pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

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

Application Type	**Amendment, Major**	Application No.	**PA0244538**
Facility Type	**Industrial**	APS ID	**996944**
Major / Minor	**Minor**	Authorization ID	**1279586**

Applicant and Facility Information

Applicant Name	**Buckman's, Inc.**	Facility Name	**Buckman's Reverse Osmosis System**
Applicant Address	105 Airport Road	Facility Address	105 Airport Road
	Pottstown, PA 19464-3438		Pottstown, PA 19464-3438
Applicant Contact	Brian Good	Facility Contact	Brian Good
Applicant Phone	(610) 495-7495	Facility Phone	(610) 495-7495
Client ID	72881	Site ID	614892
SIC Code	2819	Municipality	Limerick Township
SIC Description	Manufacturing - Industrial Inorganic Chemicals, Nec	County	Montgomery
Date Application Received	June 24, 2019	EPA Waived?	Yes
Date Application Accepted	July 11, 2019	If No, Reason	

Purpose of Application: Major Amendment - addition of one outfall -Outfall 005.

Summary of Review

The permittee submitted a permit amendment application for the addition of Outfall 005 to their stormwater outfalls. This outfall was added for the recently modified detention basin C which receives discharge from a recently constructed underground stormwater basin to the north of the new warehouse building. The permittee is permitted to discharge industrial wastewater, stormwater, and uncontaminated groundwater to Possum Hollow Creek. The facility manufactures sodium hypochlorite for industrial and household uses such as swimming pools, etc. Wastewater generated by the manufacturing process is discharged to the municipal sewer system for treatment at Limerick Township's Possum Hollow STP, unless pH levels are high, in which case it is transported to Pottstown Borough STP. The concentrate is discharged to a drainage swale and pond through Outfall 001, located along the southwest side of the facility which ultimately discharges to Possum Hollow Run tributary to the Schuylkill River. There are two basins on the property that receive stormwater runoff (Outfalls 002 and 003). There are spring/groundwater discharge (004), located adjacent to Outfall 001, which is included in the permit with no monitoring requirements.

This permit amendment includes the following changes from the previous permit:

1. Addition of Outfall 005 reporting requirements.
2. Updated reporting requirements for Outfalls 002, 003, and 005.
3. TRC Minimization Language added to Part C of the permit.

Act 14 Notifications:

Montgomery County Commissioners - May 10, 2019
Limerick Township - May 10, 2019

Approve	Deny	Signatures	Date
X		Juan J. Vicenty-Gonzalez / Environmental Engineering Specialist /S/	October 3, 2019
X		Pravin C. Patel, P.E. / Environmental Engineer Manager /S/	10/7/2019

Summary of Review

Recommended Part C Conditions:

I. Other Requirements
A. Acquiring Necessary Property Rights
B. Sludge Disposal Requirements
C. WQM Permit Superseded by NPDES Permit
D. BAT/BCT Reopener
E. TRC Minimization
F. Discharge to Small Stream
II. Requirement Applicable to Stormwater Outfalls

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)	.012
Latitude	40º 14' 11.91"	Longitude	-75º 33' 14.34"
Quad Name	Phoenixville	Quad Code	1741
Wastewater Description:	Discharge of concentrated reject water from reverse osmosis water treatment system.		
Receiving Waters	Possum Hollow Run (WWF)	Stream Code	01640
NHD Com ID	25989264	RMI	2.5
Drainage Area	0.24 mi^2	Yield (cfs/mi^2)	0.1
Q_{7-10} Flow (cfs)	0.024	Q_{7-10} Basis	Default yield
Elevation (ft)	290	Slope (ft/ft)	0.0075
Watershed No.	3-D	Chapter 93 Class.	WWF
Existing Use	**None**	Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	N/A
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	PA American Water Company		
PWS Waters	Schuylkill River	Flow at Intake (cfs)	291.55
PWS RMI	46.0	Distance from Outfall (mi)	~ 4.5

Changes Since Last Permit Issuance: No Changes.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002 & 003	Design Flow (MGD)	0
Latitude	40º 14' 11.37"	Longitude	-75º 33' 14.92"
Quad Name	Phoenixville	Quad Code	1741
Wastewater Description:	Stormwater		
Receiving Waters	Possum Hollow Run (WWF)	Stream Code	01640
NHD Com ID	25989264	RMI	2.5
Drainage Area	0.24 mi^2	Yield (cfs/mi^2)	0.1
Q_{7-10} Flow (cfs)	0.024	Q_{7-10} Basis	Default yield
Elevation (ft)	290	Slope (ft/ft)	0.0075
Watershed No.	3-D	Chapter 93 Class.	WWF
Existing Use	**None**	Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	N/A
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	PA American Water Company		
PWS Waters	Schuylkill River	Flow at Intake (cfs)	291.55
PWS RMI	46.0	Distance from Outfall (mi)	~ 4.5

Changes Since Last Permit Issuance: No Changes.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	004	Design Flow (MGD)	0
Latitude	40º 14' 11.41"	Longitude	-75º 33' 14.88"
Quad Name	Phoenixville	Quad Code	1741
Wastewater Description:	Groundwater / Spring Discharge		
Receiving Waters	Possum Hollow Run (WWF)	Stream Code	01640
NHD Com ID	25989264	RMI	2.5
Drainage Area	0.24 mi^2	Yield (cfs/mi^2)	0.1
Q_{7-10} Flow (cfs)	0.024	Q_{7-10} Basis	Default yield
Elevation (ft)	290	Slope (ft/ft)	0.0075
Watershed No.	3-D	Chapter 93 Class.	WWF
Existing Use	**None**	Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	N/A
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	PA American Water Company		
PWS Waters	Schuylkill River	Flow at Intake (cfs)	291.55
PWS RMI	46.0	Distance from Outfall (mi)	~ 4.5

Changes Since Last Permit Issuance: No Changes**.**

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	005	Design Flow (MGD)	0
Latitude	40º 14' 12.09"	Longitude	-75º 33' 14.18"
Quad Name	Phoenixville	Quad Code	1741
Wastewater Description:	Stormwater		
Receiving Waters	Possum Hollow Run (WWF, MF)	Stream Code	01640
NHD Com ID	25989264	RMI	0.1200
Drainage Area	0.24 mi^2	Yield (cfs/mi^2)	0.1
Q_{7-10} Flow (cfs)	0.024	Q_{7-10} Basis	Default yield
Elevation (ft)	290	Slope (ft/ft)	0.0075
Watershed No.	3-D	Chapter 93 Class.	WWF, MF
Existing Use	**None**	Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	N/A
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	PA American Water Company		
PWS Waters	Schuylkill River	Flow at Intake (cfs)	291.55
PWS RMI	46.0	Distance from Outfall (mi)	~ 4.5

Changes Since Last Permit Issuance: New Outfall.

Treatment Facility Summary				
Treatment Facility Name: Buckman's Reverse Osmosis System				
WQM Permit No.	**Issuance Date**			
Waste Type	**Degree of Treatment**	**Process Type**	**Disinfection**	**Avg Annual Flow (MGD)**
Industrial				
Hydraulic Capacity (MGD)	**Organic Capacity (lbs/day)**	**Load Status**	**Biosolids Treatment**	**Biosolids Use/Disposal**

Changes Since Last Permit Issuance: No Changes in the Treatment Facility since the last permit issuance.

Compliance History	
Summary of DMRs:	One year of DMR data below.
Summary of Inspections:	Summary of inspection included in the below table.

Buckan's Inc. - PA024453- Limerick Township, Montgomery County – Inspection Summary

INSP ID	INSPECTED DATE	INSP TYPE	INSPECTION RESULT DESC	INSPECTOR ID	INSPECTOR	CREATION DATE	UPDATE DATE	# OF VIOLATIONS
2547103	11/02/2016	Compliance Evaluation	No Violations Noted	00065724	JARDEL, PAUL	12/27/2016		0
2466846	02/12/2016	Follow-up Inspection	No Violations Noted	00065724	JARDEL, PAUL	03/22/2016		0
2826864	11/19/2018	Compliance Evaluation	No Violations Noted	00065724	JARDEL, PAUL	01/15/2019		0
2674663	11/30/2017	Compliance Evaluation	Violation(s) Noted	00065724	JARDEL, PAUL	12/26/2017	01/15/2019	1
2915028	07/30/2019	Routine/Partial Inspection	No Violations Noted	00065724	JARDEL, PAUL	08/05/2019		0

Buckan's Inc. - PA024453- Limerick Township, Montgomery County – Violations Summary

VIOL ID	VIOLATION DATE	VIOLATION TYPE	VIOLATION TYPE DESC	RESOLVED DATE	INSP ID	INSPECTED DATE	INSP TYPE	INSPECTOR
804717	11/30/2017	91.34(A)	CSL - Failure to take necessary measures to prevent pollutants from reaching waters of the Commonwealth	11/19/2018	2674663	11/30/2017	Compliance Evaluation	JARDEL, PAUL

Compliance History

DMR Data for Outfall 001 (from August 1, 2018 to July 31, 2019)

Parameter	JUL-19	JUN-19	MAY-19	APR-19	MAR-19	FEB-19	JAN-19	DEC-18	NOV-18	OCT-18	SEP-18	AUG-18
Flow (MGD) Average Monthly	0.006398	0.0705991	0.008366	0.008195	0.0084362	0.005886	0.005837	0.005467	0.005093	0.005972	0.006663	0.00688
Flow (MGD) Daily Maximum	0.009819	0.01961	0.010763	0.01113	0.012204	0.010049	0.009862	0.008412	0.009108	0.009448	0.009638	0.009947
pH (S.U.) Instantaneous Minimum	7.82	8.02	7.69	7.57	8.24	8.32	8.15	7.91	8.06	7.85	7.68	8.25
pH (S.U.) Instantaneous Maximum	8.14	8.05	8.02	8.33	8.46	8.68	8.45	8.12	8.46	8.3	7.96	8.39
TRC (mg/L) Average Monthly	0.11	0.13	0.154	0.11	0.08	0.07	0.09	0.0575	0.08	0.06	0.06	0.072
TRC (mg/L) Instantaneous Maximum	0.14	0.15	0.18	0.16	0.1	0.1	0.1	0.07	0.1	0.09	0.09	0.1
TSS (mg/L) Average Monthly	< 2.5	< 2.5	< 2.55	< 2.5	< 1.8	< 1.0	< 1.0	< 1.0	< 1.1	< 1.05	< 1.25	< 1.3
TSS (mg/L) Daily Maximum	< 2.5	< 2.5	< 2.6	< 2.5	< 2.6	< 1.0	< 1.0	< 1.0	1.2	< 1.1	< 1.3	< 1.3
Total Dissolved Solids (mg/L) Average Monthly	933.3	805.0	690.0	645.0	610.0	805.0	645.0	440.0	660.0	780.0	630.0	725.0
Total Dissolved Solids (mg/L) Daily Maximum	980.0	820.0	730.0	680.0	710.0	900.0	690.0	560.0	700.0	840.0	770.0	740.0

DMR Data for Outfall 002 (from August 1, 2018 to July 31, 2019)

Parameter	JUL-19	JUN-19	MAY-19	APR-19	MAR-19	FEB-19	JAN-19	DEC-18	NOV-18	OCT-18	SEP-18	AUG-18
pH (S.U.) Daily Maximum								GG				
CBOD5 (mg/L) Daily Maximum								GG				
COD (mg/L) Daily Maximum								GG				
TSS (mg/L) Daily Maximum								GG				

Oil and Grease (mg/L) Daily Maximum								GG				
Fecal Coliform (No./100 ml) Daily Maximum								GG				
TKN (mg/L) Daily Maximum								GG				
Total Phosphorus (mg/L) Daily Maximum								GG				
Total Iron (mg/L) Daily Maximum								GG				

DMR Data for Outfall 003 (from August 1, 2018 to July 31, 2019)

Parameter	JUL-19	JUN-19	MAY-19	APR-19	MAR-19	FEB-19	JAN-19	DEC-18	NOV-18	OCT-18	SEP-18	AUG-18
pH (S.U.) Daily Maximum								7.56				
CBOD5 (mg/L) Daily Maximum								6.1				
COD (mg/L) Daily Maximum								18.2				
TSS (mg/L) Daily Maximum								186				
Oil and Grease (mg/L) Daily Maximum								< 5.0				
Fecal Coliform (No./100 ml) Daily Maximum								535				
TKN (mg/L) Daily Maximum								1.74				
Total Phosphorus (mg/L) Daily Maximum								186				
Total Iron (mg/L) Daily Maximum								13.5				

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** .012
Latitude 40º 14' 5.00" **Longitude** -75º 33' 8.00"
Wastewater Description: Effluent from reverse osmosis water treatment system

For the process waste discharged through Outfall 001, monitoring requirements are unchanged from the current permit. Outfall 001 receives only reject water from the RO system. The design flow of the system is 0.012 mgd. The facility uses portable water from an onsite well in the process. Current permit includes limits for Total Dissolved Solids (TDS), Total Suspended Solids (TSS), pH, and Total Residual Chlorine (TRC). Limits for those pollutants are TDS = 2,000 mg/l base on Ch. 95.10(c), TSS = 30 mg/l as monthly average (secondary treatment), pH = 6-9 SU (Ch. 95.2(1)), and TRC = 0.5 mg/l as a monthly average (Ch. 92a.48(b)(2)).

Development of Effluent Limitations

Outfall No. 004 **Design Flow (MGD)** 0
Latitude 40º 14' 5.00" **Longitude** -75º 33' 9.00"
Wastewater Description: Groundwater / Spring Discharge

No reporting requirements, discharge from uncontaminated groundwater.

Development of Effluent Limitations

Outfall No. 002 **Design Flow (MGD)** 0
Latitude 40º 14' 16.00" **Longitude** -75º 33' 10.00"
Wastewater Description: Stormwater

Outfall No. 003 **Design Flow (MGD)** 0
Latitude 40º 14' 14.00" **Longitude** -75º 33' 6.00"
Wastewater Description: Stormwater

Best Professional Judgment (BPJ) Limitations

Upon request requirement for the below reporting requirements for Outfall 002 will remain in this permit. Outfall 003 reporting requirements were updated as part of this permit amendment for the addition of stormwater Outfall 005. The reporting requirements were updated per requirements for industrial facilities with SIC code of 2819 with the applicable PAG-03 Appendix F. The Appendix F monitoring parameters are: pH, Chemical Oxygen Demand, Total Suspended Solids, Nitrate+Nitrite-Nitrogen, Total Phosphorus, Total Lead, Zinc, Total Iron, and Total Aluminum. The only monitoring requirements kept from the current permit are Fecal Coliform and Oil and Grease. Fecal Coliform was kept because of the eDMR data for Outfall 003 was higher than the wastewater permit limit of 200 No./100 ml. Oil and Grease was kept because stormwater directed to the basins come from areas truck and automobile traffic. Monitor frequency of once per year will remain in this permit renewal.

Outfall No. 005 **Design Flow (MGD)** 0
Latitude 40º 14' 11.00" **Longitude** -75º 33' 11.00"
Wastewater Description: Stormwater

Technology-Based Limitations

Outfall 005 parameters are based on the industrial facility SIC code of 2819 with the applicable PAG-03 Appendix F. The Appendix F monitoring parameters are: pH, Chemical Oxygen Demand, Total Suspended Solids, Nitrate+Nitrite-Nitrogen, Total Phosphorus, Total Lead, Zinc, Total Iron, and Total Aluminum. Additional parameters added to Outfall 005 reporting requirements are Fecal Coliform and Oil & Grease. This was done to be consistent with Outfalls 002 & 003 reporting requirements. Once per year monitor frequency was also used for Outfall 005.

Benchmark Values

The permit will include benchmark values for COD (120 mg/l) and TSS (100 mg/l). Benchmark requirements are included in Part C. of the permit.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Metered
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/week	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.2	1/week	Grab
TSS	XXX	XXX	XXX	30.0	60.0	75	2/month	8-Hr Composite
Total Dissolved Solids	XXX	XXX	XXX	2000.0	4000.0	5000	2/month	8-Hr Composite

Other Comments: Amendment for the addition of Outfall 005. No changes to Outfall 001.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 002, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Nitrate-Nitrite as N	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	Upon Request	Grab

Other Comments: Amendment for the addition of Outfall 005. Reporting parameters of stormwater outfalls updated with parameters from Appendix F.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 003, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Nitrate-Nitrite as N	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab

Other Comments: Amendment for the addition of Outfall 005. Reporting parameters of stormwater outfalls updated with parameters from Appendix F.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 004, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) [1]		Concentrations (mg/L)				Minimum [2] Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		

Other Comments: Amendment for the addition of Outfall 005. No changes to Outfall 004.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 005, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Nitrate-Nitrite as N	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab

Other Comments: Amendment for the addition of Outfall 005. Reporting parameters are the same as the other stormwater outfalls with parameters from Appendix F.