State of New Jersey

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Governor

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Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
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BOB MARTIN
Commissioner

December 14, 2016

To: Distribution List

Re: **Final RENEWAL Discharge to Surface Water (DSW) Consolidated Master General Permit**
Category: ASC School General Permit (GP)
NJPDES Permit No. NJ0193381
NJPDES MASTER GENERAL PERMIT PROGRAM INTEREST

Dear Interested Parties:

Enclosed is a final New Jersey Pollutant Discharge Elimination System (NJPDES) permit action identified above which has been issued in accordance with N.J.A.C. 7:14A. Notice of the draft action appeared in four newspapers to represent all applicable New Jersey counties and was published in the Department's November 2, 2011 *DEP Bulletin.* The public comment period closed on December 11, 2011. No comments were received on the draft permit.

As of this time, individual authorizations will be issued for the following facilities under this master general permit:

NJPDES No.	Facility	Permitted Flow (MGD)
NJ0020419	Long Pond School WTP	0.01
NJ0020711	Warren County Technical School STP	0.012
NJ0021091	Jefferson Township High - Middle School	0.0275
NJ0021105	Arthur Stanlick School	0.007095
NJ0021253	Indian Hills High School	0.0336
NJ0021571	Springfield Township Elementary	0.0075
NJ0022101	Blair Academy	0.05
NJ0022276	Stony Brook School	0.01
NJ0022438	Helen A. Fort Middle School	0.05
NJ0023001	Salvation Army Camp Tecumseh	0.018
NJ0023175	Round Valley Middle School	0.009
NJ0023311	Kingwood Township School	0.0048
NJ0023841	Lounsberry Hollow Middle School	0.032
NJ0024091	Union Township Elementary	0.011
NJ0027049	Pope John XXIII High School	0.022
NJ0027065	Sparta Alpine School	0.025
NJ0027553	Lester D. Wilson Elementary	0.0075
NJ0028894	Kittatiny Regional HS Board of Ed	0.045
NJ0029432	Robert Erskine School	0.008
NJ0031046	North Warren Regional School District	0.02
NJ0031585	High Point Regional High School	0.03
NJ0035670	Alexandria Middle School	0.0099

Upon issuance, individual renewal authorizations will become effective on January 1, 2017. Until such time as the new permit takes effect, the existing permit conditions will continue to remain in full force and effect pursuant to N.J.A.C. 7:14A-2.8.

As per N.J.A.C. 7:14A-4.2(e)3, any person planning to continue discharging after the expiration date of an existing NJPDES permit shall file an application for renewal at least 180 calendar days prior to the expiration of the existing permit.

All monitoring shall be conducted in accordance with 1) the Department's "Field Sampling Procedures Manual" applicable at the time of sampling (N.J.A.C. 7:14A-6.5(b)4), and/or 2) the method approved by the Department in Part IV of the permit. The Field Sampling Procedures Manual is available at http://www.nj.gov/dep/srp/guidance/fspm/.

Please note, on October 22, 2015, the U.S. Environmental Protection Agency (EPA) promulgated the final National Pollutant Discharge Elimination System (NPDES) Electronic Reporting Rule (see Federal Register 80:204 p. 64064). This rule requires entities regulated under the Clean Water Act NPDES program to report certain information electronically instead of filing paper reports. Consistent with this rule, please be advised that the existing reporting requirements contained within your permit have been moved and/or modified. **In other words this permit requires you to electronically report monthly monitoring report forms.** Please refer to Parts II and IV of your permit for further details regarding the new reporting requirements. To view the final rule, please visit https://www.gpo.gov/fdsys/pkg/FR-2015-10-22/pdf/2015-24954.pdf. Information on how to enroll in electronic reporting may be obtained from the Department's website at www.nj.gov/dep/dwq/mrf.htm.

Questions or comments regarding the final action should be addressed to Tara Klimowicz or Brian Salvo by phone at (609) 292-4860 or email tara.klimowicz@dep.state.nj.us or brian.salvo@dep.state.nj.us.

Sincerely,

Susan Rosenwinkel

Susan Rosenwinkel
Section Chief
Bureau of Surface Water Permitting

Enclosures

cc: Permit Distribution List
Masterfile #: 39609; PI #: 50577

Table of Contents for the Master Final Permit

This permit package contains the items below:

Long Pond School - NJG0020419

1 Facility Description:

NJPDES Flow Value: 0.01 MGD

Treatment Units:
1. Bar screen
2. Comminutor
3. Aeration tank
4. Clarifier
5. Sand filters
6. Ultraviolet (UV) Disinfection
7. Flow monitoring

Sludge generated at the facility is managed off-site at an approved residuals management operation.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Lake Illiff	Downstream Confluences:	NA
Via :	Via unnamed Tributary	Receiving River Basin:	Delaware River Basin
Classification:	FW2-TM (C1)	Watershed Management Area:	01
Latitude:	41° 01’ 53.7”	Watershed:	Pequest River (above /include Bear Swamp)
Longitude:	74° 42’ 35.4”	Subwatershed:	New Wawayanda Lake/Andover Pond trib
County:	Sussex	14 digit Hydrologic Unit Code :	02040105070020
Municipality:	Newton Town	Water Quality Impairments:	None
Outfall Description			
Outfall Configuration:	Non-submerged pipe		

Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	0.0 cfs	MA1CD10 (1Q10) summer:	0.0 cfs
MA7CD10 / 7Q10:	0.0 cfs	MA1CD10 (1Q10) winter:	0.0 cfs
75th percentile flow:	0.1 cfs	MA30CD10 (30Q10) summer:	0.0 cfs
		MA30CD10 (30Q10) winter:	0.1 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0020419):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.001 0.004	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.02 0.02 7 / 22	0.94 1.4	0.94 1.4	1/Month	1/Month

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	4.50 4.50 7 / 22	25 37.5	25 37.5	1/Month	1/Month
Influent BOD_5	mg/L	Monthly Avg. Weekly Avg.	336 336	MR MR	MR MR	1/Month	1/Month
BOD_5 Min. Percent Removal	%	Monthly Avg.	98.66	90	90	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.02 0.02 22 / 7	1.1 1.7	1.1 1.7	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	4.18 4.18 22 / 7	30 45	30 45	1/Month	1/Month
Influent Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	440 440	MR MR	MR MR	1/Month	1/Month
TSS Min. Percent Removal	%	Monthly Avg.	98.6	85	85	1/Month	1/Month
Total Dissolved Solids (TDS)	mg/L	Monthly Avg. Daily Max.	-- --	-- --	MR MR	--	1/Quarter
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	-- --	-- --	MR MR	--	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Daily Max	0.001 0.001	MR --	MR --	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Daily Max	0.24 --	1.0 -- TMDL	1.0 -- TMDL	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND	6.13 6.13 8 / 21	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max. # Det. / # ND	<1.0 <1.0 0 / 3	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Monthly Avg Daily Avg. Min.	7.80 7.71	5.0 6.0	5.0 6.0	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Instant Max. # Det. / # ND	<2.29 - <5.0 <2.29 - <5.0 0 / 13	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	4.5 11.96 22	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	4.05 7.9	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N) May 1 – Oct 31	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.0009 0.002 6 / 6	0.13 0.19	0.13 0.19	1/Month	1/Month
Ammonia (Total as N) May 1 – Oct 31	mg/L	Monthly Avg. Daily Max. # Det. / # ND	0.12 0.2 6 / 6	3.5 5.1	3.5 5.1	1/Month	1/Month
Ammonia (Total as N) Nov 1 – Apr 30	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.0098 0.04 10 / 7	0.18 0.26	0.18 0.26	1/Month	1/Month
Ammonia (Total as N) Nov 1 – Apr 30	mg/L	Monthly Avg. Daily Max. # Det. / # ND	1.69 7.05 10 / 7	4.7 6.9	4.7 6.9	1/Month	1/Month
Copper Total Recoverable	g/day	Monthly Avg. Daily Max. # Det. / # ND	0.07 0.14 3 / 0	MR MR	MR MR	1/Year	1/Year (2)
Copper Total Recoverable	µg/L	Monthly Avg. Daily Max. # Det. / # ND	14.03 18.1 3 / 0	MR MR	MR MR	1/Year	1/Year (2)
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	% effluent	Minimum # Det. # ND	21.5 21.5, 78.8, 84.6 >100 (10 samples)	61	61	1/Quarter	1/Year

Footnotes and Abbreviations:

MR Monitor and report only

TMDL Total Maximum Daily Load

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.
(2) Monitoring is required as an annual WCR requirement.

Warren County Technical School STP - NJG0020711

1 Facility Description:

NJPDES Flow Value: 0.012 MGD

Treatment Units:
1. Bar Screen (1 unit)
2. Aerated Equalization Tank (1 unit)
3. Comminutor
4. Activated Sludge Process
   a. Aeration Tank (1 unit)
   b. Settling Tank (1 unit)
5. Secondary Settling Tank (1 unit)
5. Chlorine Contact Tank (1 unit)
6. Dechlorination Chamber (1 unit)
7. Aeration Tower (1 unit)

Sludge is stored in a holding tank before being managed at an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Pohatcong Creek	Downstream Confluences:	Delaware River
Via :	Outfall pipe	Receiving River Basin:	Delaware River Basin
Classification (a):	FW2-TM (C1)	Watershed Management Area:	01
Latitude:	40° 44’ 23.7”	Watershed:	Pohatcong Creek
Longitude:	75° 01’ 13.1”	Subwatershed:	Pohatcong Ck (Edison Rd – Brass Castle Ck)
County:	Warren County	14 digit Hydrologic Unit Code:	02040105140030
Municipality:	Franklin Township	Water Quality Impairments:	TP, TSS, Arsenic, pH
Outfall Description			
Outfall Configuration:	non-submerged pipe		
Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	3.0 cfs	MA1CD10 (1Q10) summer:	3.0 cfs
MA7CD10 / 7Q10:	3.3 cfs	MA1CD10 (1Q10) winter:	3.0 cfs
75th percentile flow:	11.0 cfs	MA30CD10 (30Q10) summer:	3.8 cfs
		MA30CD10 (30Q10) winter:	6.8 cfs

(a) The Receiving Waterbody Classification has changed since the 1/1/12 Master General Permit.
* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0020711):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.005 0.02	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg.	0.16 0.18 23 / 12	1.14 1.14	1.14 1.14	1 / Month	1 / Month
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	7.50 9.93 23 / 12	25 25	25 25	1 / Month	1 / Month
Influent BOD_5	mg/L	Monthly Avg. Weekly Avg.	299 299	MR MR	MR MR	1 / Month	1 / Month
BOD_5 Min Percent Removal	%	Monthly Avg.	97.4	90	90	1 / Month	1 / Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.13 0.14 23 / 12	1.36 2.04	1.36 2.04	1 / Month	1 / Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	6.51 7.67 23 / 12	30 45	30 45	1 / Month	1 / Month
Influent TSS	mg/L	Monthly Avg. Weekly Avg.	442 442	MR MR	MR MR	1 / Month	1 / Month
TSS Minimum Percent Removal	%	Monthly Avg.	98.6	85	85	1 / Month	1 / Month
Total Dissolved Solids (TDS)	mg/L	Monthly Avg. Daily Max.	-- --	-- --	MR MR	--	1/Quarter
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	0.91 1.99	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	35.4 65.9	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	0.09 0.09	MR MR	MR MR	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	4.28 4.28	MR MR	MR MR	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND	28.1 453 12 / 23	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max.	<1.0 - <2.0 <1.0 - <2.0	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Instant. Min. Daily Avg.	6.1 8.4	5.0 6.0	5.0 6.0	1 / Month	1 / Month
Oil and Grease	mg/L	Monthly Avg. Instant Max. # Det. / # ND	5.6 5.6 1 / 11	10 15	10 15	1 / Quarter	1 / Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	0.9 14.63 31	MR MR MR	MR MR MR	1 / Day	1 / Day
Effluent pH	su	Instant. Min. Instant. Max.	6.05 8.5	6.0 9.0	6.0 9.0	1 / Day	1 / Day
Ammonia (Total as N) May 1 – Oct 31	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.05 0.05 15 / 3	0.91 MR	0.91 MR	1 / Month	1 / Month
Ammonia (Total as N) May 1 – Oct 31	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	0.32 0.32 15 / 3	20 MR	20 MR	1 / Month	1 / Month
Ammonia (Total as N) Nov 1 – Apr 30	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.02 0.02 16 / 1	0.91 MR	0.91 MR	1 / Month	1 / Month
Ammonia (Total as N) Nov 1 – Apr 30	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	0.88 0.88 16 / 1	20 MR	20 MR	1 / Month	1 / Month
Chlorine Produced Oxidants	kg/d	Monthly Avg. Daily Max.	0.0010 0.008	MR 0.005	MR 0.005	1 / Day	1 / Day
Chlorine Produced Oxidants	mg/L	Monthly Avg. Daily Max.	0.04 0.09	MR 0.1	MR 0.1	1 / Day	1 / Day

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Copper Total Recoverable	µg/L	Monthly Avg. Daily Max. # Det. / # ND	21.5 27.1 4 / 0	MR MR	MR MR	1/Year (2)	1/Year (2)
Acute Toxicity, LC50 *Pimephales promelas*	%	Minimum	>100 (3 samples)	50 AL	50 AL	1 / Year	1 / Year

Footnotes and Abbreviations:
MR Monitor and report only AL Action Level

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.
(2) Monitoring is required as an annual WCR requirement.

Jefferson Township High-Middle School - NJG0021091

1 Facility Description:

NJPDES Flow Value: 0.0275 MGD

Treatment Units:
1. Comminutor
2. Aerated equalization tank
3. Aeration tank
4. Clarifier
5. Tertiary sand filters
6. Ultraviolet disinfection chamber
7. Post aeration tank

Sludge Management: Sludge removed from the clarifier is transferred to an aerobic digester before being managed at an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Russia Brook	Downstream Confluences:	Rockaway River, Passaic River
Via :	Unnamed Tributary (locally known as Edison Brook)	Receiving River Basin:	Passaic River Basin
Classification:	FW2-TM (C1)	Watershed Management Area:	06
Latitude:	41° 01’ 05.3”	Watershed:	Rockaway River
Longitude:	74° 32’ 59.7”	Subwatershed:	Russia Brook (below Milton)
County:	Morris	14 digit Hydrologic Unit Code:	02030103030020
Municipality:	Jefferson Township		
Outfall Description			
Outfall Configuration:	headwall		

Current Receiving Stream Design Low Flow Values *	
MA1CD10 / 1Q10: 0.1 cfs	MA1CD10 (1Q10) summer: 0.1 cfs
MA7CD10 / 7Q10: 0.1 cfs	MA1CD10 (1Q10) winter: 0.1 cfs
75th percentile flow (f): 0.5 cfs	MA30CD10 (30Q10) summer: 0.1 cfs
	MA30CD10 (30Q10) winter: 0.3 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0021091):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.009 0.009	MR MR	MR MR	Continuous	Continuous
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	kg/d	Monthly Avg. Weekly Avg.	0.087 0.087	0.85 1.25	0.85 1.25	1/Month	1/Month
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	mg/L	Monthly Avg. Weekly Avg.	2.30 2.30	8 12	8 12	1/Month	1/Month
Influent $CBOD_5$	mg/L	Monthly Avg. Weekly Avg.	153 153	MR MR	MR MR	1/Month	1/Month
$CBOD_5$ Min Percent Removal	%	Monthly Avg.	97.4	85	85	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg.	0.17 0.17	3.1 4.7	3.1 4.7	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	4.86 4.86	30 45	30 45	1/Month	1/Month
Influent TSS	mg/L	Monthly Avg. Weekly Avg.	253 253	MR MR	MR MR	1/Month	1/Month
TSS Minimum Percent Removal	%	Monthly Avg.	97.1	85	85	1/Month	1/Month
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	1.03 2.19	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	36.2 58.5	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	0.013 0.013	-- --	-- --	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	0.20 0.20	1.0 1.5 TMDL	1.0 1.5 TMDL	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg.	1.52 1.52	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	1.0 1.0	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Daily Avg. Instant Min	8.76 6.4	6.0 5.0	6.0 5.0	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Instant Max.	1.61 2.3	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	3.2 15.4 25.8	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.13 8.04	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N) DO based May 1 – Oct 31	kg/d	Monthly Avg. Weekly Avg.	0.004 0.011	0.2 0.3	0.2 0.3	1/Month	1/Month
Ammonia (Total as N) DO based May 1 – Oct 31	mg/L	Monthly Avg. Weekly Avg.	0.11 0.27	2.0 3.0	2.0 3.0	1/Month	1/Month
Ammonia (Total as N) Nov 1 – April 30	kg/d	Monthly Avg. Daily Max.	0.001 0.01	0.42 0.6	0.42 0.6	1/Month	1/Month
Ammonia (Total as N) Nov 1 – April 30	mg/L	Monthly Avg. Daily Max.	0.16 0.45	4.0 5.8	4.0 5.8	1/Month	1/Month
Copper Total Recoverable	µg/L	Monthly Avg. Daily Max. # Det. / # ND	11.9 27.0 4 / 0	MR MR	MR MR	1/Year (2)	1/Year (2)

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Chronic Toxicity, IC25, *Ceriodaphnia dubia*	% effluent	Minimum	>100 (3 samples)	18	18	1/ Year	1/ Year

Footnotes and Abbreviations:
MR Monitor and report only TMDL Total Maximum Daily Load

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.
(2) Monitoring is required as an annual WCR requirement.

Arthur Stanlick School - NJG0021105

1 Facility Description:

NJPDES Flow Value: 0.007095 MGD

Treatment Units:
1. Trash trap tank
2. Raw wastewater equalization tank
3. Membrane bioractor (MBR)
4. Ultra violet disinfection
5. Post-aeration tank
6. Chemical addition facilities for alum, methanol and sodium hydroxide (added to MBR as needed)

Sludge Management: Sludge is stored in a sludge holding tank before being managed at an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Lake Shawnee	Downstream Confluences:	Lake Hopatcong, Musconetcong River, Delaware River
Via :	Unnamed Tributary	Receiving River Basin:	Delaware River
Classification:	FW2-NT(C2)	Watershed Management Area:	01
Latitude:	40° 58’ 16.9”	Watershed:	Musconetcong River (above Trout Brook)
Longitude:	74° 35’ 27.5”	Subwatershed:	Lake Hopatcong
County:	Morris	14 digit Hydrologic Unit Code:	02040105150020
Municipality:	Jefferson Twp.	Water Quality Impairments:	pH, PCB in fish tissue
Outfall Description			
Outfall Configuration	Partially/seasonally submerged pipe	Submerged Pipe Characteristics:	Pipe is approximately 2-3” below the high water line during submergence season

Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	0.0 cfs	MA1CD10 (1Q10) summer:	0.0 cfs
MA7CD10 / 7Q10:	0.0 cfs	MA1CD10 (1Q10) winter:	0.0 cfs
75th percentile flow:	0.2 cfs	MA30CD10 (30Q10) summer:	0.0 cfs
		MA30CD10 (30Q10) winter:	0.1 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0021105):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 3/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.00811 0.09	MR MR	MR MR	Continuous	Continuous
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	kg/d	Monthly Avg. Weekly Avg.	0.0453 0.0453	MR MR	MR MR	1/Month	1/Month
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	mg/L	Monthly Avg. Weekly Avg.	2.2 2.2	25 40	25 40	1/Month	1/Month
Influent $CBOD_5$	mg/L	Monthly Avg. Weekly Avg.	214 214	MR MR	MR MR	1/Month	1/Month
$CBOD_5$ Min Percent Removal	%	Monthly Avg.	97.6	85	85	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND.	1.45 1.45 25 / 11	MR MR	MR MR	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND.	22.3 22.3 25 / 11	30 45	30 45	1/Month	1/Month
Influent TSS	mg/L	Monthly Avg. Weekly Avg.	1148 1148	MR MR	MR MR	1/Month	1/Month
TSS Min Percent Removal	%	Monthly Avg.	95.4	85	85	1/Month	1/Month
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	0.42 (2) 2.2	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	32.7 (2) 63.1	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	0.033 0.038	MR MR	MR MR	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	0.16 0.16	0.561 MR TMDL	0.561 MR TMDL	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND.	1.56 1.56 36 / 0	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	2 5	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Daily Avg. Instant Min.	7.7 6.13	5.0 4.0	5.0 4.0	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Instant Max. # Det. / # ND.	1.54 2.1 12 / 0	10 15	10 15	1/Quarter	1/Quarter
Influent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	6.62 17.1 26.4	MR MR MR	-- -- --	1/Day	1/Day
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	6.3 17.8 27.6	MR MR MR	MR MR MR	1/Day	1/Day
Influent pH	su	Instant. Min. Instant. Max.	6.02 9.05	MR MR	-- --	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.09 8.76	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N) DO based May 1 – Oct 31	kg/d	Monthly Avg. Daily Max. # Det. / # ND.	0.0023 0.01 12 / 0	MR MR	MR MR	1/Month	1/Month

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Ammonia (Total as N) DO based May 1 – Oct 31	mg/L	Monthly Avg. Daily Max. # Det. / # ND.	0.092 0.19 12 / 0	4.5 6.6	4.5 6.6	1/Month	1/Month
Ammonia (Total as N) Nov 1 – Apr 30	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.005 0.06 17 / 0	MR 0.21	MR 0.21	1/Month	1/Month
Ammonia (Total as N) Nov 1 – Apr 30	mg/L	Monthly Avg. Daily Max. # Det. / # ND.	0.18 0.54 18 / 0	MR 8.0	MR 8.0	1/Month	1/Month
Total Recoverable Copper	g/day	Monthly Avg. Daily Max. # Det. / # ND.	0.199 2.24 27 / 7	MR 0.57	MR 0.57	1/Quarter	1/Quarter
Total Recoverable Copper	ug/L	Monthly Avg. Daily Max. # Det. / # ND.	6.48 20.4 34 / 0	MR 21.3	MR 21.3	1/Quarter	1/Quarter
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	% effluent	Minimum	>100 (2 samples)	61	61	1/ Year	1/ Year

Footnotes and Abbreviations:
MR Monitor and report only TMDL Total Maximum Daily Load

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.
(2) Permittee reported "0" twice which was not considered in average calculations as it appears to be an error.

Indian Hills High School – NJG0021253

1 Facility Description:

NJPDES Flow Value: 0.0336 MGD

Treatment Units:
1. Equalization Basin (metal with cathodic protection)
2. Aeration Basin (metal with cathodic protection)
3. Settling Tank (metal with cathodic protection)
4. Mechanical Filters (sand and charcoal filters)
5. Backwash Holding Tank (metal with cathodic protection)
6. Holding Tank for Ultra Violet Units (concrete)
7. Holding Tank for Flow meter (concrete)

Sludge Management: Sludge generated at this facility is managed off-site at an approved residuals management operation.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Pond Brook via drainage ditch	Downstream Confluences:	Ramapo River, Pompton L.
Via :	Outfall pipe	Receiving River Basin:	Passaic River Basin
Classification (a):	FW2-NT(C2)	Watershed Management Area:	03
Latitude:	41° 01' 26.2"	Watershed:	Ramapo River
Longitude:	74° 13' 55.1"	Subwatershed:	Crystal Lake/ Pond Brook
County:	Bergen	14 digit Hydrologic Unit Code:	020301031000060
Municipality:	Oakland	Water Quality Impairments:	pH
Outfall Description			
Outfall Configuration:	non-submerged pipe		
Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	0 cfs	MA1CD10 (1Q10) summer:	0 cfs
MA7CD10 / 7Q10:	0 cfs	MA1CD10 (1Q10) winter:	0 cfs
75th percentile flow:	0 cfs	MA30CD10 (30Q10) summer:	0 cfs
		MA30CD10 (30Q10) winter:	0 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0021253):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 3/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.0044 0.017	MR MR	MR MR	Continuous	Continuous
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.074 0.081 8 / 27	1 1.5	1 1.5	1 / Month	1 / Month
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	3.84 3.84 8 / 27	8 12	8 12	1 / Month	1 / Month
Influent $CBOD_5$	mg/L	Monthly Avg. Weekly Avg.	198 198	MR MR	MR MR	1 / Month	1 / Month
$CBOD_5$ Minimum Percent Removal	%	Monthly Avg.	96.1	85	85	1 / Month	1 / Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg.	0.146 0.147	3.8 5.7	3.8 5.7	1 / Month	1 / Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	6.17 6.17	30 45	30 45	1 / Month	1 / Month
Influent Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	325 325	MR MR	MR MR	1 / Month	1 / Month
TSS Minimum Percent Removal	%	Monthly Avg.	97.5	85	85	1 / Month	1 / Month
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	1.45 3.31	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	74.8 112	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	0.0099 0.010	MR MR TMDL	MR MR TMDL	1 / Month	1 / Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	0.53 0.53	0.4 0.6 TMDL	0.4 0.6 TMDL	1 / Quarter	1 / Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg.	118 119	200 400	-- (1) -- (1)	1 / Quarter	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	167 42	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Daily Avg. Instant Min.	8.82 7	6.0 MR	6.0 MR	1 / Month	1 / Month

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 3/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Oil and Grease	mg/L	Monthly Avg. Instant Max.	< 5 to < 5.26 < 5 to < 5.2	10 15	10 15	1 / Quarter	1 / Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	2.5 15.6 26.8	MR MR MR	MR MR MR	1 / Day	1 / Day
Effluent pH	su	Instant. Min. Instant. Max.	6.05 8.34	6.0 9.0	6.0 9.0	1 / Day	1 / Day
Ammonia (Total as N) DO based	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.047 0.047 1 / 34	0.25 0.38	0.25 0.38	1 / Month	1 / Month
Ammonia (Total as N) DO based	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	1.7 1.7 1 / 34	2 3	2 3	1 / Month	1 / Month
Chlorine Produced Oxidants (UV Disinfection in use)	kg/d	Monthly Avg. Daily Max.	-- --	-- --	-- --	(2)	(2)
Chlorine Produced Oxidants (UV Disinfection in use)	mg/L	Monthly Avg. Daily Max.	-- --	-- --	-- --	(2)	(2)
Chlorine Produced Oxidants (Back up chlorination in use)	kg/d	Monthly Avg. Daily Max.	< 0.001 to < 0.005 < 0.001 to < 0.005	MR 0.013	MR 0.013	1 / Day	1 / Day
Chlorine Produced Oxidants (Back up chlorination in use)	mg/L	Monthly Avg. Daily Max.	< 0.01 < 0.01	MR 0.1	MR 0.1	1 / Day	1 / Day
Total Recoverable Copper	g/day	Monthly Avg. Daily Max. # Det. / # ND	0.3740 0.3846 35 / 0	MR (3) MR (3)	MR (3) MR (3)	1/Quarter	1/Quarter
Total Recoverable Copper	µg/L	Monthly Avg. Daily Max. # Det. / # ND	19.2817 42 35 / 0	MR (3) MR (3)	MR (3) MR (3)	1/Quarter	1/Quarter
Total Recoverable Zinc	g/day	Monthly Avg. Daily Max. # Det. / # ND	1.3615 2.88 27 / 8	MR (3) MR (3)	MR (3) MR (3)	1/Quarter	1/Quarter
Total Recoverable Zinc	µg/L	Monthly Avg. Daily Max. # Det. / # ND	64.5629 162 27 / 8	MR (3) MR (3)	MR (3) MR (3)	1/Quarter	1/Quarter
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	% effluent	Minimum # Det. # ND	7.1 7.1, 16.9, 69.8, 71.9, 83.9, 84.9 >100 (1 sample)	61	61	1 / 6 Months	1 / 6 Months

Footnotes and Abbreviations:

MR Monitor and report only TMDL Total Maximum Daily Load

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.

(2) When the facility is using UV disinfection in place of chlorination, the permittee is not required to monitor CPO.

(3) Pursuant to the conditions of a September 23, 2012 ACO, the permittee submitted a "*Copper Summary Report*" and "*Water Effects Ratio Study*" as well as a "*Zinc Summary Report.*" Both studies were dated January 9, 2014 and were submitted by Lyons Environmental Service. Based on the study results, copper and zinc effluent limitations were reevaluated and removed as per a June 10, 2015 permit modification.

Springfield Twp. Elementary School STP - NJG0021571

1 Facility Description:

NJPDES Flow Value: 0.0075 MGD

Treatment Units:
1. Bar screen
2. Comminutor
3. Aeration tank
4. Clarifier
5. Ultraviolet disinfection system

Sludge is stored in a sludge holding tank before being managed at an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Barkers Brook	Downstream Confluences:	Delaware River
Via :	Pipe	Receiving River Basin:	Assiscunk Creek
Classification:	FW2-NT	Watershed Management Area:	20
Latitude:	40° 02’ 07.7”	Watershed:	Assiscunk Creek
Longitude:	74° 42’ 04.3”	Subwatershed:	Barkers Brook
County:	Burlington	14 digit Hydrologic Unit Code:	01040201100020
Municipality:	Springfield Township		
Outfall Description			
Outfall Configuration:	non-submerged pipe		
Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	0.0 cfs		
MA7CD10 / 7Q10:	0.0 cfs		
75th percentile flow:	0.06 cfs		

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0021571):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/13 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.0018 0.017	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.036 0.036 18 / 17	0.71 1.06	0.71 1.06	1 / Month	1 / Month
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	396 396 25 / 0	25 37.5	25 37.5	1 / Month	1 / Month
BOD_5 Min. Percent Removal	%	Monthly Avg.	91.8	85	85	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.083 0.083 24 / 1	0.9 1.3	0.9 1.3	1 / Month	1 / Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	11.1 11.1 24 / 1	30 45	30 45	1 / Month	1 / Month

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/13 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Influent Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	451 452	MR MR	MR MR	1/Month	1/Month
TSS Min. Percent Removal	%	Monthly Avg.	85.9	85	85	1/Month	1/Month
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	-- --	-- --	MR MR	--	1/Year*
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND	55.5 57.5 9 / 26	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	11 20	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Daily Avg. Instant Min.	5.1 5.1	5.0 4.0	5.0 4.0	1 / Month	1 / Month
Oil and Grease	mg/L	Monthly Avg. Instant Max.	<2.29 to < 5 <2.29 to < 5	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	1.5 16.43 28.8	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.1 8	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N) May 1 – Oct. 31	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.0055 0.0055 15 / 3	MR 0.26	MR 0.26	1/Month	1/Month
Ammonia (Total as N) May 1 – Oct. 31	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	0.84 0.84 15 / 3	MR 9.0	MR 9.0	1 / Month	1 / Month
Ammonia (Total as N) Nov. 1 – Apr. 30	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.0083 0.0083 16 / 1	MR 0.45	MR 0.45	1 / Month	1 / Month
Ammonia (Total as N) Nov. 1 – Apr. 30	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	1.27 1.27 16 / 1	MR 16	MR 16	1 / Month	1 / Month
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	0.044 0.044	MR MR	MR MR	1 / Quarter	1 / Quarter
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	5028 (2) 5028 (2)	MR MR	MR MR	1 / Quarter	1 / Quarter
Total Recoverable Copper	µg/L	Monthly Avg. Daily Max. # Det. / # ND	33.6 39.2 3 / 0	MR MR	MR MR	1/Year (3)	1/Year (3)
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	% effluent	Minimum # Det.	31.9, 72, 89 (3 samples)	MR	MR	1/ Year	1/ Year

Footnotes and Abbreviations:
MR Monitor and report only * Monitoring erroneously omitted from the draft master permit.

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.
(2) While this data represents the average reported on DMRs, the calculation does not appear to be correct based on average concentrations and flows.
(3) Monitoring is required as an annual WCR requirement.

Blair Academy – NJG0022101

1 Facility Description:

NJPDES Flow Value: 0.05 MGD

Treatment Units:

1. Bar Screens
2. Aeration Tank and Clarifier with Chemical Addition
3. Addition of Sodium Hypochloride for Disinfection
4. Post Aerators

Sludge is held in a storage tank before being managed at an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Blairs Creek	Downstream Confluences:	Paulins Kill
Via :	Outfall pipe	Receiving River Basin:	Delaware River Basin
Classification:	FW2-TM	Watershed Management Area:	01
Latitude:	40° 59’ 11”	Watershed:	Paulins Kill (below Stillwater Village)
Longitude:	74° 57’ 33”	Subwatershed:	Blair Creek
County:	Warren	14 digit Hydrologic Unit Code:	02040105050020
Municipality:	Blairstown		
Outfall Description			
Outfall Configuration:	non-submerged pipe	Submerged Pipe Characteristics:	N/A
Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	0.7 cfs	MA1CD10 (1Q10) summer:	0.7 cfs
MA7CD10 / 7Q10:	0.8 cfs	MA1CD10 (1Q10) winter:	0.7 cfs
75th percentile flow:	4.8 cfs	MA30CD10 (30Q10) summer:	1.1 cfs
		MA30CD10 (30Q10) winter:	2.9 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0022101):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/13 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.024 0.049	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg.	0.52 0.63	6.0 9.0	6.0 9.0	1/Month	1/Month
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	5.52 5.52 34 / 1	30 45	30 45	1/Month	1/Month
Influent BOD_5	mg/L	Monthly Avg. Weekly Avg.	472 472	MR MR	MR MR	1/Month	1/Month
BOD_5 Minimum Percent Removal	%	Monthly Avg.	86.4	85	85	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg.	0.95 0.95	6 9	6 9	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	10.1 11.6	30 45	30 45	1/Month	1/Month
Influent Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	344 344	MR MR	MR MR	1/Month	1/Month
TSS Minimum Percent Removal	%	Monthly Avg.	89.0	85	85	1/Month	1/Month
Total Dissolved Solids (TDS)	mg/L	Monthly Avg. Daily Max.	-- --	-- --	MR MR	--	1/Quarter
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max	3.71 23.2	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max	94.6 689	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	0.028 0.29	MR MR	MR MR	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	0.42 0.49	1.0 MR	1.0 MR	1/Quarter	1/Quarter

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/13 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND	68 82 19 / 16	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	25.5 140	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Daily Avg. Inst. Min.	8.25 6.32	6.0 5.0	6.0 5.0	1 / Month	1 / Month
Oil and Grease	mg/L	Monthly Avg. Instant Max. # Det. / # ND	4.097 5 10 / 2	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	3.1 17.08 27.7	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.1 8.88	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N), Summer: May 1 to Oct 31	kg/d	Monthly Avg. Weekly Avg.	0.10 0.10	3.8 MR	3.8 MR	1 / Month	1 / Month
Ammonia (Total as N), Summer: May 1 to Oct 31	mg/L	Monthly Avg.` Weekly Avg.	0.10 0.10	20 MR	20 MR	1 / Month	1 / Month
Ammonia (Total as N), Winter: Nov 1 to Apr 30	kg/d	Monthly Avg. Weekly Avg..	0.13 0.13	3.8 MR	3.8 MR	1 / Month	1 / Month
Ammonia (Total as N), Winter: Nov 1 to Apr 30	mg/L	Monthly Avg. Weekly Avg.	0.74 0.74	20 MR	20 MR	1 / Month	1 / Month
Chlorine Produced Oxidants	kg/d	Monthly Avg. Daily Max.	0.0016 0.007	MR 0.019	MR 0.019	1 / Day	1 / Day
Chlorine Produced Oxidants	mg/L	Monthly Avg. Daily Max.	0.021 0.05	MR 0.1	MR 0.1	1 / Day	1 / Day
Total Recoverable Copper	µg/L	Monthly Avg. Daily Max. # Det. / # ND	9.1 (2) 18.4 (2) 4 / 0	MR MR	MR MR	1/Year (3)	1/Year (3)
Acute Toxicity, LC50 *Pimephales promelas*	% effluent	Minimum	>100 (3 samples)	AL 50	AL 50	1 / Year	1 / Year

Footnotes and Abbreviations:
MR Monitor and report only AL Action Level

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.
(2) Units were corrected in WCR data summary.
(3) Monitoring is required as an annual WCR requirement.

Stony Brook Elementary School – NJG0022276

1 Facility Description:

NJPDES Flow Value: 0.01 MGD

Treatment Units:
1. Wet well
2. Comminutor
3. Equalization basin
4. Aeration tank
5. Clarifier
6. Mud well
7. Rapid sand filters (2)

8. Clear well
9. Post aeration
10. Ultraviolet (UV) disinfection chamber

Sludge is stored in a sludge holding tank before being managed at an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Untermeyer Lake via unnamed tributary and storm sewer	Downstream Confluences:	East Ditch River
Via :	Outfall pipe	Receiving River Basin:	Passaic River Basin
Classification:	FW2-NT	Watershed Management Area:	03
Latitude:	40° 58' 14.736"	Watershed:	Pompton River
Longitude:	74° 21' 5.691"	Subwatershed:	Lincoln Park Tribs (Pompton River)
County:	Morris	14 digit Hydrologic Unit Code :	02030103030130
Municipality:	Kinnelon Boro		
Outfall Description			
Outfall Configuration:	non-submerged pipe		
Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	0.0 cfs	MA1CD10 (1Q10) summer:	0.0 cfs
MA7CD10 / 7Q10:	0.0 cfs	MA1CD10 (1Q10) winter:	0.0 cfs
75th percentile flow:	0.0 cfs	MA30CD10 (30Q10) summer:	0.0 cfs
		MA30CD10 (30Q10) winter:	0.0 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0022276):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.000573 0.008	MR MR	MR MR	Continuous	Continuous
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.01 0.01 2 / 34	0.3 0.45	0.3 0.45	1/Month	1/Month
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	<4 <4 0 / 36	8.0 12.0	8.0 12.0	1/Month	1/Month
Influent $CBOD_5$	mg/L	Monthly Avg. Weekly Avg.	217 217	MR MR	MR MR	1/Month	1/Month
$CBOD_5$ Min. Percent Removal	%	Monthly Avg.	97.3	85	85	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg.	0.045 0.045	1.1 1.7	1.1 1.7	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	14 14	30 45	30 45	1/Month	1/Month
Influent Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	269 269	MR MR	MR MR	1/Month	1/Month
TSS Minimum Percent Removal	%	Monthly Avg.	94.9	85	85	1/Month	1/Month
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	0.25 0.69	MR MR	MR MR	1/ Year	1/ Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	103 149 (2)	MR MR	MR MR	1/ Year	1/ Year

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	0.0004 0.0004	MR MR TMDL	MR MR TMDL	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	0.15 0.15	1.0 1.5 TMDL	1.0 1.5 TMDL	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND	17.4 17.6 4 / 32	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E.Coli (geometric mean)	# per 100mL	Monthly Avg. Instant. Max.	<1 <1	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Daily Avg. Instant Min.	8.5 10	6.0 MR	6.0 MR	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Instant Max.	All values ND All values ND	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	7.6 18.577 28	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.3 9.9	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N) DO Based Summer: May 1 to Oct 31	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.007 0.007 5 / 13	0.08 0.11	0.08 0.11	1/Month	1/Month
Ammonia (Total as N) DO Based Summer: May 1 to Oct 31	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	4.95 4.95 5 / 13	2.0 3.0	2.0 3.0	1/Month	1/Month
Ammonia (Total as N) DO Based Winter: Nov 1 to Apr 30	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.0016 0.009 8 / 10	MR 0.16	MR 0.16	1/Month	1/Month
Ammonia (Total as N) DO Based - Winter Winter: Nov 1 to Apr 30	mg/L	Monthly Avg. Daily Max. # Det. / # ND	1.07 5.13 8 / 10	MR 4.4	MR 4.4	1/Month	1/Month
Total Recoverable Copper	g/day	Monthly Avg. Daily Max. # Det. / # ND	0.022 0.07 27 / 5	MR 0.7	MR 0.7	1/Quarter	1/Quarter
Total Recoverable Copper	µg/L	Monthly Avg. Daily Max. # Det. / # ND	7.74 29.5 26 / 10	MR 17.7	MR 17.7	1/Quarter	1/Quarter
Total Recoverable Zinc	g/day	Monthly Avg. Daily Max.	0.142 0.65	MR 4.3	MR 4.3	1/Quarter	1/Quarter
Total Recoverable Zinc	µg/L	Monthly Avg. Daily Max.	61.3 206	MR 112	MR 112	1/Quarter	1/Quarter
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	%	Minimum # Det.	29.2 29.2, 32, 95.3 (3 samples)	MR	MR	1/ Year	1/ 6 Months

Footnotes and Abbreviations:

MR Monitor and report only TMDL Total Maximum Daily Load

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.

(2) Average calculation does not include value of 1021 mg/L which appears to be an erroneous value.

Helen A. Fort Middle School - NJG0022438

1 Facility Description:

NJPDES Flow Value: 0.05 MGD

Treatment Units:

1. Bar screen
2. Communitor
3. Aeration tank
4. Settling tank
5. Sand filtration beds
6. Chlorination tank
7. Dechlorination tank

Sludge is aerated during storage before being managed at an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Unnamed tributary of Rancocas Creek North Branch	Downstream Confluences:	Rancocas Creek North Branch
Via :	Outfall pipe	Receiving River Basin:	Delaware River Basin
Classification:	PL	Watershed Management Area:	19
Latitude:	39° 59’ 58.6”	Watershed:	Rancocas Creek NB (below New Lisbon dam)
Longitude:	74° 39’ 51.3”	Subwatershed:	Rancocas Creek NB (Rt. 206 to Pemberton br)
County:	Burlington	14 digit Hydrologic Unit Code:	02040202040030
Municipality:	Pemberton Twp.	Water Quality Impairments:	Arsenic, Copper, Lead, Phosphorus
Outfall Description			
Outfall Configuration:	Non-submerged pipe	Submerged Pipe Characteristics:	Not Applicable
Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	0.3		
MA7CD10 / 7Q10:	0.4		

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0022438):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/13 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.003 0.014	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg.	0.072 0.072	4.73 7.09	4.73 7.09	1/Month	1/Month
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg.	5.21 5.33	25 37.5	25 37.5	1/Month	1/Month
Influent BOD_5	mg/L	Monthly Avg. Weekly Avg.	200 200	MR MR	MR MR	1/Month	1/Month
BOD_5 Min Percent Removal	%	Monthly Avg.	87	85	85	1/Month	1/Month

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/13 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.063 0.069 31 / 4	5.7 8.5	5.7 8.5	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	4.16 4.55 31 / 4	30 45	30 45	1/Month	1/Month
Influent Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	151.1 151.1	MR MR	MR MR	1/Month	1/Month
TSS Min Percent Removal	%	Monthly Avg.	85	85	85	1/Month	1/Month
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	0.074 0.74	MR MR	MR MR	1/Month	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	4.14 4.14	MR MR	MR MR	1/Month	1/Quarter
Nitrate (Total as N)	Kg/d	Monthly Avg. Weekly Avg.	0.68 0.68	MR MR	MR MR	1/Quarter	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Weekly Avg.	57.3 52.8	MR MR	MR MR	1/Quarter	1/Year
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND	9.97 9.97 33 / 2	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	< 1 to < 10 < 1 to < 10	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Daily Avg Instant Min	6.2 6.2	5.0 4.0	5.0 4.0	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Daily Max.	<2.29 to < 5 <2.29 to < 5	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	2 14.68 26	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6 8.96	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N) May 1 to Oct 31	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.018 0.140 15 / 3	3.78 MR	3.78 MR	1/Month	1/Month
Ammonia (Total as N) May 1 to Oct 31	mg/L	Monthly Avg. Daily Max. # Det. / # ND	1.125 8.79 15 / 3	20 MR	20 MR	1/Month	1/Month
Ammonia (Total as N) Nov 1 to Apr 30	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.070 0.189 17 / 0	3.78 MR	3.78 MR	1/Month	1/Month
Ammonia (Total as N) Nov 1 to Apr 30	mg/L	Monthly Avg. Daily Max.	6.0 14.8	20 MR	20 MR	1/Month	1/Month
Chlorine Produced Oxidants	kg/d	Monthly Avg. Daily Max.	<0.00023 to <0.0062 <0.0016 to <0.005	MR 0.02	MR 0.02	1/Day	1/Day
Chlorine Produced Oxidants	mg/L	Monthly Avg. Daily Max.	<0.1 <0.1	MR 0.1	MR 0.1	1/Day	1/Day
Total Recoverable Copper	mg/L	Monthly Avg. Daily Max. # Det. / # ND	0.061 0.07 4 / 0	MR (2) MR (2)	MR (3) MR (3)	1/Year (2)	1/Quarter (3)
Total Recoverable Zinc	mg/L	Monthly Avg. Daily Max. # Det. / # ND	0.757 1.980 4 / 0	MR (2) MR (2)	MR (3) MR (3)	1/Year (2)	1/Quarter (3)
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	%	Minimum # ND	30, 30 (2 samples) >100 (1 sample)	MR	MR	1/ Year	1/ 6 Months

Footnotes and Abbreviations:

MR Monitor and report only

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.

(2) Monitoring was required as an Annual WCR requirement.

(3) Monitoring has been increased to quarterly and shall be reported on the Discharge Monitoring Report form.

The Salvation Army, Camp Tecumseh – NJG0023001

1 Facility Description:

NJPDES Flow Value: 0.018 MGD

The STP at this facility was upgraded in August 2005 with a prefabricated Rotating Biological Contactor (RBC) treatment system, which has a design capacity of 0.036 MGD. However, the facility's previous STP had a design capacity of 0.018 MGD, which is also the flow identified in the current Wastewater Management Plan (WMP).

Treatment Units:
1. Primary settling tank (Below RBC)
2. Rotating biological contactor (three stage unit):
   a. Primary biological stage
   b. Secondary biological stage
   c. Tertiary biological stage (Nitrification/Phosphorus Removal w/Alum)
3. Final settling tank
4. Chlorination tank
5. First dechlorination tank
6. Re-aeration
7. Second dechlorination tank

Sludge is collected in the primary settling tank before being removed to an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Nishisakawick Creek	Downstream Confluences:	Delaware River Zone 1E
Via :	Outfall pipe	Receiving River Basin:	Delaware River Basin
Classification:	FW2-NT(C1)	Watershed Management Area:	11
Latitude:	40° 35' 55.3"	Watershed:	Central Delaware Tributaries
Longitude:	75° 00' 26.9"	Subwatershed:	Hakihokake/harihokake/ Nishisakwick Creek
County:	Hunterdon	14 digit Hydrologic Unit Code:	02040105170040
Municipality:	Alexandria Township		
Outfall Description			
Outfall Configuration:	non-submerged pipe		
Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	0.0 cfs		
MA7CD10 / 7Q10:	0.0 cfs		
75th percentile flow:	0.2 cfs		

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0023001):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 3/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.0067 0.112	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg.	0.101 0.101	1.70 1.70	1.70 1.70	1/Month	1/Month
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg.	4.72 4.72	25 25	25 25	1/Month	1/Month
Influent BOD_5	mg/L	Monthly Avg. Weekly Avg.	512 512	MR MR	MR MR	1/Month	1/Month
BOD_5 Min. Percent Removal	%	Monthly Avg.	98.5	85	85	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.136 0.136 32 / 4	2.04 3.06	2.04 3.06	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	7.09 7.09 32 / 4	30 45	30 45	1/Month	1/Month
Influent TSS	mg/L	Monthly Avg. Weekly Avg.	1566 1566	MR MR	MR MR	1/Month	1/Month
TSS Min. Percent Removal	%	Monthly Avg.	98.3	85	85	1/Month	1/Month
Total Dissolved Solids (TDS)	mg/L	Monthly Avg. Daily Max.	-- --	-- --	MR MR	--	1/Quarter
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	0.15 0.73	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	9.49 26.7	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	0.0095 0.0097	MR MR	MR MR	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	0.509 0.509	1.0 MR	1.0 MR	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND	51.4 51.4 5 / 31	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E.Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	28.1 800	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Instant Min. Daily Avg.	7 10.0	4.0 5.0	4.0 5.0	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Instant Max. # Det. / # ND	2.29 2.29 1 / 15	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	4.2 14.3 25.8	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.6 8.9	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N), Summer: May 1 –Oct 31	kg/d	Monthly Avg. Weekly Avg.	0.030 0.030	MR MR	0.37 0.59	1/Month	1/Month
Ammonia (Total as N), Summer: May 1 –Oct 31	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	1.13 1.13 14 / 4	2.7 4.4	2.7 4.4	1/Month	1/Month
Ammonia (Total as N), Winter : Nov 1 – Apr 30	kg/d	Monthly Avg. Weekly Avg.	0.0016 0.0016	0.34 0.57	0.34 0.57	1/Month	1/Month
Ammonia (Total as N), Winter : Nov 1 – Apr 30	mg/L	Monthly Avg. Weekly Avg. #Detect/#ND	0.057 0.057 9 / 9	2.5 4.2	2.5 4.2	1/Month	1/Month
Chlorine Produced Oxidants	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.00078 0.002 8 / 28	MR 0.007	MR 0.007	1/Day	1/Day
Chlorine Produced Oxidants	mg/L	Monthly Avg. Daily Max. # Det. / # ND	0.029 0.05 7 / 29	MR 0.1	MR 0.1	1/Day	1/Day
Total Recoverable Copper	ug/L	Monthly Avg. Daily Max. # Det. / # ND	26.9 (2) 36.2 (2) 2 / 2	MR MR	MR MR	1/Year (3)	1/Year (3)

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 3/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	%	Minimum	57 (1 sample) >100 (2 samples)	MR	MR	1/Year	1/Year

Footnotes and Abbreviations:
MR Monitor and report only

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.
(2) Units were corrected in WCR data summary.
(3) Monitoring is required as an annual WCR requirement.

Round Valley Middle School - NJG0023175

1 Facility Description:

NJPDES Flow Value: 0.009 MGD

Treatment Units:
1. Comminutor and bar screen
2. Aerated equalization tank
3. Aeration tank with immersion heater, an alum feed system and a pH control system
4. Clarifier
5. Aerated sludge holding tank
6. Filter feed tank/pressurized filter
7. Ultraviolet disinfection system (2 units, one is spare)
8. Effluent discharge tank

Sludge generated at this facility is removed on a periodic basis and managed at an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	South Branch Rockaway Creek	Downstream Confluences:	North and South Branch Raritan River
Via :	unnamed tributary	Receiving River Basin:	Lamington River
Classification:	FW2-TP(C1)	Watershed Management Area:	08
Latitude:	40° 39’ 27.5”	Watershed:	Lamington River
Longitude:	74° 50’ 0.6”	Subwatershed:	Rockaway Creek South Branch
County:	Hunterdon County	14 digit Hydrologic Unit Code:	02030105050100
Municipality:	Clinton Township	Water Quality Impairments:	Phosphorus, TSS, E. Coli, Temperature
Outfall Description			
Outfall Configuration:	non-submerged pipe		

Current Receiving Stream Design Low Flow Values	
MA1CD10 / 1Q10: 0.1 cfs	MA1CD10 (1Q10) summer: 0.1 cfs
MA7CD10 / 7Q10: 0.1 cfs	MA1CD10 (1Q10) winter: 0.2 cfs
75th percentile flow: 0.4 cfs	MA30CD10 (30Q10) summer: 0.2 cfs
	MA30CD10 (30Q10) winter: 0.3 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0023175):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 3/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.0021 0.014	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.067 0.1 19 / 17	1.0 1.5	1.0 1.5	1/Month	1/Month
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	6.9 10 17 / 19	30 45	30 45	1/Month	1/Month
Influent $CBOD_5$	mg/L	Monthly Avg. Weekly Avg.	369 382	MR MR	MR MR	1/Month	1/Month
BOD_5 Min. Percent Removal	%	Monthly Avg.	97.6	85	85	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.17 0.21 35 / 1	1.0 1.5	1.0 1.5	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	20 25 35 / 1	30 45	30 45	1/Month	1/Month
Influent TSS	mg/L	Monthly Avg. Weekly Avg.	443 448	MR MR	MR MR	1/Month	1/Month
TSS Min. Percent Removal	%	Monthly Avg.	89	85	85	1/Month	1/Month
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.34 0.34 35 / 1	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max. # Det. / # ND	50.2 50.3 35 / 1	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	0.015 0.015	MR MR	MR MR TMDL	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	1.99 1.99	MR MR	4.75 MR TMDL	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND	96 938 24 / 12	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	694 6500	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Monthly Avg. Instant Min.	7.3 4	6.0 MR	6.0 MR	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Instant Max. # Det. / # ND	5.7 6.9 2 / 13	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	3.8 18.8 37.1	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.0 8.9	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N) Summer - May 1 through October 31	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.003 0.02 13 / 5	0.03 MR	0.03 MR	1/Month	1/Month
Ammonia (Total as N) Summer - May 1 through October 31	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	0.76 2.1 13 / 5	1.0 MR	1.0 MR	1/Month	1/Month

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 3/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Ammonia (Total as N) Winter - November 1 through April 30	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.03 0.3 13 / 5	MR MR	MR MR	1/Month	1/Month
Ammonia (Total as N) Winter - November 1 through April 30	mg/L	Monthly Avg. Daily Max. # Det. / # ND	1.6 14 13 / 5	MR MR	MR MR	1/Month	1/Month
Total Recoverable Copper	ug/L	Monthly Avg. Daily Max. # Det. / # ND	87.2 137 4 / 0	MR MR	MR (3) MR (3)	1/Year	1/Quarter (3)
Total Recoverable Zinc	ug/L	Monthly Avg. Daily Max. # Det. / # ND	133 (2) 204 (2) 4 / 0	MR MR	MR (3) MR (3)	1/Year	1/Quarter (3)
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	%	Minimum # Det. # ND	17.8 17.8, 59.2, 65.5 >100 (3 samples)	MR	MR	1/6 Months	1/6 Months

Footnotes and Abbreviations:
MR Monitor and report only TMDL Total Maximum Daily Load

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.
(2) Units of WCR data were corrected.
(3) Monitoring has been increased from annually to quarterly and shall be reported on the Discharge Monitoring Report form.

Kingwood Township School – NJG0023311

1 Facility Description:

NJPDES Flow Value: 0.0048 MGD.

Treatment Units:
1. Equalization tank
2. Rotor disk
3. Primary clarifier
4. Secondary clarifier
5. Filter tank
5. Ultraviolet (UV) disinfection (1 unit)

Sludge is disposed off-site at an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water :	Unnamed Tributary to Copper Creek via storm water collection and conveyance system	Downstream Confluences:	Delaware River Zone 2
Via :	Outfall pipe	Receiving River Basin:	Delaware

Classification:	FW2-NT	Watershed Management Area:	11
Latitude:	40° 30’ 25”	Watershed:	Hakihokake/Harihokake/ Nishisakawick Creek
Longitude:	75° 00’ 44”	Subwatershed:	Kingwood Township (Warford-Little Nishisakawk)
County:	Hunterdon	14 digit Hydrologic Unit Code:	02040105170060
Municipality:	Kingwood	Water Quality Impairments:	Phosphorus
Outfall Description			
Outfall Configuration:	non-submerged pipe		
Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	0.0 cfs	MA1CD10 (1Q10) summer:	0.0 cfs
MA7CD10 / 7Q10:	0.0 cfs	MA1CD10 (1Q10) winter:	0.0 cfs
75th percentile flow:	0.0 cfs	MA30CD10 (30Q10) summer:	0.0 cfs
		MA30CD10 (30Q10) winter:	0.0 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0023311):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013-3/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.11 0.006	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg.	0.029 0.029	0.45 0.68	0.45 0.68	1/Month	1/Month
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg.	5.5 5.5	25 37.5	25 37.5	1/Month	1/Month
Influent BOD_5	mg/L	Monthly Avg. Weekly Avg.	455 455	MR MR	MR MR	1/Month	1/Month
BOD_5 Min. Percent Removal	%	Monthly Avg.	98.7	85	85	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg.	0.079 0.091	0.55 0.82	0.55 0.82	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	16.4 19	30 45	30 45	1/Month	1/Month
Influent TSS	mg/L	Monthly Avg. Weekly Avg.	448 448	MR MR	MR MR	1/Month	1/Month
TSS Min. Percent Removal	%	Monthly Avg.	95	85	85	1/Month	1/Month
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	0.23 0.45	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	39.0 55.7	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	0.038 0.038	MR MR	MR MR	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	7.55 7.55	MR MR	MR MR	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg.	26.6 68.9	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E.Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	38.7 230	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Monthly Avg. Instant Min.	6.5 2.77	5.0	-- 5.0	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Instant Max.	<5 <5	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	9.2 20.4 37.3	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6 8.99	6.0 9.0	6.0 9.0	1/Day	1/Day

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013-3/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Ammonia (Total as N) Summer - May 1 through October 31	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.005 0.029 17 / 1	0.11 0.18	0.11 0.18	1/Month	1/Month
Ammonia (Total as N) Summer - May 1 through October 31	mg/L	Monthly Avg. Daily Max. # Det. / # ND	1.76 8.57 17 / 1	6 10	6 10	1/Month	1/Month
Ammonia (Total as N) Winter - November 1 through April 30	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.007 0.13 18 / 0	0.11 0.18	0.11 0.18	1/Month	1/Month
Ammonia (Total as N) Winter - November 1 through April 30	mg/L	Monthly Avg. Daily Max. # Det. / # ND	1.24 16.6 18 / 0	6 10	6 10	1/Month	1/Month
Total Recoverable Copper	g/d	Month Avg. Daily Max. # Det. / # ND	0.1 0.26 13 / 0	MR (2) MR (2)	MR (2) MR (2)	1/6 Months	1/6 Months
Total Recoverable Copper	µg/L	Month Avg. Daily Max. # Det. / # ND	23.5 64.2 13 / 0	MR (2) MR (2)	MR (2) MR (2)	1/6 Months	1/6 Months
Total Recoverable Zinc	g/d	Month Avg. Daily Max. # Det. / # ND	0.34 0.95 13/0	MR (2) MR (2)	MR (2) MR (2)	1/6 Months	1/6 Months
Total Recoverable Zinc	µg/L	Month Avg. Daily Max. # Det. / # ND	83.3 205 13 / 0	MR (2) MR (2)	MR (2) MR (2)	1/6 Months	1/6 Months
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	%	Minimum # ND	64.6 (1 sample) >100 (1 sample)	MR	MR	1/Year	1/Year

Footnotes and Abbreviations:

MR Monitor and report only

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.

(2) Effluent requirements were considered based on the final copper Water Effects Ratio (WER) study and site-specific copper and zinc translators and hardness data submitted by the permittee.

Lounsberry Hollow Middle School – NJG0023841

1 Facility Description:

NJPDES Flow Value: 0.032 MGD

Treatment Units:

1. Bar Screen
2. Comminutor
3. Equalization Tank
4. Aeration Tank
5. Biological Settling Clarifier
6. Chemical Mixing Unit
7. Chemical Clarifier (Phosphorus Removal)
8. Rapid Sand Filters (2 units)
9. Clear Well
10. Ultraviolet Disinfection Chamber (2 units)
11. Post Aeration Tank

Sludge Management: Sludge is decanted then stored in a holding tank before being managed at an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Lounsberry Hollow Brook via unnamed tributary and storm sewer	Downstream Confluences:	Black Creek
Via :	Concrete outfall pipe	Receiving River Basin:	Wallkill River Basin
Classification:	FW2-TM(C2)	Watershed Management Area:	02
Latitude (a):	41° 13' 23"	Watershed:	Pochuck Creek
Longitude (a):	74° 29' 49.8"	Subwatershed:	Black Creek (below G. George Resort trib)
County:	Sussex	14 digit Hydrologic Unit Code:	02020007040020
Municipality:	Vernon Township	Water Quality Impairments:	Dissolved Oxygen
Outfall Description			
Outfall Configuration:	Non-submerged pipe		
Current Receiving Stream Design Low Flow Values*			
MA1CD10 / 1Q10:	0.0 cfs	MA1CD10 (1Q10) summer:	0.0 cfs
MA7CD10 / 7Q10:	0.0 cfs	MA1CD10 (1Q10) winter:	0.0 cfs
75th percentile flow:	0.0 cfs	MA30CD10 (30Q10)summer:	0.0 cfs
		MA30CD10 (30Q10) winter:	0.0 cfs

* Information from Final Permit Approved 1/1/12.
(a) Latitude and Longitude Coordinates for the facility's "End of Pipe".

3 Permit Summary Table and Permit Requirements (NJG0023841):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/13 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.00348 (1) 0.016	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.2 0.2 6 / 29	1.8 2.72	1.8 2.72	1/Month	1/Month
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	6.22 6.22 6 / 29	15 22.5	15 22.5	1/Month	1/Month
Influent BOD_5	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	130 130 32 / 3	MR MR	MR MR	1/Month	1/Month
BOD_5 Min. Percent Removal	%	Monthly Avg.	82.6	85	85	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.11 0.11 27 / 8	3.6 5.4	3.6 5.4	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	4.23 4.23 31 / 4	30 45	30 45	1/Month	1/Month
Influent Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	172 172	MR MR	MR MR	1/Month	1/Month
TSS Min. Percent Removal	%	Monthly Avg.	95.5	85	85	1/Month	1/Month
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max	0.37 0.49	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max	37.8 43	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.008 0.008 5 / 6	MR 0.06	MR 0.06	1/Quarter	1/Quarter

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/13 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	0.39 0.39 5 / 6	MR 0.5	MR 0.5	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND	24.9 24.9 23 / 12	200 400	-- (2) -- (2)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	10.4 270	MR MR	126 (2) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Weekly Avg. Daily Avg.	9.08 9.08	6.0 MR	6.0 MR	1/ Month	1/ Month
Oil and Grease	mg/L	Monthly Avg. Instant Max.	<2.29 to <5 <2.29 to <5	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	0 13.4 26.4	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	Su	Instant. Min. Instant. Max.	6.14 8.15	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N), Summer: May 1 - Oct. 31	kg/d	Monthly Avg. Daily Max.	< 0.001 to <0.02 <0.02	0.31 0.46	0.31 0.46	1/ Month	1/ Month
Ammonia (Total as N), Summer: May 1 – Oct. 31	mg/L	Monthly Avg. Daily Max.	<0.390 <0.390	2.6 3.8	2.6 3.8	1/ Month	1/ Month
Ammonia (Total as N), Winter: Nov.1 – Apr. 30	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.039 0.18 8 / 9	0.31 0.46	0.31 0.46	1/ Month	1/ Month
Ammonia (Total as N), Winter: Nov. 1 – Apr. 30	mg/L	Monthly Avg. Daily Max. # Det. / # ND	1.03 2.09 8 / 9	2.6 3.8	2.6 3.8	1/ Month	1/ Month
Total Recoverable Zinc	g/day	Monthly Avg. Daily Max # Det. / # ND	0.43 0.81 4 / 0	MR 13.6	MR 13.6	1/ 6 Months	1/ 6 Months
Total Recoverable Zinc	ug/L	Monthly Avg. Daily Max # Det. / # ND	47.9 59.5 4 / 0	MR 112.5	MR 112.5	1/ 6 Months	1/ 6 Months
Total Recoverable Copper	ug/L	Monthly Avg. Daily Max. # Det. / # ND	11.1 14.6 3 / 0	MR MR	MR MR	1/ Year (3)	1/ Year (3)
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	%	Minimum # Det. # ND	45.8 45.8, 63, 93.9 >100 (2 samples)	55	55	1 / Year	1 / Year

Footnotes and Abbreviations:
MR Monitor and report only

(1) Value of 3860 MGD was not considered in calculations as it is an anomaly and likely an inaccurate reading.
(2) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.
(3) Monitoring is required as an annual WCR requirement.

Union Township Elementary School - NJG0024091

1 Facility Description:

NJPDES Flow Value: 0.011 MGD

Treatment Units:
1. Comminutor
2. Aeration and pH maintenance tank

3. Clarifier
4. Chlorination/dosing tank
5. Sand filter bed
6. Dechlorination
7. Post aeration

Sludge is transported off-site where it is managed at an approved residuals management site, which is currently Passaic Valley Sewage Authority.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Mulhockaway Creek	Downstream Confluences:	South & North Branch Raritan
Via :	Unnamed tributary	Receiving River Basin:	Raritan River Basin
Classification:	FW2-TP (C1)	WMA:	08
Latitude:	40° 37’ 57”	Watershed:	Raritan River SB (3 Brdgs to Spruce Run)
Longitude:	74° 58’ 16.9”	Subwatershed:	Mulhockaway Creek
County:	Hunterdon	14 digit Hydrologic Unit Code:	02030105020030
Municipality:	Union Township	Water Quality Impairments:	Phosphorus
Outfall Description			
Outfall Configuration:	non-submerged pipe		
Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	0.1 cfs	MA1CD10 (1Q10) summer:	0.1 cfs
MA7CD10 / 7Q10:	0.1 cfs	MA1CD10 (1Q10) winter:	0.1 cfs
75th percentile flow (d):	0.4 cfs	MA30CD10 (30Q10) summer:	0.1 cfs
		MA30CD10 (30Q10) winter:	0.3 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0024091):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.002 0.01	MR MR	MR MR	Continuous	Continuous
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.017 0.017 21 / 14	0.33 0.5	0.33 0.5	1/Month	1/Month
5 Day Biochemical Oxygen Demand ($CBOD_5$)	mg/L	Monthly Avg. Weekly Avg. #Det / #ND	4.65 4.65 21 / 14	8.0 12	8.0 12	1/Month	1/Month
Influent BOD_5	mg/L	Monthly Avg. Weekly Avg.	802 802	MR MR	MR MR	1/Month	1/Month
BOD_5 Min. Percent Removal	%	Monthly Avg.	99.1	85	85	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.017 0.017 29 / 6	0.33 0.5	0.33 0.5	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	3.58 3.58 29 / 6	8.0 12	8.0 12	1/Month	1/Month
Influent TSS	mg/L	Monthly Avg. Weekly Avg.	4192 4192	MR MR	MR MR	1/Month	1/Month
TSS Minimum Percent Removal	%	Monthly Avg.	99.8	85	85	1/Month	1/Month
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	0.017 0.036	MR MR	MR MR	1/ Year	1/ Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	20.0 30.8	MR MR	MR MR	1/ Year	1/ Year

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	0.30 0.30 11 / 1	1.0 MR	1.0 MR TMDL	1/Quarter	1/Quarter
Phosphorus (Total as P)	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.016 0.016 11 / 1	MR MR	MR MR TMDL	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. #Det/#ND	67.7 67.7 11 / 24	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max # Det. / # ND	23.8 23.8 2 / 1	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Monthly Avg. Daily Avg.	9.43 9.43	MR 7.0	MR 7.0	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Instant Max.	<2.29 - <5.0 <2.29 - <5.0	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	3.0 15 31	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.67 8.49	6.5 8.5	6.5 8.5	1/Day	1/Day
Ammonia (Total as N) DO based - May 1 - Oct. 31	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.002 0.013 15 / 3	MR MR	MR MR	1/Month	1/Month
Ammonia (Total as N) DO based - May 1 - Oct. 31	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	0.23 1.0 15 / 3	1.0 MR	1.0 MR	1/Month	1/Month
Ammonia (Total as N) Nov. 1 - Apr. 30	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.34 5.42 3 / 14	MR MR	MR MR	1/Month	1/Month
Ammonia (Total as N) Nov.1 - Apr 30	mg/L	Monthly Avg. Daily Max. # Det. / # ND	3.98 20 3 / 14	MR MR	MR MR	1/Month	1/Month
Chlorine Produced Oxidants	kg/day	Monthly Avg. Daily Max. # Det. / # ND	0.0001 0.0014 6 / 29	MR 0.0042	MR 0.0042	1/Day	1/Day
Chlorine Produced Oxidants	mg/L	Monthly Avg. Daily Max. # Det. / # ND	0.012 0.02 6 / 29	MR 0.1	MR 0.1	1/Day	1/Day
Total Recoverable Copper	ug/L	Monthly Avg. Daily Max. # Det. / # ND	32.9 (2) 45.3 (2) 4 / 0	MR MR	MR MR	1/Year	1/Quarter (3)
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	% effluent	Minimum	No Data Reported	MR	MR	1/ Year	1/ 6 Months (4)

Footnotes and Abbreviations:

MR Monitor and report only TMDL Total Maximum Daily Load

(1) A monthly average limit of 126 #/100 ml for E. Coli will replace the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, quarterly monitoring for E. Coli is required along with monthly monitoring for fecal coliform along with fecal coliform limits. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.
(2) Units of DMR data were corrected.
(3) Monitoring has been increased to quarterly and shall be reported on the Discharge Monitoring Report form.
(4) Frequency increased since data not reported during previous permit cycle.

Pope John XXIII High School – NJG0027049

1 Receiving Water Information:

NJPDES Flow Value: 0.022 MGD

Treatment Units:
1. Comminutor
2. Bar Screen
3. Surge Tank
4. Return Activated Sludge Tank
5. Steel Tank with Dual Media Filter
6. Ultraviolet Disinfection Chamber
7. Metal Tanks with Aerators

Sludge is stored in a holding tank before being managed at an approved residuals management site.

2 Facility Description:

General Information		Watershed Information	
Receiving Water:	Unnamed tributary to Fox Hollow Lake	Downstream Confluences:	Lake Mohawk
Via :	Publicly owned storm sewer	Receiving River Basin:	Delaware River Basin
Classification (a):	FW2-NT(C1)	WMA:	01-Upper Delaware River
Latitude:	41° 01’ 56.7”	Watershed:	Paulins Kill (above Stillwater Village)
Longitude:	74° 39’ 59”	Subwatershed:	Sparta Junction tribs
County:	Sussex	14 digit Hydrologic Unit Code:	02040105040050
Municipality:	Sparta	Water Quality Impairments:	Temperature
Outfall Description			
Outfall Configuration:	N/A- discharge to a publicly owned storm sewer	Submerged Pipe Characteristics:	N/A
Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	0 cfs	MA1CD10 (1Q10) summer:	0 cfs
MA7CD10 / 7Q10:	0 cfs	MA1CD10 (1Q10) winter:	0 cfs
75th percentile flow:	0 cfs	MA30CD10 (30Q10) summer:	0 cfs
		MA30CD10 (30Q10) winter:	0 cfs

(a) The Receiving Waterbody Classification has changed since the 1/1/12 Master General Permit
* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0027049):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/13 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.0035 0.012	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.078 0.100 11/ 24	2.08 3.33	2.08 3.33	1/Month	1/Month
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	6.125 6.25 8 / 27	25 40	25 40	1/Month	1/Month
Influent BOD_5	mg/L	Monthly Avg. Weekly Avg.	172 174	MR MR	MR MR	1/Month	1/Month
BOD_5 Minimum Percent Removal	%	Monthly Avg.	89 (1)	85	85	1/Month	1/Month

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/13 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.127 0.18 28 / 7	2.5 3.75	2.5 3.75	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	8.78 9.59 27 / 8	30 45	30 45	1/Month	1/Month
Influent Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	196 198	MR MR	MR MR	1/Month	1/Month
TSS Minimum Percent Removal	%	Monthly Avg.	93.9	85	85	1/Month	1/Month
Total Dissolved Solids (TDS)	mg/L	Monthly Avg. Daily Max.	-- --	-- --	MR MR	--	1/Quarter
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max	0.160 0.160	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max	28.6 35.3	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	0.0069 0.0134	MR MR	MR MR	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	0.61 0.90	1.0 MR	1.0 MR	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND	28.2 61.5 21 / 14	200 400	-- (2) -- (2)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	11.0 ------	MR MR	126 (2) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Daily Avg. Instant Min.	8.66 6.58	5.0 4.0	5.0 4.0	1/ Month	1/ Month
Oil and Grease	mg/L	Monthly Avg. Instant Max.	<1.41 to < 6.6 <1.41 to < 6.6	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	1 14.48 26	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	8.84 6.08	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N), Summer, May 1 – Oct. 31	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.0075 0.05 4 / 14	0.18 0.30	0.18 0.30	1/ Month	1/ Month
Ammonia (Total as N), Summer, May 1 – Oct. 31	mg/L	Monthly Avg. Daily Max. # Det. / # ND	0.73 2.15 4 / 14	2.4 4.0	2.4 4.0	1/ Month	1/ Month
Ammonia (Total as N), Winter, Nov. 1 – Apr. 30	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.013 0.534 6 / 11	0.19 0.32	0.19 0.32	1/ Month	1/ Month
Ammonia (Total as N), Winter, Nov. 1 – Apr. 30	mg/L	Monthly Avg. Daily Max. # Det. / # ND	1.232 15.7 5 / 12	2.5 4.2	2.5 4.2	1/ Month	1/ Month
Total Recoverable Copper	ug/L	Monthly Avg. Daily Max. # Det. / # ND	18.2 22.7 4 / 0	MR MR	MR MR	1/Year (3)	1/Year (3)
Chronic Toxicity, *Ceriodaphnia dubia*	% effluent	Minimum # Det. # ND	12.3 12.3, 25, 27, 63 >100	61	61	1 / 6 Months	1 / 6 Months

Footnotes and Abbreviations:

MR Monitor and report only

(1) Does not include entry from 8/1/13 as it is likely an inaccurate value.

(2) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.

(3) Monitoring is required as an annual WCR requirement.

Sparta Alpine School – NJG0027065

1 Facility Description:

NJPDES Flow Value: 0.025 MGD

Treatment Units:
1. Muffin Monster
2. Equalization Tank
3. Sequencing Batch Reactor
4. Dosing Tank
5. Drum Filter
6. Ultraviolet Disinfection

Sludge Management: Sludge is managed off-site at an approved sludge management operation.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Unnamed tributary to Paulins Kill	Downstream Confluences:	Paulins Kill
Via :	Outfall pipe	Receiving River Basin:	Delaware River
Classification (a):	FW2-NT(C1)	WMA:	
Latitude:	41° 01’ 20”	Watershed:	Paulins Kill (above Stillwater Village)
Longitude:	74° 40’ 37”	Subwatershed:	Paulins Kill (above Rt 15)
County:	Sussex	14 digit Hydrologic Unit Code:	02040105040060
Municipality:	Sparta Township	Water Quality Impairments:	DO and Phosphorus
Outfall Description			
Outfall Configuration:	Partially submerged pipe	Submerged Pipe Characteristics:	*N/A*

Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	0 cfs	MA1CD10 (1Q10) summer:	0 cfs
MA7CD10 / 7Q10:	0 cfs	MA1CD10 (1Q10) winter:	0 cfs
75th percentile flow:	0 cfs	MA30CD10 (30Q10) summer:	0 cfs
		MA30CD10 (30Q10) winter:	0 cfs

(a) The Receiving Waterbody Classification has changed since the 1/1/12 Master General Permit

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0027065):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/13 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.004 0.066	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.102 0.102 7 / 28	1.4 1.4	1.4 1.4	1/Month	1/Month
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	4.37 4.37 6 / 29	15 15	15 15	1/Month	1/Month
Influent BOD_5	mg/L	Monthly Avg. Weekly Avg.	206 206	MR MR	MR MR	1/Month	1/Month

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/13 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
BOD_5 Minimum Percent Removal	%	Monthly Avg.	97.9	95	95	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.21 0.215 33 / 2	2.9 4.4	2.9 4.4	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	12.6 12.9 34 / 1	30 45	30 45	1/Month	1/Month
Influent Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	368 362	MR MR	MR MR	1/Month	1/Month
TSS Minimum Percent Removal	%	Monthly Avg.	92.3 (1)	85	85	1/Month	1/Month
Total Dissolved Solids (TDS)	mg/L	Monthly Avg. Daily Max.	-- --	-- --	MR MR	--	1/Quarter
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max	0.57 0.67	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max	35.3 44.1	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.01 -- 8 / 4	MR -- TMDL	MR -- TMDL	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	0.66 -- 8 / 4	1.0 -- TMDL	1.0 -- TMDL	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg # Det. / # ND	26.8 26.8 9 / 26	200 400	-- (2) -- (2)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max # Det. / # ND	2.77 164 4 / 1	MR MR	126 (2) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Instant. Min. Daily Avg.	5.7 8.38	4.0 5.0	4.0 5.0	1/ Month	1/ Month
Oil and Grease	mg/L	Monthly Avg. Instant Max. # Det. / # ND	2.9 2.9 1 / 11	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	3.1 15.7 26.3	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.5 7.63	6.5 8.5	6.5 8.5	1/Day	1/Day
Ammonia (Total as N) Summer – May 1 to Oct. 31	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.047 0.1 5 / 12	0.37 0.57	0.37 0.57	1/ Month	1/ Month
Ammonia (Total as N) Summer – May 1 to Oct. 31	mg/L	Monthly Avg. Daily Max. # Det. / # ND	2.74 5.73 5 / 12	3.9 6	3.9 6	1/ Month	1/ Month
Ammonia (Total as N) Winter – Nov. 1 to April 30	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.068 0.19 9 / 8	0.40 0.66	0.40 0.66	1/ Month	1/ Month
Ammonia (Total as N) Winter – Nov. 1 to April 30	mg/L	Monthly Avg. Daily Max. # Det. / # ND	3.00 7.02 9 / 8	4.2 7	4.2 7	1/ Month	1/ Month
Total Recoverable Copper	ug/L	Monthly Avg. Daily Max. # Det. / # ND	12.9 24.2 4 / 0	MR MR	MR MR	1/Year (3)	1/Year (3)
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	% effluent	Minimum # Det. # ND	19 19 (1 sample) >100 (2 samples)	MR	MR	1 / Year	1 / Year

Footnotes and Abbreviations:

MR Monitor and report only TMDL Total Maximum Daily Load

(1) Does not include entry from 7/1/15.

(2) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.

(3) Monitoring is required as an annual WCR requirement.

Lester D. Wilson Elementary School – NJG0027553

1 Facility Description:

NJPDES Flow Value: 0.0075 MGD

Treatment Units:
1. Septic tank
2. Underground denitrification / nitrification sand filter
3. Underground polishing sand filter
4. Ultraviolet disinfection unit

Sludge Management: Sludge is pumped from the septic tank and then trucked to an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Unnamed Tributary	Downstream Confluences:	Nishisakawick Creek
Via :	Outfall Pipe	Receiving River Basin:	Delaware River Basin
Classification:	FW2-NT (C1)	WMA:	11
Latitude:	40°34’ 08”	Watershed:	Hakihokakae/Harihokake/Nishisakawick Creek
Longitude:	75° 01’26”	Subwatershed:	Nishisakawick Creek (above 40d, 33m)
County:	Hunterdon	14 digit Hydrologic Unit Code:	02040105170040
Municipality:	Alexandria Township		
Outfall Description			
Outfall Configuration:	non-submerged pipe		
Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	0.0 cfs	MA1CD10 (1Q10) summer:	0.0 cfs
MA7CD10 / 7Q10:	0.0 cfs	MA1CD10 (1Q10) winter:	N/A
75th percentile flow (b):	0.2 cfs	MA30CD10 (30Q10) summer:	0.0 cfs
		MA30CD10 (30Q10) winter:	0.1 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0027553):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/2013 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.001 0.011	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.031 0.031 13 / 22	0.71 1.06	0.71 1.06	1/Month	1/Month
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	10.4 10.7 13 / 22	25 37.5	25 37.5	1/Month	1/Month
Influent BOD_5	mg/L	Monthly Avg. Weekly Avg.	542 550	MR MR	MR MR	1/Month	1/Month
BOD_5 Min. Percent Removal	%	Monthly Avg.	97.5	85	85	1/Month	1/Month

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/2013 to 3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.050 0.050 29 / 6	0.85 1.28	0.85 1.28	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	10.3 10.6 29 / 6	30 45	30 45	1/Month	1/Month
Influent TSS	mg/L	Monthly Avg. Weekly Avg.	1441 1441	MR MR	MR MR	1/Month	1/Month
TSS Min. Percent Removal	%	Monthly Avg.	97.3	85	85	1/Month	1/Month
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	0.020 0.020	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	13.4 13.4	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.008 0.010 16 / 1	MR MR	MR MR	1/ Quarter	1/ Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	3.0655 3.0098 16 / 1	MR MR	MR MR	1/ Quarter	1/ Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND	86 1462 9 / 25	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E Coli (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg.	159 803	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Instant Min. Daily Avg.	4 6.0	4.0 5.0	4.0 5.0	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Instant Max. # Det. / # ND	2.6 2.6 1 / 14	10 15	10 15	1/ Quarter	1/ Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	4.7 15.85 31.8	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.01 8.99	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N) Summer – May 1 to Oct. 31	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.013 0.030 13 / 4	MR 0.29	MR 0.29	1/Month	1/Month
Ammonia (Total as N) Summer – May 1 to Oct. 31	mg/L	Monthly Avg. Daily Max. # Det. / # ND	4.84 9.68 13 / 4	MR 10.2	MR 10.2	1/Month	1/Month
Ammonia (Total as N) Winter – Nov. 1 to April 30	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.014 0.014 12 / 5	MR 0.52	MR 0.52	1/Month	1/Month
Ammonia (Total as N) Winter – Nov. 1 to April 30	mg/L	Monthly Avg. Daily Max. # Det. / # ND	10.2 10.3 12 / 5	MR 18.4	MR 18.4	1/Month	1/Month
Total Recoverable Copper	ug/L	Monthly Avg. Daily Max. # Det. / # ND	5.3 6.2 5 / 0	MR MR	MR MR	1/Year	1/Year
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	%	Minimum # Det. # ND	16.2 16.2, 55 (2 samples) >100 (1 sample)	MR	MR	1/ Year	1/ 6 Months

Footnotes and Abbreviations:

MR Monitor and report only

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.

Kittatinny Regional High School - NJG0028894

1 Facility Description:

NJPDES Flow Value: 0.045 MGD

Treatment Units:
1. Bar Screen
2. Equalization Tank
3. Aeration Tank
4. Clarifiers (2 units)
5. Concrete Lined Settling Tank
6. Ultraviolet Disinfection
7. Aerated Manhole

Sludge Management: Sludge is managed at an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Paulins Kill	Downstream Confluences:	Delaware River
Via :	Outfall Pipe	Receiving River Basin:	Delaware River Basin
Classification:	FW2-NT	WMA:	01: Upper Delaware
Latitude:	41° 06’ 14”	Watershed:	Paulins Kill (above Stillwater Village)
Longitude:	74° 45’ 29.8”	Subwatershed:	Paulins Kill (Paulins Kill outlet to Dry Brook)
County:	Sussex	14 digit Hydrologic Unit Code:	02040105040080
Municipality:	Hampton	Water Quality Impairments:	Arsenic
Outfall Description			
Outfall Configuration:	non-submerged pipe		
Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	8.7 cfs	MA30CD10 (30Q10) summer:	13 cfs
MA7CD10 / 7Q10:	10 cfs	MA30CD10 (30Q10) winter:	26 cfs
75th percentile flow:	37 cfs		

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0028894):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.004 0.31	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.18 0.18 18 / 17	4.2 6.8	4.2 6.8	1/Month	1/Month
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	6.71 6.71 18 / 17	25 40	25 40	1/Month	1/Month
Influent BOD_5	mg/L	Monthly Avg. Weekly Avg.	201 201	MR MR	MR MR	1/Month	1/Month
BOD_5 Min. Percent Removal	%	Monthly Avg.	96.3	85	85	1/Month	1/Month

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg.	0.22 0.22	5.1 7.6	5.1 7.6	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	9.43 9.43	30 45	30 45	1/Month	1/Month
Influent TSS	mg/L	Monthly Avg. Weekly Avg.	245 245	MR MR	MR MR	1/Month	1/Month
TSS Min. Percent Removal	%	Monthly Avg.	92.7	85	85	1/Month	1/Month
Total Dissolved Solids (TDS)	mg/L	Monthly Avg. Daily Max.	-- --	-- --	MR MR	--	1/Quarter
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	1.36 1.64	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	49.4 62.1	MR MR	MR MR	1/ Year	1/ Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.005 0.005 7 / 2	MR MR	MR MR	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	0.37 0.37 7 / 2	1.0 MR	1.0 MR	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND	31.5 31.5 13 / 22	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	4.20 194	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Instant Min. Daily Avg.	5.85 8.95	4.0 5.0	4.0 5.0	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Instant Max. # Det. / # ND	2.6 2.6 1 / 11	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	0.1 13.51 25.9	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.01 7.85	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N) DO based Summer - May 1 to Oct.31	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.03 0.03 6/11	3.4 MR	3.4 MR	1/Month	1/Month
Ammonia (Total as N) DO based Summer - May 1 to Oct.31	mg/L	Monthly Avg. Daily Max. # Det. / # ND	1.03 1.03 6/11	20 MR	20 MR	1/Month	1/Month
Ammonia (Total as N) Winter - Nov. 1 to April 30	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.06 0.25 13/4	3.4 MR	3.4 MR	1/Month	1/Month
Ammonia (Total as N) Winter - Nov. 1 to April 30	mg/L	Monthly Avg. Daily Max. # Det. / # ND	1.75 7.58 13/4	20 MR	20 MR	1/Month	1/Month
Total Recoverable Copper	ug/L	Monthly Avg. Daily Max. # Det. / # ND	34.5 78.7 3 / 0	MR (2) MR (2)	MR (3) MR (3)	1/Year	1/Quarter (3)
Total Recoverable Zinc	ug/L	Monthly Avg. Daily Max. # Det. / # ND	115 216 3 / 0	MR (2) MR (2)	MR (3) MR (3)	1/Year	1/Quarter (3)
Acute Toxicity, LC50 *Pimephales promelas*	% effluent	Minimum	>100 (3 samples)	AL 50	AL 50	1/Year	1/Year

Footnotes and Abbreviations:

MR Monitor and report only AL Action Level

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.

(2) Monitoring was required as an Annual WCR requirement.

(3) Monitoring has been increased to quarterly and shall be reported on the Discharge Monitoring Report form.

Robert Erskine School – NJG0029432

1 Facility Description:

NJPDES Flow Value: 0.008 million gallons per day (MGD).

The wastewater treatment plant at Robert Erskine School also processes the sanitary wastewater from Peter Cooper School which is transferred over approximately two (2) times a week.

Treatment Units*:*
1. Bar Screen
2. Equalization Tank (Influent Well)
3. Extended Aeration Tank – Addition of Caustic Soda and Alum
4. Secondary Clarifier (Settling Tank)
5. Mud Well
6. Carbon Filters (2 units)
7. Post Aeration Tank
5. Ultraviolet (UV) Disinfection Chamber

Sludge Management: Sludge generated at this facility is held in a holding tank before being managed off-site at an approved residuals management operation.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Erskine Brook via storm sewer	Downstream Confluences:	Wanaque Reservoir
Via :	Outfall pipe	Receiving River Basin:	Passaic
Classification:	FW2-TM(C1)	WMA:	03
Latitude:	41° 05’ 31.5”	Watershed:	Wanaque River
Longitude:	74° 15’ 52.6”	Subwatershed:	Wanaque Reservoir (below Monks gage)
County:	Passaic	14 digit Hydrologic Unit Code:	02030103070050
Municipality:	Ringwood Borough	Water Quality Impairments:	Dissolved Oxygen, Temperature, E. Coli
Outfall Description			
Outfall Configuration:	submerged pipe		
Current Receiving Stream Design Low Flow Values			
MA1CD10 / 1Q10:	0.0 cfs	MA1CD10 (1Q10) summer:	N/A
MA7CD10 / 7Q10:	0.0 cfs	MA1CD10 (1Q10) winter:	N/A
75th percentile flow:	0.3 cfs	MA30CD10 (30Q10) summer:	0.0 cfs
		MA30CD10 (30Q10) winter:	0.2 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0029432):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 3/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.0006 0.003	MR MR	MR MR	Continuous	Continuous

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 3/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	kg/d	Monthly Avg. Weekly Avg.	0.0077 0.0077	0.24 0.36	0.24 0.36	1/Month	1/Month
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	mg/L	Monthly Avg. Weekly Avg.	2.0 2.0	8 12	8 12	1/Month	1/Month
Influent $CBOD_5$	mg/L	Monthly Avg. Weekly Avg.	147 147	MR MR	MR MR	1/Month	1/Month
$CBOD_5$ Min. Percent Removal	%	Monthly Avg.	98.6	85	85	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg.	0.022 0.022	0.91 1.4	0.91 1.4	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	6.9 6.9	30 45	30 45	1/Month	1/Month
Influent Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	266 266	MR MR	MR MR	1/Month	1/Month
TSS Min. Percent Removal	%	Monthly Avg.	96.9	85	85	1/Month	1/Month
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	-- --	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	-- --	MR MR	MR MR	1/ Year	1/ Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	0.0014 0.0014	MR MR TMDL	MR MR TMDL	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	0.44 0.44	1.6 2.4 TMDL	1.6 2.4 TMDL	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg.	2.1 2.1	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max.	<1 <1	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Monthly Avg. Instant Min	9.1 8.5	MR 7.0	MR 7.0	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Instant Max.	All values ND All values ND	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	7 15.4 23.1	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.05 8.21	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N) DO based Summer, May 1 to Oct.31	kg/d	Monthly Avg. Weekly Avg.	0.001 0.001	0.06 0.09	0.06 0.09	1/Month	1/Month
Ammonia (Total as N) DO based Summer, May 1 to Oct.31	mg/L	Monthly Avg. Weekly Avg.	0.30 0.30	2 3	2 3	1/Month	1/Month
Ammonia (Total as N) Toxicity based Winter - Nov. 1 to April 30	kg/d	Monthly Avg. Daily Max.	0.001 0.003	MR 0.21	MR 0.21	1/Month	1/Month
Ammonia (Total as N) Toxicity based Winter - Nov. 1 to April 30	mg/L	Monthly Avg. Daily Max.	0.33 1.1	MR 7.0	MR 7.0	1/Month	1/Month
Total Recoverable Copper	gr/d	Monthly Avg. Daily Max. # Det. / # ND	0.01 0.01 1 / 0	MR MR	MR MR	1/Year	1/Year
Total Recoverable Copper	µg/L	Monthly Avg. Daily Max. # Det. / # ND	22.1 22.1 1 / 0	MR MR	MR MR	1/ Year	1/ Year
Total Recoverable Zinc	gr/d	Monthly Avg. Daily Max. # Det. / # ND	0.04 0.04 1 / 0	MR MR	MR MR	1/ Year	1/ Year
Total Recoverable Zinc	µg/L	Monthly Avg. Daily Max. # Det. / # ND	93 93 1/0	MR MR	MR MR	1/ Year	1/ Year
Chronic Toxicity, IC25 *Ceriodaphnia dubia*	% effluent	Minimum # Det. # ND	13.8 13.8, 56 > 100 (2 samples)	MR	MR	1/Year	1/Year

Footnotes and Abbreviations:

MR Monitor and report only

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.
(2) Monitoring was required as an Annual WCR requirement.

North Warren Regional School District– NJG0031046

1 Facility Description:

NJPDES Flow Value: 0.02 MGD

Treatment Units:
1. Bar screen
2. Comminutor
3. Activated sludge with clarification
4. Sodium hypochlorite disinfection
5. Sulfur dioxide dechlorination
6. Post aeration

Sludge is stored in a holding tank before being managed at an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Paulins Kill	Receiving River Basin:	Delaware
Via :	Outfall pipe	WMA:	01
Classification:	FW2-TM	Watershed:	Upper Delaware
Latitude:	40° 58’ 46.8”	Subwatershed:	Paulins Kill (below Blairstown gauge)
Longitude:	74° 59’ 16.2”	14 digit Hydrologic Unit Code:	020401005050050
County:	Warren	Outfall Configuration:	non-submerged pipe
Municipality:	Blairstown Twp.	Water Quality Impairments:	Temperature, Mercury & PCB in fish tissue
Current Receiving Stream Design Low Flow Values *			
MA1CD10 / 1Q10:	13 cfs		
MA7CD10 / 7Q10:	18 cfs	MA1CD10 (1Q10) winter:	13 cfs
75th percentile flow:	72 cfs	MA30CD10 (30Q10):	22 cfs
		MA30CD10 (30Q10) winter:	46 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0031046):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.009 0.022	MR MR	MR MR	Continuous	Continuous

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	kg/d	Monthly Avg. Weekly Avg.	0.10 0.10	1.89 3.03	1.89 3.03	1/ Month	1/ Month
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	mg/L	Monthly Avg. Weekly Avg.	6.38 6.38	25 40	25 40	1/ Month	1/ Month
Influent $CBOD_5$	mg/L	Monthly Avg. Weekly Avg.	159 159	MR MR	MR MR	1/ Month	1/ Month
$CBOD_5$ Minimum Percent Removal	%	Monthly Avg.	96.9	85	85	1/ Month	1/ Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.20 0.20 30 / 5	2.28 3.41	2.28 3.41	1/ Month	1/ Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	9.4 9.4 30 / 5	30 45	30 45	1/ Month	1/ Month
Influent TSS	mg/L	Monthly Avg. Weekly Avg.	2004 2004	MR MR	MR MR	1/ Month	1/ Month
TSS Minimum Percent Removal	%	Monthly Avg.	98.9	85	85	1/ Month	1/ Month
Total Dissolved Solids (TDS)	mg/L	Monthly Avg. Daily Max.	-- --	-- --	MR MR	--	1/Quarter
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	1.67 4.79	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	6.02 8.38	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg.	0.010 0.010	MR MR	MR MR	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg.	0.72 0.72	MR MR	MR MR	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg. # Det. / # ND	39.0 84.5 5 / 30	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max # Det. / # ND	22.6 166 2 / 1	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Daily Avg. Instant Min.	8.49 7.04	6.0 5.0	6.0 5.0	1/ Month	1/ Month
Oil and Grease	mg/L	Monthly Avg. Instant Max. # Det. / # ND	8.11 8.11 1 / 12	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	3.1 14.84 25.7	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.58 7.91	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N) DO based Summer - May 1 to Oct.31	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.002 0.002 11 / 8	1.38 2.01	1.38 2.01	1/ Month	1/ Month
Ammonia (Total as N) DO based Summer - May 1 to Oct. 31	mg/L	Monthly Avg. Daily Max. # Det. / # ND	0.11 0.11 11 / 8	18.2 26.6	18.2 26.6	1/ Month	1/ Month
Ammonia (Total as N) Winter - Nov. 1 to April 30	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.004 0.004 9 / 8	MR MR	MR MR	1/ Month	1/ Month
Ammonia (Total as N) Winter - Nov. 1 to April 30	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	0.23 0.23 9 / 8	20 MR	20 MR	1/ Month	1/ Month
Chlorine Produced Oxidants	Kg/day	Monthly Avg.	0.0003	0.008	0.008	1/Day	1/Day
Chlorine Produced Oxidants	mg/L	Monthly Avg. # Det. / # ND	<0.01 0 / 35	0.1	0.1	1/Day	1/Day
Total Recoverable Copper	ug/L	Monthly Avg. Daily Max. # Det. / # ND	143 (2) 466 (2) 4 / 0	MR MR	MR (3) MR (3)	1/Year	1/Quarter (3)

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Total Recoverable Zinc	ug/L	Monthly Avg. Daily Max. # Det. / # ND	50.7 (2) 104 (2) 4 / 0	MR MR	MR (3) MR (3)	1/Year	1/Quarter (3)
Acute Toxicity, LC50 *Ceriodaphnia* (1)	% effluent	Minimum	>100 (2 samples)	AL 50	AL 50	1/ Year	1/ Year

Footnotes and Abbreviations:
MR Monitor and report only AL Action Level

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.
(2) Units of DMR data were corrected.
(3) Monitoring has been increased to quarterly and shall be reported on the Discharge Monitoring Report form.

High Point Regional High School – NJG0031585

1 Facility Description:

The facility's permitted flow value is 0.03 million gallons per day (MGD).

Treatment Units:
1. Comminutor
2. Aeration Tank
3. Clarifiers (2) Primary & Secondary in succession
4. Tertiary Filters (2) in parallel
5. Clear Well (post aeration)
6. Ultraviolet Disinfection Chamber

Sludge Management: Sludge is held in a holding tank before being managed at an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Papakating Creek West Branch	Downstream Confluences:	Wallkill River
Via :	Outfall pipe	Receiving River Basin:	Wallkill River Basin
Classification:	FW2-NT (C2)	WMA:	02
Latitude:	41° 12' 12.3"	Watershed:	Papakating Creek
Longitude:	74° 38' 35.4"	Subwatershed:	Papakating Creek West Branch (below 74d39m30s side road)
County:	Sussex	14 digit Hydrologic Unit Code:	02020007020050
Municipality:	Wantage Township		
Outfall Description			
Outfall Configuration:	non-submerged pipe		

Current Receiving Stream Design Low Flow Values*	
MA1CD10 /1Q10: 0.2 cfs	MA1CD10 (1Q10)summer: 0.2 cfs
MA7CD10 / 7Q10: 0.3 cfs	MA1CD10 (1Q10)winter: 0.2 cfs
75th percentil 2.9 cfs flow:	MA30CD10(30Q10summer: 0.5 cfs
	MA30CD10(30Q10)winter: 2.0 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0031585):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 3/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.0045 0.0409	MR MR	MR MR	Continuous	Continuous
5 Day Biochemical Oxygen Demand (BOD_5)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.06 0.06 8 / 28	1.7 1.7	1.7 1.7	1/Month	1/Month
5 Day Biochemical Oxygen Demand (BOD_5)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	4.5 4.5 8 / 28	15 15	15 15	1/Month	1/Month
Influent BOD_5	mg/L	Monthly Avg. Weekly Avg.	291 291	MR MR	MR MR	1/Month	1/Month
BOD_5 Min. Percent Removal	%	Monthly Avg.	98.5	85	85	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg.	0.06 0.08	3.4 5.1	3.4 5.1	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	3.4 3.4	30 45	30 45	1/Month	1/Month
Influent Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	406 406	MR MR	MR MR	1/Month	1/Month
TSS Min. Percent Removal	%	Monthly Avg.	98.9	85	85	1/Month	1/Month
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	0.66 10.4	MR MR	MR MR	1/Year	1/Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	25.6 32.3	MR MR	MR MR	1/Year	1/Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.04 0.04 10 / 1	MR MR	MR MR	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	1.9 2.04 10 / 1	MR MR	MR MR	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg.	36.7 81.6	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	20.7 600	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Instant Min. Daily Avg. Min.	5.77 8.96	4.0 5.0	4.0 5.0	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Instant Max.	2.3 2.3	10 15	10 15	1/ Quarter	1/ Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	1.8 14.3 25.9	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.5 8.47	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia Total (as N) Summer – May 1 to Oct. 31	kg/d	Monthly Avg. Weekly Avg.	0.13 0.13	MR MR	MR MR	1/Month	1/Month
Ammonia Total (as N) Summer – May 1 to Oct. 31	mg/L	Monthly Avg. Weekly Avg.	5.2 5.2	MR MR	MR MR	1/Month	1/Month
Ammonia Total (as N) Winter – Nov. 1 to April 30	kg/d	Monthly Avg. Weekly Avg.	0.11 0.11	MR MR	MR MR	1/Month	1/Month
Ammonia Total (as N) Winter – Nov. 1 to April 30	mg/L	Monthly Avg. Weekly Avg.	4.7 4.7	MR MR	MR MR	1/Month	1/Month
Total Recoverable Copper	ug/L	Monthly Avg. Daily Max. # Det. / # ND	55.9 110 4 / 0	MR MR	MR (2) MR (2)	1/Year	1/Quarter (2)

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Total Recoverable Zinc	mg/L	Monthly Avg. Daily Max. # Det. / # ND	0.757 1.980 4 / 0	MR MR	MR (2) MR (2)	1/Year	1/Quarter (2)
Acute Toxicity, LC50 *Ceriodaphnia dubia*	% effluent	Minimum	>100 (4 samples)	50	50 AL	1/Year	1/Year

Footnotes and Abbreviations:
MR Monitor and report only AL- Action Level

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.
(2) Monitoring has been increased to quarterly and shall be reported on the Discharge Monitoring Report form.

Alexandria Middle School- NJG0035670

1 Facility Description:

NJPDES Flow Value: 0.0099 MGD

Treatment Units:
1. Comminutor
2. Aerated equalization tank
3. Extended aeration activated sludge tank
4. Clarifier
5. Rapid sand filter (steel tank)
6. Ultraviolet disinfection system

Sludge Management: Sludge is stored in holding tanks before being removed to an approved residuals management site.

2 Receiving Water Information:

Outfall Designator: 001A

General Information		Watershed Information	
Receiving Water:	Nishisakawick Creek	Downstream Confluences:	Delaware River
Via :	Outfall pipe	Receiving River Basin:	Delaware River Basin
Classification:	FW2-NT (C1)	WMA :	11
Latitude:	40° 34’ 23”	Watershed:	Hakihokake / Nishisakawick Ck
Longitude:	75° 00’ 36.8”	Subwatershed:	Nishisakawick Creek (above 40d 33m)
County:	Hunterdon	14 digit Hydrologic Unit Code:	02040105170040
Municipality:	Alexandria Township		
Outfall Description			
Outfall Configuration:	non-submerged pipe	Submerged Pipe Characteristics:	N/A
Current Receiving Stream Design Low Flow Values*			
MA1CD10 / 1Q10:	0.1 cfs	MA7CD10 (1Q10) winter:	0.3 cfs
MA7CD10 / 7Q10:	0.1 cfs	MA30CD10 (30Q10) summer:	0.2 cfs
75th percentile flow:	0.6 cfs	MA30CD10 (30Q10) winter:	0.4 cfs

* Information from Final Permit Approved 1/1/12.

3 Permit Summary Table and Permit Requirements (NJG0035670):

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/1/2013 –3/30/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Flow	MGD	Monthly Avg. Daily Max.	0.0013 0.0116	MR MR	MR MR	Continuous	Continuous
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	kg/d	Monthly Avg. Weekly Avg. # Det. / # ND	0.029 0.029 20 / 15	0.094 1.405	0.094 1.405	1/Month	1/Month
5 Day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	mg/L	Monthly Avg. Weekly Avg. # Det. / # ND	6.19 6.2 17 / 18	25 37.5	25 37.5	1/Month	1/Month
Influent $CBOD_5$	mg/L	Monthly Avg. Weekly Avg.	181 195	MR MR	MR MR	1/Month	1/Month
$CBOD_5$ Min. Percent Removal	%	Monthly Avg.	94.9	85	85	1/Month	1/Month
Total Suspended Solids (TSS)	kg/d	Monthly Avg. Weekly Avg.	0.088 0.090	1.12 1.70	1.12 1.70	1/Month	1/Month
Total Suspended Solids (TSS)	mg/L	Monthly Avg. Weekly Avg.	16.4 16.9	30 45	30 45	1/Month	1/Month
Influent TSS	mg/L	Monthly Avg. Weekly Avg.	411 411	MR MR	MR MR	1/Month	1/Month
TSS Min. Percent Removal	%	Monthly Avg.	91.6	85	85	1/Month	1/Month
Nitrate (Total as N)	kg/d	Monthly Avg. Daily Max.	0.27 0.64	MR MR	MR MR	1 / Year	1 / Year
Nitrate (Total as N)	mg/L	Monthly Avg. Daily Max.	56.9 88.2	MR MR	MR MR	1 / Year	1 / Year
Phosphorus (Total as P)	kg/d	Monthly Avg. Daily Max.	0.028 0.072	MR MR	MR MR	1/Quarter	1/Quarter
Phosphorus (Total as P)	mg/L	Monthly Avg. Daily Max.	6.34 9.65	MR MR	MR MR	1/Quarter	1/Quarter
Fecal Coliform (geometric mean)	# per 100mL	Monthly Avg. Weekly Avg.	60.0 394	200 400	-- (1) -- (1)	1/Month	1/Month - Initial
E. Coli (geometric mean)	# per 100mL	Monthly Avg. Instant Max	48.0 400	MR MR	126 (1) MR	5 / Month in an annual period	1/Quarter - Initial 1/Month - Final
Dissolved Oxygen (minimum)	mg/L	Instant Min. Daily Avg.	5 7.56	4.0 5.0	4.0 5.0	1/Month	1/Month
Oil and Grease	mg/L	Monthly Avg. Instant Max.	< 2.29 to < 5 < 2.29 to < 5	10 15	10 15	1/Quarter	1/Quarter
Effluent Temperature	°C	Instant. Min. Monthly Avg. Instant. Max.	2.8 16.7 38.1	MR MR MR	MR MR MR	1/Day	1/Day
Effluent pH	su	Instant. Min. Instant. Max.	6.01 9.98	6.0 9.0	6.0 9.0	1/Day	1/Day
Ammonia (Total as N), May 1 – Oct. 31	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.0021 0.018 13 / 5	MR 0.39	MR 0.39	1/Month	1/Month
Ammonia (Total as N), May 1 – Oct. 31	mg/L	Monthly Avg. Daily Max. # Det. / # ND	0.42 3 13 / 5	MR 10.5	MR 10.5	1/Month	1/Month
Ammonia (Total as N), Nov. 1 – Apr. 30	kg/d	Monthly Avg. Daily Max. # Det. / # ND	0.035 0.35 14 / 3	0.75 0.82	0.75 0.82	1/Month	1/Month
Ammonia (Total as N), Nov. 1 – Apr. 30	mg/L	Monthly Avg. Daily Max. # Det. / # ND	5.80 47.9 14 / 3	20 22	20 22	1/Month	1/Month
Total Recoverable Copper	g/day	Monthly Avg. Daily Max. # Det. / # ND	0.278 0.278 11 / 24	MR 4	MR 4	1/Quarter	1/Quarter
Total Recoverable Copper	µg/L	Monthly Avg. Daily Max. # Det. / # ND	53.9 53.9 11 / 24	MR 96.2	MR 96.2	1/Quarter	1/Quarter
Total Recoverable Zinc	g/day	Monthly Avg. Daily Max. # Det. / # ND	1.11 4.19 7 / 0	MR MR	MR (2) MR (2)	1/6 Months	1/Quarter (2)

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 4/2013 – 2/2016	EXISTING LIMITS	FINAL LIMITS	EXISTING MONITORING FREQUENCY	FINAL MONITORING FREQUENCY
Total Recoverable Zinc	µg/L	Monthly Avg. Daily Max. # Det. / # ND	223 528 7 / 0	MR MR	MR (2) MR (2)	1/6 Months	1/Quarter (2)
Acute Toxicity, LC50 *Ceriodaphnia dubia*	%	Minimum	>100 (3 samples)	MR	MR	1/ Year	1/ Year
Acute Toxicity, LC50 *Pimephales promelas*	%	Minimum	>100 (3 samples)	MR	--	1/ Year	--

Footnotes and Abbreviations:

MR Monitor and report only

(1) A monthly average limit of 126 #/100 ml for E. Coli will ***replace*** the effluent limits for fecal coliform at EDP + 1 year. From EDP to EDP + 1 year, fecal coliform limits and monthly fecal coliform monitoring is still applicable; however, quarterly monitoring for E. Coli is also required. From EDP + 1 year until permit expiration, monthly monitoring for E. Coli will be required where fecal coliform effluent limits and monitoring will no longer be applicable.

(2) Monitoring has been increased to quarterly and shall be reported on the Discharge Monitoring Report form.

NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM

The New Jersey Department of Environmental Protection hereby grants you a NJPDES permit for the facility/activity named in this document. This permit is the regulatory mechanism used by the Department to help ensure your discharge will not harm the environment. By complying with the terms and conditions specified, you are assuming an important role in protecting New Jersey's valuable water resources. Your acceptance of this permit is an agreement to conform with all of its provisions when constructing, installing, modifying, or operating any facility for the collection, treatment, or discharge of pollutants to waters of the state. If you have any questions about this document, please feel free to contact the Department representative listed in the permit cover letter. Your cooperation in helping us protect and safeguard our state's environment is appreciated.

Permit Number: NJ0193381

Final: Surface Water Master General Permit Renewal

Permittee:
NJPDES Master General Permit Program Interest
Category ASC
Per Individual Notice of Authorization
Division of Water Quality
401-02B; P.O. Box 420
401 East State Street
Trenton, NJ 08625

Property Owner:
NJPDES Master General Permit Program Interest
Category ASC
Per Individual Notice of Authorization
Division of Water Quality
401-02B; P.O. Box 420
401 East State Street
Trenton, NJ 08625

Location Of Activity:
NJPDES Master General Permit Program Interest
Category ASC
Per Individual Notice of Authorization
Division of Water Quality
401-02B; P.O. Box 420
401 East State Street
Trenton, NJ 08625

Authorization(s) Covered Under This Approval	Issuance Date	Effective Date	Expiration Date
ASC - Consolidated DSW Renewal School (GP)	12/14/2016	01/01/2017	12/31/2021

Susan Rosenwinkel

By Authority of:
Commissioner's Office

DEP AUTHORIZATION
Susan Rosenwinkel, Section Chief
Bureau of Surface Water Permitting
Water Pollution Management Element
Division of Water Quality

(Terms, conditions and provisions attached hereto)

PART I
GENERAL REQUIREMENTS:
NJPDES

A. General Requirements of all NJPDES Permits

1. Requirements Incorporated by Reference

a. The permittee shall comply with all conditions set forth in this permit and with all the applicable requirements incorporated into this permit by reference. The permittee is required to comply with the regulations, including those cited in paragraphs b. through e. following, which are in effect as of the effective date of the final permit.

b. General Conditions

Penalties for Violations	N.J.A.C. 7:14-8.1 et seq.
Incorporation by Reference	N.J.A.C. 7:14A-2.3
Toxic Pollutants	N.J.A.C. 7:14A-6.2(a)4i
Duty to Comply	N.J.A.C. 7:14A-6.2(a)1 & 4
Duty to Mitigate	N.J.A.C. 7:14A-6.2(a)5 & 11
Inspection and Entry	N.J.A.C. 7:14A-2.11(e)
Enforcement Action	N.J.A.C. 7:14A-2.9
Duty to Reapply	N.J.A.C. 7:14A-4.2(e)3
Signatory Requirements for Applications and Reports	N.J.A.C. 7:14A-4.9
Effect of Permit/Other Laws	N.J.A.C. 7:14A-6.2(a)6 & 7 & 2.9(c)
Severability	N.J.A.C. 7:14A-2.2
Administrative Continuation of Permits	N.J.A.C. 7:14A-2.8
Permit Actions	N.J.A.C. 7:14A-2.7(c)
Reopener Clause	N.J.A.C. 7:14A-6.2(a)10
Permit Duration and Renewal	N.J.A.C. 7:14A-2.7(a) & (b)
Consolidation of Permit Process	N.J.A.C. 7:14A-15.5
Confidentiality	N.J.A.C. 7:14A-18.2 & 2.11(g)
Fee Schedule	N.J.A.C. 7:14A-3.1
Treatment Works Approval	N.J.A.C. 7:14A-22 & 23

c. Operation And Maintenance

Need to Halt or Reduce not a Defense	N.J.A.C. 7:14A-2.9(b)
Proper Operation and Maintenance	N.J.A.C. 7:14A-6.12

d. Monitoring And Records

Monitoring	N.J.A.C. 7:14A-6.5
Recordkeeping	N.J.A.C. 7:14A-6.6
Signatory Requirements for Monitoring Reports	N.J.A.C. 7:14A-6.9

e. Reporting Requirements

Planned Changes	N.J.A.C. 7:14A-6.7
Reporting of Monitoring Results	N.J.A.C. 7:14A-6.8
Noncompliance Reporting	N.J.A.C. 7:14A-6.10 & 6.8(h)
Hotline/Two Hour & Twenty-four Hour Reporting	N.J.A.C. 7:14A-6.10(c) & (d)
Written Reporting	N.J.A.C. 7:14A-6.10(e) &(f) & 6.8(h)
Duty to Provide Information	N.J.A.C. 7:14A-2.11, 6.2(a)14 & 18.1
Schedules of Compliance	N.J.A.C. 7:14A-6.4
Transfer	N.J.A.C. 7:14A-6.2(a)8 & 16.2

PART II

GENERAL REQUIREMENTS: DISCHARGE CATEGORIES

A. Additional Requirements Incorporated By Reference

1. Requirements for Discharges to Surface Waters

a. In addition to conditions in Part I of this permit, the conditions in this section are applicable to activities at the permitted location and are incorporated by reference. The permittee is required to comply with the regulations which are in effect as of the effective date of the final permit.

i. Surface Water Quality Standards N.J.A.C. 7:9B-1

ii. Water Quality Management Planning Regulations N.J.A.C. 7:15

B. General Conditions

1. Scope

a. The issuance of this permit shall not be considered as a waiver of any applicable federal, state, and local rules, regulations and ordinances.

2. Permit Renewal Requirement

a. Permit conditions remain in effect and enforceable until and unless the permit is modified, renewed or revoked by the Department.

b. Submit a complete permit renewal application: 180 days before the expiration date.

3. Notification of Non-Compliance

a. The permittee shall notify the Department of all non-compliance when required in accordance with N.J.A.C. 7:14A-6.10 by contacting the DEP HOTLINE at 1-877-WARNDEP (1-877-927-6337).

b. The permittee shall submit a written report as required by N.J.A.C. 7:14A-6.10 within five days.

4. Notification of Changes

a. The permittee shall give written notification to the Department of any planned physical or operational alterations or additions to the permitted facility when the alteration is expected to result in a significant change in the permittee's discharge and/or residuals use or disposal practices including the cessation of discharge in accordance with N.J.A.C. 7:14A-6.7.

b. Prior to any change in ownership, the current permittee shall comply with the requirements of N.J.A.C. 7:14A-16.2, pertaining to the notification of change in ownership.

5. Access to Information

a. The permittee shall allow an authorized representative of the Department, upon the presentation of credentials, to enter upon a person's premises, for purposes of inspection, and to access/copy any records that must be kept under the conditions of this permit.

6. Operator Certification

a. Pursuant to N.J.A.C. 7:10A-1.1 et seq. every wastewater system not exempt pursuant to N.J.A.C. 7:10A-1.1(b) requires a licensed operator. The operator of a system shall meet the Department's requirements pursuant to N.J.A.C. 7:10A-1.1 and any amendments. The name of the proposed operator, where required shall be submitted to the Department at the address below, in order that his/her qualifications may be determined prior to initiating operation of the treatment works.

i. Notifications shall be submitted to:
NJDEP
Bureau of Licensing & Pesticides Operations
Mail Code 401-04E
P.O. Box 420
Trenton, New Jersey 08625-0420
(609) 777-1013

b. The permittee shall notify the Department of any changes in licensed operator within two weeks of the change.

7. Operation Restrictions

a. The operation of a waste treatment or disposal facility shall at no time create: (a) a discharge, except as authorized by the Department in the manner and location specified in Part III of this permit; (b) any discharge to the waters of the state or any standing or ponded condtion for water or waste, except as specifically authorized by a valid NJPDES permit.

8. Standard Reporting Requirements – Monitoring Report Forms (MRFs)

a. As of the effective date identified below, all required monitoring results reported on Monitoring Report Forms (MRFs) shall be electronically submitted to the Department via NJDEP's Electronic Monitoring Report Form (MRF) Submission Service.

b. Any electronic MRF data submission shall be in accordance with the guidelines and provisions outlined in the Department's Electronic Data Interchange (EDI) agreement with the permittee.

c. MRFs shall be submitted at the frequencies identified in Part III of this permit.

d. All MRFs shall be certified by the highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility.

e. The highest ranking official may delegate responsibility to certify the MRFs in his or her absence. Authorizations for other individuals to certify shall be made in accordance with N.J.A.C. 7:14A-4.9(b).

f. Monitoring results shall be submitted in accordance with the current NJPDES Monitoring Report Form Reference Manual and any updates thereof.

g. If monitoring for a parameter is not required in a monitoring period, the permittee must report "CODE=N" for that parameter.

h. If, for a monitored location, there are no discharge events during an entire monitoring period, the permittee must notify the Department when submitting the monitoring results by checking the "No Discharge this monitoring period" box on the paper or electronic version of the monitoring report submittal form.

9. Standard Reporting Requirements - Electronic Submission of NJPDES Information

a. Effective December 21, 2020, the below identified documents and reports, if required to be submitted by this permit, shall be electronically submitted to the NJDEP via the Department's designated Electronic Submission Service.

i. General permit authorization requests (i.e. RFAs)

ii. General permit termination/revocation requests

PART III
LIMITS AND MONITORING REQUIREMENTS

MONITORED LOCATION:	RECEIVING STREAM:	STREAM CLASSIFICATION:	DISCHARGE CATEGORY(IES):
ASCA Sanitary Outfall	On Individual Authorization		ASC - Consolidated DSW Renewal School (GP)

Location Description

Individual authorization will reference latitude and longitude of discharge location.

Contributing Waste Types

Sanitary

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP) Unless specified otherwise, all limits have been retained from the existing permit pursuant to N.J.A.C. 7:14A-13.19. Please refer to the individual authorization for more information.

Comments:

Effluent limitations and monitoring requirements are contained on the Permit Summary Tables and Part III of the individual authorizations.

Table III - A - 1: Surface Water DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Flow, Total	Effluent Gross Value	*****	REPORT Daily Average	MGD	*****	*****	*****	*****	1/Month	Metered
January thru December	QL	***	***		***	***	***			

Surface Water WCR - Annual Reporting Requirements:

Submit an Annual WCR: within twenty-five days after the end of every 12 month monitoring period beginning from the effective date of the permit (EDP).

Comments:

Annual monitor and report requirements shall be included for copper and zinc for certain facilities as specified on the WCR form. Bromodichloromethane, bromoform, and chloroform shall be sampled on an annual basis for facilities that chlorinate. See Part III of the individual authorizations for specific sampling requirements.

Table III - A - 2: Surface Water WCR - Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Copper, Total (as Cu)	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Zinc, Total Recoverable	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Bromoform	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Chloroform	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Bromodichloromethane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years.

Comments:

All parameters on this semi-annual WCR shall be monitored and reported once per permit cycle. The test shall be conducted EDP + 48 months (4 years) and EDP + 54 months (4.5 years). Monitor and report requirements will be contained in the individual authorizations.

Table III - A - 3: Surface Water WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Cyanide, Total (as CN)	Effluent Gross Value	REPORT	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years.

Comments:

All parameters on this semi-annual WCR shall be monitored and reported once per permit cycle. The test shall be conducted EDP + 48 months (4 years) and EDP + 54 months (4.5 years). Monitor and report requirements will be contained in the individual authorizations.

Table III - A - 3: Surface Water WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Arsenic, Total Recoverable (as As)	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Selenium, Total Recoverable	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Thallium, Total Recoverable	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Beryllium, Total Recoverable (as Be)	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Barium, Total Recoverable (as Ba)	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Nickel, Total Recoverable	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Silver, Total Recoverable	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Cadmium, Total Recoverable	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Lead, Total Recoverable	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Chromium, Total Recoverable	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Antimony, Total Recoverable	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Mercury Total Recoverable	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Acenaphthylene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Acenaphthene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Anthracene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years.

Comments:

All parameters on this semi-annual WCR shall be monitored and reported once per permit cycle. The test shall be conducted EDP + 48 months (4 years) and EDP + 54 months (4.5 years). Monitor and report requirements will be contained in the individual authorizations.

Table III - A - 3: Surface Water WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Benzo(b)fluoranthene (3,4-benzo)	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Benzo(k)fluoranthene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Benzo(a)pyrene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Bis(2-chloroethyl) ether	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Bis(2-chloroethoxy) methane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Bis (2-chloroiso-propyl) ether	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Butyl benzyl phthalate	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Chrysene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Diethyl phthalate	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Dimethyl phthalate	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,2-Diphenyl-hydrazine	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Fluoranthene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Fluorene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Hexachlorocyclo-pentadiene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Hexachloroethane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years.

Comments:

All parameters on this semi-annual WCR shall be monitored and reported once per permit cycle. The test shall be conducted EDP + 48 months (4 years) and EDP + 54 months (4.5 years). Monitor and report requirements will be contained in the individual authorizations.

Table III - A - 3: Surface Water WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Indeno(1,2,3-cd)-pyrene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Isophorone	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
N-nitrosodi-n-propylamine	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
N-nitrosodiphenyl-amine	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
N-nitrosodimethyl-amine	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Nitrobenzene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Phenanthrene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Pyrene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Benzo(ghi)perylene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Benzo(a)anthracene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,2-Dichlorobenzene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,2,4-Trichloro-benzene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Dibenzo(a,h) anthracene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,3-Dichlorobenzene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,4-Dichlorobenzene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years.

Comments:

All parameters on this semi-annual WCR shall be monitored and reported once per permit cycle. The test shall be conducted EDP + 48 months (4 years) and EDP + 54 months (4.5 years). Monitor and report requirements will be contained in the individual authorizations.

Table III - A - 3: Surface Water WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
2-Chloronaphthalene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Di-n-octyl Phthalate	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2,4-Dinitrotoluene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2,6-Dinitrotoluene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
3,3'-Dichloro-benzidine	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
4-Bromophenyl phenyl ether	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Naphthalene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Bis(2-ethylhexyl) phthalate	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Di-n-butyl phthalate	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Benzidine	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Hexachlorobenzene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Hexachlorobutadiene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,3-Dichloropropene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,2,4,5-Tetrachloro-benzene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
N-nitrosodiethyl-amine	Effluent Gross Value	REPORT	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years.

Comments:

All parameters on this semi-annual WCR shall be monitored and reported once per permit cycle. The test shall be conducted EDP + 48 months (4 years) and EDP + 54 months (4.5 years). Monitor and report requirements will be contained in the individual authorizations.

Table III - A - 3: Surface Water WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
N-nitrosopyrrolidine	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Carbon Tetrachloride	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,2-Dichloroethane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Bromoform	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Chloroform	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Toluene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Benzene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Acrolein	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Acrylonitrile	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Chlorobenzene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Chlorodibromomethane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Ethylbenzene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Methyl Bromide	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Methyl Chloride	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Methylene Chloride	Effluent Gross Value	REPORT	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years.

Comments:

All parameters on this semi-annual WCR shall be monitored and reported once per permit cycle. The test shall be conducted EDP + 48 months (4 years) and EDP + 54 months (4.5 years). Monitor and report requirements will be contained in the individual authorizations.

Table III - A - 3: Surface Water WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Tetrachloroethylene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Trichlorofluoro-methane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,1-Dichloroethane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,1-Dichloroethylene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,1,1-Trichloro-ethane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,1,2-Trichloro-ethane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,1,2,2-Tetrachloro-ethane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,2-Dichloropropane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,2-trans-Dichloro-ethylene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2-Chloroethyl Vinyl Ether (Mixed)	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Bromodichloromethane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Vinyl Chloride	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Trichloroethylene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
N-Nitrosodi-n-butylamine	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Chloroethane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years.

Comments:

All parameters on this semi-annual WCR shall be monitored and reported once per permit cycle. The test shall be conducted EDP + 48 months (4 years) and EDP + 54 months (4.5 years). Monitor and report requirements will be contained in the individual authorizations.

Table III - A - 3: Surface Water WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Parachloro-m-cresol	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Phenols	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2,4,5-Trichloro-phenol	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2-Chlorophenol	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2-Nitrophenol	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2,4-Dichlorophenol	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2,4-Dimethylphenol	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2,4-Dinitrophenol	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2,4,6-Trichloro-phenol	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
4-Chlorophenyl phenyl ether	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
4-Nitrophenol	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
4,6-Dinitro-o-cresol	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Phenol Single Compound	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Pentachlorophenol	Effluent Gross Value	REPORT	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years.

Comments:

All parameters on this semi-annual WCR shall be monitored and reported once per permit cycle. The test shall be conducted EDP + 48 months (4 years) and EDP + 54 months (4.5 years). Monitor and report requirements will be contained in the individual authorizations.

Table III - A - 3: Surface Water WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Pentachlorobenzene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December

PART IV

SPECIFIC REQUIREMENTS: NARRATIVE

Consolidated DSW Renewal School (GP)

A. MONITORING REQUIREMENTS

1. Standard Monitoring Requirements

a. Each analysis required by this permit shall be performed by a New Jersey Certified Laboratory that is certified to perform that analysis.

b. The permittee shall perform all water/wastewater analyses in accordance with the analytical test procedures specified in 40 CFR 136 unless other test procedures have been approved by the Department in writing or as otherwise specified in the permit.

c. When more than one test procedure is approved for the analysis of a pollutant or pollutant parameter, the test procedure must be sufficiently sensitive as defined at 40 CFR 136, 122.21(e)(3), and 122.44(i)(1)(iv).

d. All sampling shall be conducted in accordance with the Department's Field Sampling Procedures Manual, or an alternate method approved by the Department in writing.

e. All monitoring shall be conducted as specified in Part III.

f. All sample frequencies expressed in Part III are minimum requirements. Any additional samples taken consistent with the monitoring and reporting requirements contained herein shall be reported with the Monitoring Report Forms.

g. If annual and semi-annual wastewater testing is specified, it shall be conducted in a different quarter of each year so that tests are conducted in each of the four permit quarters of the permit cycle. Testing may be conducted during any month of the permit quarters.

h. Flow shall be measured using a meter unless specified otherwise in the individual authorization.

B. RECORDKEEPING

1. Standard Recordkeeping Requirements

a. The permittee shall retain records of all monitoring information, including 1) all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation (if applicable), 2) copies of all reports required by this NJPDES permit, 3) all data used to complete the application for a NJPDES permit, and 4) monitoring information required by the permit related to the permittee's residual use and/or disposal practices, for a period of at least 5 years, or longer as required by N.J.A.C. 7:14A-20, from the date of the sample, measurement, report, application or record.

b. Records of monitoring information shall include 1) the date, locations, and time of sampling or measurements, 2) the individual(s) who performed the sampling or measurements, 3) the date(s) the analyses were performed, 4) the individual(s) who performed the analyses, 5) the analytical techniques or methods used, and 6) the results of such analyses.

C. REPORTING

1. Standard Reporting Requirements

a. In accordance with the schedule in Part II of the permit, all required monitoring results reported on Monitoring Report Forms (MRFs) shall be electronically submitted to the Department via NJDEP's Electronic Monitoring Report Form (MRF) Submission Service.

b. For intermittent discharges, the permittee shall obtain a sample during at least one of the discharge events occurring during a monitoring period.

c. If the permittee does not anticipate discharge events for one year or more and does not want to receive monitoring report forms (MRFs), please contact the Bureau of Surface Water Permittting at (609) 292-4860 to temporarily cease MRF generation. In the event that a discharge is expected to occur, notify the Bureau of Surface Water Permitting as far in advance as possible to resume MRF generation.

D. SUBMITTALS

1. Standard Submittal Requirements

a. The permittee shall amend the Operation & Maintenance Manual whenever there is a change in the treatment works design, construction, operations or maintenance which substantially changes the treatment works operations and maintenance procedures.

E. FACILITY MANAGEMENT

1. Discharge Requirements

a. The permittee shall discharge at the location(s) specified in PART III of the individual authorization.

b. The permittee shall not discharge foam or cause foaming of the receiving water that: 1) Forms objectionable deposits on the receiving water, 2) Forms floating masses producing a nuisance, or 3) Interferes with a designated use of the waterbody.

c. The permittee's discharge shall not produce objectionable color or odor in the receiving stream.

d. The discharge shall not exhibit a visible sheen.

e. When an average of three (3) consecutive rolling monthly average values of the committed flow (actual flow and approved allocated flow) reaches or exceeds 80% of the permitted capacity the permittee shall:

i. Develop a Capacity Assurance Program (CAP) in accordance with N.J.A.C. 7:14A-22.16

ii. For more information concerning the CAP, please contact the Bureau of Construction and Connection Permits at (609) 984-4429.

iii. Contact the Office of Water Resources Management Coordination to discuss whether an amendment to the Water Quality Management Plan (WQMP) or Wastewater Management Plan (WMP) will be necessary.

2. Applicability of Discharge Limitations and Effective Dates

a. Surface Water Discharge Monitoring Report (DMR) Form Requirements

i. (If a one year compliance schedule is included for the individual authorization- Part III) This permit includes multiple phases for "initial" and "final." The "initial" phase limits are effective from the effective date of the permit (EDP) to EDP + 12 months. The "final" limits will become effective beginning EDP + 12 months.

b. Wastewater Characterization Report (WCR) Form Requirements

i. The final effluent monitoring conditions in Part III of the individual authorization apply for the full term of this permit action.

3. Operation, Maintenance and Emergency Conditions

a. The permittee shall operate and maintain treatment works and facilities which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit as specified in the Operation and Maintenance Manual.

b. The permittee shall develop emergency procedures to ensure effective operation of the treatment works under emergency conditions in accordance with N.J.A.C. 7:14A-6.12(d).

4. Acute Toxicity Testing Requirements (applicable only if an acute toxicity requirement is specified in Part III)

a. The permittee shall conduct toxicity tests on its wastewater discharge in accordance with the provisions in this section. Such testing will determine if appropriately selected effluent concentrations adversely affect the test species.

b. Acute toxicity tests shall be conducted using the test species and method identified in Part III of the individual authorization.

c. Part III of the individual authorization may contain an effluent limitation or Action Level (AL) for acute Whole Effluent Toxicity. Toxicity Reduction and Implementation Requirements may be triggered based on exceedences of this limitation. See the Toxicity Reduction and Implementation Requirements section below for more details.

d. Any test that does not meet the specifications of N.J.A.C. 7:18, laboratory certification regulations, must be repeated within 30 days of the completion of the initial test. The repeat test shall not replace subsequent testing required in Part III.

e. LC50 - Lethal Concentration - Concentration of effluent that is lethal to 50% of the test organisms, as compared to the control.

f. NOAEC (No Observable Adverse Effect Concentration): The lowest concentration of effluent where survival in the test group is not significantly different from the control. This is always set at 100% effluent.

g. The permittee shall submit an Acute Methodology Questionnaire within 60 days of commencement of discharge or of any change in laboratory.

h. Submit an acute whole effluent toxicity test report along with your Discharge Monitoring Reports within twenty-five days after the end of every month during which an acute whole effluent toxicity test was performed. These toxicity tests shall be performed according to the frequency specified in the individual General Permit Authorization. The permittee shall submit toxicity test results on the appropriate forms.

i. Test reports shall be submitted to:
NJDEP
Mail Code 401-02B
Bureau of Surface Water Permitting
P.O. Box 420
Trenton, New Jersey 08625-0420

5. Chronic Toxicity Testing Requirements (applicable only if a chronic toxicity requirement is specified in Part III)

a. The permittee shall conduct toxicity tests on its wastewater discharge in accordance with the provisions in this section. Such testing will determine if appropriately selected effluent concentrations adversely affect the test species.

b. Chronic toxicity tests shall be conducted using the test species and method identified in Part III of this permit.

c. Any test that does not meet the specifications contained in the Department's "Chronic Toxicity Testing Specifications for Use in the NJPDES Program" document must be repeated within 30 days of the completion of the initial test. The repeat test shall not replace subsequent testing required in Part III.

d. The permittee shall collect and analyze the concentration of ammonia-N in the effluent on the day a sample is collected for WET testing. This result is to be reported on the Biomonitoring Report Form.

e. IC25 - Inhibition Concentration - Concentration of effluent which has an inhibitory effect on 25% of the test organisms for the monitored effect, as compared to the control (expressed as percent effluent).

f. Test results shall be expressed as the IC25 for each test endpoint. Where a chronic toxicity testing endpoint yields IC25's from more than one test endpoint, the most sensitive endpoint will be used to evaluate effluent toxicity.

g. The permittee shall submit a Chronic Methodology Questionnaire within 60 days of commencement of discharge or of any change in laboratory.

h. Submit a chronic whole effluent toxicity test report along with your Discharge Monitoring Reports within twenty-five days after the end of every month during which a chronic whole effluent toxicity test was performed. These toxicity tests shall be performed according to the frequency specified in the individual General Permit Authorization. The permittee shall submit toxicity test results on appropriate forms.

i. Test reports shall be submitted to:
NJDEP
Mail Code 401-02B
Bureau of Surface Water Permitting
P.O. Box 420
Trenton, New Jersey 08625-0420

6. Toxicity Reduction Implementation Requirements (TRIR) (applicable only if a whole effluent toxicity limit is specified in Part III)

a. The permittee shall initiate a tiered toxicity investigation if two out of six consecutive WET tests demonstrate that the effluent does not comply or will not comply with the toxicity limit or action level specified in Part III of the individual authorization.

   i. If the exceedence of the toxicity limit or action level is directly caused by a documented facility upset, or other unusual event which has been identified and appropriately remedied by the permittee, the toxicity test data collected during the event may be eliminated when determining the need for initiating a TRIR upon written Department approval.

b. The permittee shall begin toxicity characterization within 30 days of the end of the monitoring period when the second toxicity test exceeds the toxicity limits or action level in Part III. The monitoring frequency for toxicity testing shall be increased to semi-monthly (i.e. every two months). Up to 12 additional tests may be required.

   i. The permittee may return to the toxicity testing frequency specified in Part III if four consecutive toxicity tests conducted during the Toxicity Characterization do not exceed the toxicity limit or action level.

   ii. If two out of any six consecutive, acceptable tests again exceed the toxicity limit or action level in Part III, the permittee shall repeat Toxicity Reduction Implementation Requirements.

c. The permittee shall initiate a preliminary toxicity identification (PTI) upon the fourth exceedence of the toxicity limit or action level specified in Part III during toxicity characterization.

   i. The permittee may return to the monitoring frequency specified in PART III while conducting the PTI. If more frequent WET testing is performed during the PTI, the permittee shall submit all biomonitoring reports to the DEP and report the results for the most sensitive species on the DMR.

   ii. As appropriate, the PTI shall include:
   (1) treatment plant performance evaluation,
   (2) evaluation of chemical use and processes at the facility, and
   (3) an evaluation of incidental facility procedures and chemical spill disposal which may contribute to effluent toxicity.

   iii. The permittee shall submit a Preliminary Toxicity Identification Notification within 15 months of triggering TRIR. This notification shall include a determination that the permittee intends to demonstrate compliance OR plans to initiate a CTI.

d. The permittee must demonstrate compliance with the WET limitation or action level in four consecutive WET tests to satisfy the requirements of the Toxicity Reduction Investigation Requirements. After successful completion, the permittee may return to the WET monitoring frequency specified in PART III.

e. The permittee shall initiate a Comprehensive Toxicity Investigation (CTI) if the PTI does not identify the cause of toxicity and a demonstration of consistent compliance with the toxicity limit or action level in Part III can not be made.

   i. The permittee shall develop a project study plan identifying the party or parties responsible for conducting the comprehensive evaluation, establish a schedule for completing the study, and a description of the technical approach to be utilized.

ii. If the permittee determines that the PTI has failed to demonstrate consistent compliance with the toxicity limit or action level in Part III , a Comprehensive Toxicity Investigation Workplan must be prepared and submitted within 90 days.

iii. The permittee shall summarize the data collected and the actions taken in CTI Quarterly Reports. The reports shall be submitted within 30 calendar days after the end of each quarter.

iv. The permittee shall submit a Final CTI Report 90 calendar days after the last quarterly report. The final CTI report shall include the corrective actions identified to reduce toxicity and a schedule for implementing these corrective actions.

f. Upon receipt of written approval from the Department of the corrective action schedule, the permittee shall implement those corrective actions consistent with that schedule.

i. The permittee shall satisfy the requirements of the Toxicity Reduction Implementation Requirements and return to the original toxicity monitoring frequency after corrective actions are implemented and the permittee demonstrates consistent compliance with the toxicity limit or action level in Part III in four consecutive toxicity tests.

ii. If the implemented corrective measures do not result in consistent compliance with the toxicity limit or action level in Part III, the permitee shall submit a plan for resuming the CTI.

F. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

1. There are no pretreatment program requirements for this facility.

G. CONDITIONS FOR MODIFICATION

1. Notification Requirements

a. For new discharges, the permittee shall notify the Department that a tag to mark the location of the outfall pipe has been installed consistent with N.J.A.C. 7:14A-6.2(a)9.

2. Causes for modification

a. The Department may modify or revoke and reissue any permit to incorporate 1) any applicable effluent standard or any effluent limitation, including any effluent standards or effluent limitations to control the discharge of toxic pollutants or pollutant parameters such as acute or chronic whole effluent toxicity and chemical specific toxic parameters, 2) toxicity reduction requirements, or 3) the implementation of a TMDL or watershed management plan adopted in accordance with N.J.A.C. 7:15-7.

b. The Department may modify individual authorizations under this permit through a minor modification in accordance with N.J.A.C. 7:14A-16.5(a)1 to reduce the WET monitoring sample frequency. The criteria for such reduction is a minimum of 4 consecutive data points with a result of >100. The Department may also consider site-specific characteristics such as discharge volume, location and wastewater constituents.

c. The Department may modify individual authorizations under this permit through a minor modification in accordance with N.J.A.C. 7:14A-16.5(a)1 to reduce toxics monitoring frequencies.

d. For discharges where a new chronic whole effluent toxicity limit is imposed: The Department may issue a minor modifictation further deferring the effective date of the chronic whole effluent toxicity limitation if a facility is implementing the Toxicity Reduction Implementation Requirements (TRIR) in Part IV of this permit.

3. Removal or Modification of Final WQBELs or Criteria End-of-Pipe Effluent Limitations for Chemical Specific Toxic Pollutants

a. The Department will consider proposing to remove or modify a toxic pollutant's newly imposed final effluent limitation from the permit if any or all of the information in item "b" below is submitted for Departmental review and consideration.

b. Items that will be considered include, but are not limited to:

i. Submission of additional effluent data.

ii. Acceptable site-specific ambient data (e.g. hardness, pollutant specific data) collected in accordance with a NJDEP approved work plan.

iii. Acceptable site-specific translator values to enable assessment of a dissolved metal versus a total metal ratio. A Water Effects Ratio (WER) study can also be conducted for copper. Guidance regarding a Water Effects Ratio study can be obtained at http://water.epa.gov/scitech/swguidance/standards/criteria/aqlife/pollutants/copper/upload/copper Assessment of site-specific translators or a WER shall be developed in accordance with a NJDEP approved work plan.

iv. Acceptable site-specific criteria developed in accordance with a NJDEP approved work plan.

v. Updated 1Q10, 7Q10, 75th percentile, and/or other appropriate stream flow values where applicable.

c. All studies require a NJDEP approved workplan that shall be submitted to the Department for approval prior to commencement of any work.

i. It is recommended that all ambient monitoring associated with the establishment of hardness values, pollutant concentrations, site-specific translator values and/or a WER study be conducted under the confines of a single work plan.

d. The Department will review all submitted information and will either propose a permit action to remove/modify the final effluent limitation(s) or deny the modification request.

H. CUSTOM REQUIREMENTS

1. Best Management Practices (BMPs) for Cleaning Products and Hazardous Wastes

a. Best Management Practices (BMP) shall be followed to control or abate the discharge of toxic pollutants that may result from the use of cleaning products or hazardous substances. Specifically, cleaning agents, paints, and chemistry laboratory chemicals should be used as directed on the product labels and excess product should be disposed of properly as a household hazardous waste based on township and/or county requirements. The permittee is encouraged to develop and implement a BMP Plan based on the schools operations. This BMP Plan is intended to ensure that toxic pollutants are not put into the sanitary wastewater collection system through sinks and floor drains; passed through the treatment system, and ultimately discharged to the receiving waterbody at the surface water outfall.

2. Chlorine Produced Oxidants (CPO)

a. Effluent shall not exceed a daily maximum concentration of 0.1 mg/L for CPO at all times. This requirement also applies to facilities that use UV disinfection even though a routine reporting requirement for CPO is not specified.

3. Delaware River Basin Commission Requirements – applicable to NJG0020419, NJG0020711, NJG0022101, NJG0023001, NJG0027049, NJG027065, NJG0028894, NJG0031046 only

a. The permittee shall comply with the Delaware River Basin Commission (DRBC) Water Quality Regulations.

b. Prior to the permittee initiating any substantial alterations or additions to the existing WWTP as defined in Section 3.10.3A2.a.16) of the Delaware River Basin Commission's Water Quality Regulations (18CFR Part 410), a No Measureable Change to Existing Water Quality Analysis must be conducted by the Delaware River Basin Commission. The No Measureable Change to Existing Water Quality Analysis shall be conducted prior to final design to ensure that the Commission can provide the permittee with proposed effluent limitations to be included in a future NJPDES permit for Special Protection Waters specific parameters as guidance for treatment design purposes. The permittee is encouraged to contact DRBC staff during the planning stages of any project that meets the definition of substantial alteration or additions, as per DRBC.

c. Except as otherwise authorized by this permit, if the permittee seeks relief from any limitation based upon a Delaware River Basin Commission water quality standard or minimum treatment requirement, the permittee shall apply for approval from the Delaware River Basin Commission Executive Director and NJDEP for a permit revision.

d. The permittee may conduct a study to determine if specific conductance may be substituted for TDS in the permit. The study should include effluent specific data to be used to determine a correlation between TDS and specific conductance. Upon review, the Delaware River Basin Commission will determine if the permit may be modified to allow the substitution of specific conductivity for TDS monitoring. The TDS limit would then be supplanted by a specific conductance limit in the permit.

e. Based upon the written recommendation of the DRBC staff, when the discharge is operated in accordance with the provisions and conditions established by this permit, then with respect to effluent quality and stream quality objectives, the project does not substantially impair or conflict with the Commission's Comprehensive Plan.

APPENDIX A:

CHRONIC TOXICITY TESTING SPECIFICATIONS

FOR USE IN THE NJPDES PERMIT PROGRAM

Version 2.1

May 1997

(only applicable if a chronic whole effluent toxicity requirement is specified in Part III)

TABLE OF CONTENTS

Notice: Mention of trade names or commercial products do not constitute endorsement or recommendation for use.

I. AUTHORITY AND PURPOSE

These methods specifications for the conduct of whole effluent chronic toxicity testing are established under the authority of the NJPDES permitting program, N.J.A.C. 7:14A-6.5(a)2 and 40 CFR 136, for discharges to waters of the State. The methods referenced herein are included by reference in 40 CFR 136, Table 1.A. and, therefore, constitute approved methods for chronic toxicity testing. The information contained herein serves to clarify testing requirements not sufficiently clarified in those methods documents and also serves to outline and implement the interlaboratory Standard Reference Toxicant Program until a formal laboratory certification program is established under N.J.A.C. 7:18. As such these methods are intended to be used to determine compliance with discharge permits issued under the authority of the NJPDES permit program. Tests are to be conducted in accordance with the general conditions and test organism specific method specifications contained in this document. All other conditions and specifications can be found in 40 CFR 136 and USEPA methodologies.

Until a subchapter on chronic toxicity testing within the regulations governing the certification of laboratories and environmental measurements (N.J.A.C. 7:18) becomes effective, tests shall be conducted in conformance with the methodologies as designated herein and contained in 40 CFR 136. The laboratory performing the testing shall be within the existing acute toxicity testing laboratory certification program established under N.J.A.C. 7:18, as required by N.J.A.C. 7:9B-1.5(c)5.

Testing shall be in conformance with the subchapter on chronic toxicity testing within the N.J.A.C. 7:18 when such regulations become effective. The laboratory performing the toxicity testing shall be within the chronic toxicity testing laboratory certification program to be established under that subchapter, when it becomes effective.

These methods are incorporated into discharge permits as enforceable permit conditions. Each discharge permit will specify in Part IV of the permit, the test species specific methods from this document that will be required under the terms of the discharge permit. Although the test species specific methods for each permit are determined on a case-by-case basis, the purpose of this methods document is to assure consistency among dischargers and to provide certified laboratories with information on the universe of tests to be utilized so that they can make the necessary preparations, including completing the required Standard Reference Toxicant testing. Please note that these methodologies are required for compliance testing only. Facilities and/or laboratories conducting testing under the requirements of a Toxicity Identification Evaluation or for informational purposes are not bound by these methods.

This document constitutes the second version of the NJDEP's interim chronic methodologies. This version contains no significant changes to the test methods themselves. However, in keeping with the Department's continued emphasis on good laboratory practices and quality control, the areas addressing the Standard Reference Toxicant Program, data analysis and data reporting, have been significantly revised.

II. GENERAL CONDITIONS

A. LABORATORY SAFETY, GLASSWARE, ETC.

All safety procedures, glassware cleaning procedures, etc., shall be in conformance with 40 CFR 136 and USEPA's "Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms," "Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms" and N.J.A.C. 7:18.

B. TEST CONCENTRATIONS / REPLICATES

All testing is to be performed with a minimum of five effluent concentrations plus a dilution water control. A second reference water control is optional when a dilution water other than culture water is used. The use of both a 0.5 or 0.75 dilution factor is acceptable for the selection of test concentrations. If hypothesis testing will be used to determine the test endpoint, one effluent concentration shall be the chronic permit limitation, unless the existing data for the discharge indicate that the NOEC is expected to be significantly less than the permit limit. The use of the 0.5 dilution factor may require more than five dilutions to cover the entire range of effluent concentrations as well as the chronic permit limit, since the permit limit will often not be one of the nominal concentrations in a 0.5 dilution series. In such an instance, the 0.5 dilution series may be altered by including an additional test concentration equal to the permit limit in the dilution series, or by changing the concentration closest to the permit toxicity limit to be equal to that limit. The Department recommends the use of the 0.75 dilution factor using Table 1.0 to determine test concentrations. That table establishes test concentrations based on the chronic toxicity limitation.

For either the 0.5 or 0.75 dilution factor, there shall be at least one test concentration above the permit limitation and at least three test concentrations below the permit limit along with the dilution water control unless the permit limitation prohibits such (e.g., limitations greater than 75% effluent). An effort shall be made to bracket the anticipated test result.

To use Table 1.0, locate the permit limit in column 4. The dilution series becomes the row that corresponds to the permit limit in column 4. For example, a permit limit of 41 would require a dilution series of the dilution water control, 17%, 23%, 31%, 41% and 55% effluent.

The number of replicates used in the test must, at a minimum, satisfy the specifications of the applicable methods contained herein. Increased data sensitivity can be obtained by increasing the number of replicates equally among test concentrations and thus an increased number of replicates is acceptable. Further, the use of nonparametric statistical analysis requires a minimum of four replicates per test concentration. If the data for any particular test is not conducive to parametric analyses and if less than four replicates were included, the test may not be considered acceptable for compliance purposes.

The use of single concentration tests consisting of the permit limitation as a concentration and a control is not permitted for compliance purposes, but may be used by a permittee in the conduct of a Toxicity Investigation Evaluation (TIE) or for information gathering purposes. Such a test would be considered a "pass" if there was no significant difference in test results, using hypothesis testing methods.

Table 1.0: 0.75 DILUTION SERIES INDEXED BY PERMIT LIMIT

				Permit Limit						Permit Limit	
Col #	1	2	3	4	5	**Col #**	1	2	3	4	5
	0.4	0.6	0.8	1	1.3		22	29	38	51	68
	0.8	1.1	1.5	2	2.7		22	29	39	52	69
	1.3	1.7	2.3	3	4		22	30	40	53	71
	1.7	2.3	3	4	5.3		23	30	41	54	72
	2.1	2.8	3.8	5	6.7		23	31	41	55	73
	2.5	3.4	4.5	6	8		24	32	42	56	75
	3	4	5	7	9		24	32	43	57	76
	3	5	6	8	11		24	33	44	58	77
	4	5	7	9	12		25	33	44	59	79
	4	6	8	10	13		25	34	45	60	80
	5	6	8	11	15		26	34	46	61	81
	5	7	9	12	16		26	35	47	62	83
	5	7	10	13	17		27	35	47	63	84
	6	8	11	14	19		27	36	48	64	85
	6	8	11	15	20		27	37	49	65	87
	7	9	12	16	21		28	37	50	66	88
	7	10	13	17	23		28	38	50	67	89
	8	10	14	18	24		29	38	51	68	91
	8	11	14	19	25		29	39	52	69	92
	8	11	15	20	27		30	39	53	70	93
	9	12	16	21	28		30	40	53	71	95
	9	12	17	22	29		30	41	54	72	96
	10	13	17	23	31		31	41	55	73	97
	10	14	18	24	32		31	42	56	74	99
	11	14	19	25	33		32	42	56	75	100
	11	15	20	26	35	24	32	43	57	76	
	11	15	20	27	36	24	32	43	58	77	
	12	16	21	28	37	25	33	44	59	78	
	12	16	22	29	39	25	33	44	59	79	
	13	17	23	30	40	25	34	45	60	80	
	13	17	23	31	41	26	34	46	61	81	
	14	18	24	32	43	26	35	46	62	82	
	14	19	25	33	44	26	35	47	62	83	
	14	19	26	34	45	27	35	47	63	84	
	15	20	26	35	47	27	36	48	64	85	
	15	20	27	36	48	27	36	48	65	86	
	16	21	28	37	49	28	37	49	65	87	
	16	21	29	38	51	28	37	50	66	88	
	16	22	29	39	52	28	38	50	67	89	
	17	23	30	40	53	28	38	51	68	90	
	17	23	31	41	55	29	38	51	68	91	
	18	24	32	42	56	29	39	52	69	92	
	18	24	32	43	57	29	39	52	70	93	
	19	25	33	44	59	30	40	53	71	94	
	19	25	34	45	60	30	40	53	71	95	
	19	26	35	46	61	30	41	54	72	96	
	20	26	35	47	63	31	41	55	73	97	
	20	27	36	48	64	31	41	55	74	98	
	21	28	37	49	65	31	42	56	74	99	
	21	28	38	50	67	32	42	56	75	100	

* Select the dilution series by finding the row which contains the permit limit in column #4.
NOTE: All values are in units of "% effluent" not toxic units.

C. DILUTION WATER

1. Marine and Estuarine Waters

A high quality natural water, such as the Manasquan River Inlet is strongly recommended as the dilution water source for chronic toxicity testing with marine and estuarine organisms. The use of the receiving water as the dilution water source is not required. Saline waters prepared with hypersaline brine and deionized water may also be used as dilution water. Hypersaline brines shall be prepared from a high quality natural seawater and shall not exceed a concentration of 100 ppt. The type of a dilution water for a permittee may not be changed without the prior approval of the Department.

The standard test salinity shall be 25 ppt, except for *Champia parvula*, which shall be tested at 30 ppt. Since most effluents are freshwater based, in most cases it will be necessary to adjust the salinity of the test concentrations to the standard test salinity.

2. Fresh Waters

A high quality natural water, such as Round Valley Reservoir (if access is allowed) or Lake Hopatcong, is strongly recommended as the dilution water source for chronic toxicity testing with freshwater organisms. It is not required to perform the toxicity testing with the receiving water as dilution water. Tests performed with a reconstituted water or up to 20% Diluted Mineral Water (DMW) as dilution water is acceptable. For testing with *Ceriodaphnia dubia*, the addition of 5 µg/l selenium (2 µg/l selenium with natural water) and 1 µg/l vitamin B12 is recommended (Keating and Dagbusan, 1984: Keating, 1985 and 1988). The source of a dilution water for a permittee may not be changed without the prior approval of the Department. Reconstituted water and DMW should be prepared with Millipore Super Q^{R} or equivalent, meet the requirements of N.J.A.C. 7:18-6 and should be aerated a minimum of 24 hrs prior to use, but not supersaturated.

D. EFFLUENT SAMPLE COLLECTION

Effluent samples shall be representative of the discharge being regulated. For each discharge serial number (DSN), the effluent sampling location shall be the same as that specified in the NJPDES permit for other sampling parameters unless an alternate sampling point is specified in the NJPDES discharge permit. For industrial dischargers with a combined process/sanitary waste stream, effluent sampling shall be after chlorination, unless otherwise designated in the permit.

For continuous discharges, effluent sampling shall consist of 24 hour composite samples consisting either of equal volumes taken once every hour or of a flow-proportionate composite sample, unless otherwise approved by the Department. At a minimum, three samples shall be collected as specified above, one every other day. The first sample shall be used for test initiation and the first renewal. The second sample for the next two renewals. The third sample shall be used for the final three renewals. For the *Champia* and *Selenastrum* tests, a single sample shall be collected not more than 24 hours prior to test initiation. No effluent sample shall be over 72 hours old at the time of its use to initiate or renew solutions in a test. It is acceptable to collect samples more frequently for chronic WET testing and if samples are collected daily for acute toxicity testing conducted concurrently, available samples may be used to renew the test solutions as appropriate.

For all other types of discharges, effluent sampling shall be conducted according to specifications contained within the discharge permit, methodology questionnaire or as otherwise specified by the Department. The use of grab samples or other special sampling procedures will be based on time of occurrence and duration of intermittent discharge events.

If a municipal discharger has concerns that the concentrations of ammonia and/or chlorine in an effluent are adequate to cause violations of the permit limit for chronic toxicity testing, the permittee should conduct analyses, as specified in USEPA's toxicity investigation methods documents, to illustrate the relationship between chronic effluent toxicity and chlorine and/or ammonia as applicable. This data may then be submitted

to the Department as justification for a request to use modified test procedures, which account for ammonia and/or chlorine toxicity, in future chronic toxicity tests. The Department may, where adequate justification exists, permit the adjustment of these pollutants in the effluent sample if discharge limits for these pollutants are contained in the NJPDES permit and those permit limitations are adequate for the protection of water quality. Any proposed modified test procedures to adjust effluent chlorine and/or ammonia shall be approved by the Department prior to use of those test procedures for any compliance testing.

Except for filtration through a 2 mm or larger screen or an adjustment to the standard test salinity, no other adjustments to the effluent sample shall be made without prior written approval by the Department. Aeration of samples prior to test start shall be minimized where possible and samples shall not be aerated where adequate saturation exists to maintain dissolved oxygen.

E. PHYSICAL CHEMICAL MEASUREMENTS

At a minimum, the physical chemical measurements shall be as follows:

- pH and dissolved oxygen shall be measured at the beginning and end of each 24 hour exposure period, in at least one chamber, of the high, medium and low test concentrations and the control. In order to ensure that measurements for these parameters are representative of the test concentrations during the test, measurements for these parameters should be taken in an additional replicate chamber for such concentrations which contains no test organisms, but is subject to the same test conditions.

- Temperature shall either be monitored continuously, measured daily in at least two locations in the environmental control system, or measured at the beginning of each 24 hr exposure period in at least one replicate for each treatment.

- Salinity shall be measured in all salt water tests at the beginning of each 24 hour exposure period, in at least one replicate for each treatment.

- For all freshwater tests, alkalinity, hardness and conductivity shall be measured in each new sample (100% effluent) and control.

- Nitrite, nitrate and ammonia shall be measured in the control before each renewal in the mysid test only.

- For samples of discharges where concentrations of ammonia and/or chlorine are known or are suspected to be sufficient to cause toxicity, it is recommended that the concentrations of these pollutants be determined and submitted with the standardized report form. The laboratory is advised to consult with the permittee to determine if these parameters should be measured in the effluent. Where such measurements are deemed appropriate, measurements shall be conducted at the beginning of each 24 hour exposure period. Also, since a rise in the test pH can affect the toxicity of ammonia in the effluent, analysis of ammonia during the test may be appropriate if a rise in pH is accompanied by a significant increase in mortality.

F. STATISTICS

The use of both hypothesis testing techniques and point estimate techniques are currently in use by the Department or by permittees for compliance purposes. The NJPDES permit should be checked to determine which type of analysis is required and appropriate for each specific facility. It is not acceptable to simply evaluate any data by "visual data review" unless in the analysis of survival data, no mortality occurred in the test. All data sets must be appropriately statistically evaluated.

For hypothesis testing techniques, statistical analysis shall follow the protocols in USEPA (1988, 1989) to evaluate adverse effects. A significance level of 0.05 shall be utilized to evaluate such effects. Use of a protocol not contained in these documents must be accompanied by a reference and explanation addressing its

applicability to the particular data set. Please note the following when evaluating data using hypothesis testing techniques.

Special attention should be given to the omission and inclusion of a given replicate in the analysis of mysid fecundity data (USEPA 1994, p. 275) and *Ceriodaphnia* reproduction data (USEPA 1994, page 174).

Determination of acceptability criteria and average individual dry weight for the growth endpoints must follow the specifications in the applicable documents (e.g., p.84 for saltwater methods document.)

Use of nonparametric statistical analyses requires a minimum of four replicates per test concentration. If the data for any particular test are not conducive to parametric analyses and if less than four replicates were included, the test may not be acceptable to the Department.

Where hypothesis testing is used for compliance purposes, if the results of hypothesis testing indicate that a deviation from the dose response occurs such that two test concentrations are deemed statistically significant from the control but an intermediate test concentration is not, the test is deemed unacceptable and cannot be used for compliance testing purposes.

For point estimate techniques, statistical analysis should follow the protocol contained in "A Linear Interpolation Method for Sublethal Toxicity: The Inhibition Concentration (ICp) Approach (Version 2.0), July 1993, National Effluent Toxicity Assessment Center Technical Report 03-93." Copies of the program can be obtained by contacting the Department. The linear interpolation estimate ICp values and not the bootstrap mean ICp, shall be reported for permit compliance purposes. The ICp value reported on the Discharge Monitoring Report shall be rounded off as specified in the Department's "Discharge Monitoring Report (DMR) Instruction Manual, December 1993." IC25 values shall be reported under the parameter code listed as "NOEC" on the DMR, until the DMR's are adjusted accordingly.

If the result reported by the ICp method is greater than the highest concentration tested, the test result is reported as "greater than C" where "C" is the highest tested concentration. If the ICp is lower than the lowest concentration tested, the test result is reported as "less than C" where "C" is the lowest tested concentration.

If separate NOEC's/IC25's can be calculated from multiple test endpoints, for example a reproductive endpoint and a growth endpoint, the lowest NOEC/IC25 value expressed in units of "% effluent" will be used to determine permit compliance and should, therefore, be reported as the NOEC/IC25 value for the test. If the NOEC value for growth and/or reproduction is not lower than that for survival, the NOEC/IC25 value reported for the test shall be as survival. For saltwater tests, where additional controls are used in a test (i.e. brine and/or artificial sea salt control), a T-test shall be used to determine if there is a significant difference between the original test control and the additional controls. If there is a significant difference between any of the controls, the test may be deemed unacceptable and if so, will not be used for permit compliance.

III. TEST ACCEPTABILITY CRITERIA

Any test that does not meet these acceptability criteria will not be used by the Department for any purpose and must be repeated as soon as practicable, with a freshly collected sample.

1. Tests must be performed by a laboratory approved for the conduct of chronic toxicity tests and certified for acute toxicity testing under N.J.A.C. 7:18.

2. Test results may be rejected due to inappropriate sampling, including the use of less than three effluent samples in a test and/or use of procedures not specified in a permit or methodology questionnaire, use of frozen or unrefrigerated samples or unapproved pretreatment of an effluent sample.

3. Controls shall meet the applicable performance criteria specified in the Table 2.0 and in the individual method specifications contained herein.

4. Acceptable and applicable Standard Reference Toxicant Data must be available for the test.

5. No unapproved deviations from the applicable test methodology may be present.

6. When using hypothesis testing techniques, a deviation from the dose response as explained in the statistical portion of this document shall not be present in the data.

Table 2.0: CONTROL PERFORMANCE

TEST ORGANISM	MINIMUM SURVIVAL	MINIMUM WEIGHT GAIN	MINIMUM FECUNDITY/ REPRODUCTION
Pimephales promelas	80%	0.25 mg avg	N/A
Ceriodaphnia dubia	80%	N/A	Average of $\geq$15 young per surviving female
Selenastrum capricornutum	Density $\geq 2x10^5$cells/ml	N/A	Variability in controls not to exceed 20%.
Cyprinodon variegatus	80%	0.60 mg (unpreserved) avg 0.50 mg (preserved) avg	N/A
Menidia beryllina	80%	0.50 mg (unpreserved) avg 0.43 mg (preserved) avg	N/A
Mysidopsis bahia	80%	0.2 mg per mysid avg	egg production by 50% of control females if fecundity is used as an endpoint.
Champia parvula	100%	N/A	$\geq$10 cystocarps per plant Plants in controls and lower test concentrations shall not fragment so that individual plants cannot be identified.

THE DETERMINATION OF A TEST AS UNACCEPTABLE DOES NOT RELIEVE THE FACILITY FROM MONITORING FOR THAT MONITORING PERIOD

IV. STANDARD REFERENCE TOXICANT TESTING

All chronic testing shall be accompanied by testing with a Standard Reference Toxicant (SRT) as a part of each laboratory's internal quality control program. Such a testing program should be consistent with the quality assurance/quality control protocols described in the USEPA chronic testing manuals. Laboratories may utilize the reference toxicant of their choice and toxicants such as cadmium chloride, potassium chloride, sodium dodecyl sulfate and copper sulfate are all acceptable. However, Potassium chloride has been chosen by several laboratories and is recommended by the Department. The concentration of the reference toxicant shall be verified by chemical analysis in the low and high test concentrations once each year or every 12 tests, whichever is less. It is not necessary to run SRT tests, for all species using the same SRT.

A. INITIAL STANDARD REFERENCE TOXICANT (SRT) TESTING REQUIREMENTS

At a minimum, this testing shall include an initial series of at least five SRT tests for each test species method. Acceptable SRT testing for chronic toxicity shall be performed utilizing the short term chronic toxicity test methods as specified herein. Reference toxicant tests utilizing acute toxicity testing methods, or any method other than those contained in this document are not acceptable. The laboratory should forward results of the initial SRT testing, including control charts, the name of the reference toxicant utilized, the supplier and appropriate chemical analysis of the toxicant to either address listed in the reporting requirements section herein. The initial series of a least five SRT tests for a specific test species method shall be completed and approved in writing by the Department prior to the conduct of any chronic toxicity testing for compliance purposes.

B. SUBSEQUENT SRT TESTING REQUIREMENTS

After receiving the initial approval from the Department to conduct chronic toxicity tests for compliance purposes, subsequent SRT testing shall be conducted as follows:

1. Where organisms used in testing are cultured at the testing laboratory, SRT testing should be conducted once per month for each species/method.

2. Where the laboratory purchases organisms from a laboratory certified in New Jersey for the conduct of acute toxicity testing and approved for the conduct of chronic toxicity testing for the test organism in question (i.e. the "supplier laboratory"), SRT data provided by the "supplier laboratory" for each lot of organisms purchased is acceptable as long as the SRT test result falls within the control limits of the control chart established by the "supplier laboratory" for that organism. The laboratory using purchased organisms is responsible for the results of any compliance tests they perform.

3. A testing laboratory purchasing organisms from a supplier laboratory must still perform SRT testing on a quarterly basis at a minimum, for each species they test with, in order to adequately document their own interlaboratory precision.

4. If a testing laboratory purchasing organisms elects not to use the SRT data from a "supplier laboratory" or such data is unavailable or where organisms are purchased from another organism supplier, the testing laboratory must conduct SRT testing on each lot of organisms purchased.

5. For industrial laboratories certified under N.J.A.C. 7:18 to conduct acute toxicity tests, only the SRT testing conditions specified in 2. through 4. above apply. Where that laboratory/facility cultures their own test organisms, the frequency of SRT testing required will be determined on a case by case basis, based on the frequency of testing for that facility.

NOTE: Based on these requirements, SRT data are considered applicable to a compliance test when the SRT test results are acceptable and the SRT test is conducted within 30 days of the compliance test, for the test species and SRT in question. Therefore, it is not necessary for an approved laboratory to run an SRT test every month if the laboratory is not conducting compliance tests for a particular species.

C. CHANGING OF AN ESTABLISHED REFERENCE TOXICANT

The SRT used for any species by a laboratory may be changed at any time provided that the following conditions have been satisfied:

1. A series of at least three reference toxicant tests are conducted with the new reference toxicant and the results of those tests are identified as satisfactory, in writing, by the Department.

2. Laboratories must continue using the already approved SRT in their ongoing QA/QC program, until such time as the letter referenced above, is received by the laboratory.

D. CONTROL CHARTS

Control charts shall be established from SRT test results in accordance with the procedures outlined in the USEPA methods documents. Control charts shall be constructed using IC25's using the following methods:

1. The upper and lower control limits shall be calculated by determining +/- two standard deviations above and below the mean.

2. SRT test results which exhibit an IC25 that is greater than the highest concentration tested or less than the lowest concentration tested (i.e. a definitive endpoint cannot be determined), shall not be used to establish control charts.

3. SRT tests which do not meet the acceptability criteria for a specific species shall not be used to establish control charts.

4. All values used in the control charts should be as nominal concentrations. However, the control charts shall be accompanied by a chart tabulating the test results as measured concentrations.

5. An outlier (i.e. values which fall outside the upper and lower control limits) should be included on the control chart unless it is determined that the outlier was caused by factors not directly related to the test organisms (e.g., test concentration preparation) as the source of variability would not be directly applicable to effluent tests. In such case, the result and explanation shall be reported to the Department within 30 days of the completion of the SRT test.

The control chart established for the initial series of SRT data submitted will be used by the laboratory and the Department to determine outliers from SRT test results reported in the "NJPDES Biomonitoring Report Form - Chronic Toxicity Test" submitted by the permittees for the test species. These initial control limits will remain unchanged until twenty SRT tests have been completed by the laboratory.

The following procedures shall be used for continually updating control charts after twenty acceptable SRT tests have been completed:

1. Once a laboratory has completed twenty acceptable SRT tests for a test species, the upper and lower control limits shall be recalculated with those twenty values.

2. For each successive SRT test conducted after these first twenty tests, a moving average shall be calculated and the control limits reevaluated using the last twenty consecutive test results.

3. The upper and lower control limits shall be reported on the "NJPDES Biomonitoring Report Form - Chronic Toxicity Tests" along with the SRT test result.

E. UNACCEPTABLE SRT TEST RESULTS

If a laboratory produces any SRT test results which are outside the established upper and lower control limits for a test species at a frequency greater than one test in any ten tests, a report shall be forwarded to the Department at the address contained herein. This report shall include any identified problem which caused the values to fall outside the expected range and the corresponding actions that have been taken by the laboratory. The Department may not accept or may require repeat testing for any toxicity testing that may have been affected by such an occurrence.

If a laboratory produces two consecutive SRT test results or three out of any ten test results which are outside the established upper and lower limits for a specific test species, the laboratory shall be unapproved to conduct chronic toxicity tests for compliance purposes for that test species. Reapproval shall be contingent upon the laboratory producing SRT test results within the established upper and lower control limits for that test species in two consecutive SRT tests. If one or both of those test results again fall outside the established control levels, the laboratory is unapproved for that test species until five consecutive test results within the established upper and lower control limits are submitted and approved by the Department.

F. ANNUAL SUBMITTALS

Control charts shall be forwarded to the Department on an annual basis, on the anniversary of approval for the test species.

The Department may request, at any time, any information which is essential in the evaluation of SRT results and/or compliance data.

V. TEST CANCELLATION / RESCHEDULING EVENTS

A lab may become aware of QA problems during or immediately following a test that will prevent data from being submitted or a lab may be unable to complete a tests due to sample collection or shipping problems. If for any reason a chronic toxicity test is initiated and then prematurely ended by the laboratory or at the request of the permittee, the laboratory shall submit the form entitled "Chronic Whole Effluent Toxicity Testing Test Cancellation / Rescheduling Event Form" contained herein. This form shall be used to detail the reason for prematurely ending the test. This completed form and any applicable raw data sheets shall be submitted to the appropriate biomonitoring program at the address above within 30 days of the cessation of the test.

Tests are considered to be initiated once test organisms have been added to all test chambers.

Submission of this form does not relieve the facility from monitoring for that monitoring period.

VI. REPORTING

The report form entitled "NJPDES Biomonitoring Report Form - Chronic Toxicity Tests" should be used to report the results of all NJPDES chronic compliance biomonitoring tests. Laboratory facsimiles are acceptable but must contain all information included on any recent revisions of the form by the Department. Statistical printouts and raw data sheets for all endpoints analyzed shall be included with the report submitted to the Department. One copy of the chronic toxicity test report form shall be submitted to the following address as applicable:

New Jersey Department of Environmental Protection
Bureau of Surface Water Permitting
Division of Water Quality
401 East State Street
Mail Code 401-02B
Trenton, NJ 08625-420

It is not necessary to attach a copy of a test report form to the Discharge Monitoring Report (DMR) form when submitting this form to the Department. However, the results of all chronic toxicity tests conducted for compliance purposes must be reported on the DMR form under the appropriate parameter code in the monitoring period in which the test was conducted.

VII. METHOD SPECIFICATIONS

The following method specifications shall be followed as specified in the NJPDES permit. Any changes to these methods will not be considered acceptable unless they are approved in writing by the Department, prior to their use.

A. Fathead Minnow (*Pimephales promelas*), Larval Survival and Growth Test, method 1000.0
B. *Ceriodaphnia dubia*, Survival and Reproduction Test, method 1002.0
C. Algal, (*Selenastrum capricornutum*), Growth Test, method 1003.0
D. Sheepshead Minnow (*Cyprinodon variegatus*), Larval Survival and Growth Test, method 1005.0
E. Inland Silverside (*Menidia beryllina*), Larval Survival and Growth Test, method 1006.0
F. *Mysidopsis bahia*, Survival, Growth, and Fecundity Test, method 1007.0
G. *Champia parvula*, Sexual Reproduction Test, method 1009.0

VIII. REFERENCES

1. Keating, K. 1985. The influence of Vitamin B12 deficiency on the reproduction of Daphnia pulex Leydig (Cladocera). J. Crustacean Biology 5:130-136.

2. Keating, K. 1988. N.J.D.E.P. Project C29589, Fiscal 1988 Third Quarter Summary Report. Producing Nutritionally Competent Daphnids for Use in Bioassay. 44p.

3. Keating, K., and B. Dagbusan. 1984. Effect of selenium deficiency on cuticle integrity in Cladocera (Crustacea). Proc. Natl. Acad. Sci. USA 81:3433-3437.

4. NJDEP, 1993. Discharge Monitoring Report (DMR) Instruction Manual.

5. USEPA. 1994. Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms. EPA-600/4-91-003. July 1994. Second Edition.

6. USEPA. 1994. Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms. EPA/600/4-91/002. July 1994. Third Edition.

New Jersey Department of Environmental Protection
Bureau of Surface Water Permitting
ATTN: BIOMONITORING PROGRAM
Division of Water Quality
401 East State Street
Mail Code 401-02B
Trenton, NJ 08625-420

CHRONIC WHOLE EFFLUENT TOXICITY TESTING
TEST CANCELLATION / RESCHEDULING EVENT FORM

THIS FORM IS TO BE COMPLETED AND SUBMITTED TO THE DEPARTMENT DIRECTLY BY THE LABORATORY CONDUCTING CHRONIC TOXICITY TESTS WHENEVER A CHRONIC TOXICITY TEST IS PREMATURELY ENDED FOR ANY REASON

NJPDES No.: _____

FACILITY NAME: _____

LOCATION: _____

CONTACT: _____ PHONE: _____

CANCELLATION EVENT:

LABORATORY NAME / NUMBER: _____

CONTACT: _____

TEST START DATE: _____/_____/_____ TEST END DATE: _____/_____/_____

REASON FOR CANCELLATION: _____

_____

_____

_____

_____

_____

EFFLUENT SAMPLING:

SAMPLING POINT / DESCRIPTION OF SAMPLING SITE: _____

_____

SAMPLING INITIATED: DATE: ____/____/____ TIME: _____

SAMPLING ENDED: DATE: ____/____/____ TIME: _____

NUMBER OF EFFLUENT SAMPLES COLLECTED: _____

SAMPLE TYPE (GRAB/COMPOSITE): _____

RECEIVED IN LAB BY/FROM: _____

_____

METHOD OF SHIPMENT: _____

(ALL APPLICABLE RAW DATA SHEETS MUST BE ATTACHED)

c: Permittees authorized agent.