pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0087891**
Facility Type	**Storm Water**	APS ID	**474179**
Major / Minor	**Minor**	Authorization ID	**1223171**

NPDES PERMIT FACT SHEET INDIVIDUAL INDUSTRIAL WASTE (IW) AND IW STORMWATER

Applicant and Facility Information

Applicant Name	**Growmark FS LLC**	Facility Name	**Growmark FS LLC**
Applicant Address	PO Box 2500 1701 Towanda Avenue	Facility Address	3150 Stoney Point Road
	Bloomington, IL 61702-2500		East Berlin, PA 17316-9654
Applicant Contact	Randy Tomic	Facility Contact	Ronald Fetrow
Applicant Phone	(309) 557-6727	Facility Phone	(717) 259-9573
Client ID	205346	Site ID	488562
SIC Code	5191	Municipality	Latimore Township
SIC Description	Wholesale Trade - Farm Supplies	County	Adams
Date Application Received	April 2, 2018	EPA Waived?	Yes
Date Application Accepted	April 20, 2018	If No, Reason	

Purpose of Application: Renewal of permit to discharge stormwater associated with industrial activity.

Summary of Review

This is a renewal for a NPDES individual permit to discharge stormwater from a bulk fertilizer mixing and distribution site located in Latimore Township, Adams County. See Figures 1 and 2 for site location and layout.

The facility does not have a SIC code that requires an NPDES permit for discharges of stormwater associated with industrial activity. Due to the site's history of contamination issues, mainly from spills in the 1980s by the previous occupant, DEP required an individual permit for stormwater discharges. Alachlor and Atrazine are the primary pollutants of concern, each having EPA designated maximum contaminant levels (MCLs). DEP responded to comments on the draft permit for the previous renewal, sent 2/28/13, that indicated that the permit would be re-evaluated during this term to determine if the individual permit can be changed back to a general permit. Since Alachlor and Atrazine concentrations have remained near or above MCLs, and since other sample parameter concentrations have had high values, the permit will remain an individual permit for this upcoming term.

Currently, the facility is covered under NPDES Permit No. PA0087891, which expired on March 31, 2018. The renewal application was received late on April 2, 2018. An administrative extension letter was sent on April 20, 2018.

The facility has three outfalls, Outfalls 001, 002, and 003, that discharge to a dry swale, eventually leading to Mud Run (WWF, MF), a tributary to Bermudian Creek. Outfall 001 receives stormwater runoff from covered and contained areas of bulk agricultural products. Outfall 002 receives stormwater runoff from covered and contained areas of bulk agricultural products and rock salt. Outfall 003 receives stormwater from building roof drains.

A clay-lined tertiary containment pond is located at the northern edge of the site and can be used in the event of a catastrophic spill.

Approve	Deny	Signatures	Date
X		/s/ Jacob S. Rakowsky, EIT / Environmental Engineering Specialist	4/1/20
X		/s/ Scott M. Arwood, P.E. / Environmental Engineer Manager	3/31/20

Summary of Review

Part C permit conditions require semiannual site inspections as well as implementation of BMPs and implementation of the facility PPC plan. Given the BMPs in place, the discharge is not expected to have any measurable effect on the water quality of the receiving stream. There are no open violations for the client that would warrant withholding the issuance of this permit.

EPA waiver is in effect.

The PPC/SPCC Plan was last updated in November 2011. The application indicated that the plans were currently being revised.

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0
Latitude	39º 59' 56"	Longitude	-77º 01' 47"
Wastewater Description:	Stormwater associated with industrial activity.		
Receiving Waters	Drainage Swale to Mud Run (WWF, MF)	Stream Code	
NHD Com ID	57468677	RMI	0.27
Drainage Area	0.04 sq. mi.	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0.000273	Q_{7-10} Basis	StreamStats
Watershed No.	7-F	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Not Assessed		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Wrightsville Water Supply Co.		
PWS Waters	Susquehanna River	Flow at Intake (cfs)	
PWS RMI	28.51	Distance from Outfall (mi)	50.74

Other Comments:

Outfall 001 is approximately 100 feet from the drainage swale. Secondary water is Mud Run (Stream Code 08622) at RMI 4.34.

Drainage Area: 16,510 sq ft

% Impervious: 100

Description of Materials / Activities in Drainage Area Exposed to Precipitation: Transportation and management of agricultural products for distribution, chemicals used as part of facility's processes.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater: Secondary containment for bulk storage; daily housekeeping; loading, unloading, and material storage under roof; cleaning field vehicles in an enclosed wash bay where rinse water is contained and used for farm field applications; routine tank inspections; initial and refresher employee training in areas of materials handling, site housekeeping, application truck housekeeping, and safety.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	0
Latitude	39º 59' 56"	Longitude	-77º 01' 48"
Wastewater Description:	Stormwater		
Receiving Waters	Drainage swale to Mud Run (WWF,MF)	Stream Code	
NHD Com ID		RMI	0.23
Drainage Area	0.04 sq. mi.	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0.000273	Q_{7-10} Basis	StreamStats
Watershed No.	7-F	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Not Assessed		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Wrightsville Water Supply Co.		
PWS Waters	Susquehanna River	Flow at Intake (cfs)	
PWS RMI	28.51	Distance from Outfall (mi)	50.74

Other Comments:

Outfall 002 is approximately 200 feet from the drainage swale. Secondary water is Mud Run (Stream Code 08622) at RMI 4.34.

Drainage Area: 28,823 sq ft

% Impervious: 100

Description of Materials / Activities in Drainage Area Exposed to Precipitation: Transportation and management of agricultural products and rock salt for ice melt for distribution, chemicals used as part of facility's processes.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater: Daily housekeeping; loading, unloading, and material storage under roof; routine tank inspections; initial and refresher employee training in areas of materials handling, site housekeeping, application truck housekeeping, and safety.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	003	Design Flow (MGD)	0
Latitude	39º 59' 53"	Longitude	-77º 01' 46"
Wastewater Description:	Stormwater associated with industrial activity.		
Receiving Waters	Drainage swale to Mud Run (WWF,MF)	Stream Code	
NHD Com ID		RMI	0.24
Drainage Area	0.04 sq. mi.	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0.000273	Q_{7-10} Basis	StreamStats
Watershed No.	7-F	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Receiving Waters	Drainage swale to Mud Run (WWF,MF)	Stream Code	
Assessment Status	Not Assessed		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Wrightsville Water Supply Co.		
PWS Waters	Susquehanna River	Flow at Intake (cfs)	
PWS RMI	28.51	Distance from Outfall (mi)	50.33

Other Comments:

Outfall 003 is approximately 600 feet from the drainage swale. Secondary water is Mud Run (Stream Code 08622) at RMI 4.16.

Drainage Area: 12,454 sq ft

% Impervious: 100

Description of Materials / Activities in Drainage Area Exposed to Precipitation: Roof drains from Lawn Plant building

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater: None, receives water from roof drains.

Compliance History	
Summary of DMRs:	DMR data can be found in Table 1 and Attachment 1.
Summary of Inspections:	The facility was inspected on 2/26/16. No violations noted.

Other Comments: An NOV was issued on 10/28/17 for a failure to submit a timely permit renewal application. The violation has since been closed. There are no open violations for this facility.

Proposed Effluent Limitations and Monitoring Requirements

EPA's MCLs for drinking water were used as a general guidance in order to examine the effluent concentrations reported on DMRs for Alachlor and Atrazine. The MCL for Alachlor is 0.002 mg/L and the MCL for Atrazine is 0.003 mg/L.

DMR data was analyzed beginning from the effective date of the previous permit (April 1, 2013) through March 17, 2020. A summary of the data can be found in Table 1 below.

Table 1. Summary of DMR Data from 4/1/13 through 3/17/20

Parameter		001	002	003
Alachlor* (mg/L)	**Min**	0.0010	0.0009	Sampling not required
	Max	0.1900	0.9300	
	Avg	0.0627	0.1074	
Atrazine* (mg/L)	**Min**	0.0010	0.0009	Sampling not required
	Max	0.1020	5.0000	
	Avg	0.0314	0.4273	
pH (S.U.)	**Min**	6.48	6.42	6.17
	Max	8.09	8.71	9.03
	Avg	7.17	7.45	7.11
TN (mg/L)	**Min**	1.80	1.5	1.9
	Max	188.0	108.0	195.0
	Avg	84.9	35.4	38.9
TP (mg/L)	**Min**	0.8	0.5	0.1
	Max	25.5	9.5	0.6
	Avg	7.0	2.3	0.3
TSS (mg/L)	**Min**	5.0	15.0	5.0
	Max	506.0	1830.0	52.0
	Avg	108.0	233.4	16.1

***** Alachlor: EPA MCL of 0.002 mg/L
Atrazine: EPA MCL of 0.003 mg/L

Summary of DMRs: Alachlor and Atrazine concentrations averaged above their MCLs. TSS exceeded its future benchmark value of 100 mg/L multiple times. Additional DMR data can be found in Attachment 1 at the end of the Fact Sheet.

Parameters and monitoring requirements for Outfalls 001 and 002 from prior Permit (April, 2013 through March 31, 2018):

Table 2. Previous Permit Monitoring Requirements, Outfall 001 and 002

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Suspended Solids	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Alachlor	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Atrazine	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

The required parameters for Outfalls 001 and 002 from the previous permit will continue to be sampled for the renewed permit. A benchmark for TSS is also included in the renewed permit (typical of PAG-03 monitoring requirements).

Table 3. Previous Permit Monitoring Requirements, Outfall 003

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Suspended Solids	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab

The required parameters for Outfall 003 from the previous permit will continue to be sampled for the renewed permit. A benchmark for TSS is also included in the renewed permit (typical of PAG-03 monitoring requirements).

Table 4. Proposed Monitoring Requirements, Outfalls 001 and 002

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Alachlor	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Atrazine	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab

Table 5. Proposed Monitoring Requirements, Outfall 003

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab

Benchmarks for TSS are included (according PAG-03 requirements).
The requirement to submit an Annual Report is included.
The requirement for routine inspections on a semiannual basis is included.

Antidegradation (93.4):

The applicant is not proposing a new or increased discharge to a High Quality (HQ) or Exceptional Value (EV) water, so Module 4 (Anti Degradation Module) was not attached to the application.

The effluent limits for this discharge have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected. This discharge is to a Warm Water Fishes Stream. Best Management Practices will ensure that the existing instream uses are protected. No Exceptional Value Waters are impacted by this discharge.

The designated use of the drainage swale and Mud Run is WWF, MF. This surface water does not have an existing use.

Part C Special Conditions

I. STORMWATER OUTFALLS AND AUTHORIZED NON-STORMWATER DISCHARGES

A. The permittee is authorized to discharge non-polluting stormwater from its site through the following outfalls:

Outfall No.	Area Drained (ft^2)	Latitude	Longitude	Description
001	16,510	39º 59' 56"	-77º 01' 47"	Transportation and management of agricultural products for distribution, chemicals used as part of facility's processes
002	28,823	39º 59' 56"	-77º 01' 48"	Transportation and management of agricultural products and rock salt for ice melt for distribution, chemicals used as part of facility's processes
003	12,454	39º 59' 53"	-77º 01' 46"	Roof drains from Lawn Plant building

Monitoring requirements and effluent limitations for these outfalls are specified in Part A of this permit, if applicable.

B. The permittee is authorized to discharge the following non-stormwater discharges under this permit:

- Discharges from emergency/unplanned fire-fighting activities;
- Potable water, including water line flushings and fire hydrant flushings, that do not contain measurable concentrations of Total Residual Chlorine (TRC);
- Uncontaminated condensate from air conditioners, coolers/chillers, and other compressors (if treatment through an oil/water separator is provided) and from the outside storage of refrigerated gases or liquids;
- Irrigation drainage;
- Landscape water if such water does not contain pesticides, herbicides or fertilizers;
- Pavement wash waters where no detergents or hazardous cleaning products are used, and the wash waters do not come into contact with oil and grease deposits, sources of pollutants associated with industrial activities, or any other toxic or hazardous materials;
- Routine external building washdown / power wash water that does not use detergents or hazardous cleaning products (e.g., those containing bleach, hydrofluoric acid, muriatic acid, sodium hydroxide, nonylphenols);
- Uncontaminated ground water or spring water;
- Foundation or footing drains where flows are not contaminated with process materials; and
- Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of a facility, but not intentional discharges from the cooling tower.

II. BEST MANAGEMENT PRACTICES (BMPs)

The permittee shall implement and, as necessary, maintain the following BMPs to remain in compliance with this permit.

A. Pollution Prevention and Exposure Minimization.

The permittee shall minimize the exposure of manufacturing, processing, and material storage areas (including loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations) to rain, snow, snowmelt, and runoff in order to minimize pollutant discharges by either locating industrial materials and activities inside or protecting them with storm resistant coverings wherever feasible. The permittee shall implement and maintain the following measures, at a minimum:

1. Use grading, berming or curbing to prevent runoff of polluted stormwater and divert run-on away from areas that contain polluted stormwater.

2. Locate materials, equipment, and activities so that potential leaks and spills are contained or able to be contained or diverted before discharge to surface waters.

3. Clean up spills and leaks promptly using dry methods (e.g., absorbents) to prevent the discharge of pollutants to surface waters.

4. Store leaky vehicles and equipment indoors or, if stored outdoors, use drip pans and absorbents to prevent the release of pollutants to the environment.

5. Use spill/overflow protection equipment.

6. Perform all vehicle and/or equipment cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also that capture any overspray.

7. Drain fluids from equipment and vehicles that will be decommissioned, and, for any equipment and vehicles that will remain unused for extended periods of time, inspect at least monthly for leaks.

8. Keep all dumpster lids closed when not in use. For dumpsters and roll off boxes that do not have lids, ensure that discharges have a control (e.g., secondary containment, treatment). This permit does not authorize dry weather discharges from dumpsters or roll off boxes.

9. Minimize contamination of stormwater runoff from fueling areas by implementing the following BMPs where determined to be feasible: cover fueling areas; install oil/water separators or oil and grease traps in fueling area storm drains; use berms to prevent run-on to and runoff from fueling areas; use spill/overflow protection and cleanup equipment; use dry cleanup methods; and/or treat and/or recycle collected stormwater runoff.

10. Train employees routinely (no less than annually) on pollution prevention practices as contained in the PPC Plan.

B. Good Housekeeping.

The permittee shall perform good housekeeping measures in order to minimize pollutant discharges including the routine implementation of the following measures, at a minimum:

1. Implement a routine cleaning and maintenance program for all impervious areas of the facility where particulate matter, dust or debris may accumulate to minimize the discharge of pollutants in stormwater. The cleaning and maintenance program must encompass, as appropriate, areas where material loading and unloading, storage, handling and processing occur.

2. Store materials in appropriate containers.

3. Minimize the potential for waste, garbage and floatable debris to be discharged by keeping exposed areas free of such materials, or by intercepting them before they are discharged.

4. Eliminate floor drain connections to storm sewers.

5. Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse. Drain fluids from all equipment and parts prior to disposal. Promptly transfer used fluids to the proper container; do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.

6. Label and track the recycling of waste material (e.g., used oil, spent solvents, batteries).

7. Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a municipal or other storm water collection system that conveys pollutants off-site without proper treatment.

C. Erosion and Sediment Controls.

1. The permittee shall minimize erosion and pollutant discharges by stabilizing exposed soils and placing flow

velocity dissipation devices at discharge locations to minimize channel and stream bank erosion and scour in the immediate vicinity of stormwater outfalls.

2. The permittee shall conduct all earth disturbance activities and, when applicable, shall maintain all post-construction stormwater management (PCSM) BMPs in accordance with 25 Pa. Code Chapter 102.

3. The permittee may not utilize polymers or other chemicals to treat stormwater unless written permission is obtained from DEP.

D. Spill Prevention and Responses.

The permittee shall minimize the potential for leaks, spills and other releases that may be exposed to stormwater and develop a plan consistent with Part C IV for effective responses to such releases. The permittee shall conduct the following spill prevention and response measures, at a minimum:

1. Maintain an organized inventory of materials on-site. Plainly label containers (e.g., “Used Oil,” “Spent Solvents,” “Fertilizers and Pesticides”) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur.

2. Implement procedures for material storage and handling, including the use of secondary containment and barriers between material storage and traffic areas, or a similarly effective means designed to prevent the discharge of pollutants from these areas.

3. Develop and implement employee and contractor training on the procedures for expeditiously stopping, containing, and cleaning up leaks, spills, and other releases. The permittee shall conduct periodic training, no less than annually, and document the training on the Annual Report required by Part A III.C.1.

4. Keep spill kits on-site, located near areas where spills may occur or where a rapid response can be made.

5. Notify appropriate facility personnel when a leak, spill, or other release occurs.

6. To the extent possible, eliminate or reduce the number and amount of hazardous materials and waste by substituting non-hazardous or less hazardous materials of equal function, as determined by the permittee.

7. Clean up leaks, drips, and other spills without using large amounts of water or liquid cleaners. Use absorbents for dry cleanup whenever possible.

When a leak, spill or other release occurs during a 24-hour period that contains a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under 40 CFR Parts 110, 117 or 302, the permittee shall, in addition to the notification requirements contained in Part A III.C.3 of this permit, notify the National Response Center (NRC) at (800) 424-8802 in accordance with the requirements of 40 CFR Parts 110, 117, and 302 as soon as the permittee becomes aware of the discharge.

III. ROUTINE INSPECTIONS

A. The permittee shall visually inspect the following areas and BMPs on a semiannual basis (calendar periods), at a minimum:

1. Areas where industrial materials or activities are exposed to stormwater.

2. Areas identified in the PPC Plan as potential pollutant sources.

3. Areas where spills or leaks have occurred in the past three years.

4. Stormwater outfalls and locations where authorized non-stormwater discharges may commingle.

5. Physical BMPs used to comply with this permit.

At least once each calendar year, the routine inspection must be conducted during a period when a stormwater

discharge is occurring.

B. The permittee shall evaluate and document the following conditions, at a minimum, in the Annual Report required by Part A III.C.1 through required inspections:

1. Raw materials, products or wastes that may have or could come into contact with stormwater.

2. Leaks or spills from equipment, drums, tanks and other containers.

3. Off-site tracking of industrial or waste materials, or sediment where vehicles enter or exit the site.

4. Tracking or blowing of raw, final or waste materials from areas of no exposure to exposed areas.

5. Control measures or BMPs needing replacement, maintenance or repair.

6. The presence of authorized non-stormwater discharges that were not identified in the permit application and non-stormwater discharges not authorized by this permit.

IV. PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN

A. The permittee shall develop and implement a PPC Plan in accordance with 25 Pa. Code § 91.34 following the guidance contained in DEP's "Guidelines for the Development and Implementation of Environmental Emergency Response Plans" (DEP ID 400-2200-001), its NPDES-specific addendum and the minimum requirements below.

1. The PPC Plan must identify all potential sources of pollutants that may reasonably be expected to affect the quality of stormwater discharges from the facility.

2. The PPC Plan must describe preventative measures and BMPs that will be implemented to reduce or eliminate pollutants from coming into contact with stormwater resulting from routine site activities and spills.

3. The PPC Plan must address actions that will be taken in response to on-site spills or other pollution incidents.

4. The PPC Plan must identify areas which, due to topography or other factors, have a high potential for soil erosion, and identify measures to limit erosion. Where necessary, erosion and sediment control measures must be developed and implemented in accordance with 25 Pa. Code Chapter 102 and DEP's "Erosion and Sediment Pollution Control Manual" (DEP ID 363-2134-008).

5. The PPC Plan must address security measures to prevent accidental or intentional entry which could result in an unintentional discharge of pollutants.

6. The PPC Plan must include a plan for training employees and contractors on pollution prevention, BMPs, and emergency response measures. This training must be conducted in accordance with Part C II.D.3.

7. If the facility is subject to SARA Title III, Section 313, the PPC Plan must identify releases of "Water Priority Chemicals" within the previous three years. Water Priority Chemicals are those identified in EPA's "Guidance for the Determination of Appropriate Methods for the Detection of Section 313 Water Priority Chemicals" (EPA 833-B-94-001, April 1994). The Plan must include an evaluation of all activities that may result in the stormwater discharge of Water Priority Chemicals.

8. Spill Prevention Control and Countermeasure (SPCC) plans may be used to meet the requirements of this section if the minimum requirements are addressed.

B. The permittee shall review and if necessary update the PPC Plan on an annual basis, at a minimum, and when one or more of the following occur:

1. Applicable DEP or federal regulations are revised, or this permit is revised.

2. The PPC Plan fails in an emergency.

3. The facility's design, industrial process, operation, maintenance, or other circumstances change in a manner that materially increases the potential for fires, explosions or releases of toxic or hazardous constituents; or which changes the response necessary in an emergency.

4. The list of emergency coordinators or equipment changes.

5. When notified in writing by DEP.

The permittee shall maintain all PPC Plan updates on-site, make the updates available to DEP upon request, and document the updates in Annual Reports.

V. STORMWATER MONITORING REQUIREMENTS

A. The permittee shall conduct monitoring of its stormwater discharges at the representative outfalls identified in Part A of this permit. The permittee shall document stormwater sampling event information and no exposure conditions for each calendar year on the Annual Report required by Part A III.C.1.

B. The permittee shall, upon written notice from DEP, install inlets, pipes, and/or other structures or devices that are considered necessary in order to conduct representative stormwater sampling, in accordance with a schedule provided by DEP.

C. The permittee shall collect all samples from discharges resulting from a storm event that is greater than 0.1 inch in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The 72-hour storm interval is waived when the preceding storm did not yield a measurable discharge, or if the permittee is able to document that a less than 72-hour interval is representative for local storm events during the sample period.

D. The permittee shall collect all grab samples within the first 30 minutes of a discharge, unless the permittee determines that this is not possible, in which case grab samples must be collected as soon as possible after the first 30 minutes of a discharge. The permittee shall explain why samples could not be collected within the first 30 minutes of any discharge on the Annual Report required by Part A III.C.1.

E. The permittee shall collect stormwater samples at times when commingling with non-stormwater discharges is not occurring or at locations prior to the commingling of non-stormwater discharges.

F. Stormwater Benchmark Values.

1. A benchmark value is the concentration of a pollutant in stormwater discharges that serves as a threshold for the determination of whether existing site BMPs are effective in controlling stormwater pollution. In the event that stormwater discharge concentrations for a parameter exceeds the benchmark value(s) identified below at the same outfall for two or more consecutive monitoring periods, the permittee shall develop a corrective action plan to reduce the concentrations of the parameters in stormwater discharges.

Parameter	Benchmark Value (mg/L)
Total Suspended Solids	100

2. The permittee shall submit the corrective action plan to DEP within 90 days of the end of the monitoring period triggering the need for the plan, and shall implement the plan immediately upon submission or at a later time if authorized by DEP in writing. The permittee shall, in developing the plan, evaluate alternatives to reduce stormwater concentrations and select one or more BMPs or control measures for implementation, unless the permittee can demonstrate in the plan that (1) the exceedances are solely attributable to natural background sources; (2) no further pollutant reductions are technologically available and economically practicable and achievable in light of best industry practice; or (3) further pollutant reductions are not necessary to prevent stormwater discharges from causing or contributing to an exceedance of applicable water quality standards.

VI. OTHER REQUIREMENTS

A. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance or replacement of all structures associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress and regress.

B. Collected screenings, slurries, sludges, and other solids shall be handled, recycled and/or disposed of in compliance with the Solid Waste Management Act (35 P.S. §§ 6018.101 – 6018.1003), 25 Pa. Code Chapters 287, 288, 289, 291, 295, 297, and 299 (relating to requirements for landfilling, impoundments, land application, composting, processing, and storage of residual waste), Chapters 261a, 262a, 263a, and 270a (related to identification of hazardous waste, requirements for generators and transporters, and hazardous waste, requirements for generators and transporters, and hazardous waste permit programs), federal regulation 40 CFR Part 257, The Clean Streams Law, and the Federal Clean Water Act and its amendments. Screenings collected at intake structures shall be collected and managed and not be returned to the receiving waters.

The permittee is responsible to obtain or assure that contracted agents have all necessary permits and approvals for the handling, storage, transport and disposal of solid waste materials generated as a result of wastewater and stormwater treatment.

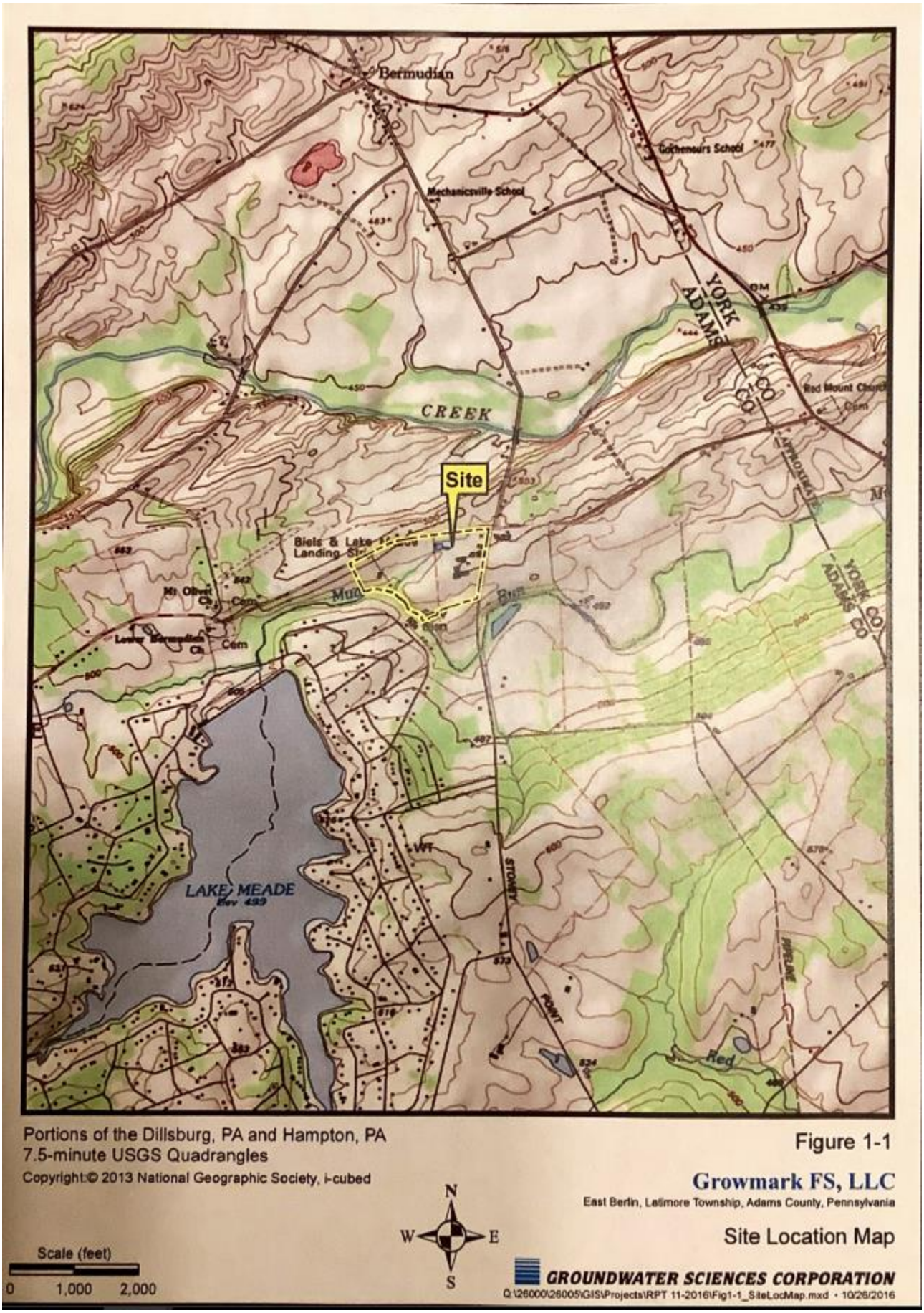

Figure 1. Site Locations Map

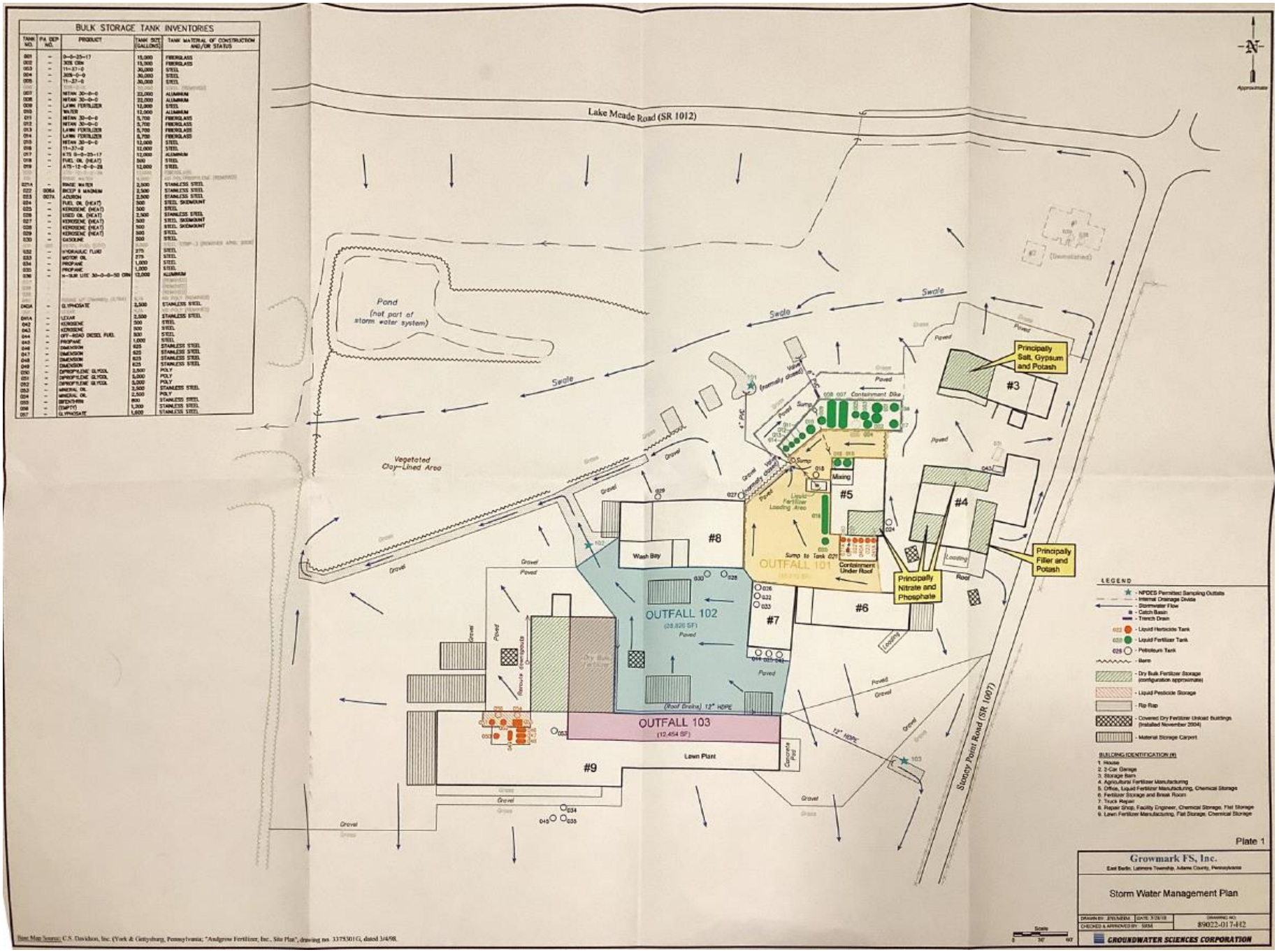

Figure 2. Site Layout

Attachment 1. Additional DMR Data from 4/1/13 through 3/17/20

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and Avg	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	001	Yes	Final Effluent	Alachlor	39161	0.0016	0.0016	Monitor and	mg/L	Average Monthly
10/01/2016	12/31/2016	01/04/2017	001	Yes	Final Effluent	Alachlor	39161	0.128	0.128	Monitor and	mg/L	Average Monthly
01/01/2017	03/31/2017	02/15/2017	001	Yes	Final Effluent	Alachlor	39161	0.0042	0.0042	Monitor and	mg/L	Average Monthly
04/01/2017	06/30/2017	05/11/2017	001	Yes	Final Effluent	Alachlor	39161	0.185	0.185	Monitor and	mg/L	Average Monthly
07/01/2017	09/30/2017	11/06/2018	001	Yes	Final Effluent	Alachlor	39161	0.0246	0.0246	Monitor and	mg/L	Average Monthly
10/01/2017	12/31/2017	10/27/2017	001	Yes	Final Effluent	Alachlor	39161	0.0064	0.0064	Monitor and	mg/L	Average Monthly
01/01/2018	03/31/2018	05/08/2018	001	Yes	Final Effluent	Alachlor	39161	0.16	0.16	Monitor and	mg/L	Average Monthly
04/01/2018	06/30/2018	05/09/2018	001	Yes	Final Effluent	Alachlor	39161	0.0014	0.0014	Monitor and	mg/L	Average Monthly
07/01/2018	09/30/2018	11/16/2018	001	Yes	Final Effluent	Alachlor	39161	0.0246	0.0246	Monitor and	mg/L	Average Monthly
10/01/2018	12/31/2018	12/14/2018	001	Yes	Final Effluent	Alachlor	39161	< 0.001	0.001	Monitor and	mg/L	Average Monthly
01/01/2019	03/31/2019	04/12/2019	001	Yes	Final Effluent	Alachlor	39161	FF	No Value	Monitor and	mg/L	Average Monthly
04/01/2019	06/30/2019	07/15/2019	001	Yes	Final Effluent	Alachlor	39161	< 0.0803	0.0803	Monitor and	mg/L	Average Monthly
07/01/2019	09/30/2019	11/12/2019	001	Yes	Final Effluent	Alachlor	39161	< 0.00803	0.00803	Monitor and	mg/L	Average Monthly
10/01/2019	12/31/2019	11/12/2019	001	Yes	Final Effluent	Alachlor	39161	< 0.190	0.19	Monitor and	mg/L	Average Monthly
							Alachlor	**Max**	**0.1900**			
								Min	**0.0010**			
								Avg	**0.0627**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and Avg	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	001	Yes	Final Effluent	Atrazine	39033	0.0455	0.0455	Monitor and	mg/L	Average Monthly
10/01/2016	12/31/2016	01/04/2017	001	Yes	Final Effluent	Atrazine	39033	0.0059	0.0059	Monitor and	mg/L	Average Monthly
01/01/2017	03/31/2017	02/15/2017	001	Yes	Final Effluent	Atrazine	39033	0.0028	0.0028	Monitor and	mg/L	Average Monthly
04/01/2017	06/30/2017	05/11/2017	001	Yes	Final Effluent	Atrazine	39033	0.0131	0.0131	Monitor and	mg/L	Average Monthly
07/01/2017	09/30/2017	11/06/2018	001	Yes	Final Effluent	Atrazine	39033	0.0488	0.0488	Monitor and	mg/L	Average Monthly
10/01/2017	12/31/2017	10/27/2017	001	Yes	Final Effluent	Atrazine	39033	0.0148	0.0148	Monitor and	mg/L	Average Monthly
01/01/2018	03/31/2018	05/08/2018	001	Yes	Final Effluent	Atrazine	39033	0.0305	0.0305	Monitor and	mg/L	Average Monthly
04/01/2018	06/30/2018	05/09/2018	001	Yes	Final Effluent	Atrazine	39033	0.0019	0.0019	Monitor and	mg/L	Average Monthly
07/01/2018	09/30/2018	11/16/2018	001	Yes	Final Effluent	Atrazine	39033	0.0488	0.0488	Monitor and	mg/L	Average Monthly
10/01/2018	12/31/2018	12/14/2018	001	Yes	Final Effluent	Atrazine	39033	< 0.001	0.001	Monitor and	mg/L	Average Monthly
01/01/2019	03/31/2019	04/12/2019	001	Yes	Final Effluent	Atrazine	39033	< 0.0028	0.0028	Monitor and	mg/L	Average Monthly
04/01/2019	06/30/2019	07/15/2019	001	Yes	Final Effluent	Atrazine	39033	0.102	0.102	Monitor and	mg/L	Average Monthly
07/01/2019	09/30/2019	11/12/2019	001	Yes	Final Effluent	Atrazine	39033	0.102	0.102	Monitor and	mg/L	Average Monthly
10/01/2019	12/31/2019	11/12/2019	001	Yes	Final Effluent	Atrazine	39033	0.0194	0.0194	Monitor and	mg/L	Average Monthly
							Atrazine	**Max**	**0.1020**			
								Min	**0.0010**			
								Avg	**0.0314**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and Avg	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	001	Yes	Final Effluent	pH	00400	7.15	7.15	Monitor and	S.U.	Average Monthly
10/01/2016	12/31/2016	01/04/2017	001	Yes	Final Effluent	pH	00400	7.45	7.45	Monitor and	S.U.	Average Monthly
01/01/2017	03/31/2017	02/15/2017	001	Yes	Final Effluent	pH	00400	7.45	7.45	Monitor and	S.U.	Average Monthly
04/01/2017	06/30/2017	05/11/2017	001	Yes	Final Effluent	pH	00400	7.75	7.75	Monitor and	S.U.	Average Monthly
07/01/2017	09/30/2017	11/06/2018	001	Yes	Final Effluent	pH	00400	6.48	6.48	Monitor and	S.U.	Average Monthly
10/01/2017	12/31/2017	10/27/2017	001	Yes	Final Effluent	pH	00400	6.86	6.86	Monitor and	S.U.	Average Monthly
01/01/2018	03/31/2018	05/08/2018	001	Yes	Final Effluent	pH	00400	7.42	7.42	Monitor and	S.U.	Average Monthly
04/01/2018	06/30/2018	05/09/2018	001	Yes	Final Effluent	pH	00400	7.08	7.08	Monitor and	S.U.	Average Monthly
07/01/2018	09/30/2018	11/16/2018	001	Yes	Final Effluent	pH	00400	6.48	6.48	Monitor and	S.U.	Average Monthly
10/01/2018	12/31/2018	12/14/2018	001	Yes	Final Effluent	pH	00400	7.4	7.4	Monitor and	S.U.	Average Monthly
01/01/2019	03/31/2019	04/12/2019	001	Yes	Final Effluent	pH	00400	8.09	8.09	Monitor and	S.U.	Average Monthly
04/01/2019	06/30/2019	07/15/2019	001	Yes	Final Effluent	pH	00400	6.95	6.95	Monitor and	S.U.	Average Monthly
07/01/2019	09/30/2019	11/12/2019	001	Yes	Final Effluent	pH	00400	6.95	6.95	Monitor and	S.U.	Average Monthly
10/01/2019	12/31/2019	11/12/2019	001	Yes	Final Effluent	pH	00400	6.92	6.92	Monitor and	S.U.	Average Monthly
								Max	**8.09**			
							pH	**Min**	**6.48**			
								Avg	**7.17**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and Avg	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	001	Yes	Final Effluent	Total Nitrogen	00600	136	136	Monitor and	mg/L	Average Monthly
10/01/2016	12/31/2016	01/04/2017	001	Yes	Final Effluent	Total Nitrogen	00600	108	108	Monitor and	mg/L	Average Monthly
01/01/2017	03/31/2017	02/15/2017	001	Yes	Final Effluent	Total Nitrogen	00600	54.2	54.2	Monitor and	mg/L	Average Monthly
04/01/2017	06/30/2017	05/11/2017	001	Yes	Final Effluent	Total Nitrogen	00600	188	188	Monitor and	mg/L	Average Monthly
07/01/2017	09/30/2017	11/06/2018	001	Yes	Final Effluent	Total Nitrogen	00600	100	100	Monitor and	mg/L	Average Monthly
10/01/2017	12/31/2017	10/27/2017	001	Yes	Final Effluent	Total Nitrogen	00600	52.8	52.8	Monitor and	mg/L	Average Monthly
01/01/2018	03/31/2018	05/08/2018	001	Yes	Final Effluent	Total Nitrogen	00600	108	108	Monitor and	mg/L	Average Monthly
04/01/2018	06/30/2018	05/09/2018	001	Yes	Final Effluent	Total Nitrogen	00600	12.6	12.6	Monitor and	mg/L	Average Monthly
07/01/2018	09/30/2018	11/16/2018	001	Yes	Final Effluent	Total Nitrogen	00600	100	100	Monitor and	mg/L	Average Monthly
10/01/2018	12/31/2018	12/14/2018	001	Yes	Final Effluent	Total Nitrogen	00600	26.4	26.4	Monitor and	mg/L	Average Monthly
01/01/2019	03/31/2019	04/12/2019	001	Yes	Final Effluent	Total Nitrogen	00600	1.8	1.8	Monitor and	mg/L	Average Monthly
04/01/2019	06/30/2019	07/15/2019	001	Yes	Final Effluent	Total Nitrogen	00600	94.1	94.1	Monitor and	mg/L	Average Monthly
07/01/2019	09/30/2019	11/12/2019	001	Yes	Final Effluent	Total Nitrogen	00600	94.1	94.1	Monitor and	mg/L	Average Monthly
10/01/2019	12/31/2019	11/12/2019	001	Yes	Final Effluent	Total Nitrogen	00600	113	113	Monitor and	mg/L	Average Monthly
								Max	**188.00**			
							TN	**Min**	**1.80**			
								Avg	**84.93**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and Avg	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	001	Yes	Final Effluent	Total Phosphor	00665	13.7	13.7	Monitor and	mg/L	Average Monthly
10/01/2016	12/31/2016	01/04/2017	001	Yes	Final Effluent	Total Phosphor	00665	5.5	5.5	Monitor and	mg/L	Average Monthly
01/01/2017	03/31/2017	02/15/2017	001	Yes	Final Effluent	Total Phosphor	00665	4.3	4.3	Monitor and	mg/L	Average Monthly
04/01/2017	06/30/2017	05/11/2017	001	Yes	Final Effluent	Total Phosphor	00665	5.8	5.8	Monitor and	mg/L	Average Monthly
07/01/2017	09/30/2017	11/06/2018	001	Yes	Final Effluent	Total Phosphor	00665	4.3	4.3	Monitor and	mg/L	Average Monthly
10/01/2017	12/31/2017	10/27/2017	001	Yes	Final Effluent	Total Phosphor	00665	22	22	Monitor and	mg/L	Average Monthly
01/01/2018	03/31/2018	05/08/2018	001	Yes	Final Effluent	Total Phosphor	00665	2.0	2	Monitor and	mg/L	Average Monthly
04/01/2018	06/30/2018	05/09/2018	001	Yes	Final Effluent	Total Phosphor	00665	5.4	5.4	Monitor and	mg/L	Average Monthly
07/01/2018	09/30/2018	11/16/2018	001	Yes	Final Effluent	Total Phosphor	00665	4.3	4.3	Monitor and	mg/L	Average Monthly
10/01/2018	12/31/2018	12/14/2018	001	Yes	Final Effluent	Total Phosphor	00665	1.5	1.5	Monitor and	mg/L	Average Monthly
01/01/2019	03/31/2019	04/12/2019	001	Yes	Final Effluent	Total Phosphor	00665	1.8	1.8	Monitor and	mg/L	Average Monthly
04/01/2019	06/30/2019	07/15/2019	001	Yes	Final Effluent	Total Phosphor	00665	0.8	0.8	Monitor and	mg/L	Average Monthly
07/01/2019	09/30/2019	11/12/2019	001	Yes	Final Effluent	Total Phosphor	00665	0.8	0.8	Monitor and	mg/L	Average Monthly
10/01/2019	12/31/2019	11/12/2019	001	Yes	Final Effluent	Total Phosphor	00665	25.5	25.5	Monitor and	mg/L	Average Monthly
							TP	**Max**	**25.5000**			
								Min	**0.8000**			
								Avg	**6.9786**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and Avg	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	001	Yes	Final Effluent	Total Suspende	00530	11	11	Monitor and	mg/L	Average Monthly
10/01/2016	12/31/2016	01/04/2017	001	Yes	Final Effluent	Total Suspende	00530	< 5	5	Monitor and	mg/L	Average Monthly
01/01/2017	03/31/2017	02/15/2017	001	Yes	Final Effluent	Total Suspende	00530	83	83	Monitor and	mg/L	Average Monthly
04/01/2017	06/30/2017	05/11/2017	001	Yes	Final Effluent	Total Suspende	00530	33	33	Monitor and	mg/L	Average Monthly
07/01/2017	09/30/2017	11/06/2018	001	Yes	Final Effluent	Total Suspende	00530	13	13	Monitor and	mg/L	Average Monthly
10/01/2017	12/31/2017	10/27/2017	001	Yes	Final Effluent	Total Suspende	00530	506	506	Monitor and	mg/L	Average Monthly
01/01/2018	03/31/2018	05/08/2018	001	Yes	Final Effluent	Total Suspende	00530	53	53	Monitor and	mg/L	Average Monthly
04/01/2018	06/30/2018	05/09/2018	001	Yes	Final Effluent	Total Suspende	00530	42	42	Monitor and	mg/L	Average Monthly
07/01/2018	09/30/2018	11/16/2018	001	Yes	Final Effluent	Total Suspende	00530	13	13	Monitor and	mg/L	Average Monthly
10/01/2018	12/31/2018	12/14/2018	001	Yes	Final Effluent	Total Suspende	00530	75	75	Monitor and	mg/L	Average Monthly
01/01/2019	03/31/2019	04/12/2019	001	Yes	Final Effluent	Total Suspende	00530	90	90	Monitor and	mg/L	Average Monthly
04/01/2019	06/30/2019	07/15/2019	001	Yes	Final Effluent	Total Suspende	00530	225	225	Monitor and	mg/L	Average Monthly
07/01/2019	09/30/2019	11/12/2019	001	Yes	Final Effluent	Total Suspende	00530	225	225	Monitor and	mg/L	Average Monthly
10/01/2019	12/31/2019	11/12/2019	001	Yes	Final Effluent	Total Suspende	00530	138	138	Monitor and	mg/L	Average Monthly
							TSS	**Max**	**506.00**			
								Min	**5.00**			
								Avg	**108.00**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and Avg	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	002	Yes	Final Effluent	Alachlor	39161	< 0.00093	0.00093	Monitor and Report	mg/L	Average Monthly
10/01/2016	12/31/2016	01/04/2017	002	Yes	Final Effluent	Alachlor	39161	< 0.93	0.93	Monitor and Report	mg/L	Average Monthly
01/01/2017	03/31/2017	02/15/2017	002	Yes	Final Effluent	Alachlor	39161	< 0.00093	0.00093	Monitor and Report	mg/L	Average Monthly
04/01/2017	06/30/2017	05/11/2017	002	Yes	Final Effluent	Alachlor	39161	FF	No Value	Monitor and Report	mg/L	Average Monthly
07/01/2017	09/30/2017	11/06/2018	002	Yes	Final Effluent	Alachlor	39161	< 0.00093	0.00093	Monitor and Report	mg/L	Average Monthly
10/01/2017	12/31/2017	10/27/2017	002	Yes	Final Effluent	Alachlor	39161	< 0.00092	0.00092	Monitor and Report	mg/L	Average Monthly
01/01/2018	03/31/2018	05/08/2018	002	Yes	Final Effluent	Alachlor	39161	< 0.00094	0.00094	Monitor and Report	mg/L	Average Monthly
04/01/2018	06/30/2018	05/09/2018	002	Yes	Final Effluent	Alachlor	39161	< 0.00092	0.00092	Monitor and Report	mg/L	Average Monthly
07/01/2018	09/30/2018	11/16/2018	002	Yes	Final Effluent	Alachlor	39161	< 0.00093	0.00093	Monitor and Report	mg/L	Average Monthly
10/01/2018	12/31/2018	12/14/2018	002	Yes	Final Effluent	Alachlor	39161	< 0.001	0.001	Monitor and Report	mg/L	Average Monthly
01/01/2019	03/31/2019	04/12/2019	002	Yes	Final Effluent	Alachlor	39161	FF	No Value	Monitor and Report	mg/L	Average Monthly
04/01/2019	06/30/2019	07/15/2019	002	Yes	Final Effluent	Alachlor	39161	< 0.0805	0.0805	Monitor and Report	mg/L	Average Monthly
07/01/2019	09/30/2019	11/12/2019	002	Yes	Final Effluent	Alachlor	39161	< 0.0803	0.0803	Monitor and Report	mg/L	Average Monthly
10/01/2019	12/31/2019	11/12/2019	002	Yes	Final Effluent	Alachlor	39161	< 0.190	0.19	Monitor and Report	mg/L	Average Monthly
								Max	**0.9300**			
							Alachlor	**Min**	**0.0009**			
								Avg	**0.1074**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and Avg	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	002	Yes	Final Effluent	Atrazine	39033	0.0082	0.0082	Monitor and Report	mg/L	Average Monthly
10/01/2016	12/31/2016	01/04/2017	002	Yes	Final Effluent	Atrazine	39033	< 0.93	0.93	Monitor and Report	mg/L	Average Monthly
01/01/2017	03/31/2017	02/15/2017	002	Yes	Final Effluent	Atrazine	39033	< 0.00093	0.00093	Monitor and Report	mg/L	Average Monthly
04/01/2017	06/30/2017	05/11/2017	002	Yes	Final Effluent	Atrazine	39033	0.0013	0.0013	Monitor and Report	mg/L	Average Monthly
07/01/2017	09/30/2017	11/06/2018	002	Yes	Final Effluent	Atrazine	39033	0.005	0.005	Monitor and Report	mg/L	Average Monthly
10/01/2017	12/31/2017	10/27/2017	002	Yes	Final Effluent	Atrazine	39033	0.0015	0.0015	Monitor and Report	mg/L	Average Monthly
01/01/2018	03/31/2018	05/08/2018	002	Yes	Final Effluent	Atrazine	39033	0.0076	0.0076	Monitor and Report	mg/L	Average Monthly
04/01/2018	06/30/2018	05/09/2018	002	Yes	Final Effluent	Atrazine	39033	0.0034	0.0034	Monitor and Report	mg/L	Average Monthly
07/01/2018	09/30/2018	11/16/2018	002	Yes	Final Effluent	Atrazine	39033	5	5	Monitor and Report	mg/L	Average Monthly
10/01/2018	12/31/2018	12/14/2018	002	Yes	Final Effluent	Atrazine	39033	< 0.001	0.001	Monitor and Report	mg/L	Average Monthly
01/01/2019	03/31/2019	04/12/2019	002	Yes	Final Effluent	Atrazine	39033	< 0.0028	0.0028	Monitor and Report	mg/L	Average Monthly
04/01/2019	06/30/2019	07/15/2019	002	Yes	Final Effluent	Atrazine	39033	0.009	0.009	Monitor and Report	mg/L	Average Monthly
07/01/2019	09/30/2019	11/12/2019	002	Yes	Final Effluent	Atrazine	39033	0.009	0.009	Monitor and Report	mg/L	Average Monthly
10/01/2019	12/31/2019	11/12/2019	002	Yes	Final Effluent	Atrazine	39033	< 0.0028	0.0028	Monitor and Report	mg/L	Average Monthly
							Atrazine	**Max**	**5.00**			
								Min	**0.00**			
								Avg	**0.43**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and Avg	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	002	Yes	Final Effluent	pH	00400	7.65	7.65	Monitor and Report	S.U.	Average Monthly
10/01/2016	12/31/2016	01/04/2017	002	Yes	Final Effluent	pH	00400	7.49	7.49	Monitor and Report	S.U.	Average Monthly
01/01/2017	03/31/2017	02/15/2017	002	Yes	Final Effluent	pH	00400	7.63	7.63	Monitor and Report	S.U.	Average Monthly
04/01/2017	06/30/2017	05/11/2017	002	Yes	Final Effluent	pH	00400	7.68	7.68	Monitor and Report	S.U.	Average Monthly
07/01/2017	09/30/2017	11/06/2018	002	Yes	Final Effluent	pH	00400	6.52	6.52	Monitor and Report	S.U.	Average Monthly
10/01/2017	12/31/2017	10/27/2017	002	Yes	Final Effluent	pH	00400	7.42	7.42	Monitor and Report	S.U.	Average Monthly
01/01/2018	03/31/2018	05/08/2018	002	Yes	Final Effluent	pH	00400	8.02	8.02	Monitor and Report	S.U.	Average Monthly
04/01/2018	06/30/2018	05/09/2018	002	Yes	Final Effluent	pH	00400	6.55	6.55	Monitor and Report	S.U.	Average Monthly
07/01/2018	09/30/2018	11/16/2018	002	Yes	Final Effluent	pH	00400	6.52	6.52	Monitor and Report	S.U.	Average Monthly
10/01/2018	12/31/2018	12/14/2018	002	Yes	Final Effluent	pH	00400	6.42	6.42	Monitor and Report	S.U.	Average Monthly
01/01/2019	03/31/2019	04/12/2019	002	Yes	Final Effluent	pH	00400	8.71	8.71	Monitor and Report	S.U.	Average Monthly
04/01/2019	06/30/2019	07/15/2019	002	Yes	Final Effluent	pH	00400	8.02	8.02	Monitor and Report	S.U.	Average Monthly
07/01/2019	09/30/2019	11/12/2019	002	Yes	Final Effluent	pH	00400	8.02	8.02	Monitor and Report	S.U.	Average Monthly
10/01/2019	12/31/2019	11/12/2019	002	Yes	Final Effluent	pH	00400	7.61	7.61	Monitor and Report	S.U.	Average Monthly
								Max	**8.7100**			
							pH	**Min**	**6.4200**			
								Avg	**7.4471**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and Avg	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	002	Yes	Final Effluent	Total Nitrogen	00600	65.3	65.3	Monitor and Report	mg/L	Average Monthly
10/01/2016	12/31/2016	01/04/2017	002	Yes	Final Effluent	Total Nitrogen	00600	7.02	7.02	Monitor and Report	mg/L	Average Monthly
01/01/2017	03/31/2017	02/15/2017	002	Yes	Final Effluent	Total Nitrogen	00600	11.1	11.1	Monitor and Report	mg/L	Average Monthly
04/01/2017	06/30/2017	05/11/2017	002	Yes	Final Effluent	Total Nitrogen	00600	2.55	2.55	Monitor and Report	mg/L	Average Monthly
07/01/2017	09/30/2017	11/06/2018	002	Yes	Final Effluent	Total Nitrogen	00600	< 3.6	3.6	Monitor and Report	mg/L	Average Monthly
10/01/2017	12/31/2017	10/27/2017	002	Yes	Final Effluent	Total Nitrogen	00600	< 1.5	1.5	Monitor and Report	mg/L	Average Monthly
01/01/2018	03/31/2018	05/08/2018	002	Yes	Final Effluent	Total Nitrogen	00600	86	86	Monitor and Report	mg/L	Average Monthly
04/01/2018	06/30/2018	05/09/2018	002	Yes	Final Effluent	Total Nitrogen	00600	74.2	74.2	Monitor and Report	mg/L	Average Monthly
07/01/2018	09/30/2018	11/16/2018	002	Yes	Final Effluent	Total Nitrogen	00600	< 3.6	3.6	Monitor and Report	mg/L	Average Monthly
10/01/2018	12/31/2018	12/14/2018	002	Yes	Final Effluent	Total Nitrogen	00600	< 5.4	5.4	Monitor and Report	mg/L	Average Monthly
01/01/2019	03/31/2019	04/12/2019	002	Yes	Final Effluent	Total Nitrogen	00600	6.7	6.7	Monitor and Report	mg/L	Average Monthly
04/01/2019	06/30/2019	07/15/2019	002	Yes	Final Effluent	Total Nitrogen	00600	108	108	Monitor and Report	mg/L	Average Monthly
07/01/2019	09/30/2019	11/12/2019	002	Yes	Final Effluent	Total Nitrogen	00600	107	107	Monitor and Report	mg/L	Average Monthly
10/01/2019	12/31/2019	11/12/2019	002	Yes	Final Effluent	Total Nitrogen	00600	13.7	13.7	Monitor and Report	mg/L	Average Monthly
								Max	**108.00**			
							TN	**Min**	**1.50**			
								Avg	**35.41**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and Avg	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	002	Yes	Final Effluent	Total Phosphorus	00665	3.3	3.3	Monitor and Report	mg/L	Average Monthly
10/01/2016	12/31/2016	01/04/2017	002	Yes	Final Effluent	Total Phosphorus	00665	1.2	1.2	Monitor and Report	mg/L	Average Monthly
01/01/2017	03/31/2017	02/15/2017	002	Yes	Final Effluent	Total Phosphorus	00665	1.1	1.1	Monitor and Report	mg/L	Average Monthly
04/01/2017	06/30/2017	05/11/2017	002	Yes	Final Effluent	Total Phosphorus	00665	0.65	0.65	Monitor and Report	mg/L	Average Monthly
07/01/2017	09/30/2017	11/06/2018	002	Yes	Final Effluent	Total Phosphorus	00665	1.2	1.2	Monitor and Report	mg/L	Average Monthly
10/01/2017	12/31/2017	10/27/2017	002	Yes	Final Effluent	Total Phosphorus	00665	0.65	0.65	Monitor and Report	mg/L	Average Monthly
01/01/2018	03/31/2018	05/08/2018	002	Yes	Final Effluent	Total Phosphorus	00665	3.2	3.2	Monitor and Report	mg/L	Average Monthly
04/01/2018	06/30/2018	05/09/2018	002	Yes	Final Effluent	Total Phosphorus	00665	9.5	9.5	Monitor and Report	mg/L	Average Monthly
07/01/2018	09/30/2018	11/16/2018	002	Yes	Final Effluent	Total Phosphorus	00665	1.2	1.2	Monitor and Report	mg/L	Average Monthly
10/01/2018	12/31/2018	12/14/2018	002	Yes	Final Effluent	Total Phosphorus	00665	0.53	0.53	Monitor and Report	mg/L	Average Monthly
01/01/2019	03/31/2019	04/12/2019	002	Yes	Final Effluent	Total Phosphorus	00665	2.1	2.1	Monitor and Report	mg/L	Average Monthly
04/01/2019	06/30/2019	07/15/2019	002	Yes	Final Effluent	Total Phosphorus	00665	2	2	Monitor and Report	mg/L	Average Monthly
07/01/2019	09/30/2019	11/12/2019	002	Yes	Final Effluent	Total Phosphorus	00665	2	2	Monitor and Report	mg/L	Average Monthly
10/01/2019	12/31/2019	11/12/2019	002	Yes	Final Effluent	Total Phosphorus	00665	3	3	Monitor and Report	mg/L	Average Monthly
								Max	**9.5000**			
							TP	**Min**	**0.5300**			
								Avg	**2.2593**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and Avg	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	002	Yes	Final Effluent	Total Suspended Solids	00530	1830	1830	Monitor and Report	mg/L	Average Monthly
10/01/2016	12/31/2016	01/04/2017	002	Yes	Final Effluent	Total Suspended Solids	00530	59	59	Monitor and Report	mg/L	Average Monthly
01/01/2017	03/31/2017	02/15/2017	002	Yes	Final Effluent	Total Suspended Solids	00530	158	158	Monitor and Report	mg/L	Average Monthly
04/01/2017	06/30/2017	05/11/2017	002	Yes	Final Effluent	Total Suspended Solids	00530	46	46	Monitor and Report	mg/L	Average Monthly
07/01/2017	09/30/2017	11/06/2018	002	Yes	Final Effluent	Total Suspended Solids	00530	15	15	Monitor and Report	mg/L	Average Monthly
10/01/2017	12/31/2017	10/27/2017	002	Yes	Final Effluent	Total Suspended Solids	00530	129	129	Monitor and Report	mg/L	Average Monthly
01/01/2018	03/31/2018	05/08/2018	002	Yes	Final Effluent	Total Suspended Solids	00530	220	220	Monitor and Report	mg/L	Average Monthly
04/01/2018	06/30/2018	05/09/2018	002	Yes	Final Effluent	Total Suspended Solids	00530	54	54	Monitor and Report	mg/L	Average Monthly
07/01/2018	09/30/2018	11/16/2018	002	Yes	Final Effluent	Total Suspended Solids	00530	15	15	Monitor and Report	mg/L	Average Monthly
10/01/2018	12/31/2018	12/14/2018	002	Yes	Final Effluent	Total Suspended Solids	00530	25	25	Monitor and Report	mg/L	Average Monthly
01/01/2019	03/31/2019	04/12/2019	002	Yes	Final Effluent	Total Suspended Solids	00530	91	91	Monitor and Report	mg/L	Average Monthly
04/01/2019	06/30/2019	07/15/2019	002	Yes	Final Effluent	Total Suspended Solids	00530	180	180	Monitor and Report	mg/L	Average Monthly
07/01/2019	09/30/2019	11/12/2019	002	Yes	Final Effluent	Total Suspended Solids	00530	180	180	Monitor and Report	mg/L	Average Monthly
10/01/2019	12/31/2019	11/12/2019	002	Yes	Final Effluent	Total Suspended Solids	00530	265	265	Monitor and Report	mg/L	Average Monthly
								Max	**1830.00**			
							TSS	**Min**	**15.00**			
								Avg	**233.36**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	003	Yes	Final Effluent	pH	00400	7.14	7.14	Monitor and Report	S.U.	Average Monthly
10/01/2016	12/31/2016	01/04/2017	003	Yes	Final Effluent	pH	00400	7.16	7.16	Monitor and Report	S.U.	Average Monthly
01/01/2017	03/31/2017	02/15/2017	003	Yes	Final Effluent	pH	00400	7.59	7.59	Monitor and Report	S.U.	Average Monthly
04/01/2017	06/30/2017	05/11/2017	003	Yes	Final Effluent	pH	00400	7.44	7.44	Monitor and Report	S.U.	Average Monthly
07/01/2017	09/30/2017	11/06/2018	003	Yes	Final Effluent	pH	00400	6.45	6.45	Monitor and Report	S.U.	Average Monthly
10/01/2017	12/31/2017	10/27/2017	003	Yes	Final Effluent	pH	00400	6.79	6.79	Monitor and Report	S.U.	Average Monthly
01/01/2018	03/31/2018	05/08/2018	003	Yes	Final Effluent	pH	00400	9.03	9.03	Monitor and Report	S.U.	Average Monthly
04/01/2018	06/30/2018	05/09/2018	003	Yes	Final Effluent	pH	00400	6.9	6.9	Monitor and Report	S.U.	Average Monthly
07/01/2018	09/30/2018	11/16/2018	003	Yes	Final Effluent	pH	00400	6.45	6.45	Monitor and Report	S.U.	Average Monthly
10/01/2018	12/31/2018	12/14/2018	003	Yes	Final Effluent	pH	00400	7.15	7.15	Monitor and Report	S.U.	Average Monthly
01/01/2019	03/31/2019	04/12/2019	003	Yes	Final Effluent	pH	00400	7.69	7.69	Monitor and Report	S.U.	Average Monthly
04/01/2019	06/30/2019	07/15/2019	003	Yes	Final Effluent	pH	00400	6.17	6.17	Monitor and Report	S.U.	Average Monthly
07/01/2019	09/30/2019	11/12/2019	003	Yes	Final Effluent	pH	00400	6.17	6.17	Monitor and Report	S.U.	Average Monthly
10/01/2019	12/31/2019	11/12/2019	003	Yes	Final Effluent	pH	00400	7.37	7.37	Monitor and Report	S.U.	Average Monthly
								Max	**9.0300**			
							pH	**Min**	**6.1700**			
								Avg	**7.1071**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	003	Yes	Final Effluent	Total Nitrogen	00600	6.10	6.1	Monitor and Report	mg/L	Average Monthly
10/01/2016	12/31/2016	01/04/2017	003	Yes	Final Effluent	Total Nitrogen	00600	14.2	14.2	Monitor and Report	mg/L	Average Monthly
01/01/2017	03/31/2017	02/15/2017	003	Yes	Final Effluent	Total Nitrogen	00600	3.7	3.7	Monitor and Report	mg/L	Average Monthly
04/01/2017	06/30/2017	05/11/2017	003	Yes	Final Effluent	Total Nitrogen	00600	19.2	19.2	Monitor and Report	mg/L	Average Monthly
07/01/2017	09/30/2017	11/06/2018	003	Yes	Final Effluent	Total Nitrogen	00600	< 57.5	57.5	Monitor and Report	mg/L	Average Monthly
10/01/2017	12/31/2017	10/27/2017	003	Yes	Final Effluent	Total Nitrogen	00600	< 2.2	2.2	Monitor and Report	mg/L	Average Monthly
01/01/2018	03/31/2018	05/08/2018	003	Yes	Final Effluent	Total Nitrogen	00600	195	195	Monitor and Report	mg/L	Average Monthly
04/01/2018	06/30/2018	05/09/2018	003	Yes	Final Effluent	Total Nitrogen	00600	139	139	Monitor and Report	mg/L	Average Monthly
07/01/2018	09/30/2018	11/16/2018	003	Yes	Final Effluent	Total Nitrogen	00600	< 57.5	57.5	Monitor and Report	mg/L	Average Monthly
10/01/2018	12/31/2018	12/14/2018	003	Yes	Final Effluent	Total Nitrogen	00600	< 10.3	10.3	Monitor and Report	mg/L	Average Monthly
01/01/2019	03/31/2019	04/12/2019	003	Yes	Final Effluent	Total Nitrogen	00600	1.9	1.9	Monitor and Report	mg/L	Average Monthly
04/01/2019	06/30/2019	07/15/2019	003	Yes	Final Effluent	Total Nitrogen	00600	6.5	6.5	Monitor and Report	mg/L	Average Monthly
07/01/2019	09/30/2019	11/12/2019	003	Yes	Final Effluent	Total Nitrogen	00600	6.5	6.5	Monitor and Report	mg/L	Average Monthly
10/01/2019	12/31/2019	11/12/2019	003	Yes	Final Effluent	Total Nitrogen	00600	24.4	24.4	Monitor and Report	mg/L	Average Monthly
								Max	**195.00**			
							TN	**Min**	**1.90**			
								Avg	**38.86**			

Monitoring Period start Date	Monitoring Period End Date	Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Value used for Max, Min, and Avg	Permit Limit	Units	Statistical Base Code
07/01/2016	09/30/2016	10/28/2016	003	Yes	Final Effluent	Total Phosphorus	00665	0.58	0.58	Monitor and Report	mg/L	Average Monthly
10/01/2016	12/31/2016	01/04/2017	003	Yes	Final Effluent	Total Phosphorus	00665	< 0.10	0.1	Monitor and Report	mg/L	Average Monthly
01/01/2017	03/31/2017	02/15/2017	003	Yes	Final Effluent	Total Phosphorus	00665	< 0.10	0.1	Monitor and Report	mg/L	Average Monthly
04/01/2017	06/30/2017	05/11/2017	003	Yes	Final Effluent	Total Phosphorus	00665	0.41	0.41	Monitor and Report	mg/L	Average Monthly
07/01/2017	09/30/2017	11/06/2018	003	Yes	Final Effluent	Total Phosphorus	00665	0.26	0.26	Monitor and Report	mg/L	Average Monthly
10/01/2017	12/31/2017	10/27/2017	003	Yes	Final Effluent	Total Phosphorus	00665	0.11	0.11	Monitor and Report	mg/L	Average Monthly
01/01/2018	03/31/2018	05/08/2018	003	Yes	Final Effluent	Total Phosphorus	00665	0.56	0.56	Monitor and Report	mg/L	Average Monthly
04/01/2018	06/30/2018	05/09/2018	003	Yes	Final Effluent	Total Phosphorus	00665	0.41	0.41	Monitor and Report	mg/L	Average Monthly
07/01/2018	09/30/2018	11/16/2018	003	Yes	Final Effluent	Total Phosphorus	00665	0.26	0.26	Monitor and Report	mg/L	Average Monthly
10/01/2018	12/31/2018	12/14/2018	003	Yes	Final Effluent	Total Phosphorus	00665	0.11	0.11	Monitor and Report	mg/L	Average Monthly
01/01/2019	03/31/2019	04/12/2019	003	Yes	Final Effluent	Total Phosphorus	00665	< 0.10	0.1	Monitor and Report	mg/L	Average Monthly
04/01/2019	06/30/2019	07/15/2019	003	Yes	Final Effluent	Total Phosphorus	00665	0.38	0.38	Monitor and Report	mg/L	Average Monthly
07/01/2019	09/30/2019	11/12/2019	003	Yes	Final Effluent	Total Phosphorus	00665	0.38	0.38	Monitor and Report	mg/L	Average Monthly
10/01/2019	12/31/2019	11/12/2019	003	Yes	Final Effluent	Total Phosphorus	00665	0.58	0.58	Monitor and Report	mg/L	Average Monthly
								Max	**0.5800**			
							TP	**Min**	**0.1000**			
								Avg	**0.3100**			