PSEG Nuclear LLC
P.O. Box 236, Hancocks Bridge, New Jersey 08038-0236

PSEG
Nuclear LLC

MAR 0 9 2005
LR-E05-0151

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7004 2510 0005 2135 8810

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

RECEIPT OF MODIFICATION TO NJPDES PERMIT NO. NJ0025411
HOPE CREEK GENERATING STATION
FACILITY OPERATING LICENSE NPF - 57
DOCKET NO. 50 - 354

In accordance with section 3.2 of the Hope Creek Environmental Protection Plan, we are providing you with a copy of a modification to the Hope Creek Generating Station, New Jersey Pollutant Discharge Elimination System Permit (NJPDES) No. NJ0025411.

Should you have any questions, please contact Mr. David Hurka at (856) 339-1275.

Sincerely,

James Eggers
Environmental Licensing Supervisor

Attachment

C001

C Mr. Samuel J Collins, Administrator - Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Mr. Dan Collins, Licensing Project Manager - HC
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Mail Stop 8B1
Rockville, MD 20852

USNRC Senior Resident Inspector - Hope Creek
Mail Code (X24)

Mr. K. Tosch, Manager, IV
Bureau of Nuclear Engineering
P.O. Box 415
Trenton, NJ 08625

BC: E. Keating (N33) w/o attachment
Records Management (N21)
NBS RM (N64)
File No. 2.1.1 (Hope Creek)

Richard J. Codey
Acting Governor

State of New Jersey
Department of Environmental Protection
Division of Water Quality
P.O. Box 029 Trenton, NJ 08625-0029
Phone: (609) 292-4860
Fax: (609) 984-7938

Bradley M. Campbell
Commissioner

Received
2/7/05

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

JAN 31 2005

Gabor Salaman, Manager – Nuclear Safety
PSEG Nuclear LLC
PO Box 236/N21, Alloway Creek Neck Road
Hancocks Bridge, NJ 08038

Re: Final Surface Water Major Mod Permit Action – Clarification of BOD_5 and TSS Minimum Percent Removal Limits
Category: B -Industrial Wastewater
NJPDES Permit No. NJ0025411
Hope Creek Generating Station
Lower Alloways Creek, Salem County

Dear Mr. Salaman:

The Department issued your **final** New Jersey Pollutant Discharge Elimination System (NJPDES) permit renewal on December 31, 2002. It has come to our attention that the BOD_5 and TSS minimum percent removal limits for DSN 462B need clarification. Specifically, the fact sheet references that the limits for BOD_5 and TSS percent removal are based on the existing permit issued on February 14, 1996 where that permit states the following:

> Effluent limitations and conditions for Percent Removal of BOD_5 are carried over from the existing permit in accordance with N.J.A.C. 7:14A-3.13(a)(12) i and the DRBC Docket Decision D-8-70. The monthly minimum limitation of 87.5% has been retained based on the DRBC Effluent Quality Requirements and DRBC Docket Decision D-87-70.

Similarly, the following is stated for TSS percent removal:

> Effluent limitations and conditions for Percent Removal of Total Suspended Solids (TSS) are carried over from the existing permit in accordance with N.J.A.C. 7:14A-3.13(a)(12) i and the DRBC Docket Decision D-8-70. The monthly minimum limitation of 85% has been imposed based on the DRBC Effluent Quality Requirements.

However, your December 31, 2002 permit specifies that the "Statistical Base" for BOD_5 and TSS percent removal is "Daily Minimum". This statistical base is incorrect and should state "Monthly Average Minimum" which is consistent with both your DRBC docket and the February 14, 1996 permit upon which those limits were originally based. **This permit modification serves to correct the statistical base for BOD_5 and TSS percent removal to "Monthly Average Minimum" at DSN 462B.**

This modification therefore affects pages 8 and 9 of Part III for DSN 462B where the corrected pages have been attached. Because this change is necessary to correct a technical error, the Department is making this change retroactive to March 1, 2003, which is the effective date of your permit renewal. All other terms and conditions of your existing permit remain unchanged.

Thank you for your continued cooperation. Questions or comments regarding the final action should be addressed to Susan Rosenwinkel at (609) 292-4860.

Sincerely,

Pilar Patterson, Chief
Bureau of Point Source Permitting Region 2

Enclosures
cc: Permit Distribution List

Masterfile #: 15647; PI #: 46815

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: NJ0025411

Final: Consolidated Minor Modification

Permittee:
PSEG NUCLEAR LLC
PO BOX 236/N21
ALLOWAY CREEK NECK RD
HANCOCKS BRIDGE, NJ 08038

Co-Permittee:

Property Owner:
PUBLIC SERVICE ELECTRIC AND GAS CO.
80 PARK PLAZA
PO BOX 570
NEWARK, NJ 07102

Location Of Activity:
HOPE CREEK GENERATING STATION
ARTIFICIAL ISLAND
FOOT OF BUTTONWOOD RD
LOWER ALLOWAYS CREEK, NJ 08038

Authorization(s) Covered Under This Approval	Issuance Date	Effective Date	Expiration Date
B – Industrial Wastewater RF - Stormwater	12/31/03	3/1/03	2/29/08

Authorization(s) Covered Under This Approval	Issuance Date	Effective Date	Expiration Date
Clarification of Permit Conditions	1/12/05	3/1/03	2/29/08

By Authority of:
Commissioner's Office

DEP AUTHORIZATION
Pilar Patterson
Bureau of Point Source Permitting – Region 2
Division of Water Quality

(Terms, conditions and provisions attached hereto)

PART III
LIMITS AND MONITORING REQUIREMENTS

MONITORED LOCATION GROUP: Stormwater Discharge

Monitored Location Group Members

463A Stormwater, 464A Stormwater, 465A Stormwater

MONITORED LOCATION:	RECEIVING LOCATION:	DISCHARGE CATEGORY(IES):
461A DSN 461A - dsw	Delaware River	B - Industrial Wastewater

Location Description

Samples shall be collected at a point after combination with all wastewater components and after dechlorination but prior to discharge to the Delaware River. DSN 461A is located at latitude 39 degrees, 28', 14" and long. 75 degrees 32' 34". DSN 461A discharges to Zone 5 of the Delaware River. The initial period is effective from the effective date of the permit (EDP) to EDP + 1 year whereas the final period becomes effective on EDP + 1 year. The permittee shall install a continuous sampler for CPO by EDP + 1 year.

Contributing Waste Types

Cooling tower blowdown, Other Type of Process H2O

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).

Comments:

All samples shall be taken at the sampling station identified at DSN 461A.

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

PHASE: Final **PHASE Start Date:** 03/01/2004 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	MGD	*****	*****	*****	*****	Continuous	Metered
January thru December	QL	***	***		***	***	***			
Flow, In Conduit or Thru Treatment Plant	Intake From Stream	REPORT Monthly Average	REPORT Daily Maximum	MGD	*****	*****	*****	*****	Continuous	Metered
January thru December	QL	***	***		***	***	***			
pH	Effluent Gross Value	*****	*****	*****	6.0 Daily Minimum	*****	9.0 Daily Maximum	SU	1/Week	Grab
January thru December	QL	***	***		***	***	***			
Chlorine Produced Oxidants	Effluent Gross Value	*****	*****	*****	*****	0.2 Monthly Average	0.5 Daily Maximum	MG/L	Continuous	Grab
January thru December	RQL	***	***		***	0.1	0.1			
Temperature, oC	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	36.2 Daily Maximum	DEG.C	Continuous	Metered
January thru December	QL	***	***		***	***	***			

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).

Comments:

All samples shall be taken at the sampling station identified at DSN 461A.

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

PHASE: Final **PHASE Start Date:** 03/01/2004 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Temperature, oC	Intake From Stream	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	DEG.C	Continuous	Metered
January thru December	QL	***	***		***	***	***			
Carbon, Tot Organic (TOC)	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Carbon, Tot Organic (TOC)	Effluent Net Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Calculated
January thru December	QL	***	***		***	***	***			
Carbon, Tot Organic (TOC)	Intake From Stream	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Heat (summer) (per Hr.)	Effluent Gross Value	REPORT Monthly Average	534 Daily Maximum	MBTU/HR	*****	*****	*****	*****	1/Day	Calculated
June thru August	QL	***	***		***	***	***			
Heat (winter) (per Hr.)	Effluent Gross Value	REPORT Monthly Average	662 Daily Maximum	MBTU/HR	*****	*****	*****	*****	1/Day	Calculated
September thru May	QL	***	***		***	***	***			

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).

Comments:

All samples shall be taken at the sampling station identified at DSN 461A.

Table III - B - 2: Surface Water DMR Limits and Monitoring Requirements

PHASE: Initial **PHASE Start Date:** 03/01/2003 **PHASE End Date:** 02/29/2004

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	MGD	*****	*****	*****	*****	Continuous	Metered
January thru December	QL	***	***		***	***	***			
pH	Effluent Gross Value	*****	*****	*****	6.0 Daily Minimum	*****	9.0 Daily Maximum	SU	1/Week	Grab
January thru December	QL	***	***		***	***	***			
Chlorine Produced Oxidants	Effluent Gross Value	*****	*****	*****	*****	0.2 Monthly Average	0.5 Daily Maximum	MG/L	3/Week	Grab
January thru December	RQL	***	***		***	0.1	0.1			
Temperature, oC	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	36.2 Daily Maximum	DEG.C	Continuous	Metered
January thru December	QL	***	***		***	***	***			
Temperature, oC	Intake From Stream	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	DEG.C	Continuous	Metered
January thru December	QL	***	***		***	***	***			
Carbon, Tot Organic (TOC)	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Carbon, Tot Organic (TOC)	Effluent Net Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Calculated
January thru December	QL	***	***		***	***	***			

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).

Comments:

All samples shall be taken at the sampling station identified at DSN 461A.

Table III - B - 2: Surface Water DMR Limits and Monitoring Requirements

PHASE: Initial **PHASE Start Date:** 03/01/2003 **PHASE End Date:** 02/29/2004

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Carbon, Tot Organic (TOC)	Intake From Stream	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Heat (summer) (per Hr.)	Effluent Gross Value	REPORT Monthly Average	534 Daily Maximum	MBTU/HR	*****	*****	*****	*****	1/Day	Calculated
June thru August	QL	***	***		***	***	***			
Heat (winter) (per Hr.)	Effluent Gross Value	REPORT Monthly Average	662 Daily Maximum	MBTU/HR	*****	*****	*****	*****	1/Day	Calculated
September thru May	QL	***	***		***	***	***			

MONITORED LOCATION:	RECEIVING LOCATION:	DISCHARGE CATEGORY(IES):
461C DSN 461C - DSW internal	Delaware River	B - Industrial Wastewater

Location Description

Samples for this internal monitoring point shall be collected after all treatment has been performed and prior to mixing with cooling tower blowdown. This internal discharge point discharges through DSN 461A where DSN 461A discharges at latitude 39 degrees, 28', 14" and long. 75 degrees 32' 34".

Contributing Waste Types

Other Type of Process H2O

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).

Comments:

All samples shall be taken at the sampling station identified at DSN 461C.

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

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	MGD	*****	*****	*****	*****	Continuous	Metered
January thru December	QL	***	***		***	***	***			
Solids, Total Suspended	Effluent Gross Value	*****	*****	*****	*****	30 Monthly Average	100 Daily Maximum	MG/L	1/Month	Composite
January thru December	QL	***	***		***	***	***			
Petrol Hydrocarbons, Total Recoverable	Effluent Gross Value	*****	*****	*****	*****	10 Monthly Average	15 Daily Maximum	MG/L	2/Month	Grab
January thru December	QL	***	***		***	***	***			
Carbon, Tot Organic (TOC)	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	50 Daily Maximum	MG/L	1/Month	Composite
January thru December	QL	***	***		***	***	***			

Surface Water WCR - Quarterly Reporting Requirements:

Submit a Quarterly WCR: within twenty-five days after the end of every quarterly monitoring period beginning from the effective date of the permit (EDP). A minin

Comments:

All samples shall be taken at the sampling station identified at DSN 461C.

Table III - C - 2: Surface Water WCR - Quarterly Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:** 02/29/2004

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Nitrogen, Ammonia Total (as N)	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
Zinc, Total Recoverable	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Cadmium, Total Recoverable	Effluent Gross Value	REPORT RQL = 4	UG/L	24 Hour Composite	January thru December
Copper, Total Recoverable	Effluent Gross Value	REPORT RQL = 2	UG/L	24 Hour Composite	January thru December

MONITORED LOCATION:	RECEIVING LOCATION:	DISCHARGE CATEGORY(IES):
462B dsn 462B - dsw outfall	Delaware River	B - Industrial Wastewater

Location Description

Samples obtained from this internal monitoring point shall be collected after all treatment has been performed and prior to mixing with cooling tower blowdown. This internal discharge point discharges through DSN 461A where DSN 461A discharges at latitude 39 degrees, 28', 14" and long. 75 degrees 32' 34".

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)..

Comments:

All samples shall be obtained at the sampling station identified as DSN 462B.

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

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	MGD	*****	*****	*****	*****	1/Day	Metered
January thru December	QL	***	***		***	***	***			
BOD, 5-Day (20 oC)	Raw Sew/influent	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Composite
January thru December	QL	***	***		***	***	***			
BOD, 5-Day (20 oC)	Effluent Gross Value	8 Monthly Average	REPORT Weekly Average	KG/DAY	*****	30 Monthly Average	45 Weekly Average	MG/L	1/Month	Composite
January thru December	QL	***	***		***	***	***			
BOD, 5-Day (20 oC)	Percent Removal	*****	*****	*****	87.5 Monthly Av Minimum	*****	*****	PERCENT	1/Month	Calculated
January thru December	QL	***	***		***	***	***			
Solids, Total Suspended	Raw Sew/influent	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Composite
January thru December	QL	***	***		***	***	***			

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)..

Comments:

All samples shall be obtained at the sampling station identified as DSN 462B.

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

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Solids, Total Suspended	Effluent Gross Value	*****	*****	*****	*****	30 Monthly Average	45 Weekly Average	MG/L	1/Month	Composite
January thru December	QL	***	***		***	***	***			
Solids, Total Suspended	Percent Removal	*****	*****	*****	85 Monthly Av Minimum	REPORT Monthly Average	*****	PERCENT	1/Month	Calculated
January thru December	QL	***	***		***	***	***			
Oil and Grease	Effluent Gross Value	*****	*****	*****	*****	10 Monthly Average	15 Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Coliform, Fecal General	Effluent Gross Value	*****	*****	*****	*****	200 Monthly Geo Avg	400 Weekly Geometric	#/100ML	1/Month	Grab
January thru December	QL	***	***		***	***	***			

Surface Water WCR - Quarterly Reporting Requirements:

Submit a Quarterly WCR: within twenty-five days after the end of every quarterly monitoring period beginning from the effective date of the permit (EDP). A minin

Comments:

All samples shall be obtained at the sampling station identified as DSN 462B.

Table III - D - 3: Surface Water WCR - Quarterly Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:** 02/29/2004

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Cyanide, Total (as CN)	Effluent Gross Value	REPORT RQL = 40	UG/L	Grab	January thru December

Surface Water WCR - Quarterly Reporting Requirements:

Submit a Quarterly WCR: within twenty-five days after the end of every quarterly monitoring period beginning from the effective date of the permit (EDP). A minin

Comments:

All samples shall be obtained at the sampling station identified as DSN 462B.

Table III - D - 3: Surface Water WCR - Quarterly Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:** 02/29/2004

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Nickel, Total Recoverable	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Zinc, Total Recoverable	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Cadmium, Total Recoverable	Effluent Gross Value	REPORT RQL = 4	UG/L	24 Hour Composite	January thru December
Chromium, Total Recoverable	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Copper, Total Recoverable	Effluent Gross Value	REPORT RQL = 2	UG/L	24 Hour Composite	January thru December

MONITORED LOCATION:
SI6A Oil/Water Separator

DISCHARGE CATEGORY(IES):
B - Industrial Wastewater

Location Description

A representative sample of residuals generated by the Oil/Water Separator shall be analyzed pursuant to the Sludge Quality Assurance Regulations (SQAR, N.J.A.C. 7:14C).

Contributing Waste Types

Ind Residual-Other

Residuals DMR Reporting Requirements:

Submit an Annual DMR: due 60 calendar days after the end of each calendar year.

Table III - E - 1: Residuals DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Nitrate Nitrogen, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Nitrogen, Kjeldahl Total, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Styrene	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Nitrogen, Ammonia Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Sulfide, Total (as S)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit an Annual DMR: due 60 calendar days after the end of each calendar year.

Table III - E - 1: Residuals DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Magnesium Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Barium, Total (as Ba)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Boron, Total (as B)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Manganese, Total (as Mn)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Titanium, Total (as Ti)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Molybdenum Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Phosphorus Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit an Annual DMR: due 60 calendar days after the end of each calendar year.

Table III - E - 1: Residuals DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Arsenic, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Cobalt, Total (as Co)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Silver, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Antimony, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Aluminum, Total (as Al)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Selenium, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Copper, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit an Annual DMR: due 60 calendar days after the end of each calendar year.

Table III - E - 1: Residuals DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Cadmium, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Zinc, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Lead, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Nickel, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Mercury, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Chromium, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Iron, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit an Annual DMR: due 60 calendar days after the end of each calendar year.

Table III - E - 1: Residuals DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Benzene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Bis(2-chloroethyl) ether, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Butyl benzyl-phthalate, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Dimethyl phthalate, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Naphthalene Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
2-Chloronaphthalene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Di-n-butyl phthalate Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit an Annual DMR: due 60 calendar days after the end of each calendar year.

Table III - E - 1: Residuals DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Hexachlorobenzene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Carbon Tetrachloride Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Chlorobenzene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Chloroform Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Ethylbenzene Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Methylene Chloride, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Tetrachloroethylene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit an Annual DMR: due 60 calendar days after the end of each calendar year.

Table III - E - 1: Residuals DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Toluene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Trichloroethylene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
1,1,1-Trichloro-ethane, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Carbon disulfide	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Vinyl acetate	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Xylenes (Total)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Acetone	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit an Annual DMR: due 60 calendar days after the end of each calendar year.

Table III - E - 1: Residuals DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Phenol, Single Compound, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
2,4-D	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			

Residuals WCR - Monthly Reporting Requirements:

Submit a Monthly WCR: due 60 calendar days after the end of each calendar month.

Table III - E - 3: Residuals WCR - Monthly Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Sludge Landfilled	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Sludge Land Applied	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Sludge Disposed Out-of-State	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Amt Sludge Rmvd, Wet Cubic Yards	Industrial Residuals	REPORT	WCY/MO	Calculated	January thru December
Amt Sludge Rmvd, Wet Metric Tons	Industrial Residuals	REPORT	WMT/MO	Calculated	January thru December

Residuals WCR - Monthly Reporting Requirements:

Submit a Monthly WCR: due 60 calendar days after the end of each calendar month.

Table III - E - 3: Residuals WCR - Monthly Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Amt Sludge Rmvd, Gallons	Industrial Residuals	REPORT	GAL/MON	Calculated	January thru December
Sludge Bene Use Out-of-State	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Sludge Surface Disposed	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Total Amount of Sludge Removed	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Sludge Incinerated	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Sludge Disposed-Other Methods	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Sludge/Septage Rcvd Offsite Srces Wet MT	Industrial Residuals	REPORT	WMT/MO	Calculated	January thru December
Sludge/Septage Rcvd Offsite Srces Gals	Industrial Residuals	REPORT	GAL/MON	Calculated	January thru December
Sludge/Septage Rcvd Offsite Srces Wt Yd3	Industrial Residuals	REPORT	WCY/MO	Calculated	January thru December
Solids, Total	Industrial Residuals	REPORT	%TS	Composite	January thru December

Residuals Transfer Reporting Requirements:

Submit a Monthly RTR: due 60 calendar days after the end of each calendar month.

MONITORED LOCATION: SL1A STP System

DISCHARGE CATEGORY(IES): B - Industrial Wastewater

Location Description

A representative sample of residuals generated by the STP System shall be analyzed pursuant to the Sludge Quality Assurance Regulations (SQAR, N.J.A.C. 7:14C).

Contributing Waste Types

Dom Residual-Other

Residuals DMR Reporting Requirements:

Submit an Annual DMR: due 60 calendar days after the end of each calendar year.

Table III - F - 1: Residuals DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Solids, Total	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	%TS	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Nitrate Nitrogen, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Nitrogen, Kjeldahl Total, Dry Wt	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Potassium Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Nitrogen, Ammonia Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit an Annual DMR: due 60 calendar days after the end of each calendar year.

Table III - F - 1: Residuals DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Calcium Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Molybdenum Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Phosphorus Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Arsenic, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Selenium, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Copper, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Beryllium Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit an Annual DMR: due 60 calendar days after the end of each calendar year.

Table III - F - 1: Residuals DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Cadmium, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Zinc, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Lead, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Nickel, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Mercury, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			
Chromium, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Year	Composite
January thru December	QL	***	***		***	***	***			

Residuals WCR - Annual Reporting Requirements:

Submit an Annual WCR: due 60 calendar days after the end of each calendar year.

Table III - F - 3: Residuals WCR - Annual *Limits and Monitoring Requirements*

PHASE: Final **PHASE Start Date:** 03/01/2003 **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Sludge Landfilled	Residuals	REPORT	DMT/YR	Calculated	January thru December
Sludge Land Applied	Residuals	REPORT	DMT/YR	Calculated	January thru December
Sludge Disposed Out-of-State	Residuals	REPORT	DMT/YR	Calculated	January thru December
Amt Sludge Rmvd, Wet Cubic Yards	Residuals	REPORT	WCY/YR	Calculated	January thru December
Amt Sludge Rmvd, Wet Metric Tons	Residuals	REPORT	WMT/YR	Calculated	January thru December
Amt Sludge Rmvd, Gallons	Residuals	REPORT	GAL/YEAR	Calculated	January thru December
Sludge Bene Use Out-of-State	Residuals	REPORT	DMT/YR	Calculated	January thru December
Sludge Surface Disposed	Residuals	REPORT	DMT/YR	Calculated	January thru December
Total Amount of Sludge Removed	Residuals	REPORT	DMT/YR	Calculated	January thru December
Sludge Incinerated	Residuals	REPORT	DMT/YR	Calculated	January thru December
Sludge Disposed-Other Methods	Residuals	REPORT	DMT/YR	Calculated	January thru December
Solids, Total	Residuals	REPORT	%TS	Composite	January thru December

Residuals Transfer Reporting Requirements:

Submit an Annual RTR: due 60 calendar days after the end of each calendar year.