



**PSEG** Public Service  
Electric and Gas  
Company

80 Park Plaza, Newark, NJ 07101 / 201 430-8217 MAILING ADDRESS / P.O. Box 570, Newark, NJ 07101

Robert L. Mittl General Manager  
Nuclear Assurance and Regulation

May 29, 1984

Director of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
7920 Norfolk Avenue  
Bethesda, Maryland 20814

Attention: Mr. Albert Schwencer, Chief  
Licensing Branch 2  
Division of Licensing

Gentlemen:

HOPE CREEK GENERATING STATION  
DOCKET NO. 50-354

Enclosed please find a copy of the NJPDES permit renewal application for Hope Creek Generating Station which is being sent as per our agreement in response to question E291.22. The renewal application was officially submitted to the NJDEP on May 11, 1984.

Very truly yours,

*RL Mittl pcc*

Enclosure

C D. H. Wagner  
USNRC Licensing Project Manager

8406050428 840529  
PDR ADDOCK 05000354  
A PDR

*cool  
1/1*

CP-1 Judgm-1



## State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

STANDARD APPLICATION FORM (CP # 1)  
CONSTRUCTION AND DISCHARGE PERMITS

FOR OFFICIAL USE

READ REQUIREMENTS  
PLEASE TYPE OR PRINT

1. Applicant/Owner\* Public Service Electric and Gas Company Telephone (201) 430-7000  
Permanent Legal Address 80 Park Plaza  
City or Town Newark State New Jersey Zip Code 07101
2. Location of Work Site Artificial Island  
Name of Facility, if applicable Hope Creek Generating Station  
Street/Road Foot of Luttonwood Road (Artificial Island)  
Lot No. 1-P Block No. 26  
City or Town Lower Alloways Creek Township State New Jersey Zip Code \_\_\_\_\_  
Municipality \_\_\_\_\_ County Salem
3. If applicable, give name of: Engineer/Surveyor/Well Driller/Geologist/Soil Scientist (Specify).  
Name \_\_\_\_\_ N.J. License No. \_\_\_\_\_  
Name of Firm, if employee Public Service Electric and Gas Company  
Address Box 570 County Essex  
Municipality Newark State New Jersey Zip Code 07101  
Telephone (201) 430-7000
4. This is an application for New Jersey Pollutant Discharge Elimination System Permit  
(~~Renewal~~)  
(Name of permit, certification, approval or exemption. See Item 9. Next Page.)
5. Fee is attached (If applicable). \$ \_\_\_\_\_  
(Provide explanation of how fee was calculated. Read Requirements Section of Standard Application booklet.)
6. Estimated construction cost of project:  
a. \$ \_\_\_\_\_ total cost of the project.  
b. \$ \_\_\_\_\_ portion for which this permit is requested.
7. I have included certifications of any public notifications. Yes \_\_\_\_\_ No \_\_\_\_\_
8. If applicable:  
(For Waterfront Development applications, 8c. must be completed.)  
a. Source of Water Supply Delaware River and On-Site Wells  
b. For Treatment at (Water Treatment Plant) N/A  
c. Stream, Waterway, Pond or Lake Delaware River  
d. Wastewater Treatment Facility N/A

\* Applicant/Owner must be the individual or municipality, public agency, utility, company, industry who will be the eventual owner and operator of said facility (sewer extension or treatment works) when completed.

9. Have any other applications for this site/project been submitted, or have any state permits been issued for this project? (If yes, indicate status and project number below.)

No ..... Yes .....X..... Decision .....

PERMIT TYPE	(Use additional sheets if necessary.)	APPLICATION STATUS	PROJECT #
		(PENDING - APPROVED)	
9.1	CAFRA.....	<u>Approved</u>	<u>CA74-014</u>
9.2	Waterfront Development (Riparian).....	<u>Approved</u>	<u>74-46</u>
9.3	Wetlands.....	<u>Approved</u>	<u>W74-042</u>
9.4	Purchase Water .....	_____	_____
	Diversion:		
9.5	Divert Water Supply for Public Use.....	_____	_____
9.6	Divert Surface Waters for Private Use.....	_____	_____
9.7	Divert Subsurface/Percolating Water for Private Use.....	<u>Approved</u>	<u>P-998</u>
9.8	Well Drilling .....	_____	_____
	Water Lowering:		
9.9	Permanent Lowering.....	_____	_____
9.10	Temporary Lowering.....	_____	_____
9.11	Construct/Modify, Operate Public Potable Water Works.....	_____	_____
9.12	Connection between an approved water supply and non-approved supply ...	_____	_____
9.13	Water Quality Certification.....	<u>Approved</u>	<u>NJDEP letter 5/1/74</u>
9.14	Construct/Repair Dam .....	_____	_____
9.15	Stream Encroachment.....	<u>Waiver Received</u>	_____
9.16	Sewer Systems: Collectors, Pump Station, etc.....	<u>See Attachment</u>	_____
9.17	Exemption from Sewer Ban .....	_____	_____
9.18	New Jersey Pollutant Discharge Elimination System (Specify).....	<u>Approved</u>	<u>NJ0025411</u>
9.19	Solid Waste Permits (Specify).....	_____	_____
9.20	Air Quality Permits (Specify).....	<u>See Attachment</u>	_____
9.21	Delaware and Raritan Canal Review Zone "Certificate of Approval" .....	_____	_____
9.22	Other State agencies' permits .....	<u>See Attachment</u>	_____
9.23	Local Permits .....	<u>See Attachment</u>	_____
9.24	Federal Permits.....	<u>See Attachment</u>	_____

10. Brief Description of the Proposed Project and Intended Use:

Facility discharges include: A) Cold-side Cooling Tower Blow-down: Prevents solids build-up in condenser cooling water. B) Sewage Treatment Plant: Treats sanitary wastes. C) Low Volume Waste System: Treats boiler blow-down and potentially oily wastes. D) Liquid Radioactive Waste System: Removes radioactive isotopes from certain liquid waste streams. E) Sedimentation Pond: Treats metal cleaning wastes during plant start-up (flushing) operations.

11. I hereby certify that the information furnished on this application (and the attachments) is true. I am aware that false swearing is a crime in this State and subject to prosecution.

T. J. Martin  
Type: Name and Date

T. J. Martin  
Signature of Applicant

Vice President - Engineering and Construction  
Type: Position

5-10-84  
Date

APPLICATIONS/PERMITS FOR THE HOPE CREEK GENERATING STATION PROJECT

<u>PERMIT TYPE</u>	<u>APPLICATION STATUS</u>	<u>PERMIT #</u>
- NJPDES, Discharge to Groundwater for Settling Pond	Approved	NJ0025411
- NJPDES, Discharge to Surface Water for Settling Pond	Draft Received	NJ0025411
- Treatment Works Approval, Stage 2, for Low Volume System	Waiver Received	_____
- Treatment Works Approval, Stage 2, for Cooling Tower	Waiver Received	_____
- NJPDES, Temporary Discharge of Auxiliary Boiler Blowdown to the Delaware River	Approved	NJ0025411
- Operate Sewer Extension	Approved	SO-76-0193-4
- RCRA, Hazardous Waste Facility Registration	Granted	EPA I.D. - 135001474 N.J.I.D. - NJD980646939
- Construct/Operate Sewage Treatment Plants	Approved	SO-5-76-5720A SO-5-76-5720B
- Instruction/Operation Air Pollution Control Device For:		
Dust Coll. Cement	Approved	23728
Dust Coll. Cement	Approved	23729
Dust Coll. Cement	Approved	23730
Dust Coll. Cement	Approved	23731
Peabody Boilers	Approved	34090
Space Heater 2MBTU	Approved	35717
Space Heater 2MBTU	Approved	35718
Space Heater 2MBTU	Approved	35719
Space Heater 2MBTU	Approved	35720
Space Heater 2MBTU	Approved	35721
Space Heater 2MBTU	Approved	35722
Space Heater 2MBTU	Approved	35723
Space Heater 2MBTU	Approved	35724
Space Heater 2MBTU	Approved	35725
Space Heater 2MBTU	Approved	35726

<u>PERMIT TYPE</u>	<u>APPLICATION STATUS</u>	<u>PERMIT #</u>
Space Heater 2MBTU	Approved	35727
Space Heater 2MBTU	Approved	35728
Space Heater 2MBTU	Approved	35729
Space Heater 2MBTU	Approved	35730
Space Heater 2MBTU	Approved	35731
Cooling Tower	Approved	41932
Tank OOT-527 - Day Tank	Approved	42152
#2 Fuel Oil Tank (AT-403)	Approved	42154
#2 Fuel Oil Tank (BT-403)	Approved	42155
#2 Fuel Oil Tank (CT-403)	Approved	42156
#2 Fuel Oil Tank (ET-403)	Approved	42157
#2 Fuel Oil Tank (FT-403)	Approved	42158
#2 Fuel Oil Tank (GT-403)	Approved	42159
#2 Fuel Oil Tank (HT-403)	Approved	42160
#2 Fuel Oil Tank (IT-403)	Approved	42161
Diesel Gen. #1	Approved	42170
Diesel Gen. #2	Approved	42171
Diesel Gen. #3	Approved	42172
Diesel Gen. #4	Approved	42173
Boiler #1	Approved	42178
Boiler #2	Approved	42179
Boiler #3	Approved	42180
#2 Fuel Oil Tank OOT-516	Approved	42181
Na O Cl Stor. Tank (OBT-501)	Approved	42215
Na O Cl Stor. Tank (OCT-501)	Approved	42216
H2SO4 Stor. Tank OAT-500	Approved	42218
Na O Cl Stor. Tank (OET-501)	Approved	42220
Na O Cl Stor. Tank (OFT-501)	Approved	42221
Spac Htr. CF-100-1	Approved	45630
Spac Htr. CF-100-2	Approved	45631
Spac Htr. CF-100-3	Approved	45632
Spac Htr. CF-100-4	Approved	45633
Spac Htr. CF-100-5	Approved	45634
Spac Htr. CF-200-1	Approved	45635
Spac Htr. CF-200-2	Approved	45636
Spac Htr. CF-200-3	Approved	45637
Spac Htr. CF-250	Approved	45638
Propane Tank #1	Approved	45639 (36180)
Propane Tank #2	Approved	45640 (36181)
Propane Tank #3	Approved	45641 (36182)
Propane Tank #4	Approved	45642 (36183)

<u>PERMIT TYPE</u>	<u>APPLICATION STATUS</u>	<u>PERMIT #</u>
Leaded Gas Tanks	Approved	62426
Unleaded Gas Tanks	Approved	62204
Space Htr.CF-100-6	Approved	62206
Space Htr.CF-100-7	Approved	62205
Space Htr.CF-125-1	Approved	62207
Space Htr.CF-125-2	Approved	62208
Space Htr.CF-127-1	Approved	62209
Fly Ash Storage Tanks	Approved	63438
20,000 Fuel Tank	Approved	63787
3,000 Gasoline Tank	Approved	63439
4,000 Fuel Tank	Approved	63700
Cement Storage Tank	Approved	65460
Lube Oil Stor. Tank (OT-119)	Approved	66250
Lube Oil Rec. Tank (OT-120)	Approved	66251
Paint and Blasting Shop	Approved	67426
 <u>FEDERAL PERMITS</u>		
NRC, Construction Permit	Approved	Docket No. 50-354
NRC, Operating License	Applied for	-
, Project Review	Approved	Docket No. D-73-193CP
U.S. Army Corps of Engineers, Dredging Permit	Approved	NAPOP-R-970
FAA, Air Navigation Determination	Approved	74-EA-995-0E
 <u>LOCAL PERMITS</u>		
Building Permit	Approved	No. 152

EN:dh

4/11/84

" 94 62/02 3-dh

ENDORSEMENTS

SOME PERMIT APPLICATIONS REQUIRE SPECIFIC ENDORSEMENTS OF OWNERS, AGENTS, MUNICIPALITIES, ETC. ENDORSEMENTS MAY BE REQUIRED FOR YOUR PERMIT.

VERIFY THE NEED FOR ENDORSEMENTS IN THE "REQUIREMENTS" SECTION OF THE STANDARD APPLICATION FORM CP #1 BOOKLET OR WITH THE APPROPRIATE DEP AGENCY.

**A. PROPERTY OWNER'S CERTIFICATION\*†**

I hereby certify that Public Service Electric and Gas Company  
*Property Owner's Name*

is the owner of the property upon which the proposed work is to be done. This endorsement is certification that the owner grants permission for the conduct of the proposed activity.

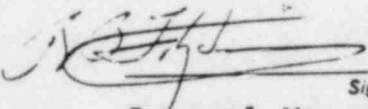
In addition, the aforementioned property owner shall certify:

- Whether any work is to be done within an easement — Yes \_\_\_\_\_ (initial) No   H   (initial)
- Whether any part of the entire project (i.e., pipeline, roadway, cable, transmission line, etc.) will be located within property belonging to the State of New Jersey. Yes   H   (initial) No \_\_\_\_\_ (initial)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Type or Print Name and Address of Owner, if different from Item 1 on Page 1*

\_\_\_\_\_  
*Date*



R. B. Fitzsimmons

*Signature of Owner*

**General Manager - Real Estate**

\* Not required for Sewer System Application.  
† Required for the Land Application of Sludge, Septage or Compost.

**B. APPLICANT'S AGENT**

I, the applicant (name) N/A  
authorize to act as my agent/representative in all matters pertaining to my application the following person:

Name \_\_\_\_\_ Phone \_\_\_\_\_  
Address \_\_\_\_\_ County \_\_\_\_\_  
City or Town \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
Occupation/Profession \_\_\_\_\_

\_\_\_\_\_  
*Signature of Applicant*

**AGENT'S CERTIFICATION**

Sworn before me  
this \_\_\_\_\_ day of  
\_\_\_\_\_ 19\_\_\_\_

I agree to serve as agent for the above-named applicant

\_\_\_\_\_  
*Notary Public*

\_\_\_\_\_  
*Signature of Agent*



C. PROPER CONSTRUCTION AND OPERATION CLAUSE (Sewer Extensions, Treatment Works Approval, Water Work

I, the applicant, agree that the works will be properly constructed and operated in accordance with the engineering plans and specifications, as approved, and the conditions under which approval is granted by the State Department of Environmental Protection.

\_\_\_\_\_  
*Signature of Applicant* N/A

D. STATEMENT OF PREPARER OF PLANS, SPECIFICATIONS AND ENGINEER'S REPORT

I hereby certify that the engineering plans, specifications and engineer's report applicable to this project comply with the current rules and regulations of the State Department of Environmental Protection with the exceptions as noted.

\_\_\_\_\_  
*Signature of Engineer* N/A

\_\_\_\_\_  
*Type: Name and Date*

PROFESSIONAL ENGINEER'S  
EMBOSSSED SEAL

\_\_\_\_\_  
*Position, Name of Firm*

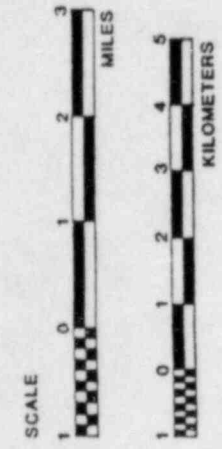
E. OWNER'S COMPLIANCE WARRANT (NJPDES ONLY)

I, the owner, hereby agree that any treatment works constructed to meet the NPDES/NJPDES permit discharge limits will be properly constructed and operated to meet those limits. I also warrant that the discharge(s) will meet the effluent limitations as described in the NPDES/NJPDES permit, as issued.

\_\_\_\_\_  
*Signature of Owner*

\_\_\_\_\_  
*Title*

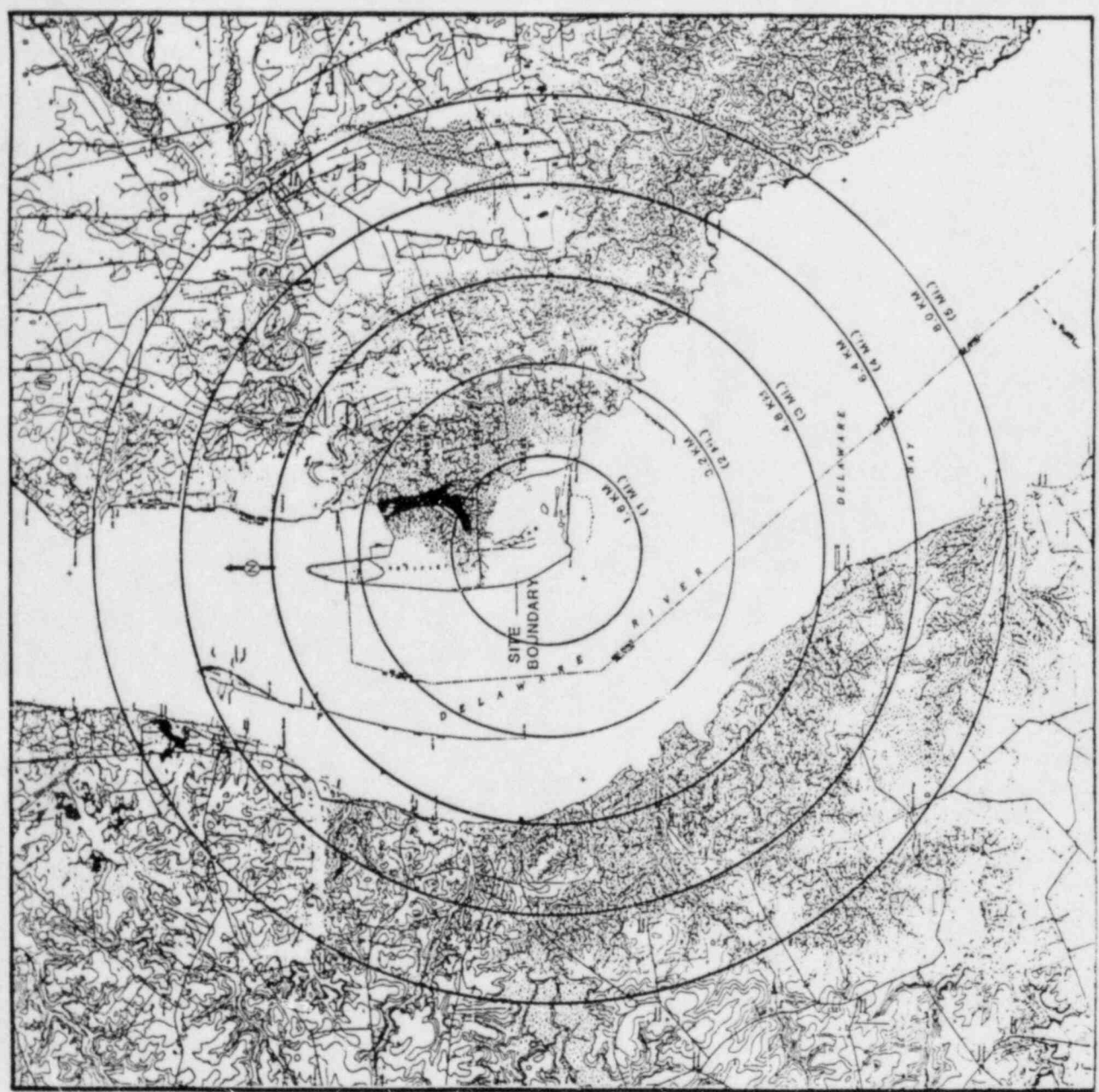
\_\_\_\_\_  
*Date*

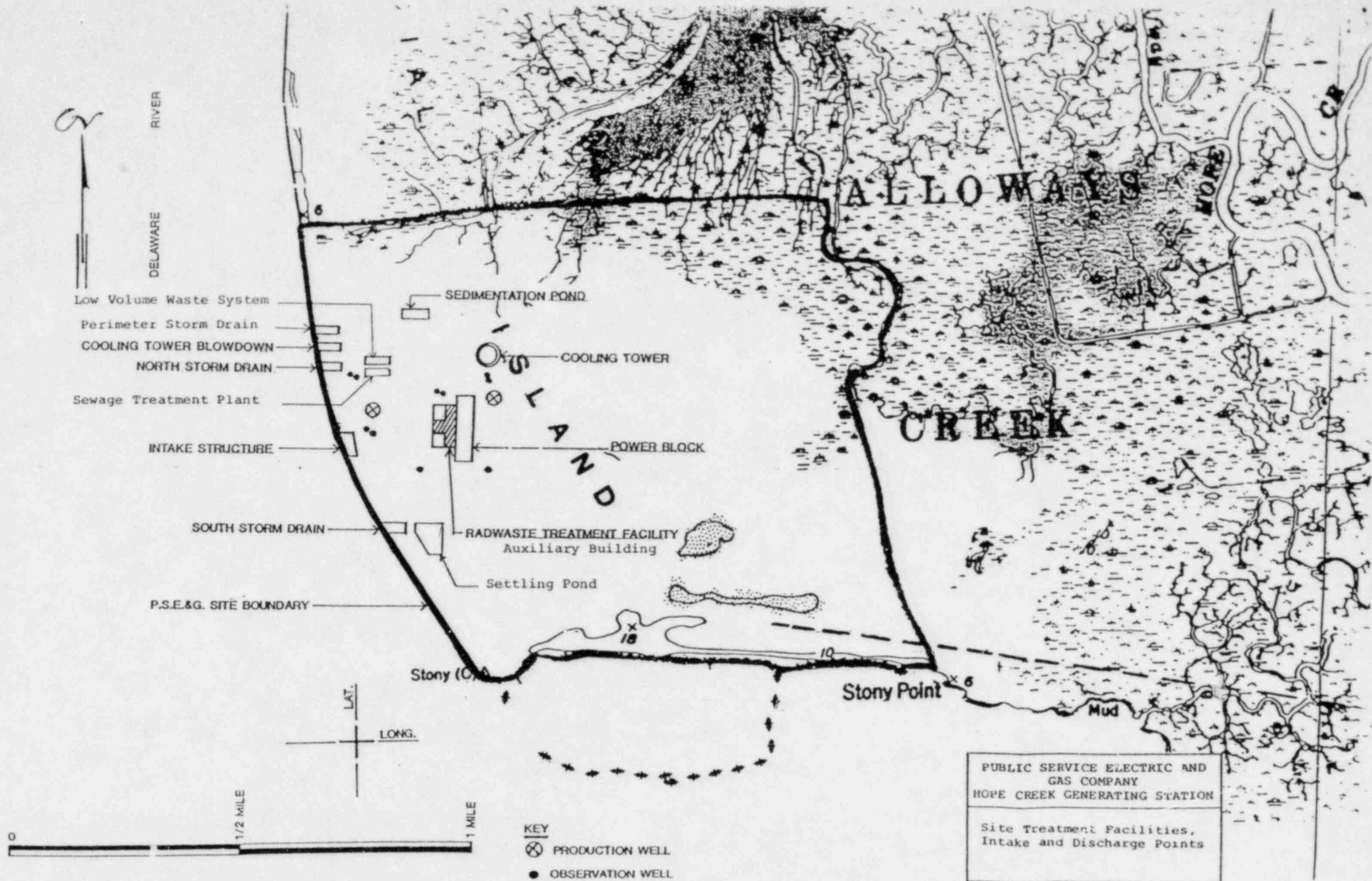


CONTOUR INTERVAL 10 FEET  
 U. S. GEOLOGICAL SURVEY

PUBLIC SERVICE ELECTRIC AND  
 GAS COMPANY  
 HOPE CREEK GENERATING STATION

SITE VICINITY  
 WITHIN 8 KILOMETERS ( 5 MI. )





PUBLIC SERVICE ELECTRIC AND  
GAS COMPANY  
HOPE CREEK GENERATING STATION

Site Treatment Facilities,  
Intake and Discharge Points

KEY  
 ⊗ PRODUCTION WELL  
 ● OBSERVATION WELL



NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM  
SUPPLEMENT TO THE STANDARD APPLICATION FORM CP # 1



APPLICATION TO DISCHARGE WASTEWATERS AND  
RESIDUALS TO THE STATE'S LAND AND WATER

Answer all questions. Please print or type.

1. Circle the letter(s) for those discharge activities presently conducted or to be conducted as part of the facility's operation. (Seasonal facility operation shall be considered as a present operation.)
- In the space provided, indicate if there is an existing NPDES or NJPDES permit for each circled activity (yes/no).
  - In the space provided, indicate if this application is for a "new" source, an "existing" source, or a "renewal" of a current permit.

<u>DISCHARGE ACTIVITY</u>	<u>YES/NO</u>	<u>NEW, EXISTING, RENEWAL</u>
A. Municipal Surface Water Discharge	_____	_____
B. Industrial/Commercial Surface Water Discharge	Yes _____	Renewal _____
C. Thermal Surface Water Discharge	Yes _____	Renewal _____
D. Land Application of Sludge and Septage	_____	_____
E. Land Application of Industrial Waste Residues	_____	_____
F. Landfill Wastes	_____	_____
G. Spray Irrigation	_____	_____
H. Overland Flow	_____	_____
I. Rapid Infiltration	_____	_____
J. Surface Impoundment	Yes (temporary) _____	Existing _____
K. Underground Injection	_____	_____
L. Discharge to a Domestic Treatment Works	_____	_____

2. Facility: Latitude 39° 27' 53" N Longitude 75° 32' 12" W

3. Name and address of applicant's parent corporation, subsidiary, or partnership data.  
(Attach additional sheets if necessary.)

Name Public Service Electric and Gas Company Telephone No. (201) 430-7000  
Mailing Address Box 570  
City or Town Newark State New Jersey Zip Code 07101

4. Facility's Contact Person (This person must be responsible for and familiar with the facility operation.)

Name D. E. Cooley Telephone No. (201) 430-8413  
Address of Operator T22A Box 570  
City or Town Newark State New Jersey Zip Code 07101

5. Is the facility a
- Federal Facility
  - State Facility
  - Public Facility (a local government subdivision)
  - Private Facility

6. List in order of priority all Standard Industrial Codes (SIC) which best reflect the principal products or services provided by the facility.

<u>SIC</u>	<u>PRODUCTS OR SERVICES PROVIDED</u>
Group No. 491/Industry No. 4911	<u>Generation, Transmission and Distribution of Electricity</u>
_____	_____
_____	_____
_____	_____

7. If applicable, identify all administrative orders, temporary or permanent injunctions, civil administrative penalties, civil penalties, or criminal actions concerning pollution issued against the facility during the last five (5) years.

<u>ENFORCEMENT ACTION</u>	<u>DATE OF ACTION</u>	<u>RESULT</u>
<u>Administrative Order;</u>	<u>8/10/83</u>	<u>Prepared and Submitted</u>
<u>NJDEP Division of Waste Management</u>	_____	<u>Required Documents</u>
_____	_____	_____

8. If applicable, list all locations involved in the storage of solid or liquid waste at the facility for which the NJPDES application is being made and the ultimate disposal sites of solid or liquid wastes generated by the facility being permitted.

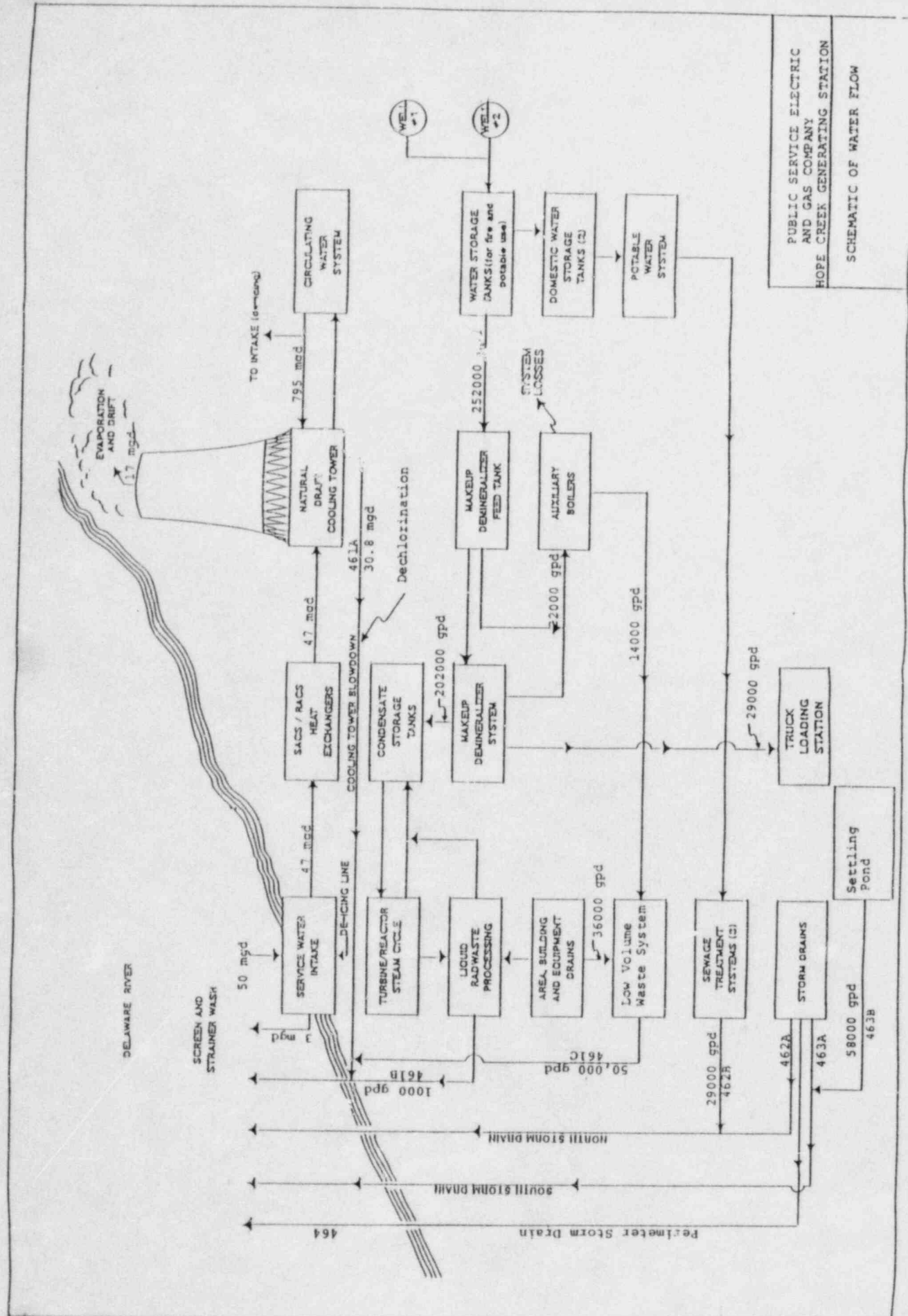
<u>STORAGE SITE(S)</u>	<u>ULTIMATE DISPOSAL SITE(S)</u>
<u>See attachment</u>	_____
_____	_____
_____	_____
_____	_____

LOCATIONS AT HOPE CREEK GENERATING STATION  
USED FOR STORAGE OF SOLID OR LIQUID WASTES  
AND ULTIMATE DISPOSAL OF EACH

<u>WASTE TYPE</u>	<u>WASTE SOURCE</u>	<u>ULTIMATE DISPOSAL</u>
Sludge	Sewage Treatment Plant	Trucked off-site
Liquid	Sewage Treatment Plant	Discharged to Delaware River through the North Storm Drain.
Liquid	Demineralizer Regenerant Waste Storage Tank	Trucked to the Salem Generating Station for treatment
Liquid	Oily Water, Low Volume Waste Water Treatment System	Discharged to Delaware River
Sludge	Oily Water, Low Volume Waste Water Treatment System	Trucked off-site
Liquid	Settling pond for metal cleaning wastes (primarily for system start-up)	Discharged to Delaware River
Sludge	Settling Pond	Trucked off-site
Liquid	Waste Oil Holding Tank	Trucked off-site
Liquid	Liquid Radioactive Waste System	Recycled, concentrated for off-site disposal or treated and discharged to Delaware River in accordance with discharge limits in 10CFR20.
Solid	Spent Nuclear Fuel	Stored on-site in spent fuel pool
Solid	Low Level Solid Radioactive Waste System	Shipped off-site to licensed burial site
Sludge	Cooling Tower Basin (bottom sediment)	Deposited in on-site disposal site

EN:db

MP83 123/21 1



FORM  
2C  
NPDES



U.S. ENVIRONMENTAL PROTECTION AGENCY  
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER  
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS  
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
461A	39	28	15	75	32	30	Delaware River
461B	39	28	15	75	32	30	Delaware River
461C	39	28	15	75	32	30	Delaware River
462A	39	28	15	75	32	30	Delaware River
462B	39	28	15	75	32	30	Delaware River
463A	39	28	00	75	32	30	Delaware River

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALLING (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	B. OPERATION (list)	D. AVERAGE FLOW (include units)	A. DESCRIPTION	D. LIST CODES FROM TABLE 2C-1	
461A	Cooling Tower Blowdown	30.8 mgd	See Attachment	2F	2E
	(Retention time in cooling water system averages 5.4 hours)			1F	4A
				5Q	
461B	Liquid Radioactive Waste System (Batch operation)	1,000 gpd	See Attachment	2J	1C
				4A	4C
				1F	2K
461C	Low Volume Waste System (Retention time in the system is approximately one hour)	50,000 gpd	See Attachment	1H	4A
				1U	
462A	Storm Drain, North (Intermittent flows)	201,000 gpd	See Attachment	4A	
462B	Sewage Treatment System (Retention time in the system is approximately 30 hours)	29,000 gpd	See Attachment	3A	4A
				2F	1T
				1L	5A
463A	Storm Drain, South (Intermittent flows)	189,000 gpd	See Attachment	4A	

OFFICIAL USE ONLY (effluent guidelines sub-categories)





II.) Flows, Sources of Pollution, and Treatment Technologies  
Attachment

OUTFALL NUMBER/TREATMENT DESCRIPTION

<u>OUTFALL NO.</u>	<u>OPERATION</u>	<u>TREATMENT</u>
461A	Cooling Tower Blowdown	<p>a.) Cooling Tower Blowdown is Delaware River Water concentrated approximately two (2) times. Condenser cooling water is treated to remove heat by circulation through an evaporative natural draft (counter flow) cooling tower. Sulfuric Acid is added to control scaling. Sodium hypochlorite is added for biofouling prevention. A portion of this water is continuously removed to prevent solids buildup as required, it is treated with a Sulfur IV type dechlorinating agent to reduce chlorine residuals to acceptable levels.</p> <p>b.) Cooling tower basin sediment will be removed from time to time and trucked to an onsite dredge spoils disposal area.</p>
461B	Liquid Radioactive Waste System	<p>a.) The Liquid Radioactive Waste System collects and processes water arising from various radioactive processes within the plant. These liquid wastes are treated in order to recycle water with specific conductance less than or equal to 0.1 umho per centimeter. High purity treated effluents in excess of plant needs are discharged to the Delaware River.</p> <p>b.) Contaminated residues and deionizing resins created in the treatment of liquid radioactive wastes are solidified for off-site shipment and disposal in a Federally licensed facility.</p>

OUTFALL NO.OPERATIONTREATMENT

461C

Low-Volume Waste  
Treatment System

- a.) The low-volume waste treatment system collects potentially oily water from area, building and equipment drains throughout the site. Most flows to the system are intermittent except for auxiliary boiler blowdown and blowdown quench water, which also are treated in the low volume waste treatment facility. These liquid wastes may have floatable and oily constituents, which are removed in an API-type oil separator. After treatment, clarified water discharges to the Delaware River through DSN 461A.
- b.) Oily sludges isolated from the oil-water separator are stored in a holding tank and trucked off-site to a licensed disposal facility

462A

Storm Drain, North

- a.) The north storm drain accepts area run-off and site drainage from the facility parking lot, auxiliary boiler area, building roof drains, catch basins, etc. These waters discharge directly to the Delaware River.
- b.) No sludges are generated by this system.

462B

Sewage Treatment System

- a.) The Sewage Treatment System at Hope Creek collects and treats sanitary wastes in 3 package (extended aeration-activated sludge type) plants. Sewage plant effluent discharges to the Delaware River through DSN 462A.
- b.) Sludges generated in the Sewage Treatment System are trucked off-site to a licensed disposal facility

463A

Storm Drain, South

- a.) The south storm drain accepts area run-off and site drainage from the facility switch yard, guardhouse, service water intake structure, roof drains, catch basins, etc. These waters discharge directly to the Delaware River.

OUTFALL NO.

OPERATION

TREATMENT

463B

Settling Pond

b.) No sludges are generated by this system.

a.) The Settling Pond accepts non-chemical metal cleaning wastes and removes solids through gravity settling. Settling Pond effluent discharges to the Delaware River through DSN 463A.

b.) Settled solids, grit, etc. are trucked to a licensed landfill.

464

Perimeter Storm Drain

a.) The perimeter storm drain accepts storm water run-off and site drainage from the cooling tower area, parking facilities, and areas external to the project. These waters discharge to the Delaware River.

CONTINUED FROM THE FRONT

Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?  
 YES (complete the following table)  NO (go to Section III)

I. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				C. DURATION (in days)
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		b. TOTAL VOLUME (specify with units)		
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
463B	Settling Pond	Ranges from 1-7 days per week	N/A System not yet in operation	N/A	.058	NA	58,000 gpd	N/A
461B	Liquid Radioactive Waste System	7 (projected)	12 (projected)	N/A System not in operation	0.289	1,000 gpd	11,000 gpd	N/A

III. MAXIMUM PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?  
 YES (complete Item III-B)  NO (to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)?  
 YES (complete Item III-C)  NO (go to Section IV)

C. If you answered "Yes" to Item III-B, list the quantity which represents an actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. MAXIMUM QUANTITY			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operation of waste-water treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.  
 YES (complete the following table)  NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. no.	b. SOURCE OF DISCHARGE		a. required	b. projected

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects) which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.  MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

**V. INTAKE AND EFFLUENT CHARACTERISTICS**

A, B, & C: See instructions before proceeding - Complete one set of tables for each outfall - Annotate the outfall number in the space provided.  
NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
Asbestos (DSN No. 461A)	Asbestos is a constituent of cooling tower fill, distribution piping and drift eliminators. (No operating data are available).		
Hydrazine (DSN No. 462A)	Hydrazine will be used as an oxygen scavenger in the auxiliary boiler to reduce corrosion.		

**VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS**

A. Is any pollutant listed in Item V-C a substance or a component of a substance which you do or expect that you will over the next 5 years use or manufacture as an intermediate or final product or byproduct?

YES (list all such pollutants below)

NO (go to Item VI-B)

B. Are your operations such that your raw materials, processes, or products can reasonably be expected to vary so that your discharges of pollutants may during the next 5 years exceed two times the maximum values reported in Item V?

YES (complete Item VI-C below)

NO (go to Section VII)

C. If you answered "Yes" to Item VI-B, explain below and describe in detail the sources and expected levels of such pollutants which you anticipate will be discharged from each outfall over the next 5 years, to the best of your ability at this time. Continue on additional sheets if you need more space.

**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges into a receiving water in relation to your discharge within the last 3 years?

YES (Identify the tests, and, for each, their purposes below)

NO (go to Section VIII)

**VIII CONTRACT ANALYSIS INFORMATION**

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
Quality Control Laboratory	243 White Horse Pike Audobon, N.J. 08106	(609) 428-1303	For sewage plant BOD, TSS, COD, TOC, Ammonia, Color, Fecal Coliform, Nitrate, TON, Oil and Grease, Phosphorus, Sulfate, Sulfide, Surfactants, Iron, Magnesium, Manganese, Copper
John G. Reutter Assoc.	Ninth and Cooper Streets, Camden, N.J. 08101	(609) 541-7700	All "intake" values for every discharge except No. 461A

**IX. CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. PHONE NO. (area code & no.)
Thomas J. Martin, Vice President Engineering and Construction	(201) 430-8316
C. SIGNATURE	D. DATE SIGNED

VIII.) CONTRACT ANALYSIS INFORMATION (continued)

A. <u>NAME</u>	B. <u>ADDRESS</u>	C. <u>TELEPHONE</u>	D. <u>POLLUTANTS ANALYZED</u>
PSE&G Energy Laboratory	200 Boyden Ave. Maplewood, N.J. 07040	(201) 621-7500	"Intake" values for DSN 461A



KEY TO HOPE CREEK GENERATING STATION  
NJPDES RENEWAL NOMENCLATURE

- \*-1 Value based on engineering estimate; process not yet in operation.
- \*-2 No value available; process not yet in operation, but pollutant is expected to be present.
- \*-2A No value available; process not yet in operation, but pollutant is expected to be absent.
- \*-3 Process not yet in operation. Pollutant will be present in intake water, creating the basis for a "net limitation".
- \*-4 Water quality is expected to be typical of storm water runoff.
- \*-5 Flows are based on approximate drainage area and (maximum and average) daily rainfall (from U.S. Department of Commerce - 1968).
- \*-6 Daily Maximum Concentration value based on one sample.
- X (When placed under the "intake" column)  
Pollutant expected to be present in the discharge, due solely to its presence in intake water.
- NA Data not available.

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

NJ0025411

Cooling Tower  
Blowdown  
(non-process)  
Form Approved OMB No. 158-R0173

OUTFALL NO  
461A

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	b. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	See attached note		NA	NA	NA	NA	*-3	mg/L	Kg	See attached note		
b. Chemical Oxygen Demand (COD)	See attached note		NA	NA	NA	NA	*-3	mg/L	Kg	See attached note		
c. Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
d. Total Suspended Solids (TSS)	See attached note		NA	NA	NA	NA	*-3	mg/L	Kg	See attached note		
e. Ammonia (as N)	See attached note		NA	NA	NA	NA	*-3	mg/L	Kg	See attached note		
f. Flow	VALUE 54,440		VALUE 54,440		VALUE 21,360		*-1	gpm	gpm	VALUE 32,860		*-1
g. Temperature (winter)	VALUE 28.5		VALUE NA		VALUE 17.3		*-1	°C		VALUE 2.9		24/day
h. Temperature (summer)	VALUE 34.5		VALUE NA		VALUE 28.8		*-1	°C		VALUE 25.8		24/day
i. pH	MINIMUM 6.5	MAXIMUM 8.5	MINIMUM NA	MAXIMUM NA	X		*-1	STANDARD UNITS		X		

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. PRESENT	b. ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	b. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959 67 9)	X											X		
b. Chlorine Total Residual	X		0.5	4.1	NA	NA	NA	NA	*-1	mg/L	Kg	NA	NA	NA
c. Color	X											X		
d. Fecal Coliform	X											X		
e. Fluoride (14684 48 R)	X											X		
f. Nitrate-Nitrite (as N)	X											X		

ITEM V-B CONTINUED FROM FRONT

POLLUTANT AND CAS NO. (if available)	E. M. SYSTEMS	3. EFFLUENT				4. UNITS		5. INTAKE (optional)		NO. OF ANAL. VSES
		A. MAXIMUM DAILY VALUE (1) CONCENTRATION	B. MAXIMUM 30 DAY VALUE (2) CONCENTRATION	C. LONG TERM VALUE (3) CONCENTRATION	D. NO. OF ANAL. VSES	CONCENTRATION (1)	MASS (2)	CONCENTRATION (1)	MASS (2)	
Nitrogen, Total Organic (N)	X								X	
OH and Feens	X								X	
Phosphorus (P), Total (722-14-0)	X								X	
Radioactivity										
1) Alpha, total										
2) Beta, total										
3) Radium, total										
4) Radium 226, Total										
5) Sulfide (as SO <sub>2</sub> ) (7428-79-8)	X	See attached note	NA	NA	NA	NA	*-3 mg/L	Kg	See attached note	
6) Sulfide (as S) (7428-79-8)	X									
7) Sulfite (as SO <sub>3</sub> ) (7428-79-8)	X									
8) Surfactants										
9) Aluminum, Total (7429-90-8)	X									
10) Barium, Total (7440-39-3)	X									
11) Boron, Total (7440-42-8)	X									
12) Cobalt, Total (7440-48-4)	X									
13) Iron, Total (7439-89-6)	X	See attached note	NA	NA	NA	NA	*-3 mg/L	Kg	See attached note	
14) Magnesium, Total (7439-96-4)	X									
15) Molybdenum, Total (7439-96-7)										
16) Manganese, Total (7439-96-8)	X									
17) Ni, Total (7440-31-8)										
18) Thallium, Total (7440-32-8)	X									

NJ0025411

461A

CONTINUED FROM PAGE 3 OF FORM 2-C

**PART C** - If you are a primary industry and this outfall contains process wastewater, refer to Table 2-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe to be absent. If you mark either columns 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TESTING REQUIREMENT	B. PRESENT	C. ABSENT	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANALYSES	E. CONCENTRATION	F. MASS	G. LONG TERM AVERAGE VALUE		H. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)			X												
2M. Arsenic, Total (7440-38-2)		X												X	
3M. Beryllium, Total, (7440-41-7)			X												
4M. Cadmium, Total (7440-43-9)		X												X	
5M. Chromium, Total (7440-47-3)		X												X	
6M. Copper, Total (7550-50-8)		X		See attached note	NA	NA	NA	NA	*-3	mg/L	Kg	See attached note			
7M. Lead, Total (7439-92-1)		X												X	
8M. Mercury, Total (7439-97-6)		X												X	
9M. Nickel, Total (7440-02-0)		X												X	
10M. Selenium, Total (7782-49-2)		X												X	
11M. Silver, Total (7440-22-4)		X												X	
12M. Thallium, Total (7440-28-0)			X												
13M. Zinc, Total (7440-66-6)		X												X	
14M. Cyanide, Total (57-12-6)			X												
15M. Phenols, Total		X												X	
<b>DIOXIN</b>															
2,3,7,8 Tetra chlorodibenzo P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

1. POLLUTANT AND GAS NUMBER (if available)	2. MARK 'X' (a) or (b) (1) or (2)	3. EFFLUENT		4. UNITS		5. IN. (optional)		
		B. MAXIMUM DAILY VALUE (a) CONCENTRATION (b) MASS	D. MAXIMUM 30 DAY VALUE (a) CONCENTRATION (b) MASS	4. CONCENTRATION	B. MASS	A. LONG TERM AVERAGE VALUE (a) CONCENTRATION (b) MASS	C. NO. OF ANAL. VSBS	
<b>OCAMS FRACTION 4 - VOLATILE COMPOUNDS</b>								
1V. Acetone (167-59-6)	X							
2V. Acrylonitrile (107-13-1)	X							
3V. Benzene (71-43-2)	X							
4V. Bis (Chloromethyl) Ether (54-28-1)	X							
5V. Bromoform (75-26-3)	X							
6V. Carbon Tetrachloride (50-23-5)	X							
7V. Chlorobenzene (106-96-7)	X							
8V. Chloroethene (124-48-1)	X							
9V. Chloroethane (78-06-3)	X							
10V. 2-Chloroethylvinyl Ether (116-78-8)	X							
11V. Chloroform (67-66-3)	X							
12V. Dichlorobromomethane (78-37-4)	X							
13V. Dichlorodifluoromethane (78-71-9)	X							
14V. 1,1-Dichloroethane (78-34-3)	X							
15V. 1,2-Dichloroethane (107-06-2)	X							
16V. 1,1-Dichloroethene (78-38-4)	X							
17V. 1,2-Dichloropropane (78-27-6)	X							
18V. 1,3-Dichloropropene (642-76-6)	X							
19V. Ethylbenzene (100-61-6)	X							
20V. Methyl Bromide (74-83-6)	X							
21V. Methyl Chloride (74-87-3)	X							

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INT. USE (optional)			
	A. TEST METHOD	B. USE OF EQUIP.	C. USE OF TECH.	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE		c. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)			X												
23V. 1,1,2,2-Tetrachloroethane (78-34-6)			X												
24V. Tetrachloroethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Dichloroethylene (156-60-5)			X												
27V. 1,1,1-Trichloroethane (71-55-6)			X												
28V. 1,1,2-Trichloroethane (79-00-5)			X												
29V. Trichloroethylene (79-01-6)			X												
30V. Trichlorofluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)			X												
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (98-57-8)			X												
2A. 2,4-Dichlorophenol (120-83-2)			X												
3A. 2,4-Dimethylphenol (106-67-9)			X												
4A. 4,6-Dinitro-O-Cresol (834-62-1)			X												
5A. 2,4-Dinitrophenol (81-28-5)			X												
6A. 2-Nitrophenol (88-75-5)			X												
7A. 4-Nitrophenol (100-02-7)			X												
8A. P-Chloro-M-Cresol (89-80-7)			X												
9A. Pentachlorophenol (87-86-5)			X												
10A. Phenol (108-96-2)			X												
11A. 2,4,6-Trichlorophenol (88-06-2)			X												

CONTINUED FROM THE FRONT

POLLUTANT AND CAS NUMBER (if available)	MARK 'A'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)		NO. OF ANAL. YRS
	NO. OF ANAL. YRS	MARK 'A'	MAXIMUM DAILY VALUE (i) mass	MAXIMUM 30 DAY VALUE (i) concentration	CONCENTRATION (i) mass	CONCENTRATION (i) mass	LONG TERM AVERAGE (ii) concentration	IN MASS	
<b>CARB FRACTION - BASE/NEUTRAL COMPOUNDS</b>									
15. Acenaphthene (93-32-9)		X							
16. Acenaphthylene (208-96-9)		X							
17. Anthracene (120-12-7)		X							
18. Benzidine (93-67-6)		X							
19. Benzene (a) (71-43-2)		X							
20. Benzene (a) (71-43-2)		X							
21. 2,4-Benzene-dicarboxylic acid (207-26-9)		X							
22. Benzene (a) (71-43-2)		X							
23. Benzene (a) (71-43-2)		X							
24. Benzene (a) (71-43-2)		X							
25. Bis (2-Chlorophenyl) Methane (111-61-1)		X							
26. Bis (2-Chlorophenyl) Ether (111-44-4)		X							
27. Bis (2-Chlorophenyl) Ether (20638-32-6)		X							
28. Bis (2-Ethylhexyl) Phthalate (117-81-7)		X							
29. 4-Bromo-phenyl Phenyl Ether (101-83-3)		X							
30. Butyl Benzyl Phthalate (98-68-7)		X							
31. 2-Chloronaphthalene (91-66-7)		X							
32. 4-Chlorophenyl Phenyl Ether (2008-72-3)		X							
33. Chrysenes (219-61-0)		X							
34. DBP (a, k) Anthracene (83-70-8)		X							
35. 1,2-Dichlorobenzene (95-40-1)		X							
36. 1,2-Dichlorobenzene (95-40-1)		X							

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. LONG TERM AVERAGE VALUE		6. NO. OF ANAL. YSES	7. CONCENTRATION	8. MABP	9. LONG TERM AVERAGE VALUE (if same as TRAINER)	10. NO. OF ANAL. YSES
	11. CAS NO. (if available)	12. CAS NO. (if available)	13. (i) concentration	14. (ii) mass	15. (i) concentration	16. (ii) mass	17. (i) concentration	18. (ii) mass					
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>													
228. 1,4-Dichlorobenzene (108-46-7)		X											
238. 2,3-Dichlorobenzidine (91-05-1)		X											
348. Diethyl Phthalate (84-66-2)		X											
258. Dimethyl Phthalate (131-11-3)		X											
268. Di-N-Butyl Phthalate (84-74-2)		X											
278. 2,4-Dinitrotoluene (121-14-2)		X											
288. 2,6-Dinitrotoluene (908-20-2)		X											
298. Di-N-Octyl Phthalate (117-84-0)		X											
308. 1,2-Dibenzylhydrazine (as Azobenzene) (122-66-7)		X											
318. Fluoranthene (206-44-0)		X											
328. Fluorene (86-73-7)		X											
338. Hexachlorobenzene (118-71-1)		X											
348. Hexachlorobutadiene (87-68-3)		X											
358. Hexachlorocyclopentadiene (177-47-4)		X											
368. Hexachloroethane (67-72-1)		X											
378. Indeno (1,2,3-cd) Pyrene (193-39-6)		X											
388. Isophorone (78-69-1)		X											
398. Naphthalene (91-20-3)		X											
408. Nitrobenzene (98-96-3)		X											
418. N-Nitrosodimethylamine (52-75-9)		X											
428. N-Nitrosodi-N-Propylamine (621-64-7)		X											



CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	MARK 'X'		3. EFFLUENT		4. UNITS		5. INT. (up/down)		6. NO. OF ANAL. VSES
	5. SEC. CONC. AS SERVED	6. MAXIMUM DAILY VALUE (a) MASS (b) CONCENTRATION	7. MAXIMUM 30 DAY VALUE (a) CONCENTRATION (b) MASS	8. CONCENTRATION	9. MASS	10. LONG TERM AVERAGE VALUE (a) CONCENTRATION (b) MASS	11. AVERAGE VALUE (a) CONCENTRATION (b) MASS		
<b>OCES FRACTION -- BASE/NEUTRAL COMPOUNDS (continued)</b>									
130. N-Nitro-2,4-dichlorobenzene (100-29-6)	X								
145. Phosalone (50-61-0)	X								
150. Pyreth (1120-00-8)	X								
155. 1,3,4,7-tetrahydro-2H-1,4-benzodioxepin (120-03-1)	X								
<b>OCES FRACTION -- PESTICIDES</b>									
1P. Aldrin (100-00-3)	X								
2P. D-DHC (119-00-6)	X								
3P. β-DHC (116-00-7)	X								
4P. γ-DHC (80-00-0)	X								
5P. δ-DHC (119-00-8)	X								
6P. Chlordane (67-74-9)	X								
7P. 4,4'-DDT (60-20-3)	X								
8P. 4,4'-DDE (75-30-9)	X								
9P. 4,4'-DDD (75-54-8)	X								
10P. Dieldrin (60-57-1)	X								
11P. D-Endosulfan (118-28-7)	X								
12P. β-Endosulfan (118-28-7)	X								
13P. Endosulfan Sulfate (1031-07-8)	X								
14P. Endrin (72-20-8)	X								
15P. Endrin Alcohol (7431-03-4)	X								
16P. Heptachlor (76-64-6)	X								

CONTINUE ON PAGE V-9

PAGE V-6

EPA Form 3610-2C (6-80)

EPA I.D. NUMBER (copy from Item 1 of Form 1) NJ0025411

OUTFALL NUMBER 461A

Form Approved OMB No. 155-R0173

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A TEST NO. OR QUIP. NO.	B. DE- LIVER- SENT	C. DE- ALIVE AS- SENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANAL- YSES	A. CONCENTRATION	B. MASS	E. LONG TERM AVERAGE VALUE		D. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
OCRES FRACTION -- PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (83489-21-8)			X												
19P. PCB-1264 (11087-89-1)			X												
20P. PCB-1221 (11184-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12872-29-6)			X												
23P. PCB-1280 (11086-83-5)			X												
24P. PCB-1016 (12874-11-3)			X												
25P. Tetrachloro (8001-80-2)			X												

BASES FOR NET LIMITATIONS FOR DSN 461A  
(COOLING TOWER BLOWDOWN)

Non-contact cooling water for the Hope Creek Generating Station is taken from the Delaware River. It is drawn into the service water system and is subsequently used in the circulating water system. The only treatment this water receives is removal of excess heat through evaporative cooling in a counter-flow cooling tower. In this process, ambient pollutants can be concentrated to a maximum of approximately two times their original value. Cold side blowdown at this concentration is discharged directly to the Delaware River. The only chemical additions to the cooling water result from pH adjustment with sulfuric acid (as needed to prevent scaling) and chlorination (with sodium hypochlorite) and dechlorination (with sulfur dioxide).

The table below provides data on Delaware River water quality pollutants, their maximum values after concentration in the HCGS cooling tower and projected net contributions (maximums) arising from station operation.

AMBIENT AND STATION CONTRIBUTIONS TO  
MAXIMUM DAILY POLLUTANT LEVELS IN COOLING  
TOWER BLOWDOWN (CTB)

Pollutant	AMBIENT CONDITIONS Natural Pollutant in River Water Entering Cooling Tower		Natural Pollutant After Concentration in Cooling Tower <sup>(3)</sup>		GROSS RELEASE Natural Pollutant + Station Concentration in CTB		NET RELEASE Station Contribution to CTB	
	mg/l <sup>(1)</sup>	Kg <sup>(2)</sup>	mg/l	Kg	mg/l	Kg	mg/l	Kg
BOD	9.0	4,955	16.7	4,955	NA	NA	NA	NA
COD	353.3	193,940	653.6	193,940	NA	NA	NA	NA
TSS	222	121,950	411	121,950	511	151,620	100	29,670
Ammonia (as N)	1.67	757	2.55	757	NA	NA	NA	NA
Sulfate (as SO <sub>4</sub> )	898	492,852	1,661	492,852	1,937	498,849	276	5,997
Iron	5.8	3,175	10.7	3,175	11.7	3,472	1.0	297
Copper	0.13	72	0.24	72	0.44	131	0.2	59

NOTE: Delaware River Water is used as non-contact water at Hope Creek.  
NA = Not Available

- <sup>1</sup> Maximum concentrations are based on 90th percentile values from Delaware River Water quality surveys (1968-1980).
- <sup>2</sup> All mass values are based on maximum flow (54,440 gpm) times maximum concentration.
- <sup>3</sup> Pollutants are concentrated a maximum of 1.85 times their original value in the Hope Creek Cooling Tower.

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

I. POLLUTANT	2. EFFLUENT						D. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		E. NO. OF ANALYSES
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	5. LONG TERM AVERAGE VALUE		
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
b. Chemical Oxygen Demand (COD)	NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
c. Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
d. Total Suspended Solids (TSS)	NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
e. Ammonia (as N)	NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
f. Flow	VALUE 0.289		VALUE NA		VALUE 0.01		*-1	million gallons per day	VALUE NA		NA	NA
g. Temperature (winter)	VALUE 26.7		VALUE NA		VALUE NA		*-1	°C	VALUE NA		NA	NA
h. Temperature (summer)	VALUE 35.0		VALUE NA		VALUE NA		*-1	°C	VALUE NA		NA	NA
i. pH	MINIMUM 6.0	MAXIMUM 9.0	MINIMUM NA	MAXIMUM NA	X		*-1	STANDARD UNITS	X			

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

I. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						D. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		E. NO. OF ANALYSES
	a. PRESENT	b. ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	5. LONG TERM AVERAGE VALUE		
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959 67 9)		X												
b. Chlorine, Total Residual		X												
c. Color	X		NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
d. Fecal Coliform		X												
e. Fluoride (16984 48 8)		X												
f. Nitrate-Nitrite (as N)		X												



NJ0025411

461B

CONTINUED FROM PAGE 3 OF FORM 2 C

**PART C** - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe to be absent. If you mark either columns 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. LISTED TOXIC SUBSTANCES	B. REGULATED POLLUTANTS	C. OTHER TOXIC SUBSTANCES	4. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		E. LONG TERM AVG. VALUE (if available)		F. NO. OF ANALYSES	G. CONCENTRATION	H. MASS	I. LONG TERM AVERAGE VALUE		J. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440 36 0)	X									*-2A					
2M. Arsenic, Total (7440 38 2)	X									*-2A					
3M. Beryllium, Total (7440 41 7)	X									*-2A					
4M. Cadmium, Total (7440 43 9)	X									*-2A					
6M. Chromium, Total (7440 47 3)	X									*-2A					
6M. Copper, Total (7550 50 8)	X									*-2A					
7M. Lead, Total (7439 92 1)	X									*-2A					
8M. Mercury, Total (7439 97 6)	X									*-2A					
9M. Nickel, Total (7440 02 0)	X									*-2A					
10M. Selenium, Total (7782 49 2)	X									*-2A					
11M. Silver, Total (7440 22 4)	X									*-2A					
12M. Thallium, Total (7440 28 0)	X									*-2A					
13M. Zinc, Total (7440 66 6)	X									*-2A					
14M. Cyanide, Total (57 12 5)	X									*-2A					
15M. Phenols, Total	X									*-2A					
<b>DIOXIN</b>															
2,3,7,8 Tetra chlorodibenzo P Dioxin (176 4 01 6)				DESCRIBE RESULTS											

CONTINUE ON REVERSE

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'A'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)				
	A. ANAL. EQUIP. USE	B. RE. VOL. PER. SENT	C. RE. LEVELS AD. SENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVRG. VALUE (if available)		E. NO. OF ANAL. YSES	B. CONCEN. TRATION	D. MASS	F. LONG TERM AVERAGE VALUE		G. NO. OF ANAL. YSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>																
1V. Acrolein (107-02-8)	X															
2V. Acrylonitrile (107-13-1)	X															
3V. Benzene (71-43-2)	X															
4V. Bis (Chloromethyl) Ether (642-88-1)	X															
5V. Bromoform (75-26-2)	X															
6V. Carbon Tetrachloride (66-23-8)	X															
7V. Chlorobenzene (106-90-7)	X															
8V. Chloro-dibromomethane (124-48-1)	X															
9V. Chloroethane (75-00-3)	X															
10V. 2 Chloroethylvinyl Ether (110-75-8)	X															
11V. Chloroform (67-68-3)	X															
12V. Dichlorobromomethane (75-27-4)	X															
13V. Dichlorodifluoromethane (75-71-8)	X															
14V. 1,1 Dichloroethane (75-34-3)	X															
15V. 1,2 Dichloroethane (107-06-2)	X															
16V. 1,1 Dichloroethylene (75-36-4)	X															
17V. 1,2 Dichloropropane (78-87-5)	X															
18V. 1,3 Dichloropropane (542-75-8)	X															
19V. Ethylbenzene (100-41-4)	X															
20V. Methyl Bromide (74-83-9)	X															
21V. Methyl Chloride (74-87-3)	X															



CONTINUED FROM

GE V-4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. STATE INCL. OR EXCL.	B. SS LIMBS PER CENT	C. SS LIMBS PER CENT	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANAL- YSES	E. CONCENTRATION	F. MASS	G. LONG TERM AVERAGE VALUE		H. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X														*-2A
23V. 1,1,2,2-Tetrachloroethane (79-34-6)	X														*-2A
24V. Tetrachloroethylene (127-18-4)	X														*-2A
25V. Toluene (108-88-3)	X														*-2A
26V. 1,2-Dichloroethylene (115-60-5)	X														*-2A
27V. 1,1,1-Trichloroethane (71-55-6)	X														*-2A
28V. 1,1,2-Trichloroethane (79-00-5)	X														*-2A
29V. Trichloroethylene (79-01-6)	X														*-2A
30V. Trichlorofluoromethane (75-69-4)	X														*-2A
31V. Vinyl Chloride (75-01-4)	X														*-2A
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-67-8)	X														*-2A
2A. 2,4-Dichlorophenol (120-83-2)	X														*-2A
3A. 2,4-Dimethylphenol (106-67-9)	X														*-2A
4A. 4,6-Dinitro-Cresol (534-62-1)	X														*-2A
5A. 2,4-Dinitrophenol (51-28-5)	X														*-2A
6A. 2-Nitrophenol (88-75-6)	X														*-2A
7A. 4-Nitrophenol (100-02-7)	X														*-2A
8A. P-Chloro-M-Cresol (59-50-7)	X														*-2A
9A. Pentachlorophenol (87-86-5)	X														*-2A
10A. Phenol (108-95-2)	X														*-2A
11A. 2,4,6-Trichlorophenol (58-06-2)	X														*-2A

1. POLLUTANT NUMBER AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. NO. OF ANAL. USES		6. CONCEN- TRATION	7. MASS	8. LOP. AVERAGE VALUE (1) concen- tration	9. KE (optional)
	h. no. in- stant	c. no. in- stant	a. max. concen- tration	b. max. daily value	(1) concen- tration	(2) mass	(1) concen- tration	(2) mass				
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS												
16. Acenaphthene (83-32-9)	X											
26. Acenaphthylene (208-96-8)	X											
38. Anthracene (120-12-7)	X											
48. Benzidine (92-87-8)	X											
68. Benzo (a) Anthracene (96-53-3)	X											
68. Benzo (a) Pyrene (50-32-8)	X											
78. 3,4-Benzo- fluoranthene (205-99-2)	X											
88. Benzo (ghi) Perylene (191-24-2)	X											
98. Benzo (h) Fluoranthene (207-08-9)	X											
108. Bis (2 Chloro- ethoxy) Methane (111-91-1)	X											
118. Bis (2 Chloro- ethyl) Ether (111-44-4)	X											
128. Bis (2 Chloro- isopropyl) Ether (39838-32-9)	X											
138. Bis (2 N-hexyl- heptyl) Phthalate (117-81-7)	X											
148. 4 Bromo- phenyl Phenyl Ether (101-66-3)	X											
168. Butyl Benzyl Phthalate (80-66-7)	X											
168. 2-Chloro- naphthalene (91-66-7)	X											
178. 4-Chloro- phenyl Phenyl Ether (7006-72-3)	X											
188. Chrysenes (218-01-9)	X											
198. Dibenzo (a,h) Anthracene (83-70-3)	X											
208. 1,2-Dichloro- benzene (96-50-1)	X											
218. 1,3-Dichloro- benzene (841-73-1)	X											

1. POLLUTANT AND CAS NUMBER (if available)	2. MAX. A. (if available)		3. EFFLUENT		4. UNITS		5. INTAKE (optional)		6. NO. OF ANAL. VSES
	4. 15.00	10.00	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>									
228. 1,4 Dichlorobenzene (106-46-7)	X								*-2A
238. 3,3'-Dichlorobenzidine (91-94-1)	X								*-2A
248. Diethyl Phthalate (84-66-2)	X								*-2A
268. Dimethyl Phthalate (131-11-3)	X								*-2A
268. Di-N-Butyl Phthalate (84-74-2)	X								*-2A
278. 2,4 Dinitrotoluene (121-14-2)	X								*-2A
288. 2,6 Dinitrotoluene (606-20-2)	X								*-2A
298. Di-N-Octyl Phthalate (117-84-0)	X								*-2A
308. 1,2-Diphenylhydrazine (as Ar-Bz-Benzene) (122-66-7)	X								*-2A
318. Fluoranthene (206-44-0)	X								*-2A
328. Fluorene (86-73-7)	X								*-2A
338. Hexachlorobenzene (118-71-1)	X								*-2A
348. Hexachlorobutadiene (87-68-3)	X								*-2A
358. Hexachlorocyclopentadiene (177-47-4)	X								*-2A
368. Hexachloroethane (67-72-1)	X								*-2A
378. Indeno (1,2,3-cd) Pyrene (153-59-5)	X								*-2A
388. Isophorone (18-69-1)	X								*-2A
398. Isophthalene (91-20-3)	X								*-2A
408. Nitrobenzene (98-95-3)	X								*-2A
418. N Nitro-N,N-dimethylamine (62-76-9)	X								*-2A
428. N Nitrosodi-N-Propylamine (11-21-67)	X								*-2A

CONTINUED FROM THE FRONT

1. POLLUTANT NUMBER (if available)	2. MARK 'X' (if available)		3. EFFLUENT		4. UNITS		5. KE (if optimal)		6. NO OF ANAL YSES
	NO. OF ANAL YSES	CONC. (if available)	CONCENTRATION	(i) MASS	CONCENTRATION	(i) MASS	CONCENTRATION	(i) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>									
43B. N-Nitro-2,6-diphenylamine (86-30-8)	X								*-2A
44B. Phenanthrene (89-01-8)	X								*-2A
46A. Pyrene (129-00-0)	X								*-2A
48B. 1,2,4-Trichlorobenzene (120-82-1)	X								*-2A
<b>GC/MS FRACTION - PESTICIDES</b>									
1P. Aldrin (309-00-2)		X							
2P. D-DHC (319-84-8)		X							
3P. $\beta$ -BHC (319-88-7)		X							
4P. $\gamma$ -BHC (96-89-9)		X							
8P. $\delta$ -BHC (319-88-8)		X							
8P. Chlordane (87-74-9)		X							
7P. 4,4'-DDT (80-28-3)		X							
8P. 4,4'-DDE (72-88-9)		X							
8P. 4,4'-DDD (72-84-8)		X							
10P. Dieldrin (80-87-1)		X							
11P. $\alpha$ -Endosulfan (116-29-7)		X							
12P. $\beta$ -Endosulfan (115-29-7)		X							
13P. Endosulfan Sulfate (1031-07-8)		X							
14P. Endrin (72-20-8)		X							
15P. Endrin Aldehyde (7421-93-4)		X							
16P. Heptachlor (78-44-8)		X							

EPA I.D. NUMBER (copy from Item 1 of Form 1) **NJ0025411**      OUTFALL NUMBER **461B**

Form Approved OMB No. 158-R0173

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. FURTHER INVESTIGATION REQUIRED	B. NO. OF LIVES AFFECTED	C. NO. OF LIVES AFFECTED	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANALYSES	E. CONCENTRATION	F. MASS	G. LONG TERM AVERAGE VALUE		H. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-87-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11087-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-18-8)			X												
22P. PCB-1248 (12872-29-6)			X												
23P. PCB-1260 (11088-82-6)			X												
24P. PCB-1018 (12874-11-2)			X												
25P. Toxaphene (8001-36-2)			X												

NJ0025411

Low Volu Waste  
Water System  
(non-process)

Form Approved OMB No. 155-R0173

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

OUTFALL  
461C

## V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	NA	NA	NA	NA	NA	NA	*-2	mg/L	Kg	NA	NA	NA
b. Chemical Oxygen Demand (COD)	NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
c. Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
d. Total Suspended Solids (TSS)	100	41.6	NA	NA	NA	NA	*-1	mg/L	Kg	NA	NA	NA
e. Ammonia (as N)	0.12	0.03	NA	NA	NA	NA	*-1	mg/L	Kg	NA	NA	NA
f. Flow	VALUE 0.11 mgd		VALUE NA		VALUE 0.05		*-1	million gallons/day		VALUE NA		NA
g. Temperature (winter)	VALUE Ambient		VALUE NA		VALUE Ambient		*-1	°C		VALUE NA		NA
h. Temperature (summer)	VALUE Ambient		VALUE NA		VALUE Ambient		*-1	°C		VALUE NA		NA
i. pH	MINIMUM 6.0	MAXIMUM 9.0	MINIMUM NA	MAXIMUM NA	X		*-1	STANDARD UNITS		X		NA

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. PRESENT	b. ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959 67 9)		X												
b. Chlorine, Total Residual		X												
c. Color	X		NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
d. Fecal Coliform		X												
e. Fluoride (10084 48 9)	X											X		
f. Nitrate-Nitrite (as N)	X											X		

ITEM V B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2 MARK 'X'		3. EFFLUENT				4. UNITS			5. INTAKE (estimated)		NO. OF ANAL. VLS
	a. as issued	b. as spent	D. MAXIMUM DAILY VALUE		E. LONG TERM AVG. VALUE (if available)		C. CONCENTRATION	L. MASS	A. LONG TERM VALUE			
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			(1) CONCENTRATION	(2) MASS		
B. Nitrogen, Total Organic (as N)	X											
C. Oil and Grease			10	4.2	NA	NA	NA	mg/L	Kg	NA	NA	NA
D. Phosphorus (as P), Total (7723-14-0)	X											
J. Radioactivity												
(1) Alpha, Total		X										
(2) Beta, Total		X										
(3) Radium, Total		X										
(4) Radium 226, Total		X										
k. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	X											X
l. Sulfide (as S)		X										
m. Sulfite (as SO <sub>3</sub> ) (14265-46-3)		X										
n. Surfactants		X										
o. Aluminum, Total (7429-90-8)		X										
p. Barium, Total (7440-39-3)		X										X
q. Boron, Total (7440-42-8)		X										
r. Cobalt, Total (7440-48-4)		X										
s. Iron, Total (7439-89-6)		X	1.0	0.42	NA	NA	NA	mg/L	Kg	NA	NA	NA
t. Magnesium, Total (7439-95-4)		X										X
u. Molybdenum, Total (7439-98-7)		X										
v. Manganese, Total (7439-96-8)		X										X
w. Tin, Total (7440-31-8)		X										
x. Titanium, Total												

**NJ0025411**

**461-C**

CONTINUED FROM PAGE 3 OF FORM 2-C

**PART C** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe to be absent. If you mark either columns 2-a or 2-b for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT				4. UNITS		5. INTAKE (optional)					
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Arsenic, Total (7440-38-0)			X												
2M. Barium, Total (7440-39-2)		X											X		
3M. Cadmium, Total (7440-41-7)			X												
4M. Chromium, Total (7440-43-9)		X											X		
5M. Cobalt, Total (7440-47-3)		X											X		
6M. Copper, Total (7440-50-9)		X		0.2	0.08	NA	NA	NA	NA	*-1	mg/L	Kg	NA	NA	NA
7M. Lead, Total (7439-92-1)		X											X		
8M. Manganese, Total (7439-96-5)		X											X		
9M. Mercury, Total (7440-02-0)			X												
10M. Nickel, Total (7440-01-5)		X											X		
11M. Silver, Total (7440-06-1)			X												
12M. Vanadium, Total (7440-08-1)			X												
13M. Zinc, Total (7440-66-0)			X												
14M. Cyanide, Total (59-09-6)			X												
15M. Phenols, Total (70-03-2)			X												
16M. Other Metals, Total (7440-00-0)			X												
17M. Other Cyanides, Total (7440-00-0)			X												
18M. Other Phenols, Total (70-03-2)			X												
19M. Other Pollutants, Total (7440-00-0)			X												
20M. Other Pollutants, Total (7440-00-0)			X												
21M. Other Pollutants, Total (7440-00-0)			X												
22M. Other Pollutants, Total (7440-00-0)			X												
23M. Other Pollutants, Total (7440-00-0)			X												
24M. Other Pollutants, Total (7440-00-0)			X												
25M. Other Pollutants, Total (7440-00-0)			X												
26M. Other Pollutants, Total (7440-00-0)			X												
27M. Other Pollutants, Total (7440-00-0)			X												
28M. Other Pollutants, Total (7440-00-0)			X												
29M. Other Pollutants, Total (7440-00-0)			X												
30M. Other Pollutants, Total (7440-00-0)			X												
31M. Other Pollutants, Total (7440-00-0)			X												
32M. Other Pollutants, Total (7440-00-0)			X												
33M. Other Pollutants, Total (7440-00-0)			X												
34M. Other Pollutants, Total (7440-00-0)			X												
35M. Other Pollutants, Total (7440-00-0)			X												
36M. Other Pollutants, Total (7440-00-0)			X												
37M. Other Pollutants, Total (7440-00-0)			X												
38M. Other Pollutants, Total (7440-00-0)			X												
39M. Other Pollutants, Total (7440-00-0)			X												
40M. Other Pollutants, Total (7440-00-0)			X												
41M. Other Pollutants, Total (7440-00-0)			X												
42M. Other Pollutants, Total (7440-00-0)			X												
43M. Other Pollutants, Total (7440-00-0)			X												
44M. Other Pollutants, Total (7440-00-0)			X												
45M. Other Pollutants, Total (7440-00-0)			X												
46M. Other Pollutants, Total (7440-00-0)			X												
47M. Other Pollutants, Total (7440-00-0)			X												
48M. Other Pollutants, Total (7440-00-0)			X												
49M. Other Pollutants, Total (7440-00-0)			X												
50M. Other Pollutants, Total (7440-00-0)			X												
51M. Other Pollutants, Total (7440-00-0)			X												
52M. Other Pollutants, Total (7440-00-0)			X												
53M. Other Pollutants, Total (7440-00-0)			X												
54M. Other Pollutants, Total (7440-00-0)			X												
55M. Other Pollutants, Total (7440-00-0)			X												
56M. Other Pollutants, Total (7440-00-0)			X												
57M. Other Pollutants, Total (7440-00-0)			X												
58M. Other Pollutants, Total (7440-00-0)			X												
59M. Other Pollutants, Total (7440-00-0)			X												
60M. Other Pollutants, Total (7440-00-0)			X												
61M. Other Pollutants, Total (7440-00-0)			X												
62M. Other Pollutants, Total (7440-00-0)			X												
63M. Other Pollutants, Total (7440-00-0)			X												
64M. Other Pollutants, Total (7440-00-0)			X												
65M. Other Pollutants, Total (7440-00-0)			X												
66M. Other Pollutants, Total (7440-00-0)			X												
67M. Other Pollutants, Total (7440-00-0)			X												
68M. Other Pollutants, Total (7440-00-0)			X												
69M. Other Pollutants, Total (7440-00-0)			X												
70M. Other Pollutants, Total (7440-00-0)			X												
71M. Other Pollutants, Total (7440-00-0)			X												
72M. Other Pollutants, Total (7440-00-0)			X												
73M. Other Pollutants, Total (7440-00-0)			X												
74M. Other Pollutants, Total (7440-00-0)			X												
75M. Other Pollutants, Total (7440-00-0)			X												
76M. Other Pollutants, Total (7440-00-0)			X												
77M. Other Pollutants, Total (7440-00-0)			X												
78M. Other Pollutants, Total (7440-00-0)			X												
79M. Other Pollutants, Total (7440-00-0)			X												
80M. Other Pollutants, Total (7440-00-0)			X												
81M. Other Pollutants, Total (7440-00-0)			X												
82M. Other Pollutants, Total (7440-00-0)			X												
83M. Other Pollutants, Total (7440-00-0)			X												
84M. Other Pollutants, Total (7440-00-0)			X												
85M. Other Pollutants, Total (7440-00-0)			X												
86M. Other Pollutants, Total (7440-00-0)			X												
87M. Other Pollutants, Total (7440-00-0)			X												
88M. Other Pollutants, Total (7440-00-0)			X												
89M. Other Pollutants, Total (7440-00-0)			X												
90M. Other Pollutants, Total (7440-00-0)			X												
91M. Other Pollutants, Total (7440-00-0)			X												
92M. Other Pollutants, Total (7440-00-0)			X												
93M. Other Pollutants, Total (7440-00-0)			X												
94M. Other Pollutants, Total (7440-00-0)			X												
95M. Other Pollutants, Total (7440-00-0)			X												
96M. Other Pollutants, Total (7440-00-0)			X												
97M. Other Pollutants, Total (7440-00-0)			X												
98M. Other Pollutants, Total (7440-00-0)			X												
99M. Other Pollutants, Total (7440-00-0)			X												
100M. Other Pollutants, Total (7440-00-0)			X												



1. POLLUTANT AND CAS NUMBER (if available)	MARK 'A'		3. EFFLUENT		4. UNITS		5. INT. (original)	
	a. TEST METHOD (if available)	b. NO. OF SAMPLES	B. MAXIMUM DAILY VALUE		C. CONCENTRATION	D. MASS	D. LONG TERM AVERAGE VALUE	
			(i) CONCENTRATION	(ii) MASS			(i) CONCENTRATION	(ii) MASS
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>								
1V. Acrolein (107-69-6)		X						
2V. Acrylonitrile (107-13-1)		X						
3V. Benzene (71-43-2)		X						
4V. Bis (Chloromethyl) Ether (52-68-1)		X						
5V. Bromobenzene (78-35-2)		X						
6V. Carbon Tetrachloride (56-23-5)		X						
7V. Chlorobenzene (108-90-7)		X						
8V. Chlorodibromomethane (124-48-1)		X						
9V. Chloroethane (78-60-3)		X						
10V. 2-Chloroethylmethyl Ether (115-78-5)		X						
11V. Chloroform (67-66-3)		X						
12V. Dichlorobromomethane (78-37-4)		X						
13V. Dichlorodifluoromethane (78-71-8)		X						
14V. 1,1-Dichloroethane (78-34-3)		X						
15V. 1,2-Dichloroethane (107-06-2)		X						
16V. 1,1-Dichloroethylene (78-38-4)		X						
17V. 1,2-Dichloropropane (78-27-4)		X						
18V. 1,3-Dichloropropane (842-78-5)		X						
19V. Ethylbenzene (100-41-4)		X						
20V. Methyl Bromide (74-83-6)		X						
21V. Methyl Chloride (74-87-3)		X						

1. POLLUTANT AND GAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
	test results available	test results not available	(i) concentration	(ii) mass	A. CONCENTRATION	B. MASS	A. LONG TERM AVERAGE VALUE (i) concentration (ii) mass	B. NO. OF ANAL. VES
<b>GC-MS FRACTION - VOLATILE COMPOUNDS (continued)</b>								
22V. Methylene Chloride (78-09-2)		X						
23V. 1,1,2,2-Tetrachloroethane (78-34-6)		X						
24V. Tetrachloroethylene (127-18-4)		X						
26V. Toluene (108-88-3)		X						
26V. 1,2-Trans-Dichloroethylene (156-60-8)		X						
27V. 1,1,1-Trichloroethane (71-55-6)		X						
28V. 1,1,2-Trichloroethane (79-00-5)		X						
29V. Trichloroethylene (79-01-6)		X						
30V. Trichlorofluoromethane (78-89-4)		X						
31V. Vinyl Chloride (75-01-4)		X						
<b>GC-MS FRACTION - ACID COMPOUNDS</b>								
1A. 2-Chlorophenol (98-87-8)		X						
2A. 2,4-Dichlorophenol (120-83-2)		X						
3A. 2,4-Dimethylphenol (105-67-6)		X						
4A. 4,6-Dinitro-O-Cresol (834-62-1)		X						
5A. 2,4-Dinitrophenol (81-28-5)		X						
6A. 2-Nitrophenol (88-78-6)		X						
7A. 4-Nitrophenol (100-02-7)		X						
8A. P-Chloro-M-Cresol (58-60-7)		X						
9A. Pentachlorophenol (87-86-6)		X						
10A. Phenol (108-95-2)		X						
11A. 2,4,6-Trichlorophenol (88-06-2)		X						

CONTINUED FROM THE FRONT

POLLUTANT AND CAS NUMBER (If available)	MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)		
	MT. DISCH. PER DAY	CONC. PER DAY	B. MAXIMUM DAILY VALUE (i) concentration (ii) mass	C. MAXIMUM 30 DAY VALUE (i) concentration (ii) mass	A. CONCENTRATION	B. MASS	(i) concentration (ii) mass	D. NO. OF ANAL. VESSES	
<b>CBS FRACTION - BASE/NEUTRAL COMPOUNDS</b>									
8. Acetophenone (23-32-6)		X							
9. Acenaphthylene (208-96-6)		X							
10. Anthracene (120-12-7)		X							
11. Benzofuran (202-07-6)		X							
12. Benzene (71-42-2)		X							
13. Benzene (a) Anthracene (208-96-6)		X							
14. Benzene (a) Anthracene (208-96-6)		X							
15. Benzene (a) Anthracene (208-96-6)		X							
16. Benzene (a) Anthracene (208-96-6)		X							
17. Benzene (a) Anthracene (208-96-6)		X							
18. Benzene (a) Anthracene (208-96-6)		X							
19. Benzene (a) Anthracene (208-96-6)		X							
20. Benzene (a) Anthracene (208-96-6)		X							
21. Benzene (a) Anthracene (208-96-6)		X							
22. Benzene (a) Anthracene (208-96-6)		X							
23. Benzene (a) Anthracene (208-96-6)		X							
24. Benzene (a) Anthracene (208-96-6)		X							
25. Benzene (a) Anthracene (208-96-6)		X							
26. Benzene (a) Anthracene (208-96-6)		X							
27. Benzene (a) Anthracene (208-96-6)		X							
28. Benzene (a) Anthracene (208-96-6)		X							
29. Benzene (a) Anthracene (208-96-6)		X							
30. Benzene (a) Anthracene (208-96-6)		X							
31. Benzene (a) Anthracene (208-96-6)		X							
32. Benzene (a) Anthracene (208-96-6)		X							
33. Benzene (a) Anthracene (208-96-6)		X							
34. Benzene (a) Anthracene (208-96-6)		X							
35. Benzene (a) Anthracene (208-96-6)		X							
36. Benzene (a) Anthracene (208-96-6)		X							
37. Benzene (a) Anthracene (208-96-6)		X							
38. Benzene (a) Anthracene (208-96-6)		X							
39. Benzene (a) Anthracene (208-96-6)		X							
40. Benzene (a) Anthracene (208-96-6)		X							
41. Benzene (a) Anthracene (208-96-6)		X							
42. Benzene (a) Anthracene (208-96-6)		X							
43. Benzene (a) Anthracene (208-96-6)		X							
44. Benzene (a) Anthracene (208-96-6)		X							
45. Benzene (a) Anthracene (208-96-6)		X							
46. Benzene (a) Anthracene (208-96-6)		X							
47. Benzene (a) Anthracene (208-96-6)		X							
48. Benzene (a) Anthracene (208-96-6)		X							
49. Benzene (a) Anthracene (208-96-6)		X							
50. Benzene (a) Anthracene (208-96-6)		X							
51. Benzene (a) Anthracene (208-96-6)		X							
52. Benzene (a) Anthracene (208-96-6)		X							
53. Benzene (a) Anthracene (208-96-6)		X							
54. Benzene (a) Anthracene (208-96-6)		X							
55. Benzene (a) Anthracene (208-96-6)		X							
56. Benzene (a) Anthracene (208-96-6)		X							
57. Benzene (a) Anthracene (208-96-6)		X							
58. Benzene (a) Anthracene (208-96-6)		X							
59. Benzene (a) Anthracene (208-96-6)		X							
60. Benzene (a) Anthracene (208-96-6)		X							
61. Benzene (a) Anthracene (208-96-6)		X							
62. Benzene (a) Anthracene (208-96-6)		X							
63. Benzene (a) Anthracene (208-96-6)		X							
64. Benzene (a) Anthracene (208-96-6)		X							
65. Benzene (a) Anthracene (208-96-6)		X							
66. Benzene (a) Anthracene (208-96-6)		X							
67. Benzene (a) Anthracene (208-96-6)		X							
68. Benzene (a) Anthracene (208-96-6)		X							
69. Benzene (a) Anthracene (208-96-6)		X							
70. Benzene (a) Anthracene (208-96-6)		X							
71. Benzene (a) Anthracene (208-96-6)		X							
72. Benzene (a) Anthracene (208-96-6)		X							
73. Benzene (a) Anthracene (208-96-6)		X							
74. Benzene (a) Anthracene (208-96-6)		X							
75. Benzene (a) Anthracene (208-96-6)		X							
76. Benzene (a) Anthracene (208-96-6)		X							
77. Benzene (a) Anthracene (208-96-6)		X							
78. Benzene (a) Anthracene (208-96-6)		X							
79. Benzene (a) Anthracene (208-96-6)		X							
80. Benzene (a) Anthracene (208-96-6)		X							
81. Benzene (a) Anthracene (208-96-6)		X							
82. Benzene (a) Anthracene (208-96-6)		X							
83. Benzene (a) Anthracene (208-96-6)		X							
84. Benzene (a) Anthracene (208-96-6)		X							
85. Benzene (a) Anthracene (208-96-6)		X							
86. Benzene (a) Anthracene (208-96-6)		X							
87. Benzene (a) Anthracene (208-96-6)		X							
88. Benzene (a) Anthracene (208-96-6)		X							
89. Benzene (a) Anthracene (208-96-6)		X							
90. Benzene (a) Anthracene (208-96-6)		X							
91. Benzene (a) Anthracene (208-96-6)		X							
92. Benzene (a) Anthracene (208-96-6)		X							
93. Benzene (a) Anthracene (208-96-6)		X							
94. Benzene (a) Anthracene (208-96-6)		X							
95. Benzene (a) Anthracene (208-96-6)		X							
96. Benzene (a) Anthracene (208-96-6)		X							
97. Benzene (a) Anthracene (208-96-6)		X							
98. Benzene (a) Anthracene (208-96-6)		X							
99. Benzene (a) Anthracene (208-96-6)		X							
100. Benzene (a) Anthracene (208-96-6)		X							

AGE V-6

CONTINUED FRL

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'A'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)		
	MAX. CONC. (ppm)	NO. OF ANAL. VES.	MAXIMUM DAILY VALUE (i) mass concentration	NO. OF ANAL. VES.	CONCENTRATION	MASS	LONG TERM AVERAGE VALUE (i) mass (ii) mass concentration	NO. OF ANAL. VES.	
<b>QC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>									
228. 1,4-Dichlorobenzene (106-46-7)		X							
238. 3,3'-Dichlorobenzidine (81-94-1)		X							
248. Diethyl Phthalate (84-66-2)		X							
268. Dimethyl Phthalate (131-11-3)		X							
288. Di-N-Butyl Phthalate (84-74-2)		X							
278. 2,4-Dinitrosoluene (121-14-2)		X							
288. 2,6-Dinitrosoluene (808-20-2)		X							
298. Di-N-Octyl Phthalate (117-84-9)		X							
308. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)		X							
318. Fluoranthene (208-44-0)		X							
328. Fluorene (86-73-7)		X							
338. Hexachlorobenzene (118-71-1)		X							
348. Hexachlorobutadiene (87-68-3)		X							
368. Hexachlorocyclopentadiene (77-47-4)		X							
368. Hexachloroethane (87-72-1)		X							
378. Indano (1,2,3-cd) Pyrene (193-38-6)		X							
388. Isophorone (78-68-1)		X							
398. Naphthalene (91-20-3)		X							
408. Nitrobenzene (98-95-3)		X							
418. N-Nitrosodimethylamine (62-76-9)		X							
428. N-Nitrosodimethylamine (62-76-9)		X							
428. N-Nitrosodimethylamine (62-76-9)		X							

CONTINUED FROM FRONT

POLLUTANT AND CAS NUMBER (if available)	MARK 'X'		3. EFFLUENT		4. UNITS		5. INITIAL (optional)		
	1. PRESENT IN SOURCE	2. PRESENT IN EFFLUENT	5. MAXIMUM DAILY VALUE (i) concentration (ii) mass	6. LONG TERM AVG. VALUE (i) concentration (ii) mass	7. CONCENTRATION	8. MASS	9. LONG TERM AVERAGE VALUE (i) concentration (ii) mass	10. NO. OF ANAL. YRS	
<b>CMS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>									
DB. N-nitro-diphenylamine (6-30-6)		X							
MS. Phosodibrene (6-01-6)		X							
MS. Pyrene (29-00-6)		X							
MS. 1,3,7-Tri-azabenzodiazepine (29-83-1)		X							
<b>CMS FRACTION - PESTICIDES</b>									
P. Aldrin (506-06-3)		X							
P. D-DHC (318-04-6)		X							
P. β-BHC (318-06-7)		X							
P. γ-BHC (52-85-0)		X							
P. β-BHC (318-06-8)		X							
P. Chlordane (87-74-0)		X							
P. 4,4'-DDE (80-26-3)		X							
P. 4,4'-DDE (72-89-6)		X							
P. 4,4'-DDD (72-84-8)		X							
DP. Dieldrin (60-87-1)		X							
11P. α-Endosulfan (118-28-7)		X							
12P. β-Endosulfan (118-28-7)		X							
13P. Endosulfan Sulfone (1031-07-8)		X							
14P. Endrin (72-20-6)		X							
15P. Endrin Aldeside (76-44-8)		X							
16P. Heptachlor (76-44-8)		X							

X

CONTINUE ON PAGE V-9

PAGE V-9

EPA Form 3610-2C (8-80)

EPA I.D. NUMBER (copy from Item 1 of Form 1) **NJ0025411**      OUTFALL NUMBER **461-C**

Form Approved OMB No. 158-R0173

CONTINUED FROM PAGE V-8

POLLUTANT AND CAS NUMBER (if available)	E. MARK 'A'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST OR ANALYSIS	B. DE-CONTAMINATED	C. DE-CONTAMINATED	6. MAXIMUM DAILY VALUE		7. MAXIMUM 30 DAY VALUE (if available)		8. LONG TERM AVG. VALUE (if available)		D. NO. OF ANALYSES	A. CONCENTRATION	B. MASS	9. LONG TERM AVERAGE VALUE		D. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>MS FRACTION - PESTICIDES (continued)</b>															
Heptachlor epoxide (24-67-3)			X												
PCB-1242 (499-21-9)			X												
PCB-1254 (997-99-1)			X												
PCB-1221 (104-28-2)			X												
PCB-1232 (141-18-6)			X												
PCB-1248 (872-29-6)			X												
PCB-1260 (996-62-6)			X												
PCB-1018 (874-11-3)			X												
Toxaphene (101-29-3)		X											X		

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.  
E INSTRUCTIONS.

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
b. Chemical Oxygen Demand (COD)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
c. Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
d. Total Suspended Solids (TSS)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
e. Ammonia (as N)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
f. Flow	VALUE 1.623		VALUE NA		VALUE 0.201		*-5	million gallons per day	VALUE NA	VALUE NA		NA
g. Temperature (winter)	VALUE Ambient		VALUE NA		VALUE Ambient		*-1	°C	VALUE NA		VALUE NA	
h. Temperature (summer)	VALUE Ambient		VALUE NA		VALUE Ambient		*-1	°C	VALUE NA		VALUE NA	
i. pH	MINIMUM NA	MAXIMUM NA	MINIMUM NA	MAXIMUM NA	X		*-4	STANDARD UNITS		X		

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. NO. OF ANALYSES	b. NO. OF ANALYSES	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959 67-9)		X							*-4					
b. Chlorine, Total Residual		X							*-4					
c. Color	X								*-4					
d. Fecal Coliform		X							*-4					
e. Fluoride (16004 48-8)		X							*-4					
f. Nitrate-Nitrite (as N)	X								*-4					

1. POLLUTANT AND CAS NO. (if available)	2. CAS NO. OF THE SUBSTANCE	3. EFFLUENT	4. UNITS						5. INT. (optional)					
			A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. CLC (if available)		D. NO. OF ANALYSES	E. CONCENTRATION	F. MASS	G. ADMS		H. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
h. Oil and Grease	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
i. Phosphorus as P, Total (723 14 0)	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
j. Radioactivity														
1) Alpha, Total	X													
2) Beta, Total	X													
3) Radium, Total	X													
4) Radium-226, Total	X													
Sulfate as SO <sub>4</sub> (140 02 79 0)	X													
Sulfide as S	X													
n. Sulfite as SO <sub>3</sub> (142 00 45 3)	X													
k. Surfactants														
Aluminum, total (142 0 90 5)	X													
Barium, total (144 0 39 3)	X													
Boron, total (144 0 42 8)	X													
Cobalt, total (144 0 41 4)	X													
Iron, Total (143 0 09 6)	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
Magnesium, total (143 0 96 4)	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
Molybdenum, total (143 0 98 7)	X													
Manganese, total (143 0 96 5)	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
Tin, Total (144 0 31 5)	X													
Titanium, total (144 0 32 6)	X													



NJ0025411

462A

Form Approved OMB No. 158-R0173

CONTINUED FROM PAGE 3 OF FORM 2-C

**PART C** - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe to be absent. If you mark either columns 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TOXIC METALS AND CYANIDE	b. NON-TOXIC METALS AND PHENOLS	c. OTHER POLLUTANTS	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO ANALYSES
				(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS				(i) concentration	(ii) mass	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M Arsenic, Total (7440 36 0)			X												
2M Arsenic, Total (7440 38 2)			X												
3M Beryllium, Total (7430 41 7)			X												
4M Cadmium, Total (7440 43 9)	X			NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
5M Chromium, Total (7440 47 3)			X												
6M Copper, Total (7550 50 8)	X			NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
7M Lead, Total (7439 92 1)	X			NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
8M Mercury, Total (7439 97 6)			X												
9M Nickel, Total (7440 02 0)	X			NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
10M Selenium, Total (7782 49 2)			X												
11M Silver, Total (7440 22 4)			X												
12M Thallium, Total (7440 28 0)			X												
13M Zinc, Total (7440 66 6)	X			NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
14M Cyanide, Total (77 12 6)			X												
15M Phenols, Total			X												
<b>DIOXIN</b>															
2,3,7,8 Tetrachlorodibenzo-p-dioxin (17-401 6)			X	DESCRIBE RESULTS											

1. POLLUTANT NAME AND CAS NUMBER	2. MARK 'A'	3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
		a. MAXIMUM DAILY VALUE CONCENTRATION	b. MAXIMUM 30 DAY VALUE CONCENTRATION	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (i) CONCENTRATION	b. NO. OF ANAL. VSIS
1. CHLORINE	X						
2. BROMINE	X						
3. IODINE	X						
4. FLUORINE	X						
5. CARBON TETRACHLORIDE	X						
6. CHLOROBENZENE	X						
7. BROMOBENZENE	X						
8. IODOBENZENE	X						
9. CHLORODIBENZENE	X						
10. BROMODIBENZENE	X						
11. IODODIBENZENE	X						
12. CHLOROTRIBENZENE	X						
13. BROMOTRIBENZENE	X						
14. IODOTRIBENZENE	X						
15. CHLOROTETRAHYDROBENZENE	X						
16. BROMOTETRAHYDROBENZENE	X						
17. IODOTETRAHYDROBENZENE	X						
18. CHLOROPENTACHLOROBENZENE	X						
19. BROMOPENTACHLOROBENZENE	X						
20. IODOPENTACHLOROBENZENE	X						
21. CHLOROHXYPHENYLENE	X						
22. BROMOHXYPHENYLENE	X						
23. IODOHXYPHENYLENE	X						
24. CHLORODIPHENYLENE	X						
25. BROMODIPHENYLENE	X						
26. IODODIPHENYLENE	X						
27. CHLOROTRIPHENYLENE	X						
28. BROMOTRIPHENYLENE	X						
29. IODOTRIPHENYLENE	X						
30. CHLOROTETRAHYDROBENZOPHENANTHRENE	X						
31. BROMOTETRAHYDROBENZOPHENANTHRENE	X						
32. IODOTETRAHYDROBENZOPHENANTHRENE	X						
33. CHLOROPHENANTHRENE	X						
34. BROMOPHENANTHRENE	X						
35. IODOPHENANTHRENE	X						
36. CHLOROPHENANTHRENE	X						
37. BROMOPHENANTHRENE	X						
38. IODOPHENANTHRENE	X						
39. CHLOROPHENANTHRENE	X						
40. BROMOPHENANTHRENE	X						
41. IODOPHENANTHRENE	X						
42. CHLOROPHENANTHRENE	X						
43. BROMOPHENANTHRENE	X						
44. IODOPHENANTHRENE	X						
45. CHLOROPHENANTHRENE	X						
46. BROMOPHENANTHRENE	X						
47. IODOPHENANTHRENE	X						
48. CHLOROPHENANTHRENE	X						
49. BROMOPHENANTHRENE	X						
50. IODOPHENANTHRENE	X						

1. POLLUTANT AND GAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optical)
	6. SS AND SOLIDS	7. COC. OILS AND GREASE	8. MAXIMUM DAILY VALUE (if concentration)	9. MAXIMUM DAILY VALUE (if mass)	10. CONCENTRATION	11. MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)							
			(i) concentration	(ii) mass	(i) concentration	(ii) mass	12. NO. OF ANAL. VES.
							13. LONG TERM AVERAGE VALUE (i) concentration (ii) mass
12V. Methylene Chloride (78-09-2)		X					
13V. 1,1,2,2-Tetrachloroethane (78-34-5)		X					
24V. Tetrachloroethylene (127-18-4)		X					
26V. Toluene (108-88-3)		X					
26V. 1,2-Dichloroethane (108-90-8)		X					
27V. 1,1,1-Trichloroethane (71-55-8)		X					
28V. 1,1,2-Trichloroethane (78-00-6)		X					
29V. Trichloroethylene (79-01-6)		X					
30V. Trichlorofluoromethane (78-68-4)		X					
31V. Vinyl Chloride (78-01-4)		X					
GC/MS FRACTION - ACID COMPOUNDS							
1A. 2-Chloropheno (86-87-8)		X					
2A. 2,4-Dichloropheno (120-83-2)		X					
3A. 2,4-Dimethylphenol (108-67-9)		X					
4A. 4,6-Dinitro-O-Cresol (834-83-1)		X					
5A. 2,4-Dinitrophenol (81-28-8)		X					
6A. 2-Nitrophenol (88-79-8)		X					
7A. 4-Nitrophenol (100-06-7)		X					
8A. P-Chloro-M-Cresol (59-80-7)		X					
9A. Pentachloropheno (87-86-8)		X					
10A. Phenol (108-88-9)		X					
11A. 2,4,6-Trichloropheno (88-06-2)		X					

POLLUTANT AND CAS NUMBER (if available)	CAS NO. (if available)	4. CARB X	3. EFFLUENT		2. FROM ANAL. VALUE (if available)		1. NO. OF ANAL. YRS		4. UNITS		3. INTAKE (total)	
			B. MAXIMUM DAILY VALUE (i) CONCENTRATION (ii) MASS	B. MAXIMUM 30 DAY VALUE (i) CONCENTRATION (ii) MASS	C. 10 YR AVERAGE VALUE (i) CONCENTRATION (ii) MASS	D. NO. OF ANAL. YRS	A. CONCENTRATION	B. MASS	5. LONG TERM AVERAGE VALUE (i) CONCENTRATION (ii) MASS	6. NO. OF ANAL. YRS		
<b>CBS FRACTION - BASE/NEUTRAL COMPOUNDS</b>												
1. Acetophenone (93-32-8)		X										
2. Acetophenone (93-32-8)		X										
3. Acetophenone (93-32-8)		X										
4. Acetophenone (93-32-8)		X										
5. Benzaldehyde (100-52-7)		X										
6. Benzaldehyde (100-52-7)		X										
7. Benzaldehyde (100-52-7)		X										
8. Benzaldehyde (100-52-7)		X										
9. Benzaldehyde (100-52-7)		X										
10. Benzaldehyde (100-52-7)		X										
11. Benzaldehyde (100-52-7)		X										
12. Benzaldehyde (100-52-7)		X										
13. Benzaldehyde (100-52-7)		X										
14. Benzaldehyde (100-52-7)		X										
15. Benzaldehyde (100-52-7)		X										
16. Benzaldehyde (100-52-7)		X										
17. Benzaldehyde (100-52-7)		X										
18. Benzaldehyde (100-52-7)		X										
19. Benzaldehyde (100-52-7)		X										
20. Benzaldehyde (100-52-7)		X										
21. Benzaldehyde (100-52-7)		X										
22. Benzaldehyde (100-52-7)		X										
23. Benzaldehyde (100-52-7)		X										
24. Benzaldehyde (100-52-7)		X										
25. Benzaldehyde (100-52-7)		X										
26. Benzaldehyde (100-52-7)		X										
27. Benzaldehyde (100-52-7)		X										
28. Benzaldehyde (100-52-7)		X										
29. Benzaldehyde (100-52-7)		X										
30. Benzaldehyde (100-52-7)		X										
31. Benzaldehyde (100-52-7)		X										
32. Benzaldehyde (100-52-7)		X										
33. Benzaldehyde (100-52-7)		X										
34. Benzaldehyde (100-52-7)		X										
35. Benzaldehyde (100-52-7)		X										
36. Benzaldehyde (100-52-7)		X										
37. Benzaldehyde (100-52-7)		X										
38. Benzaldehyde (100-52-7)		X										
39. Benzaldehyde (100-52-7)		X										
40. Benzaldehyde (100-52-7)		X										
41. Benzaldehyde (100-52-7)		X										
42. Benzaldehyde (100-52-7)		X										
43. Benzaldehyde (100-52-7)		X										
44. Benzaldehyde (100-52-7)		X										
45. Benzaldehyde (100-52-7)		X										
46. Benzaldehyde (100-52-7)		X										
47. Benzaldehyde (100-52-7)		X										
48. Benzaldehyde (100-52-7)		X										
49. Benzaldehyde (100-52-7)		X										
50. Benzaldehyde (100-52-7)		X										
51. Benzaldehyde (100-52-7)		X										
52. Benzaldehyde (100-52-7)		X										
53. Benzaldehyde (100-52-7)		X										
54. Benzaldehyde (100-52-7)		X										
55. Benzaldehyde (100-52-7)		X										
56. Benzaldehyde (100-52-7)		X										
57. Benzaldehyde (100-52-7)		X										
58. Benzaldehyde (100-52-7)		X										
59. Benzaldehyde (100-52-7)		X										
60. Benzaldehyde (100-52-7)		X										
61. Benzaldehyde (100-52-7)		X										
62. Benzaldehyde (100-52-7)		X										
63. Benzaldehyde (100-52-7)		X										
64. Benzaldehyde (100-52-7)		X										
65. Benzaldehyde (100-52-7)		X										
66. Benzaldehyde (100-52-7)		X										
67. Benzaldehyde (100-52-7)		X										
68. Benzaldehyde (100-52-7)		X										
69. Benzaldehyde (100-52-7)		X										
70. Benzaldehyde (100-52-7)		X										
71. Benzaldehyde (100-52-7)		X										
72. Benzaldehyde (100-52-7)		X										
73. Benzaldehyde (100-52-7)		X										
74. Benzaldehyde (100-52-7)		X										
75. Benzaldehyde (100-52-7)		X										
76. Benzaldehyde (100-52-7)		X										
77. Benzaldehyde (100-52-7)		X										
78. Benzaldehyde (100-52-7)		X										
79. Benzaldehyde (100-52-7)		X										
80. Benzaldehyde (100-52-7)		X										
81. Benzaldehyde (100-52-7)		X										
82. Benzaldehyde (100-52-7)		X										
83. Benzaldehyde (100-52-7)		X										
84. Benzaldehyde (100-52-7)		X										
85. Benzaldehyde (100-52-7)		X										
86. Benzaldehyde (100-52-7)		X										
87. Benzaldehyde (100-52-7)		X										
88. Benzaldehyde (100-52-7)		X										
89. Benzaldehyde (100-52-7)		X										
90. Benzaldehyde (100-52-7)		X										
91. Benzaldehyde (100-52-7)		X										
92. Benzaldehyde (100-52-7)		X										
93. Benzaldehyde (100-52-7)		X										
94. Benzaldehyde (100-52-7)		X										
95. Benzaldehyde (100-52-7)		X										
96. Benzaldehyde (100-52-7)		X										
97. Benzaldehyde (100-52-7)		X										
98. Benzaldehyde (100-52-7)		X										
99. Benzaldehyde (100-52-7)		X										
100. Benzaldehyde (100-52-7)		X										

EPA I.D. NUMBER (copy from Item 1 of F) NJ0025411 1) OUTFALL NUMBER 462A

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if applicable)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional) (%)	
	BASE/NEUTRAL COMPOUNDS	OTHER	MAXIMUM DAILY VALUE (mg/l)	MAXIMUM 30 DAY VALUE (mg/l)	CONCENTRATION	MASS	CONCENTRATION	AVERAGE VALUE
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)								
228. 1,4-Dichlorobenzene (106-46-7)		X						
238. 3,3'-Dichlorobenzidine (81-94-1)		X						
248. Diethyl Phthalate (84-66-2)		X						
268. Dimethyl Phthalate (131-11-3)		X						
288. Di-N-Butyl Phthalate (84-74-2)		X						
278. 2,4-Dinitrotoluene (121-14-2)		X						
288. 2,6-Dinitrotoluene (806-20-2)		X						
298. Di-N-Octyl Phthalate (117-84-0)		X						
308. 1,3-Diphenylhydrazine (as Azo-benzene) (122-66-7)		X						
318. Fluoranthene (206-44-0)		X						
328. Fluorene (86-73-7)		X						
338. Hexachlorobenzene (118-71-1)		X						
348. Hexachlorobutadiene (87-48-3)		X						
358. Hexachlorocyclopentadiene (77-47-4)		X						
368. Hexachloroethane (87-72-1)		X						
378. Indeno (1,2,3-cd) Pyrene (193-38-5)		X						
388. Isophorone (78-99-1)		X						
398. Naphthalene (91-20-3)		X						
408. Nitrobenzene (98-98-3)		X						
418. N-Nitrosodimethylamine (82-78-8)		X						
428. N-Nitrosodi-N-Propylamine (621-64-7)		X						

CONTINUE ON REVERSE

PAGE V-7

CONTINUED FRC  
IE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTA		6. NO. OF ANALYSES
	USE	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION		
OCMS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)									
436. 14-Nitro-2,6-dimethylbenzothiazole (128-30-4)									
444. Phosmet (68-61-4)	X								
445. Permethrin (126-65-6)	X								
446. 1,3-Dichloro-2,4,6-trinitrobenzene (120-82-1)	X								
OCMS FRACTION - PESTICIDES									
1P. Aldrin (309-20-3)									
2P. D-Dieldrin (319-24-3)									
3P. P-BHC (121-60-7)									
4P. D-DDE (103-88-1)									
5P. D-DDE (103-88-1)									
6P. D-DDE (103-88-1)									
7P. D-DDE (103-88-1)									
8P. D-DDE (103-88-1)									
9P. D-DDE (103-88-1)									
10P. Dieldrin (100-87-1)									
11P. Dieldrin (100-87-1)									
12P. Dieldrin (100-87-1)									
13P. Dieldrin (100-87-1)									
14P. Dieldrin (100-87-1)									
15P. Dieldrin (100-87-1)									
16P. Dieldrin (100-87-1)									
17P. Dieldrin (100-87-1)									
18P. Dieldrin (100-87-1)									
19P. Dieldrin (100-87-1)									
20P. Dieldrin (100-87-1)									

EPA I.D. NUMBER (copy from Item 1 of Form 1) **NJ0025411**      OUTFALL NUMBER **462A**

Form Approved OMB No. 158-R0113

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST METHOD	B. OPERATING PRESENT	C. OPERATING ASSENT	D. MAXIMUM DAILY VALUE		E. MAXIMUM 30 DAY VALUE (if available)		F. LONG TERM AVG. VALUE (if available)		G. NO. OF ANALYSES	H. CONCENTRATION	I. MASS	J. LONG TERM AVERAGE VALUE		K. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-87-3)			X												
18P. PCB-1272 (83480-21-0)			X												
18P. PCB-1284 (11097-09-1)			X												
20P. PCB-1221 (11042-26-2)			X												
21P. PCB-1232 (11141-16-6)			X												
22P. PCB-1240 (12672-26-0)			X												
23P. PCB-1260 (11066-22-4)			X												
24P. PCB-1016 (10074-11-3)			X												
25P. Dieldrin (0031-06-2)			X												

V. Intake and Effluent Characteristics-Outfall No.462B

Part A.

\*Maximum mass for sewage plant pollutants are estimated maximums; instantaneous maximums for flow and pollutant concentrations were used to calculate this value, but their simultaneous occurrence did not actually take place.



PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)  
 NJ0025411

Sewage Treatment System  
 (non-process)

Form Approved OMB No. 158-R0173

OUTFALL NO  
 462B

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
	(i) CONCENTRATION	(j) MASS	(i) CONCENTRATION	(j) MASS	(i) CONCENTRATION	(j) MASS				(i) CONCENTRATION	(j) MASS	
a. Biochemical Oxygen Demand (BOD)	33.0	8.7*	NA	NA	NA	NA	1	mg/L	Kg	NA	NA	NA
b. Chemical Oxygen Demand (COD)	80.0	21.1	NA	NA	NA	NA	*-6	mg/L	Kg	NA	NA	NA
c. Total Organic Carbon (TOC)	102.0	26.9	NA	NA	NA	NA	*-6	mg/L	Kg	NA	NA	NA
d. Total Suspended Solids (TSS)	38	10.0	29	1.7	NA	NA	1	mg/L	Kg	NA	NA	NA
e. Ammonia (as N)	28.8	7.6	NA	NA	NA	NA	*-6	mg/L	Kg	NA	NA	NA
f. Flow	VALUE 70,000		VALUE 50,700		VALUE NA		continuous	gallons per day		VALUE NA		NA
g. Temperature (winter)	VALUE Ambient		VALUE Ambient		VALUE NA		NA	°C		VALUE NA		NA
h. Temperature (summer)	VALUE Ambient		VALUE Ambient		VALUE NA		NA	°C		VALUE NA		NA
i. pH	MINIMUM 7.0	MAXIMUM 8.0	MINIMUM 7.2	MAXIMUM 7.9	X		1	STANDARD UNITS		X		

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
			(i) CONCENTRATION	(j) MASS	(i) CONCENTRATION	(j) MASS	(i) CONCENTRATION	(j) MASS				(i) CONCENTRATION	(j) MASS	
a. Bromide (24969-87-9)		X												
b. Chlorine, Total Residual	X		2.8	0.7	2.5	0.2	NA	NA	1	mg/L	Kg	NA	NA	NA
c. Color	X		195	NA	NA	NA	NA	NA	1	c.u.	NA	NA	NA	NA
d. Fecal Coliform	X		confluent growth	NA	NA	NA	NA	NA	1	colonies per 100ml	NA	NA	NA	NA
e. Fluoride (14698-4-48-8)	X		NA	NA	NA	NA	NA	NA	NA	NA	NA	X	NA	NA
f. Nitrate-Nitrite (as N)	X		55.0	14.5	NA	NA	NA	NA	1	mg/L	Kg	0.34	NA	1

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND GAS NO. (if available)	2. MARK 'X' a. DE-REGISTERED b. DE-REGISTERED		3. EFFLUENT						4. UNITS		5. INTAKE (optional)		
			a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE	
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS
g. Nitrogen, Total Organic (as N)	X		30.4	8.0	NA	NA	NA	NA	*-6	mg/L	Kg	NA	NA
h. Oil and Grease	X		12.8	3.4	NA	NA	NA	NA	*-6	mg/L	Kg	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		1.3	0.3	NA	NA	NA	NA	*-6	mg/L	Kg	0.78	NA
j. Radioactivity													
(1) Alpha, Total		X											
(2) Beta, Total		X											
(3) Radium, Total		X											
(4) Radium-226, Total		X											
k. Sulfate (as SO <sub>4</sub> ) (14808-79-9)	X		58.0	15.3	NA	NA	NA	NA	*-6	mg/L	Kg	1.4	NA
l. Sulfide (as S) (7446-08-6)	X		< 0.5	NA	NA	NA	NA	NA	*-6	mg/L	Kg	NA	NA
m. Sulfite (as SO <sub>3</sub> ) (14298-46-3)		X											
n. Sulfonate	X		0.9	0.2	NA	NA	NA	NA	*-6	mg/L	Kg	NA	NA
o. Aluminum, Total (7429-90-8)		X											
p. Barium, Total (7440-39-3)		X											
q. Boron, Total (7440-42-8)		X											
r. Cobalt, Total (7440-48-4)		X											
s. Iron, Total (7439-89-8)	X		NA	NA	NA	NA	NA	NA	NA	mg/L	Kg	1.2	NA
t. Magnesium, Total (7439-96-4)	X		2.13	0.6	NA	NA	NA	NA	NA	mg/L	Kg	11.5	NA
u. Molybdenum, Total (7439-96-7)		X											
v. Manganese, Total (7439-96-8)	X		< 0.5	NA	NA	NA	NA	NA	NA	mg/L	Kg	0.003	NA
w. Tin, Total (7440-31-8)		X											
x. Titanium, Total (7440-32-8)		X											

NJ0025411

462B

CONTINUED FROM PAGE 3 OF FORM 2-C

**PART C** - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe to be absent. If you mark either columns 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST ING. RE- QUIR. AM.	B. RE- SIVER PRE- SENT	C. RE- LIEVE- AB- SENT	E. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		G. NO. OF ANAL- YSES	A. CONCENTRATION	D. MASS	F. LONG TERM AVERAGE VALUE		H. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)			X												
2M. Arsenic, Total (7440-32-2)		X											X		
3M. Beryllium, Total, 7440-41-7)			X												
4M. Cadmium, Total (7440-43-9)		X											X		
5M. Chromium, Total (7440-47-3)		X											X		
6M. Copper, Total (7550-50-8)		X		< 0.05	NA	NA	NA	NA	NA	*-6	mg/L	Kg	X	NA	NA
7M. Lead, Total (7439-92-1)		X											X		
8M. Mercury, Total (7439-97-8)		X											X		
9M. Nickel, Total (7440-02-0)			X												
10M. Selenium, Total (7782-49-2)		X											X		
11M. Silver, Total (7440-22-4)		X											X		
12M. Thallium, Total (7440-28-0)			X												
13M. Zinc, Total (7440-66-6)			X												
14M. Cyanide, Total (57-12-5)			X												
15M. Phenols, Total			X												

**DIOXIN**2,3,7,8-Tetra-  
chlorodibenzo-P-  
Dioxin (1784-01-6)

X

DESCRIBE RESULTS



NJ0025411

462B

GE V-4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST METHOD	B. ANALYSIS	C. REVERSE	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		G. LONG TERM AVG. VALUE (if available)		F. NO. OF ANALYSES	H. CONCENTRATION	I. MASS	J. LONG TERM AVERAGE VALUE		K. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-08-2)			X												
23V. 1,1,2,2-Tetrachloroethane (79-34-6)			X												
24V. Tetrachloroethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X												
27V. 1,1,1-Trichloroethane (71-55-6)			X												
28V. 1,1,2-Trichloroethane (79-00-5)			X												
29V. Trichloroethylene (79-01-6)			X												
30V. Trichlorofluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)			X												
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)			X												
2A. 2,4-Dichlorophenol (120-83-2)			X												
3A. 2,4-Dimethylphenol (105-67-9)			X												
4A. 4,6-Dinitro-O-Cresol (534-62-1)			X												
5A. 2,4-Dinitrophenol (51-28-5)			X												
6A. 2-Nitrophenol (88-75-5)			X												
7A. 4-Nitrophenol (100-02-7)			X												
8A. P-Chloro-M-Cresol (59-50-7)			X												
9A. Pentachlorophenol (87-86-5)			X												
10A. Phenol (108-95-2)			X												
11A. 2,4,6-Trichlorophenol (88-06-2)			X												

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' (a) see table 1000-1001 (b) see table 1000-1002 (c) see table 1000-1003	3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
		6. MAXIMUM DAILY VALUE (a) concentration (b) mass	7. MAXIMUM 30 DAY VALUE (a) concentration (b) mass	8. CONCENTRATION	9. MASS	10. LONG TERM AVERAGE (a) concentration (b) mass	11. NO. OF ANALYSES
<b>IC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>							
18. Acenaphthene (83-32-8)	X						
18. Acenaphthylene (208-96-6)	X						
18. Anthracene (130-12-7)	X						
18. Benzidine (92-67-6)	X						
15. Benz(a) Anthracene (54-55-3)	X						
18. Benzene (a) (78-10-4)	X						
18. 3,4-Benzofluoranthene (205-96-2)	X						
18. Benzene (b) (78-10-4)	X						
18. Benzene (h) Fluoranthene (207-08-0)	X						
108. Bis (8-Chloro-ethyl) Methane (111-91-1)	X						
118. Bis (8-Chloro-ethyl) Ether (111-46-4)	X						
128. Bis (8-Chloro-isopropyl) Ether (36838-33-8)	X						
138. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X						
148. 4-Bromophenyl Phenyl Ether (101-88-3)	X						
168. Butyl Benzyl Phthalate (88-68-7)	X						
188. 2-Chloronaphthalene (81-86-7)	X						
178. 6-Chlorophenyl Phenyl Ether (7008-72-3)	X						
188. Chrysene (218-01-6)	X						
198. Dibenzo (a,h) Anthracene (83-70-3)	X						
208. 1,3-Dichlorobenzene (86-80-1)	X						
218. 1,3-Dichlorobenzene (841-73-1)	X						

**3. EFFLUENT**

**4. UNITS**

**5. INTAKE (upstream)**

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (upstream)		
	U.S. REGULATED	STATE REGULATED	8. MAXIMUM DAILY VALUE (if available)	9. MAXIMUM 30 DAY VALUE (if available)	CONCENTRATION	10. CONCENTRATION	11. CONCENTRATION	12. CONCENTRATION	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>									
22B. 1,4-Dichlorobenzene (106-46-7)			X						
23B. 3,3'-Dichlorobenzidine (91-94-1)			X						
24B. Dimethyl Phthalate (84-66-2)			X						
25B. Dimethyl Phthalate (131-11-3)			X						
26B. Di-N-Butyl Phthalate (84-74-2)			X						
27B. 2,4-Dinitrotoluene (121-14-2)			X						
28B. 2,6-Dinitrotoluene (806-20-2)			X						
29B. Di-N-Octyl Phthalate (117-84-0)			X						
30B. 1,2-Diphenylhydrazine (as Azo-benzene) (122-66-7)			X						
31B. Fluoranthene (206-44-0)			X						
32B. Fluorene (86-73-7)			X						
33B. Hexachlorobenzene (118-71-1)			X						
34B. Hexachlorobutadiene (87-68-3)			X						
35B. Hexachlorocyclopentadiene (77-47-4)			X						
36B. Hexachloroethene (67-72-1)			X						
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X						
38B. Isophorone (78-59-1)			X						
39B. Naphthalene (91-20-3)			X						
40B. Nitrobenzene (98-06-3)			X						
41B. N-Nitrosodimethylamine (62-76-9)			X						
42B. N-Nitrosodi-N-Propylamine (1621-64-7)			X						

CONTINUED FROM	1. POLLUTANT AND CAS NUMBER (if available)	MARK 'X' (if available)	3. EFFLUENT		3. INT. (optional)		4. UNITS	5. LONG TERM AVERAGE VALUE (i) CONCENTRATION (ii) MASS	6. NO. OF ANAL. VSES
			B. MAXIMUM 30 DAY VALUE (i) CONCENTRATION (ii) MASS	C. LONG TERM AVERAGE VALUE (i) CONCENTRATION (ii) MASS	7. LONG TERM AVERAGE VALUE (i) CONCENTRATION (ii) MASS				
<b>OCAMS FRACTION -- BASE/NEUTRAL COMPOUNDS (continue.)</b>									
43B. N-Nitro-methylbenzylamine (88-30-6)		X							
44B. Phenanthrene (89-01-6)		X							
45B. Pyrene (129-00-6)		X							
46B. 1,2,4-Trichlorobenzene (120-82-1)		X							
<b>OCAMS FRACTION -- PESTICIDES</b>									
1P. Aldrin (309-00-2)		X							
2P. G-BHC (319-04-6)		X							
3P. $\beta$ -BHC (319-05-7)		X							
4P. $\gamma$ -BHC (66-69-9)		X							
5P. $\delta$ -BHC (319-06-8)		X							
6P. Chlordane (87-74-9)		X							
7P. 4,4'-DDE (60-29-3)		X							
8P. 4,4'-DDE (72-45-9)		X							
9P. 4,4'-DDD (72-84-6)		X							
10P. Dieldrin (60-57-1)		X							
11P. G-Endosulfan (116-26-7)		X							
12P. $\beta$ -Endosulfan (116-28-7)		X							
13P. Endosulfan Sulfate (1031-07-6)		X							
14P. Endrin (72-20-6)		X							
15P. Endrin Alderlyde (7421-93-4)		X							
16P. Heptachlor (76-44-8)		X							



EPA I.D. NUMBER (copy from Item 1 of Form 1) OUTFALL NUMBER

462B

NJ0025411

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER ((/ molecule))	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)	
	PRE-SENT (/ molecule)	POST-SENT (/ molecule)	6. MAXIMUM DAILY VALUE [1] MASS [2] CONCENTRATION	7. MAXIMUM 30 DAY VALUE [1] CONCENTRATION [2] MASS	8. LONG TERM AVERAGE VALUE [1] CONCENTRATION [2] MASS	9. NO. OF ANAL. YSES	10. CONCENTRATION	11. MASS	12. LONG TERM AVERAGE VALUE [1] CONCENTRATION [2] MASS	13. NO. OF ANAL. YSES
OCRES FRACTION - PESTICIDES (continued)										
17P, Heptachlor Epoxide (1024-57-3)			X							
18P, PCB-1242 (83400-21-8)			X							
19P, PCB-1264 (11007-66-1)			X							
20P, PCB-1221 (11104-20-2)			X							
21P, PCB-1233 (11141-16-6)			X							
22P, PCB-1248 (12672-20-6)			X							
23P, PCB-1260 (11000-82-8)			X							
24P, PCB-1016 (12874-11-2)			X							
26P, Toxaphene (8001-30-3)	X									X

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS

EPA I.D. NUMBER (copy from Item 1 of Form 1)  
 NJ0025411

Storm D. in, South  
 (non-process)  
 Form Approved EPA No. 158-R0173

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 463A

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		e. NO. OF ANALYSES
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)			a. CONCENTRATION	b. MASS	5. LONG TERM AVERAGE VALUE		
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD <sub>5</sub> )	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
b. Chemical Oxygen Demand (COD)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
c. Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
d. Total Suspended Solids (TSS)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
e. Ammonia (as N)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
f. Flow	VALUE 1.525		VALUE NA		VALUE 0.189		*-5	million per day	gallons	VALUE NA		NA
g. Temperature (winter)	VALUE Ambient		VALUE NA		VALUE Ambient		*-1	°C		VALUE NA		NA
h. Temperature (summer)	VALUE Ambient		VALUE NA		VALUE Ambient		*-1	°C		VALUE NA		NA
i. pH	MINIMUM NA	MAXIMUM NA	MINIMUM NA	MAXIMUM NA	<del>VALUE</del>		*-4	STANDARD UNITS		<del>VALUE</del>		

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		e. NO. OF ANALYSES
	a. PRESENT	b. ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)			a. CONCENTRATION	b. MASS	6. LONG TERM AVERAGE VALUE		
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959 67-9)		X							*-4					
b. Chlorine, Total Residual		X							*-4					
c. Color	X								*-4					
d. Fecal Coliform		X							*-4					
e. Fluoride (16304 48-8)		X							*-4					
f. Nitrate-Nitrite (as N)	X								*-4					

I. POLLUTANT AND CAS NO. (if available)	VII. X		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. NO. OF ANALYSES PER MONTH	B. NO. OF ANALYSES PER MONTH	8. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVERAGE VALUE (if available)		I. NO. OF ANALYSES	8. CONCENTRATION	D. MASS	A. LONG TERM AVERAGE VALUE		I. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
h. Oil and Grease	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14800-79-8)		X												
l. Sulfide (as S)		X												
m. Sulfite (as SO <sub>3</sub> ) (14206-45-3)		X												
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)		X												
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-40-4)		X												
s. Iron, Total (7439-89-8)	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
t. Magnesium, Total (7439-96-4)	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

NJ0025411

463A

CONTINUED FROM PAGE 3 OF FORM 2-C

**PART C** - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe to be absent. If you mark either columns 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. GC/MS FRACTION	b. TOXIC METALS, CYANIDES, AND TOTAL PHENOLS	c. OTHER POLLUTANTS	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS				(i) CONCENTRATION	(ii) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M Arsenic, Total (7440 36 0)		X													
2M Arsenic, Total (7440 38 2)		X													
3M Beryllium, Total (7440 41 7)		X													
4M Cadmium, Total (7440 44 9)	X			NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
5M Chromium, Total (7440 47 3)		X													
6M Copper, Total (7550 50 8)	X			NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
7M Lead, Total (7439 92 1)	X			NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
8M Mercury, Total (7439 97 6)		X													
9M Nickel, Total (7440 02 0)	X			NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
10M Selenium, Total (7782 49 2)		X													
11M Silver, Total (7440 22 4)		X													
12M Thallium, Total (7440 28 0)		X													
13M Zinc, Total (7440 66 6)	X			NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
14M Cyanide, Total (57 12 5)		X													
15M Phenols, Total		X													
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-p-dioxin (17-4 01 6)				DESCRIBE RESULTS											
			X												

CONTINUE ON REVERSE

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'R'		3. EFFLUENT		4. UNITS		5. IN) - KE (optional)	
	DATE	CONC. AS SERVED	D. MAXIMUM 30 DAY VALUE (if available)	G. LONG TERM AVERG. VALUE (if available)	A. CONCENTRATION	B. MASS	(i) CONCENTRATION	(j) MASS
GC/MS FRACTION - VOLATILE COMPOUNDS								
1V. Acrolein (107-02-8)		X						
2V. Acrylonitrile (107-13-1)		X						
3V. Benzene (71-43-2)		X						
4V. Bis (Chloromethyl) Ether (542-88-1)		X						
5V. Bromoform (78-28-2)		X						
6V. Carbon Tetrachloride (56-23-5)		X						
7V. Chlorobenzene (108-90-7)		X						
8V. Chlorobromomethane (124-48-1)		X						
9V. Chloroethane (78-00-3)		X						
10V. 2-Chloroethylvinyl Ether (110-75-8)		X						
11V. Chloroform (67-66-3)		X						
12V. Dichlorobromomethane (78-27-4)		X						
13V. Dichlorodifluoromethane (78-71-8)		X						
14V. 1,1-Dichloroethene (78-34-3)		X						
15V. 1,2-Dichloroethane (107-06-2)		X						
16V. 1,1-Dichloroethylene (78-36-4)		X						
17V. 1,2-Dichloropropane (78-87-5)		X						
18V. 1,3-Dichloropropene (842-78-6)		X						
19V. Ethylbenzene (100-41-4)		X						
20V. Methyl Bromide (74-83-9)		X						
21V. Methyl Chloride (74-87-3)		X						

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TESTING REQUIRED	B. DERIVED FROM	C. DERIVED FROM	6. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		E. LONG TERM AVG. VALUE (if available)		G. NO. OF ANALYSES	F. CONCENTRATION	H. MASS	I. LONG TERM AVERAGE VALUE		J. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)			X												
23V. 1,1,2,2-Tetrachloroethane (79-34-6)			X												
24V. Tetrachloroethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X												
27V. 1,1,1-Trichloroethane (71-55-6)			X												
28V. 1,1,2-Trichloroethane (79-00-5)			X												
29V. Trichloroethylene (79-01-6)			X												
30V. Trichlorofluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)			X												
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (98-57-8)			X												
2A. 2,4-Dichlorophenol (120-83-2)			X												
3A. 2,4-Dimethylphenol (106-67-9)			X												
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X												
5A. 2,4-Dinitrophenol (51-28-5)			X												
6A. 2-Nitrophenol (88-75-5)			X												
7A. 4-Nitrophenol (100-02-7)			X												
8A. P-Chloro-M-Cresol (59-50-7)			X												
9A. Pentachlorophenol (87-86-5)			X												
10A. Phenol (108-95-2)			X												
11A. 2,4,6-Trichlorophenol (88-05-2)			X												

1. POLLUTANT AND CAS NUMBER (if available)	MARK 'X' (if applicable)	3. EFFLUENT		4. UNITS		5. INTA (optional)	
		A. MAXIMUM DAILY VALUE (if available)	B. MAXIMUM 30 DAY VALUE (if available)	C. CONCENTRATION	D. MASS	E. LONG AVERAGE (i) concentration	F. NO. OF ANAL. VSES
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS		(i) concentration	(i) mass	(i) concentration	(i) mass	(i) concentration	(i) mass
18. Acenaphthene (83-32-8)	X						
28. Acenaphthylene (208-96-8)	X						
38. Anthracene (120-12-7)	X						
48. Benzidine (92-67-8)	X						
58. Benz(a) Anthracene (55-55-3)	X						
68. Benz(e) Pyrene (80-32-8)	X						
78. 2,4-Benzofluoranthene (208-98-2)	X						
88. Benz(g,h) Fluoranthene (207-08-9)	X						
108. Bis(2-Chloroethyl) Methane (111-61-1)	X						
118. Bis(2-Chloroethyl) Ether (111-44-4)	X						
128. Bis(2-Chloroethyl) Ether (111-44-4)	X						
138. Bis(2-Ethylhexyl) Phthalate (117-81-7)	X						
148. 4-Bromophenyl Phenyl Ether (101-85-3)	X						
158. Butyl Benzyl Phthalate (88-68-7)	X						
168. 2-Chloronaphthalene (81-59-7)	X						
178. 4-Chlorophenyl Phenyl Ether (7008-72-3)	X						
188. Chrysene (218-01-8)	X						
198. Dibenz(a,h) Anthracene (83-76-3)	X						
208. 1,2-Dichlorobenzene (95-40-1)	X						
218. 1,3-Dichlorobenzene (841-75-1)	X						

EPA I.D. NUMBER (copy from Item 1 of P. 1) NJ0025411  
 OUTFALL NUMBER 463A

CONTINUED FRL AGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'	3. EFFLUENT		4. UNITS		5. INTAKE (optional)			
		a. MAXIMUM DAILY VALUE (if concentration)	b. MAXIMUM 30 DAY VALUE (if concentration)	c. LONG TERM AVERAGE VALUE (if mass)	d. NO. OF ANAL. VES	e. CONCENTRATION	f. A. 188	g. LONG TERM AVERAGE VALUE (if mass)	h. NO. OF ANAL. VES
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>									
22B. 1,4-Dichlorobenzene (108-46-7)	X								
23B. 3,3'-Dichlorobenzidine (81-94-1)	X								
24B. Dimethyl Phthalate (84-66-2)	X								
25B. Dimethyl Phthalate (131-11-3)	X								
26B. Di-N-Butyl Phthalate (84-74-2)	X								
27B. 2,4-Dinitrotoluene (121-14-2)	X								
28B. 2,6-Dinitrotoluene (806-20-2)	X								
29B. Di-N-Octyl Phthalate (117-84-0)	X								
30B. 1,2-Diphenylhydrazine (as Azo-benzene) (122-66-7)	X								
31B. Fluorethene (206-44-0)	X								
32B. Fluorene (86-73-7)	X								
33B. Hexachlorobenzene (118-71-1)	X								
34B. Hexachlorobutadiene (87-68-3)	X								
35B. Hexachlorocyclopentadiene (177-47-4)	X								
36B. Hexachloroethane (67-72-1)	X								
37B. Indeno (1,2,3-cd) Pyrene (193-39-1)	X								
38B. Isophorone (78-69-1)	X								
39B. Naphthalene (91-20-3)	X								
40B. Nitrobenzene (98-95-3)	X								
41B. N-Nitrosodimethylamine (62-76-9)	X								
42B. N-Nitrosodimethylamine (62-76-9)	X								
43B. N-Nitrosodimethylamine (62-76-9)	X								



1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'K'		3. EFFLUENT		4. UNITS		5. INT. (optional)	
	USE	USE	(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>								
435. N-Nitro-2-naphthylamine (88-30-9)		X						
445. Phenanthrene (86-01-8)		X						
455. Pyrene (129-00-6)		X						
465. 1,2,7,8-tetrahydroanthracene (120-92-1)		X						
<b>GC/MS FRACTION - PESTICIDES</b>								
1P. Alar (300-00-3)		X						
2P. D-DIB (318-04-8)		X						
3P. D-DIB (318-04-8)		X						
4P. D-DIB (318-04-8)		X						
5P. D-DIB (318-04-8)		X						
6P. D-DIB (318-04-8)		X						
7P. D-DIB (318-04-8)		X						
8P. D-DIB (318-04-8)		X						
9P. D-DIB (318-04-8)		X						
10P. D-DIB (318-04-8)		X						
11P. D-DIB (318-04-8)		X						
12P. D-DIB (318-04-8)		X						
13P. D-DIB (318-04-8)		X						
14P. D-DIB (318-04-8)		X						
15P. D-DIB (318-04-8)		X						
16P. D-DIB (318-04-8)		X						
17P. D-DIB (318-04-8)		X						
18P. D-DIB (318-04-8)		X						
19P. D-DIB (318-04-8)		X						
20P. D-DIB (318-04-8)		X						

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TESTING METHOD	B. DE- LIVERED CONCEN- TRATION	C. DE- LIVERED AG- ENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>OCAMS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-87-3)			X												
18P. PCB-1242 (83400-21-6)			X												
18P. PCB-1254 (11607-00-1)			X												
20P. PCB-1221 (11194-20-2)			X												
21P. PCB-1222 (11141-10-6)			X												
22P. PCB-1240 (10772-20-6)			X												
23P. PCB-1290 (11100-82-0)			X												
24P. PCB-1010 (11192-11-0)			X												
28P. (800) (8-3)															

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

NJ0025411

Settling Pond  
(non-process)

Form Approved OMB No. 158-R0173

OUTFALL NO.

463B

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
b. Chemical Oxygen Demand (COD)	NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
c. Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
d. Total Suspended Solids (TSS)	100	22	30	6.6	NA	NA	*-1	mg/L	Kg	NA	NA	NA
e. Ammonia (as N)	NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	NA
f. Flow	VALUE 58,000		VALUE NA		VALUE NA		*-1	gallons per day		VALUE NA		NA
g. Temperature (winter)	VALUE Ambient		VALUE NA		VALUE Ambient		*-1	°C		VALUE NA		NA
h. Temperature (summer)	VALUE Ambient		VALUE NA		VALUE Ambient		*-1	°C		VALUE NA		NA
i. pH	MINIMUM 6	MAXIMUM 9	MINIMUM NA	MAXIMUM NA	X		*-1	STANDARD UNITS		X		

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. PRESENT	b. ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24968-87-8)		X												
b. Chloride, Total Residual		X												
c. Color	X		NA	NA	NA	NA	NA	NA	*-2	NA	NA	NA	NA	
d. Fecal Coliform		X												
e. Fluoride (18084-48-8)	X											X		
f. Nitrate and Nitrite (as N)	X											X		

1. POLLUTANT AND GAS NO. (if applicable)	2. RECORDING UNIT	3. EFFLUENT		4. UNITS		5. INTAKE (if available)		6. NO. OF ANAL. YRS.
		a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (2) CONCENTRATION	a. CONCENTRATION	b. MASS	a. LONG TERM CONCENTRATION	b. MASS	
3. Nitrogen, Total Organic (as N)	X							
4. Oil and Grease	X	10	NA	NA	Kg	NA	NA	NA
5. Phosphorus (as P), Total (7723-14-8)	X							
6. Radioactivity								
(1) Alpha, Total	X							
(2) Beta, Total	X							
(3) Gamma, Total	X							
(4) Radium 226, Total	X							
7. Sulfate (as SO <sub>4</sub> ) (14205-73-8)	X							
8. Sulfide (as S) (14205-73-8)	X							
9. Ammonia, Total (14205-73-8)	X							
10. Barium, Total (14205-73-8)	X							
11. Boron, Total (14205-73-8)	X							
12. Cobalt, Total (14205-73-8)	X							
13. Iron, Total (14205-73-8)	X							
14. Magnesium, Total (14205-73-8)	X							
15. Manganese, Total (14205-73-8)	X							
16. Nickel, Total (14205-73-8)	X							
17. Vanadium, Total (14205-73-8)	X							
18. Zinc, Total (14205-73-8)	X							
19. Cadmium, Total (14205-73-8)	X							
20. Chromium, Total (14205-73-8)	X							
21. Copper, Total (14205-73-8)	X							
22. Lead, Total (14205-73-8)	X							
23. Silver, Total (14205-73-8)	X							
24. Selenium, Total (14205-73-8)	X							
25. Tin, Total (14205-73-8)	X							
26. Uranium, Total (14205-73-8)	X							
27. Molybdenum, Total (14205-73-8)	X							
28. Zinc, Total (14205-73-8)	X							
29. Barium, Total (14205-73-8)	X							
30. Boron, Total (14205-73-8)	X							
31. Cobalt, Total (14205-73-8)	X							
32. Iron, Total (14205-73-8)	X							
33. Magnesium, Total (14205-73-8)	X							
34. Manganese, Total (14205-73-8)	X							
35. Nickel, Total (14205-73-8)	X							
36. Vanadium, Total (14205-73-8)	X							
37. Zinc, Total (14205-73-8)	X							
38. Cadmium, Total (14205-73-8)	X							
39. Chromium, Total (14205-73-8)	X							
40. Copper, Total (14205-73-8)	X							
41. Lead, Total (14205-73-8)	X							
42. Silver, Total (14205-73-8)	X							
43. Selenium, Total (14205-73-8)	X							
44. Tin, Total (14205-73-8)	X							
45. Uranium, Total (14205-73-8)	X							
46. Molybdenum, Total (14205-73-8)	X							

EPA I.D. NUMBER (copy from Item 1) **NJ0025411** W/1) OUTFALL NUMBER **463B**

CONTINUED FROM PAGE 3 OF FORM 2-C

**PART C.** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe to be absent. If you mark either columns 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)		
	MARK 'X' IN COLUMN 2-A	MARK 'X' IN COLUMN 2-B	6. MAXIMUM DAILY VALUE (a) mass	7. LONG TERM AVG. VALUE (a) mass	8. CONCENTRATION (a) mass	9. CONCENTRATION (a) mass	10. MASS	11. LONG TERM AVERAGE VALUE (a) mass	12. NO. OF ANAL. VSES	13. NO. OF ANAL. VSES	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>											
1M Antimony, Total (7440 36 0)		X									
2M Arsenic, Total (7440 38 2)	X										X
3M Beryllium, Total (7440 41 7)		X									X
4M Cadmium, Total (7440 43 9)	X										X
6M Chromium, Total (7440 47 3)	X										X
6M Copper, Total (7550 50 8)	X		0.2	NA	NA	NA	NA	NA	*-1		NA
7M Lead, Total (7439 92 1)	X		0.04								X
8M Mercury, Total (7439 97 6)	X										X
9M Nickel, Total (7440 02 0)		X									X
10M Selenium, Total (7782 49 2)	X										X
11M Silver, Total (7440 22 4)	X										X
12M Thallium, Total (7440 28 0)		X									
13M Zinc, Total (7440 66 6)		X									
14M Cyanide, Total (57 12 5)		X									
15M Phenols, Total		X									

**DIOXIN**

DESCRIBE RESULTS	MARK 'X'
2,3,7,8 Tetra chlorodioxin (TCDF) (1764 01 6)	X

CONTINUED FROM THE FRONT

1. POLLUTANT NUMBER (if available)	2. MARK 'A'		3. EFFLUENT		4. UNITS		5. INT		6. NO. OF ANAL. YSES	
	U.S. EPA METHOD	U.S. EPA UNIT	D. MAXIMUM CONCENTRATION (i)	D. MAXIMUM DAILY VALUE (ii) mass	E. LONG TERM AVERAGE VALUE (i) mass	E. LONG TERM AVERAGE VALUE (ii) mass	F. CONCENTRATION	F. MASS		
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>										
1V. Acrolein (107-02-8)			X							
2V. Acrylonitrile (107-13-1)			X							
3V. Benzene (71-43-2)			X							
4V. Bis (Chloromethyl) Ether (542-88-1)			X							
5V. Bromoform (78-28-2)			X							
6V. Carbon Tetrachloride (56-23-8)			X							
7V. Chlorobenzene (108-90-7)			X							
8V. Chlorobromomethane (124-48-1)			X							
9V. Chloroethane (78-00-3)			X							
10V. 2-Chloroethylvinyl Ether (110-78-8)			X							
11V. Chloroform (67-66-3)			X							
12V. Dichlorobromomethane (78-27-4)			X							
13V. Dichlorodifluoromethane (78-71-8)			X							
14V. 1,1-Dichloroethane (78-34-3)			X							
15V. 1,2-Dichloroethane (107-06-2)			X							
16V. 1,1-Dichloroethylene (78-36-4)			X							
17V. 1,2-Dichloropropane (78-47-8)			X							
18V. 1,3-Dichloropropylene (542-78-6)			X							
19V. Ethylbenzene (100-41-4)			X							
20V. Methyl Bromide (74-83-8)			X							
21V. Methyl Chloride (74-87-3)			X							

CONTINUED FROM GE V-4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TREATMENT UNIT	B. DISCHARGE POINT	C. RECEIVING BODY OF WATER	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)			X												
23V. 1,1,2,2-Tetrachloroethane (79-34-6)			X												
24V. Tetrachloroethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X												
27V. 1,1,1-Trichloroethane (71-55-6)			X												
28V. 1,1,2-Trichloroethane (79-00-5)			X												
29V. Trichloroethylene (79-01-6)			X												
30V. Trichlorofluoromethane (75-68-4)			X												
31V. Vinyl Chloride (75-01-4)			X												
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (98-57-8)			X												
2A. 2,4-Dichlorophenol (120-83-2)			X												
3A. 2,4-Dimethylphenol (106-67-9)			X												
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X												
5A. 2,4-Dinitrophenol (51-28-5)			X												
6A. 2-Nitrophenol (88-75-5)			X												
7A. 4-Nitrophenol (100-02-7)			X												
8A. p-Chloro-M-Cresol (59-50-7)			X												
9A. Pentachlorophenol (87-86-5)			X												
10A. Phenol (108-95-2)			X												
11A. 2,4,6-Trichlorophenol (88-06-2)			X												





1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'A'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
	U.S. C. 105.11 (a) (1) (i) (ii)	U.S. C. 105.11 (a) (1) (i) (ii)	MAXIMUM DAILY VALUE (if available)	MAXIMUM 30 DAY VALUE (if available)	CONCENTRATION	MASS	LONG TERM AVERAGE VALUE (i) concentration (ii) mass	NO. OF ANALYSES
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)								
228. 1,4-Dichlorobenzene (106-46-7)		X						
238. 3,3'-Dichlorobenzidine (91-94-1)		X						
248. Diethyl Phthalate (84-66-2)		X						
258. Dimethyl Phthalate (131-11-3)		X						
268. Di-N-Butyl Phthalate (84-74-3)		X						
278. 2,4-Dinitrotoluene (121-14-2)		X						
288. 2,6-Dinitrotoluene (806-20-2)		X						
298. Di-N-Octyl Phthalate (117-64-0)		X						
308. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)		X						
318. Fluoranthene (206-44-0)		X						
328. Fluorene (86-73-7)		X						
338. Hexachlorobenzene (118-71-1)		X						
348. Hexachlorobutadiene (87-68-3)		X						
358. Hexachlorocyclopentadiene (177-47-4)		X						
368. Hexachloroethene (67-72-1)		X						
378. Indeno (1,2,3-cd) Pyrene (193-39-5)		X						
388. Isophorone (78-59-1)		X						
398. Naphthalene (91-20-3)		X						
408. Nitrobenzene (98-96-3)		X						
418. N-Nitrosodimethylamine (62-76-9)		X						
428. N-Nitrosodi-N-Propylamine (62164-7)		X						

CONTINUED FROM FRONT

1. POLLUTANT AND CAS NUMBER (if available)	MARK 'N'	3. EFFLUENT		4. LONG TERM AVERAGE VALUE (if available)		5. UNITS		6. INTA (optional)	
		A. MAXIMUM DAILY VALUE (1) CONC. (2) MASS	B. MAXIMUM 30 DAY VALUE (1) CONC. (2) MASS	C. LONG TERM AVERAGE VALUE (1) CONC. (2) MASS	D. NO. OF ANAL. YRS	E. CONCEN. TRATION	F. MASS	G. LONG TERM AVERAGE VALUE (1) CONCEN. TRATION (2) MASS	H. NO. OF ANAL. YRS
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>									
43B. N-Nitro- methylphenylamine (86-30-6)		X							
64B. Phenanthrene (83-01-6)		X							
45B. Pyrene (129-00-0)		X							
46B. 1,3,4-Tri- methylbenzene (129-82-1)		X							
<b>GC/MS FRACTION - PESTICIDES</b>									
1P. Aldrin (309-00-3)		X							
2P. D-DHC (319-84-6)		X							
3P. $\beta$ -DHC (319-86-7)		X							
4P. $\gamma$ -DHC (86-89-9)		X							
5P. $\delta$ -DHC (319-86-8)		X							
6P. Chlordane (87-74-9)		X							
7P. 4,4'-DDT (80-20-3)		X							
8P. 4,4'-DDE (73-88-9)		X							
9P. 4,4'-DDD (72-84-8)		X							
10P. Dieldrin (80-87-1)		X							
11P. $\alpha$ -Endosulfan (118-28-7)		X							
12P. $\beta$ -Endosulfan (118-29-7)		X							
13P. Endosulfan Sulfate (1031-07-8)		X							
14P. Endrin (73-20-6)		X							
15P. Endrin Aldehyde (7431-93-4)		X							
16P. Heptachlor (76-44-8)		X							

CONTINUE ON PAGE V-8

PAGE V-8

EPA Form 3610-2C (8-80)

EPA I.D. NUMBER (copy from Item 1 of Form 1) **OUTFALL NUMBER**  
**463B**

**NJ0025411**

CONTINUED FROM PAGE V-8

POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (if applicable)			
	1. 100-PPM OR 500-PPM OR 500-PPM OR 500-PPM	2. 100-PPM OR 500-PPM OR 500-PPM OR 500-PPM	3. MAXIMUM DAILY VALUE (i) MASS CONCENTRATION	4. MAXIMUM 30 DAY VALUE (i) MASS CONCENTRATION	5. LONG TERM (if available) (i) MASS CONCENTRATION	6. NO. OF ANAL. YSES	7. CONCENTRATION	8. MASS	9. LONG TERM AVERAGE VALUE (i) CONCENTRATION (ii) MASS	10. NO. OF ANAL. YSES
<b>MS FRACTION - PESTICIDES (continued)</b>										
Heptachlor EPA-487-3		X								
PCB-1242 68-21-6		X								
PCB-1264 67-66-1		X								
PCB-1221 04-28-2		X								
PCB-1232 41-18-8		X								
PCB-1248 72-28-6		X								
PCB-1260 68-62-8		X								
PCB-1018 74-11-3		X								
Toxaphene 1-38-3		X								X

NJ0025411

Perimeter Storm Drain  
(non-process)  
Form Approved OMB No. 150-R0173OUTFALL NO.  
164

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS

## V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						4. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			b. CONCENTRATION	d. MASS	e. LONG TERM AVERAGE VALUE		f. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
b. Chemical Oxygen Demand (COD)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
c. Total Organic Carbon (TOC)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
d. Total Suspended Solids (TSS)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
e. Ammonia (as N)	NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
f. Flow	VALUE 2.001		VALUE NA		VALUE 0.248		*-5	million gallons per day	VALUE NA	VALUE NA		VALUE NA
g. Temperature (winter)	VALUE Ambient		VALUE NA		VALUE Ambient		*-1	°C	VALUE NA		VALUE NA	
h. Temperature (summer)	VALUE Ambient		VALUE NA		VALUE Ambient		*-1	°C	VALUE NA		VALUE NA	
i. pH	MINIMUM NA	MAXIMUM NA	MINIMUM NA	MAXIMUM NA	X		*-4	STANDARD UNITS		X		

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						4. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. PRESENT	b. ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			b. CONCENTRATION	d. MASS	e. LONG TERM AVERAGE VALUE		f. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24969 67-9)		X							*-4					
b. Chlorine, Total Residual		X							*-4					
c. Color	X								*-4					
d. Fecal Coliform		X							*-4					
e. Fluoride (16984 48-0)		X							*-4					
f. Nitrate-Nitrite (as N)	X								*-4					

1. POLLUTANT AND CAS NO. (if available)	2. MA		3. EFFLUENT						4. UNITS		5. INTAKE ( <sup>total</sup> )			
	A. NO. OF PERMITS	B. NO. OF PERMITS	C. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		E. LONG TERM AVERAGE VALUE (if available)		F. NO. OF ANALYSES	G. CONCENTRATION	H. MASS	I. LONG TERM VALUE		J. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
6. Nitrogen, Total Organic or N <sub>T</sub>	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
7. Oil and Grease	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
8. Phosphorus as P <sub>2</sub> , Total 7723-14-0	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
Radioactivity														
1) Alpha, Total		X												
2) Beta, Total		X												
3) Radium, Total		X												
4) Radium 226, Total		X												
Sulfate as SO <sub>4</sub> , 14108-79-8		X												
Sulfide as S		X												
Sulfite as SO <sub>3</sub> , 14266-45-3		X												
i. Surfactants														
Aluminum, total 7429-90-6		X												
Barium, total 7440-39-3		X												
Boron, total 7440-42-8		X												
Cobalt, total 7440-41-4		X												
Iron, Total 7439-89-6	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
Magnesium, total 7439-96-4	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
Molybdenum, total 7439-98-7		X												
Manganese, total 7439-96-5	X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
Tin, Total 7440-31-6		X												
Titanium, total 7440-32-6		X												

NJ0025411

464

CONTINUED FROM PAGE 3 OF FORM 2 C

**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe to be absent. If you mark either columns 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST FOR GC/MS	b. GC/MS FRACTION	c. TOXIC METALS	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M Antimony, Total (7440-36-0)			X												
2M Arsenic, Total (7440-38-2)			X												
3M Beryllium, Total (7440-41-7)			X												
4M Cadmium, Total (7440-43-9)		X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
5M Chromium, Total (7440-47-3)			X												
6M Copper, Total (7550-50-8)		X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
7M Lead, Total (7439-92-1)		X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
8M Mercury, Total (7439-97-6)			X												
9M Nickel, Total (7440-02-0)		X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
10M Selenium, Total (7782-49-2)			X												
11M Silver, Total (7440-22-4)			X												
12M Thallium, Total (7440-28-0)			X												
13M Zinc, Total (7440-66-6)		X		NA	NA	NA	NA	NA	NA	*-4	NA	NA	NA	NA	NA
14M Cyanide, Total (57-12-5)			X												
15M Phenols, Total			X												
<b>DIOXIN</b>															
2,3,7,8 Tetrachlorodibenzo-p-dioxin (174-01-6)			X	DESCRIBE RESULTS											



1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (if available)	
	TESTED	CONCENTRATION	MAXIMUM DAILY VALUE	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	AVERAGE VALUE
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)								
22V, Methylene Chloride (78-08-2)		X						
23V, 1,1,2,2-Tetrachloroethane (78-34-5)		X						
24V, Tetrachloroethylene (127-18-4)		X						
25V, Toluene (108-98-3)		X						
26V, 1,2-Trendichloroethylene (156-80-8)		X						
27V, 1,1,1-Trichloroethane (71-98-8)		X						
28V, 1,1,2-Trichloroethane (78-00-8)		X						
29V, Trichloroethylene (79-01-6)		X						
30V, Trichlorofluoromethane (78-69-4)		X						
31V, Vinyl Chloride (78-01-4)		X						
GC/MS FRACTION - ACID COMPOUNDS								
1A, 2-Chloropheno (88-87-8)		X						
2A, 2,4-Dichloropheno (120-83-2)		X						
3A, 2,4-Dimethylphenol (108-87-9)		X						
4A, 2,6-Dinitro-Cresol (834-82-1)		X						
5A, 2,4-Dinitrophenol (81-28-8)		X						
6A, 2-Nitrophenol (88-75-9)		X						
7A, 1-Nitrophenol (100-02-7)		X						
8A, 2-Chloro-4-Nitrophenol (89-87-7)		X						
9A, 2,4-Dichloro-6-Nitrophenol (87-86-9)		X						
10A, 2,4,6-Trichloropheno (88-46-2)		X						



1. POLLUTANT AND GAS NUMBER <i>(if available)</i>	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	A. TEST METHOD	B. SS. 15-16-17 PRA. SECT. 15-17	C. SS. 18-19-20 AS. SECT. 18-20	A. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE <i>(if available)</i>		C. LONG TERM AVG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	E. CONCENTRATION	F. MASS	G. LONG TERM AVERAGE VALUE		H. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
16. Acenaphthene (83-32-8) <i>(a)</i>			X												
26. Acenaphthylene (208-96-8) <i>(a)</i>			X												
36. Anthracene (120-12-7) <i>(a)</i>			X												
46. Benzidine (92-87-8) <i>(a)</i>			X												
56. Benz[e] Anthracene (99-99-3) <i>(a)</i>			X												
66. Benz[e] Pyrene (90-32-8)			X												
76. 3,4-Benzofluoranthene (208-99-2)			X												
86. Benz[ghi] Perylene (191-24-2) <i>(b)</i>			X												
96. Benz[ghi] Pteranthrene (207-08-9)			X												
106. Bis (2-Chloroethyl) Methane (111-91-1)			X												
116. Bis (2-Chloroethyl) Ether (111-44-4) <i>(c)</i>			X												
126. Bis (2-Chloropropyl) Ether (30938-32-8)			X												
136. Bis (2-Ethylhexyl) Phthalate (117-81-7) <i>(c)</i>			X												
146. 4-Bromophenyl Phenyl Ether (101-88-3)			X												
156. Butyl Benzyl Phthalate (88-88-7)			X												
166. 2-Chloronaphthalene (91-88-7) <i>(a)</i>			X												
176. 6-Chlorobenzyl Phenyl Ether (7008-72-3)			X												
186. Chrysene (218-01-6) <i>(a)</i>			X												
196. Dibenz[ah] Anthracene (175-26-3)			X												
206. Dichloro-50-1)			X												
216. Chloro-73-1)			X												

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (continued)		
	USE OF FACILITY	USE OF FACILITY	B. MAXIMUM DAILY VALUE (1) MASS CONCENTRATION	B. MAXIMUM 30 DAY VALUE (2) MASS CONCENTRATION	C. LONG TERM (1) CONCENTRATION	C. LONG TERM (2) MASS CONCENTRATION	D. NO. OF ANAL. YRS	A. LONG TERM AVERAGE VALUE (1) CONCENTRATION	A. LONG TERM AVERAGE VALUE (2) MASS CONCENTRATION
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>									
22B. 1,4-Dichlorobenzene (106-66-7)		X							
22B. 3,3'-Dichlorobenzidine (91-94-1)		X							
24B. Diethyl Phthalate (84-66-2)		X							
26B. Dimethyl Phthalate (131-11-3)		X							
26B. Di-N-Butyl Phthalate (84-74-2)		X							
27B. 2,4-Dinitrotoluenes (121-14-2)		X							
28B. 2,6-Dinitrotoluene (906-20-2)		X							
28B. Di-N-Octyl Phthalate (117-84-0)		X							
30B. 1,2-Diphenylhydrazine (or Azobenzene) (122-66-7)		X							
31B. Fluoranthene (206-44-0)		X							
32B. Fluorene (86-73-7)		X							
33B. Hexachlorobenzene (118-71-1)		X							
34B. Hexachlorobutadiene (87-68-3)		X							
36B. Hexachlorocyclopentadiene (177-47-4)		X							
38B. Hexachloroethane (87-72-1)		X							
37B. Indeno (1,2,3-cd) Pyrene (193-39-6)		X							
39B. Isophorone (78-59-1)		X							
40B. Naphthalene (91-20-3)		X							
41B. Nitrobenzene (98-06-3)		X							
42B. N-Nitrosodimethylamine (52-78-5)		X							
43B. N-Nitrosodipropylamine (621-64-7)		X							

CONTINUED FRC IE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'A'	3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
		6. MAXIMUM DAILY VALUE (1) concentration (2) mass	7. MAXIMUM 30 DAY VALUE (1) concentration (2) mass	8. CONCEN- TRATION	9. MASS	10. LONG TERM AVERAGE VALUE (1) concen- tration (2) mass	11. NO. OF ANAL- YSES
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)							
438. N-Hit-67 sodichloroethylene (186-30-3) 25.3	X						
448. N-Hit-68 1,1,1-trichloroethane (70-14-0) 25.3	X						
458. N-Hit-69 1,1,1-trichloroethane (70-14-0) 25.3	X						
468. N-Hit-70 1,1,1-trichloroethane (70-14-0) 25.3	X						
GC/MS FRACTION - PESTICIDES							
15. N-Hit-71 1,1,1-trichloroethane (70-14-0) 25.3	X						
25. N-Hit-72 1,1,1-trichloroethane (70-14-0) 25.3	X						
35. N-Hit-73 1,1,1-trichloroethane (70-14-0) 25.3	X						
45. N-Hit-74 1,1,1-trichloroethane (70-14-0) 25.3	X						
55. N-Hit-75 1,1,1-trichloroethane (70-14-0) 25.3	X						
65. N-Hit-76 1,1,1-trichloroethane (70-14-0) 25.3	X						
75. N-Hit-77 1,1,1-trichloroethane (70-14-0) 25.3	X						
85. N-Hit-78 1,1,1-trichloroethane (70-14-0) 25.3	X						
95. N-Hit-79 1,1,1-trichloroethane (70-14-0) 25.3	X						
105. N-Hit-80 1,1,1-trichloroethane (70-14-0) 25.3	X						
115. N-Hit-81 1,1,1-trichloroethane (70-14-0) 25.3	X						
125. N-Hit-82 1,1,1-trichloroethane (70-14-0) 25.3	X						
135. N-Hit-83 1,1,1-trichloroethane (70-14-0) 25.3	X						
145. N-Hit-84 1,1,1-trichloroethane (70-14-0) 25.3	X						
155. N-Hit-85 1,1,1-trichloroethane (70-14-0) 25.3	X						
165. N-Hit-86 1,1,1-trichloroethane (70-14-0) 25.3	X						
175. N-Hit-87 1,1,1-trichloroethane (70-14-0) 25.3	X						
185. N-Hit-88 1,1,1-trichloroethane (70-14-0) 25.3	X						
195. N-Hit-89 1,1,1-trichloroethane (70-14-0) 25.3	X						
205. N-Hit-90 1,1,1-trichloroethane (70-14-0) 25.3	X						

EPA I.D. NUMBER (copy from Item 1 of Form 1) NJ0025411

OUTFALL NUMBER 464

Form Approved OMB No. 180-R0173

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (if available)			
	A. TEST METHOD	B. RECEIVED FROM	C. RECEIVED AS	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	A. CONCENTRATION	B. MASS	e. LONG TERM AVERAGE VALUE		f. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GCMS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-87-3)			X												
18P. PCB-1242 (63488-21-9)			X												
19P. PCB-1284 (11087-88-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-18-8)			X												
22P. PCB-1248 (12872-28-8)			X												
23P. PCB-1280 (11088-82-8)			X												
24P. PCB-1018 (12874-11-2)			X												
25P. Toxaphene (8001-36-2)			X												