outfalls)
☑ Section 2	☐ w/ attachments
☑ Section 3	☑ w/ site drainage map
☑ Section 4	☑ w/ attachments
☑ Section 5	☐ w/ attachments
☑ Section 6	☐ w/ attachments
☑ Section 7	☐ Table A ☐ w/ small business exemption request ☐ Table B ☐ w/ analytical results as an attachment ☐ Table C ☐ Table D
☑ Section 8	☐ w/attachments
☑ Section 9	☐ w/attachments (e.g., responses for additional contact laboratories or firms)
☑ Section 10	☐

10.2 **Certification Statement**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name (print or type first and last name)	Official title
Kim Maza	Site Vice President
Signature	**Date signed**
Kim E. Maza	6-22-2022

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
NCD991278284	NCS000606	Harris Nuclear Plant	SW-003

Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))[1]

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

	Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
		Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1.	Oil and grease	<4.8 mg/l				1	
2.	Biochemical oxygen demand (BOD_5)		2.3 mg/l			1	
3.	Chemical oxygen demand (COD)		<25.0 mg/l			1	
4.	Total suspended solids (TSS)		5.3 mg/l			1	
5.	Total phosphorus		0.062 mg/l			1	
6.	Total Kjeldahl nitrogen (TKN)		0.77 mg/l			1	
7.	Total nitrogen (as N)		1.4 mg/l			1	
8.	pH (minimum)	6.53				1	
	pH (maximum)	6.53				1	

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
NCD991278284	NCS000606	Harris Nuclear Plant	SW-003

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))[1]

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Fecal Coliform (# colonies/100 ml)	15,000 # CFU / 100 ml	XXXXXXXXXXXXXXXX			1	
Ammonia (NH3 as N)		<0.10 mg/l			1	
Copper (CU)		<0.005 mg/l			1	
Nickel (NI)		1.04 ug/l			1	
Zinc (ZN)		0.055 mg/l			1	
Chromium (CR)		1.46 ug/l			1	
Iron (FE)		0.309 mg/l			1	
Manganese (MN)		0.026 mg/l			1	
Total Residual Chlorine	<0.05 mg/l	XXXXXXXXXXXXXXXX			1	
Free Available Chlorine	<0.1 mg/l	XXXXXXXXXXXXXXXX			1	
Hydrazine	<10 ug/l	XXXXXXXXXXXXXXXX			1	
Temperature	19.6 C	XXXXXXXXXXXXXXXX			1	
Nitrate / Nitrite Nitrogen		0.62 mg/l			1	
Total Petroleum Hydrocarbons (TPH)	<4.8 mg/l	XXXXXXXXXXXXXXXX			1	

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))[1]

List each pollutant shown in Exhibits 2F–2, 2F–3, and 2F–4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	**Maximum Daily Discharge** (specify units)		**Average Daily Discharge** (specify units)		**Number of Storm Events Sampled**	**Source of Information** (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	**Flow-Weighted Composite**	**Grab Sample Taken During First 30 Minutes**	**Flow-Weighted Composite**		

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
05/13/2022	3 hours	0.25	>72 hours (~ 168 hrs)	Inoperable	Approximately 900 gallons

Provide a description of the method of flow measurement or estimate.

Flow measurement device for SW-003 was inoperable for sampling event however, flow measurement device for SW-006 was operable and rain event and sampling event was similar/identical for both SW-003 & SW-006 locations.

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
NCD991278284	NCS000606	Harris Nuclear Plant	SW-006

Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))[1]

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

	Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
		Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1.	Oil and grease	<4.8 mg/l				1	
2.	Biochemical oxygen demand (BOD_5)		<2.0 mg/l			1	
3.	Chemical oxygen demand (COD)		<25.0 mg/l			1	
4.	Total suspended solids (TSS)		7.9 mg/l			1	
5.	Total phosphorus		0.059 mg/l			1	
6.	Total Kjeldahl nitrogen (TKN)		0.85 mg/l			1	
7.	Total nitrogen (as N)		1.6 mg/l			1	
8.	pH (minimum)	7.2				1	
	pH (maximum)	7.2				1	

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))[1]

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Fecal Coliform (# colonies/100 ml)	108 # CFU / 100 ml	XXXXXXXXXXXXXXXX			1	
Ammonia (NH3 as N)		<0.10 mg/l			1	
Copper (CU)		<0.005 mg/l			1	
Nickel (NI)		<1.0 ug/l			1	
Zinc (ZN)		0.050 mg/l			1	
Chromium (CR)		<1.0 ug/l			1	
Iron (FE)		0.572 mg/l			1	
Manganese (MN)		0.036 mg/l			1	
Total Residual Chlorine	<0.05 mg/l	XXXXXXXXXXXXXXXX			1	
Free Available Chlorine	<0.1 mg/l	XXXXXXXXXXXXXXXX			1	
Hydrazine	<10 ug/l	XXXXXXXXXXXXXXXX			1	
Temperature	18.6 C	XXXXXXXXXXXXXXXX			1	
Nitrate / Nitrite Nitrogen		0.75 mg/l			1	
Total Petroleum Hydrocarbons (TPH)	<4.8 mg/l	XXXXXXXXXXXXXXXX			1	

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))[1]

List each pollutant shown in Exhibits 2F–2, 2F–3, and 2F–4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	**Maximum Daily Discharge** (specify units)		**Average Daily Discharge** (specify units)		**Number of Storm Events Sampled**	**Source of Information** (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	**Flow-Weighted Composite**	**Grab Sample Taken During First 30 Minutes**	**Flow-Weighted Composite**		

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
05/13/2022	3 hours	0.25	> 72 hours (~ 168 hrs)	5-7 gpm	900 gallons

Provide a description of the method of flow measurement or estimate.

ISCO flow-weighted composite sampler and associated in-pipe / manhole ultrasonic flow measuring components.