NPDES Permit Tracking No.:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

Annual Reporting Form

A. GENERAL INFORMATION

1. Facility Name: Cox Creek WRF

2. NPDES Permit Tracking No.: MD-0021661

3. Facility Physical Address:

a. Street: 8866 Wagner Station Road

b. City: Curtis Bay c. State: MD d. Zip Code: 21226-

4. Lead Inspectors Name: JEROME NAPOLEON Title: TEAM MANAGER

Additional Inspectors Name(s):

5. Contact Person: JEROME NAPOLEON Title: TEAM MANAGER

Phone: 410-224-6060 Ext. E-mail: jnapoleon2@baltimorecountymd.gov

6. Inspection Date: 12/12/2016

B. GENERAL INSPECTION FINDINGS

1. As part of this comprehensive site inspection, did you inspect all potential pollutant sources, including areas where industrial activity may be exposed to stormwater?
☒ YES ☐ NO

If NO, describe why not: NOTE: Cox Creek WRF under Construction For
1) ENR phase II - (Membrane facility)
2) NON-ENR upgrades

NOTE: *Complete Section C of this form for each industrial activity area inspected and included in your SWPPP or as newly identified in B.2 or B.3 below where pollutants may be exposed to stormwater.*

2. Did this inspection identify any stormwater or non-stormwater outfalls not previously identified in your SWPPP? ☐ YES ☒ NO

If YES, for each location, describe the sources of those stormwater and non-stormwater discharges and any associated control measures in place:

NOTE: 1) Several outfalls diminated Due to Construction
2) Several New Discharges under Construction

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C. INDUSTRIAL ACTIVITY AREA SPECIFIC FINDINGS

Complete one block for each industrial activity area where pollutants may be exposed to stormwater. Copy this page for additional industrial activity areas.

In reviewing each area, you should consider:

- Industrial materials, residue, or trash that may have or could come into contact with stormwater;
- Leaks or spills from industrial equipment, drums, tanks, and other containers;
- Offsite tracking of industrial or waste materials from areas of no exposure to exposed areas; and
- Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas.

INDUSTRIAL ACTIVITY AREA A : Biosolids Handling Building

1. Brief Description: Rain water/Run off capture in Catch Basin, Catch Basin Drain to Secondary Return Building Drain, W/W is process Back To Primary Clarifier

2. Are any control measures in need of maintenance or repair? ☐ YES ☐ NO

3. Have any control measures failed and require replacement? ☐ YES ☐ NO

4. Are any additional/revised control measures necessary in this area? ☐ YES ☑ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA B : Generators

1. Brief Description: 4 Generators on site
1) Headworks 2) Membrane Facility
3) Admin Building (R) 4) Maintenance BLDG.

2. Are any control measures in need of maintenance or repair? ☐ YES ☑ NO NOTE: Two small Generators

3. Have any control measures failed and require replacement? ☐ YES ☐ NO Removed from site under

4. Are any additional/revised c necessary in this area? ☐ YES ☑ NO EMR Contract.

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA C : Electrical Transformers

Brief Description: Four Stations
1) Admin Building (R) 2) Membrane Building (New) 3) Admin Building (R)(New) 4) Maintenance Bldg.

2. Are any control measures in need of maintenance or repair? ☐ YES ☑ NO NOTE: NOT All power

3. Have any control measures failed and require replacement? ☐ YES ☑ NO Transfer To New

4. Are any additional/revised BMPs necessary in this area? ☐ YES ☐ NO Stations -

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

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INDUSTRIAL ACTIVITY AREA G: Maintenance Building

1. Brief Description: Two Rain Gardens at Maintenance Building

2. Are any control measures in need of maintenance or repair? ☐ YES ☑ NO

3. Have any control measures failed and require replacement? ☐ YES ☑ NO

4. Are any additional/revised BMPs necessary in this area? ☐ YES ☑ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA H: Administration Building

1. Brief Description: Some Catch Basin cover over Due to Construction Activities in Area.

2. Are any control measures in need of maintenance or repair? ☐ YES ☑ NO

3. Have any control measures failed and require replacement? ☐ YES ☑ NO

4. Are any additional/revised BMPs necessary in this area? ☐ YES ☑ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA I: Chlorine Storage Area

1. Brief Description: Chemicals stored (Cl_2) inside Building. Area under construction New Hypo Building (Not Active)

2. Are any control measures in need of maintenance or repair? ☐ YES ☑ NO

3. Have any control measures failed and require replacement? ☐ YES ☑ NO

4. Are any additional/revised BMPs necessary in this area? ☐ YES ☑ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

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INDUSTRIAL ACTIVITY AREA M: Clarifiers

1. Brief Description: All in Service

2. Are any control measures in need of maintenance or repair? ☐ YES ☑ NO
3. Have any control measures failed and require replacement? ☐ YES ☑ NO
4. Are any additional/revised BMPs necessary in this area? ☐ YES ☑ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA N: Aeration Tanks

1. Brief Description: Basin #1 & #2 Os for Retrofit

2. Are any control measures in need of maintenance or repair? ☐ YES ☑ NO
3. Have any control measures failed and require replacement? ☐ YES ☑ NO
4. Are any additional/revised BMPs necessary in this area? ☐ YES ☑ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA O: Septage Receiving

1. Brief Description: Stormwater & Septic Truck spills Process at site, NO Discharge

2. Are any control measures in need of maintenance or repair? ☐ YES ☑ NO
3. Have any control measures failed and require replacement? ☐ YES ☑ NO
4. Are any additional/revised BMPs necessary in this area? ☐ YES ☑ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

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INDUSTRIAL ACTIVITY AREA S : Grit Receiving Station

1. Brief Description: Grit Receiving Station Demoed to Make Room for Membrane Building

2. Are any control measures in need of maintenance or repair? ☐ YES ☑ NO

3. Have any control measures failed and require replacement? ☐ YES ☑ NO

4. Are any additional/revised BMPs necessary in this area? ☐ YES ☑ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA T :Grease & Scum Receiving Station

1. Brief Description: Old System Demoed to Make Room for Scum Building Modifications (New wet well & Equipment)

2. Are any control measures in need of maintenance or repair? ☐ YES ☑ NO

3. Have any control measures failed and require replacement? ☐ YES ☑ NO

4. Are any additional/revised BMPs necessary in this area? ☐ YES ☑ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA U : Sludge Pump Station

1. Brief Description: Equipment O/S.

2. Are any control measures in need of maintenance or repair? ☐ YES ☑ NO

3. Have any control measures failed and require replacement? ☐ YES ☑ NO

4. Are any additional/revised BMPs necessary in this area? ☐ YES ☑ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

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E. ANNUAL REPORT CERTIFICATION

1. Compliance Certification

Do you certify that your annual inspection has met the requirements of Part 4.2 of the permit, and that, based upon the results of this inspection, to the best of your knowledge, you are in compliance with the permit? ☑ YES ☐ NO

If NO, summarize why you are not in compliance with the permit:

2. Annual Report Certification

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 gathered and evaluated 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.

Authorized Representative Printed Name: [illegible] Title: Team Manager

Signature: [signature] Date Signed: 12/12/16

BN

Annual Facility Comprehensive Site Compliance Evaluation

Date	Location	Potential Pollutants / Source	BMP	Changes Since Last Inspection	BMP Effective? (Y/N)
9-7-17	Drainage Area I	Sediment / Storm water runoff	SW Management Area	E+S device for dewatering cont.	Y
	Drainage Area I	Sediment / Storm water runoff	Vegetated swale		
	Drainage Area I	Sediment / Clarifiers	Overflow channels on inside of concrete walls		
	Drainage Area I & II	Sediment / Oxidation Basin	Overflow channels on inside of concrete walls		
	Drainage Area I	Sediment / Grit Removal Building	Trench drain		
	Drainage Area I, II & III	Sediment / Vehicular traffic	Material tracked onto paved areas is removed as soon as practical.	Areas repaved.	
	Drainage Area I, II & III	Sediment / Litter	Litter is picked up promptly and disposed of properly.		
	Drainage Area I, II & III	Sediment, caustics, fuel and biosolids / Outdoor material handling	Employees are trained in proper transfer techniques		
	Drainage Area II	Sediment / Abandoned clarifiers	Concrete walls let water out, sediment stays in clarifiers		
	Drainage Area II	Sediment / Maintenance Garage	Trench drain		
	Drainage Area II	Caustic and Fuel / Material Unloading Stations	Pipe bollards		
	Drainage Area II	Sediment, caustics, and fuel / Material spills during transfer	Spill response equipment is kept at the Chemical Building and at the Influent Pump building	Spill Kits in place.	
	Drainage Area II	Sediment / Influent Pumping Station Screenings	Material tracked onto paved areas is removed as soon as practical.		
	Drainage Area II	Oil/Electrical Transformer	Bi-weekly inspections of the electrical transformer pad for evidence of spills or leaks		
	Drainage Area II	Generator Units with Integral Self-Contained Diesel Fuel Storage	Bi-weekly inspections of the diesel fuel storage tank containment area to verify that the drainage pipe is capped		
	Drainage Area II	Generator Units with Integral Self-Contained Diesel Fuel Storage	The containment structure has sufficient volume to hold the contents of the fuel tank.		

Performed by WwPaul Jamar

Annual Facility Comprehensive Site Compliance Evaluation

Date	Location	Potential Pollutants / Source	BMP	Changes Since Last Inspection	BMP Effective? (Y/N)
9-7-17	Drainage Area II	Generator Units with Integral Self-Contained Diesel Fuel Storage	Bi-weekly inspections of the diesel fuel storage tank containment area for evidence or spills or leaks		Y
	Drainage Area II	Caustic / Chemical Storage Tank	The containment structure can contain a spill or release. It is designed to hold the full contents of any of the chemical storage tanks.		
	Drainage Area II	Caustic / Chemical Storage Tank	The containment area has drains that allow accumulated water to be directed into the treatment works.		
	Drainage Area II and III	Caustics, fuel and biosolids / Outdoor material transfer	Material deliveries are scheduled for times when facility personnel are available to supervise the delivery		
	Drainage Area II and III	Caustics, fuel and biosolids / Outdoor material transfer	Prior to material transfer, all hoses, valves, and fittings are checked to ensure that they are leak free		
	Drainage Area II & III	Caustics, fuel and biosolids / Outdoor material transfer	Good housekeeping - Spills that occur during material transfer are cleaned up promptly		
	Drainage Area II & III	Caustics, fuel and biosolids / Outdoor material storage	Storage containers are inspected to ensure they are in good working order.		
	Drainage Area II &III	Sediment / Gravity Sludge Thickeners	Overflow channels on inside of concrete walls		

Annual Facility Comprehensive Site Compliance Evaluation

Date	Location	Potential Pollutants / Source	BMP	Changes Since Last Inspection	BMP Effective? (Y/N)
9-7-17	Drainage Area III	Solids / Outdoor Material Storage	Storage silo and pneumatic conveyance of material		Y
	Drainage Area III	Lime & biosolids / Outdoor material storage and transfer	Spill response equipment is kept at the dewatering/lime-stabilization building		
	Drainage Area III	Lime & biosolids / Outdoor material storage and transfer	Bi-weekly inspections of material storage areas for evidence of spills or leaks	Remind contractor to keep areas clean.	
	Drainage Area III	Biosolids / Outdoor material transfer	Bi-weekly inspections of drain inlet grate to verify that no debris is present		
	Drainage Area III	Lime / Outdoor material storage	Chemical management system so supplies arrive as needed.		
	Drainage Area III	Lime and sediment/storm water runoff	Vegetated swale		
	Drainage Area III	Lime and sediment/storm water runoff	Detention wetland		
	Drainage Area III	Biosolids / Outdoor material transfer	Drain to direct water back to facility for treatment		
	Drainage Area III	Lime & biosoilds / Material handling and transfer	Curbing to contain spills, drain to direct water back to headworks		
	Drainage Area III	Denitrification Facility	Drain to direct water to the headworks in case of a spill.		
	Drainage Area III	Methanol Facility	Drain to direct water to the headworks in case of a spill.		

Performed by Wm Paul Jamar

Annual Facility Comprehensive Site Compliance Evaluation

Date	Location	Potential Pollutants / Source	BMP	Changes Since Last Inspection	BMP Effective? (Y/N)
9-7-17	Drainage Area IV	Solids / Outdoor Material Storage	Storage silo and pneumatic conveyance of material	New facility under const.	Y
	Drainage Area IV	Lime & biosolids / Outdoor material storage and transfer	Spill response equipment is kept at the dewatering/lime-stabilization building		
	Drainage Area IV	Lime & biosolids / Outdoor material storage and transfer	Bi-weekly inspections of material storage areas for evidence of spills or leaks		
	Drainage Area IV	Biosolids / Outdoor material transfer	Bi-weekly inspections of drain inlet grate to verify that no debris is present		
	Drainage Area IV	Lime / Outdoor material storage	Chemical management system so supplies arrive as needed.		
	Drainage Area IV	Lime and sediment/storm water runoff	Drain to direct water back to Headworks facility for treatment.		
	Drainage Area IV	Biosolids / Outdoor material transfer	Drain to direct water back to facility for treatment		
	Drainage Area IV	Lime & biosoilds / Material handling and transfer	Curbing to contain spills, drain to direct water back to headworks		