POWER AUTHORITY OF THE STATE OF NEW YORK

10 COLUMBUS CIRCLE NEW YORK, N. Y. 10019

(212) 397-6200

TRUSTEES

JOHN S. DYSON
CHAIRMAN

GEORGE L. INGALLS
VICE CHAIRMAN

RICHARD M. FLYNN

ROBERT I. MILLONZI

FREDERICK R. CLARK

GEORGE T. BERRY
PRESIDENT & CHIEF OPERATING OFFICER

JOHN W. BOSTON
EXECUTIVE VICE PRESIDENT—PROCEDURES & PERFORMANCE

JOSEPH R. SCHMIEDER
EXECUTIVE VICE PRESIDENT & CHIEF ENGINEER

LEROY W. SINCLAIR
SENIOR VICE PRESIDENT & CHIEF FINANCIAL OFFICER

THOMAS R. FREY
SENIOR VICE PRESIDENT & GENERAL COUNSEL

RECEIVED
JUL 13 1981
U.S. NUCLEAR REGULATORY COMMISSION

July 6, 1981
IPN-81-49

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: Indian Point 3 Nuclear Power Plant
Docket No. 50-286
Application for Renewal of the SPDES Permit

Dear Mr. Denton:

Enclosed, herewith, is a copy of the application for renewal of the SPDES permit for Indian Point Unit Nos. 1 and 2, and the Indian Point 3 Nuclear Power Plant. This submittal satisfies the requirements of Section 3.2 of the Environmental Protection Plan of the Environmental Technical Specification Requirements.

Very truly yours,

J. P. Bayne
Senior Vice President
Nuclear Generation

Enclosure
cc: New York State Department of
Environmental Conservation w/o

Hon. George V. Begany
Village of Buchanan
Buchanan, New York 10511

Mr. T. Rebelowski, Resident Inspector
U. S. Nuclear Regulatory Commission
P. O. Box 38
Buchanan, New York 10511

Mr. Ron Barton
United Engineers & Constructors, Inc.
30 S. 17th Street
Philadelphia, Pa. 19101

C002
S
1/1

8107140223 810706
PDR ADOCK 05000286
P PDR

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
AND
POWER AUTHORITY OF THE STATE OF NEW YORK

June 15, 1981

Mr. George K. Hansen, P.E.
Chief, P.D.E.S. Permit Section, Room 201
New York State Department
of Environmental Conservation
50 Wolf Road
Albany, New York 12233

Re: SPDES Permit Renewal Application
NY 0004472

Dear Mr. Hansen:

The Consolidated Edison Company of New York, Inc. (Con Edison) and the Power Authority of the State of New York (Power Authority), in response to your Notice dated January 9, 1981, are supplementing, with this letter, their joint State Pollutant Discharge Elimination System (SPDES) permit renewal application dated September 25, 1979 which was originally submitted with the $300.00 application fee. The filing deadline in the Notice was extended to June 15, 1981 by your letter to Mr. John Nutant dated April 20, 1981.

The renewal application is for SPDES permit No. 0004472 for the combined effluents from Con Edison's Indian Point Station Units Nos. 1 and 2 and the Power Authority's Indian Point No. 3 Nuclear Power Plant. The principal requirement satisfied by this supplement to the original application is the requirement to conduct priority pollutant sampling pursuant to regulatory requirements under the Clean Water Act.

Following the original joint submittal by Con Edison and the Power Authority on September 25, 1979 the New York State Department of Environmental Conservation (DEC) sent us a Notice of Incomplete Application dated November 23, 1979. In response to DEC's Notice we submitted additional information on December 13, 1979 and met with a DEC representative at Indian Point on January 3, 1980. Sixty days after that meeting, in accordance with the State's Uniform Procedures, the application was complete. In response to your letter dated March 28, 1980 Con Edison agreed to DEC's request for additional time to process the application and stated Con Edison's position that the application was complete in a Con Edison letter dated April 14, 1980.

The January 9, 1981 Notice requests the $300.00 application fee "in all cases." We have enclosed the additional fee of $300.00 with this supplement to insure there is no delay

in processing. However, we believe your acceptance of the second $300.00 will penalize us for ministerial activities, which occurred after the original application was complete, and were beyond our control. Because this submittal supplements the original application and would be unnecessary if the original was timely processed, we submit that the additional fee should be returned.

This supplement to the original submittal contains an Application Form 1 for Con Edison and an Application Form 1 for the Power Authority to properly reflect independent Con Edison and Power Authority ownership and operation of their respective units. Certain information required for Application Form 1 was submitted with the original renewal application dated September 25, 1979 and is incorporated by reference to that submittal.

Certain information presented in Form 2C can also be found in the September 25, 1979 application. Discharge 001, as described in the current permits, consists of two separate waste streams, one from the combined condenser cooling water systems of Units 1,2, and 3 and the other from the sewage treatment plant. Each waste stream was sampled separately before confluence in the discharge canal and these results are reported on Form 2C. The intake results on Form 2C for the condenser cooling water system are the average of the readings taken at the separate intakes for Units 2 and 3. The source of water for the sewage treatment plant is city water and, therefore, intake readings for this source were not taken. The EPA I.D. number, a Dun and Bradstreet number, required for Form 1 and Form 2C, was not available from EPA as of June 1, 1981 for Con Edison.

The New York State Industrial Chemical Survey was submitted as part of the September 25, 1979 application. Signed statements attesting to the fact that this survey adequately reflects current usage are also enclosed.

Please contact us if you have any questions concerning this submittal.

Very truly yours,

Joseph Schmieder
Executive Vice President
and Chief Engineer
Power Authority of the
State of New York
10 Columbus Circle
New York, N.Y. 10019

John A. Nutant
Vice President
Consolidated Edison Company
of New York, Inc.
4 Irving Place
New York, N.Y. 10003

MB;jq

Enclosures

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York [illegible]3

Date of Notice
JAN 0 9 1981

2B 2C 2D
PP FV CP MP BI SP SE EM

Robert F. Flacke,
Commissioner

Are these labels correct? If not, please write corrections on the labels and return this notice (or a corrected copy) with the completed application.

Permittee Contact Name, Title, Address	Facility Name, Location, Permit No., Exp. Date
[illegible]MAN CARL VICE PRESIDENT CONSOLIDATED EDISON OF N Y INC [illegible] PLATT [illegible] NEW YORK, NY 10003	[illegible] POINT GENERATING STATION UNIT [illegible] (2) [illegible] [illegible] NY [illegible] EXPIRES-07/30 SIC 4911

Dear Applicant:

Enclosed you will find a series of forms that comprise a complete application package for your wastewater discharges. A number of forms, rather than a single form, is necessitated by the complexities of the program including both Federal and State jurisdictions.

The completed application forms must be received 180 days prior to the existing permit expiration date or the commencement of a discharge. Exception: An applicant using form 2C may return the completed package within 90 days of the date of this mailing. In all cases, the completed application must be accompanied by the proper application fee amount (see Fee Schedule). Only a check or money order payable to the "New York State Department of Environmental Conservation" is acceptable.

Below is a check list of the forms included in your package and an overview of each form. Instructions for completing the forms are provided.

1. [X] Application Form 1 - This is one of the application forms developed by EPA as part of their consolidation of information for four Federal programs, one of which is the N/SPDES water program. Form 1 provides general information about the applicant. Instructions are included in the application booklet. Also refer to New York State Supplemental Instructions.

2. Application Forms 2B, 2C, 2D - These application forms are also part of EPA's consolidated permit program, and they request detailed information necessary for preparation of a N/SPDES permit. The forms require careful reading of the instructions which are included in each application booklet. Also refer to New York State Supplemental Instructions.

   [ ] 2B Concentrated Animal feeding operations and Aquatic Animal production facilities

   [X] 2C Existing Manufacturing, Commercial, Mining and Silvicultural Operations

   [ ] 2D New Manufacturing, Commercial, Mining and Silvicultural Operations

3. [X] New York State supplemental instructions for application forms 1, 2B, 2C, 2D - The above application forms were prepared and printed by EPA. Supplemental instructions are necessary for adaptation by New York State. The supplemental instructions selectively supersede or supplement instructions in the booklets.

4. [X] New York State Industrial Chemical Survey - This form was developed by New York State and provides information on the use of substances of concern. This information complements the sampling information required in Forms 2B, 2C, and 2D, and provides an information base for determining the potential for discharge of substances of concern.

5. [X] Application Fee Schedule and Filing Locations for SPDES Permit Applications

6. [ ] Application Supplements for Specific Industries - For many industries, detailed production information is required to develop production based effluent limits. When possible, New York State has developed supplements that enable us to obtain the information easily and accurately.

Questions regarding completion of the forms included with this package should be referred to this office.

cc: Region #[illegible]
Tickler File

PDES Permit Section, Room 201
New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

Robert F. Fla
Commissioner

April 20, 1981

Mr. John A. Nutant, Vice President
Consolidated Edison Co. of New York, Inc.
4 Irving Place
New York, New York 10003

Re: YOUR REQUEST FOR EXTENSION OF TIME
TO FILE SPDES RENEWAL APPLICATIONS
NY-0027065, Indian Point Generating Station
NY-0107522, Astoria Central Waste Facility

Your request for an extension of time is:

☐ Denied. Reason:

☒ Granted. The new filing deadline is June 15, 1981.

Additional Comments:

None

If you have any questions regarding this letter, please call this office at (518) 457-4125 and ask for Mr. Robert D'Angelo.

Very truly yours,

Robert D'Angelo

or) George K. Hansen, P.E.
Chief, P.D.E.S. Permit Section
Division of Water

cc: Region #2, 3
Mrs. Fonda (2)
~~Xxxxxxxxxx~~
SPDES File (2)

91-16-4(3/81)

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

F

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, it in the designated space. Review the inf ation carefully; if any of it is incorrect, through it and enter the correct data i appropriate fill-in area below. Also, if a the preprinted data is absent *(the area to left of the label space lists the inform that should appear)*, please provide it i proper fill-in area*(s)* below. If the lab complete and correct, you need not com Items I, III, V, and VI *(except VI-B must be completed regardless)*. Complet items if no label has been provided. Ref the instructions for detailed item de tions and for the legal authorizations which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to a questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third colun if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activi is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATT
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X		X	D. Is this a proposed facility *(other than those described in A or B above)* which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3)		X		F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X		J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP INDIAN POINT STATION UNITS NOS. 1 AND 2

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
2 KEEGAN, ROBERT T. DIRECTOR	212 460 4833

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 CON EDISON RM 1026 4 IRVING PL

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 NEW YORK	NY	10003

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 BROADWAY AND BLEAKLEY AVE

B. COUNTY NAME

WESTCHESTER

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
6 BUCHANAN	NY	10511	

VII. SIC CODES (4-digit, in order of priority)

A. FIRST	B. SECOND
4912 (specify) Electric Utility Nuclear Production Plant	7 (specify)
C. THIRD	**D. FOURTH**
(specify)	7 (specify)

VIII. OPERATOR INFORMATION

A. NAME: CONSOLIDATED EDISON CO. OF NEW YORK INC.

B. Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)
F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC (other than federal or state)
O = OTHER (specify)

P (specify)

D. PHONE (area code & no.): A 212 460 4833

E. STREET OR P.O. BOX: 4 IRVING PLACE ROOM 1026

F. CITY OR TOWN: NEW YORK

G. STATE: NY

H. ZIP CODE: 10003

IX. INDIAN LAND
Is the facility located on Indian lands? [ ] YES [X] NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water): N NY 0000 4472

B. UIC (Underground Injection of Fluids): U

C. RCRA (Hazardous Wastes): R NYT 370011645

D. PSD (Air Emissions from Proposed Sources): 9 P

E. OTHER (specify): 9 NY 0147711 (specify) SPDES Permit Indian Point No. 2 Septic System

E. OTHER (specify): 9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements. See "Nature of Business" Note 1.

XII. NATURE OF BUSINESS (provide a brief description)

See Applicant and Production Data, Application Form "C" submitted September 25, 1979.

Note 1.

See Figures 1 to 8 to Supplement for Application Form C submitted September 25, 1979.

XIII. CERTIFICATION (see instructions)

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 persons immediately responsible for obtaining the information contained in the application, 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. SIGNATURE	C. DATE SIGNED
John A. Nutant Vice President	John A. Nutant	

COMMENTS FOR OFFICIAL USE ONLY

6/5/81

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER: F N Y D 0 8 5 5 0 3 7 4 6

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK "X" YES	MARK "X" NO	MARK "X" FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge to waters of the U.S.**? (FORM 2A)		X	
B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X		X
D. Is this a proposed facility *(other than those described in A or B above)* which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)		X	
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	
J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

SKIP: I N D I A N P O I N T N O. 3 N U C L E A R P O W E R P L A N T

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
B L A K E J O H N W D I R E C T O R	2 1 2 3 9 7 2 9 4 1

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX: P O W E R A U T H O R I T Y 1 0 C O L U M B U S C I

B. CITY OR TOWN	C. STATE	D. ZIP CODE
N E W Y O R K	N Y	1 0 0 1 9

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: B R O A D W A Y A N D B L E A K L E Y A V E.

B. COUNTY NAME: W E S T C H E S T E R

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
B U C H A N A N	N Y	1 0 5 1 1	

VII. SIC CODES (4 digit, in order of priority)

A. FIRST	B. SECOND
7 (specify)	7 (specify)

C. THIRD	D. FOURTH
7 (specify)	7 (specify)

VIII. OPERATOR INFORMATION

A. NAME: POWER AUTHORITY OF THE STATE OF NEW YORK

B. Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)

F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC (other than federal or state)
O = OTHER (specify)

(specify) See "Nature of Business" Note 1

D. PHONE (area code & no.): A 212 397 294

E. STREET OR P.O. BOX: 10 COLUMBUS CIRCLE

F. CITY OR TOWN: NEW YORK

G. STATE: NY

H. ZIP CODE: 10019

IX. INDIAN LAND

Is the facility located on Indian lands? [ ] YES [X] NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water): 9 N NY 0027065	D. PSD (Air Emissions from Proposed Sources): 9 P
B. UIC (Underground Injection of Fluids): 9 U	E. OTHER (specify): 9 (specify)
C. RCRA (Hazardous Wastes): 9 R	E. OTHER (specify): 9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements. See "Nature of Business" Note 2

XII. NATURE OF BUSINESS (provide a brief description)

See Applicant and Production Data, Application Form "C" submitted September 25, 1979.

Notes

1. See Attachment C to Application Form "C" submitted September 25, 1979.

2. See Figures 1 to 8 to Supplement for Application Form C submitted September 25, 1979

XIII. CERTIFICATION (see instructions)

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 persons immediately responsible for obtaining the information contained in the application, 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. SIGNATURE	C. DATE SIGNED
Joseph Schmieder, Executive Vice President and Chief Engineer	Joseph K. Schmieder	6/15/81

COMMENTS FOR OFFICIAL USE ONLY

C

Please print or type in the unshaded areas only | IP 3 NY DO 85503746 | Form Approved 0348 Bo 158 R0175

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.

A. OUTFALL NUMBER (list)	B. LATITUDE 1. DEG.	2. MIN.	3. SEC.	C. LONGITUDE 1. DEG.	2. MIN.	3. SEC.	D. RECEIVING WATER (name)
001	41	16	20	73	57	10	Hudson 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. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW a. OPERATION (list)	b. AVERAGE FLOW (include units)	3. TREATMENT a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Cooling Water	2800 MGD	Chlorination	2-F	4A
	Boiler Blowdown	.34 MGD	Neutralization	2-K	4A
	Ion Exch. Regenerants	.082 MGD	Neutralization	2-K	4A
	Sewage Treatment Plant	.02 MGD	Chlorination	2-F	4A

CONTINUED FROM THE FRONT

C. Except for storm runoff [illegible] Items II-A or B intermittent or seasonal?

X NO [illegible]

1. OUTFALL NUMBER (list)	2. OPERATION & CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		b. TOTAL VOLUME (specify with units)		c. DURATION (in days)
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	

III. MAXIMUM PRODUCTION

A. Does an effluent [illegible] Clean Water Act apply to your facility?

[X] YES (complete Item III-B) [ ] NO (to to Section IV)

[illegible] production (or other measure of operation)?

[ ] YES (complete Item III-C) [X] NO (go to Section IV)

[illegible]

[illegible]

[illegible] any implementation schedule for the construction, upgrading or operation of waste-[illegible] affect the discharges described in this application? This includes [illegible]

[illegible] [X] NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	a. NO.	b. SOURCE OF DISCHARGE	3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
				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

CONTINUE ON PAGE 3

IP 1 & 2 Unknown

CONTINUED FROM PAGE 2

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

IP 3 NYDO 85503746

Form Approved OMB No. 158-R0173

VOLUME 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.

D. 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
NONE			

X

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 V-C below) X NO (go to section VII)

CONTINUED FROM THE FRONT

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 or on a receiving water in relation to your discharge within the last 3 years?

☐ YES *(identify the test(s) and describe their purposes below)* ☒ NO *(go to Section VIII)*

☒ 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)
NUS Corp. Cyrus WM. Rice Div. Analystical Services Laboratory	15 Noble Ave. Pittsburgh, PA 15202	(412) 343-9200	ALL

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.)
John A. Nutant Vice President - Con Edison/ Joseph Schmieder, Executive VP Chief Engineer - PASNY	(212) 460-4940/(212) 397-62
C. SIGNATURE John Nutant 6/15/81 J. Schmieder 6/15/81	D. DATE SIGNED

PLEASE PRINT OR TYPE IN T[illegible] UNSHADED ARE[illegible] this information on separate she[illegible] use the same form. SEE INSTRUCTIONS.

IP 1 & 2 Unknown
IP 3 NYDO 85503746

Indian Point Condenser Cooling Water

Form Approved OMB No. 158-[illegible]

OUTFALL NO. 001

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page V-1)

PART A - You must provide the results of at least one analysis for every pollutant in this section.

1. POLLUTANT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONCENTRATION	(2) MASS	c. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	<1.	<23324					
b. Chemical Oxygen Demand (COD)	13	3.0×10^5					
c. Total Organic Carbon (TOC)	14	3.2×10^5					
d. Total Suspended Solids (TSS)	50	1.2×10^6					
e. Ammonia (as N)	0.12	2799					
f. Flow	VALUE 2800 MGD		VALUE				
g. Temperature (winter)	VALUE 10		VALUE				
h. Temperature (summer)	VALUE 40		VALUE				
i. pH	MINIMUM 6.7	MAXIMUM 7.3	MINIMUM	MAXIMUM			

PART B - Mark "X" in column 2-a for each pollutant you know or 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 in column 2-b, unless you qualify as a small business under the exception stated in the instructions. See the instructions for additional details and requirements.

1. POLLUTANTS AND CAS NO. (if available)	2. MARK "X" a. BELIEVED ABSENT	b. BELIEVED PRESENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONCENTRATION	(2) MASS	c. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES
a. Bromide (24959-67-9)	X		4	93296					
b. Chlorine, Total Residual	X		<0.2	<4664					
c. Color	X		0-5						
d. Fecal Coliform	X		89						
e. Fluoride (16984-48-8)	X		0.3	6997					
f. Nitrate-Nitrite (as N)	X		1.0	23324					

1. POLLUTANTS AND CAS NO. (if available)	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Bromide (24959-67-9)			4	93296	2
b. Chlorine, Total Residual			<0.2	<4664	8
c. Color			5-10		2
d. Fecal Coliform			650		8
e. Fluoride (16984-48-8)			0.6	13994	2
f. Nitrate-Nitrite (as N)			0.8	18659	2

1. POLLUTANTS	2. MARK "X" a. BELIEVED ABSENT	b. BELIEVED PRESENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONCENTRATION	(2) MASS	c. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
1									1	PPM	LBS	<1	<23324			2
2									1	PPM	LBS	14	3.2×10^5			2
3									1	PPM	LBS	10	2.3×10^5			2
4									1	PPM	LBS	3.4	79301			2
5									1	PPM	LBS	0.13	3032			2
6									1			VALUE 2800 MGD				1
7									1	°C		VALUE 1.1				1
8									1	°C		VALUE 23				1
9									1	STANDARD UNITS						

CONTINUE ON REVERSE

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X" a. BELIEVED PRESENT	b. BELIEVED ABSENT	3. EFFLUENT (1) CONCENTRATION	(2) MASS	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		0.76	17726	1	PPM	LBS	0.66	15393	2
h. Oil and Grease	X		< 1	<23324	4	PPM	LBS	< 1	<23324	8
i. Phosphorus (as P), Total (7723-14-0)	X		0.14	3265	1	PPM	LBS	0.12	2798	2
j. Radioactivity										
(1) Alpha, Total	X		<0.6		1	pCi/l		.5±.24		2
(2) Beta, Total	X		47±3		1	pCi/l		30±3		2
(3) Radium, Total		X								
(4) Radium 226, Total		X								
k. Sulfate (as SO_4) (14808-79-8)	X		214	5×10^6	1	PPM	LBS	193	4.5×10^6	2
l. Sulfide (as S)	X		<0.1	<2332	1	PPM	LBS	<0.1	<2332	2
m. Sulfite (as SO_3) (14265-45-3)	X		< 2	<46648	4	PPM	LBS	< 2	<46648	2
n. Surfactants	X		<0.01	<233	1	PPM	LBS	< 0.01	< 233	2
o. Aluminum, Total (7429-90-5)	X		1.9	44315	1	PPM	LBS	1.6	37318	2
p. Barium, Total (7440-39-3)	X		<0.2	<4664	1	PPM	LBS	<0.2	<4664	2
q. Boron, Total (7440-42-8)	X		0.3	6997	1	PPM	LBS	0.3	6997	
r. Cobalt, Total (7440-48-4)	X		< 0.02	<466	1	PPM	LBS	<0.02	<466	2
s. Iron, Total (7439-89-6)	X		2.0	46648	1	PPM	LBS	1.8	41983	2
t. Magnesium, Total (7439-95-4)	X		94	2.2×10^6	1	PPM	LBS	91	2.1×10^6	2
u. Molybdenum, Total (7439-98-7)	X		<0.05	<1166	1	PPM	LBS	<0.05	<1166	2
v. Manganese, Total (7439-96-5)	X		0.14	3265	1	PPM	LBS	0.13	3032	2
w. Tin, Total (7440-31-5)	X		< 1	<23324	1	PPM	LBS	< 1	<23324	2
x. Titanium, Total (7440-32-6)	X		< 2	<46648	1	PPM	LBS	< 2	<46648	2

CONTINUE ON PAGE V-3

IP 1 & 2 Unknown
IP 3 NYDO 85503746

001

Indian Point Condenser Cooling Water

Form Approved OMB No. 158-R0173

CONTINUED FROM PAGE 3

PART C - If you are a pr... for, Mark "X" ... column 2-a (se... to believe is pr... sults of at leas... See instruction...

1. POLLUTANT AND CAS NUMBER (if available)	2. MA... a. TESTING REQUIRED	b. LIEF...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
METALS, CYANIDE, AND T... PHENOLS																
1M. Antimony, Total (7440-36-0)	X	X		<0.1	<2332						1	PPM	LBS	<0.1	<2332	2
2M. Arsenic, Total (7440-38-2)	X	X		<0.005	<116						1	PPM	LBS	<0.005	<116	2
3M. Beryllium, Total (7440-41-7)	X	X		<0.02	<466						1	PPM	LBS	<0.02	<466	2
4M. Cadmium, Total (7440-43-9)	X	X		<0.01	<233						1	PPM	LBS	0.02	466	2
5M. Chromium, Total (7440-47-3)	X	X		<0.03	<699						1	PPM	LBS	<0.03	<699	2
6M. Copper, Total (7550-50-8)	X	X		0.02	466						1	PPM	LBS	0.02	466	2
7M. Lead, Total (7439-97-6)	X	X		<0.05	<1166						1	PPM	LBS	<0.05	<1166	2
8M. Mercury, Total (7439-97-6)	X	X		<0.2	<4.6						1	PPB	LBS	<0.2	<4.6	2
9M. Nickel, Total (7440-02-0)	X	X		0.03	699						1	PPM	LBS	0.02	466	2
10M. Selenium, Total (7782-49-2)	X	X		<0.005	<116						1	PPM	LBS	<0.005	<116	2
11M. Silver, Total (7440-22-4)	X	X		<0.02	<466						1	PPM	LBS	<0.02	<466	2
12M. Thallium, Total (7440-28-0)	X	X		<0.1	<2332						1	PPM	LBS	<0.1	<2332	2
13M. Zinc, Total (7440-66-6)	X	X		0.04	932						1	PPM	LBS	0.04	932	2
14M. Cyanide, Total (57-12-5)	X	X		<0.005	<116						1	PPM	LBS	<0.005	<116	2
15M. Phenols, Total	X	X		<0.005	<116						1	PPM	LBS	<0.005	<116	2
DIOXIN																
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X													

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MAR[illegible]			3. MAXIMUM DAI[illegible]			FFLUENT						7. UNITS		5. INTAKE (opt[illegible])		
	a. TESTING REQUIRED	b. [illegible]	[illegible]	a. MAXIMUM DAI[illegible] (1) CONCENTRATION			b. MAX[illegible] (1) CONCEN[illegible]	DAY VALUE (2) MASS		[illegible]	RG. VALUE (2) MASS	d. NO OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS																	
1V. Acrolein (107-02-8)	X		X	ND*											ND		
2V. Acrylonitrile (107-13-1)	X		X	ND											ND		
3V. Benzene (71-43-2)	X		X	ND											ND		
4V. Bis (Chloromethyl) Ether (542-88-1)	X		X	ND											ND		
5V. Bromoform (75-25-2)	X		X	ND											ND		
6V. Carbon Tetrachloride (56-23-5)	X		X	ND											ND		
7V. Chlorobenzene (108-90-7)	X		X	ND											ND		
8V. Chlorodibromomethane (124-48-1)	X		X	ND											ND		
9V. Chloroethane (75-00-3)	X		X	ND											ND		
10V. 2-Chloroethylvinyl Ether (110-75-8)	X		X	ND											ND		
11V. Chloroform (67-66-3)	X		X	ND											ND		
12V. Dichlorobromomethane (75-27-4)	X		X	ND											ND		
13V. Dichlorodifluoromethane (75-71-8)	X		X	ND											ND		
14V. 1,1-Dichloroethane (75-34-3)	X		X	ND											ND		
15V. 1,2-Dichloroethane (107-06-2)	X		X	ND											ND		
16V. 1,1-Dichloroethylene (75-35-4)	X		X	ND											ND		
17V. 1,2-Dichloropropane (78-87-5)	X		X	ND											ND		
18V. 1,2-Dichloropropylene (542-75-6)	X		X	ND											ND		
19V. Ethylbenzene (100-41-4)	X		X	ND											ND		
20V. Methyl Bromide (74-83-9)	X		X	ND											ND		
21V. Methyl Chloride (74-87-3)	X		X	ND											ND		

EPA Form 3510-2C (6-80) *

CONTINUE ON PAGE V

IP 1 & 2 Unknown

IP 3 NYDU 85503746

001

Cooling Water

CONTINUED FROM PAGE V-

1. POLLUTANT AND CAS NUMBER (if available)	2. MA…												5. INTAKE (o…		
													4. LONG TERM AVERAGE VALUE		
													(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLA…															
22V. Methylene Chloride (75-09-2)	X		X	ND									ND		
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	ND									ND		
24V. Tetrachloroethylene (127-18-4)	X		X	ND									ND		
25V. Toluene (108-88-3)	X		X	ND									ND		
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	ND									ND		
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	ND									ND		
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	ND									ND		
29V. Trichloroethylene (79-01-6)	X		X	ND									ND		
30V. Trichlorofluoromethane (75-69-4)	X		X	ND									ND		
31V. Vinyl Chloride (75-01-4)	X		X	ND									ND		
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X		X	ND									ND		
2A. 2,4-Dichlorophenol (120-83-2)	X		X	ND									ND		
3A. 2,4-Dimethylphenol (105-67-9)	X		X	ND									ND		
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	ND									ND		
5A. 2,4-Dinitrophenol (51-28-5)	X		X	ND									ND		
6A. 2-Nitrophenol (88-75-5)	X		X	ND									ND		
7A. 4-Nitrophenol (100-02-7)	X		X	ND									ND		
8A. P-Chloro-M-Cresol (59-50-7)	X		X	ND									ND		
9A. Pentachlorophenol (87-86-5)	X		X	ND									ND		
10A. Phenol (108-95-2)	X		X	ND									ND		
11A. 2,4,6-Tri-													ND		

CONTINUED FROM THE FRO

1. POLLUTANT AND CAS NUMBER (if available)	2. MAR												5. INTAKE (opt)	
													AVERAGE	
CC/MS FRACTION — BASE/N														
1B. Acenaphthene (83-3[illegible]9)	X		X	ND									ND	
2B. Acenaphtylene (208-[illegible]6-8)	X		X	ND									ND	
3B. Anthracene (120-12-7)	X		X	ND									ND	
4B. Benzidine (92-8[illegible]-5)	X		X	ND									ND	
5B. Benzo (a) Anthracene (56-5[illegible]-3)	X		X	ND									ND	
6B. Benzo (a) Pyrene (50-32-8)	X		X	ND									ND	
7B. 3,4-Benzo-fluoranthene (205-[illegible]-2)	X		X	ND									ND	
8B. Benzo (ghi) Perylene (191-[illegible]4-2)	X		X	ND									ND	
9B. Benzo (k) Fluoranthene (207-[illegible]-9)	X		X	ND									ND	
10B. Bis (2-Chloro-ethoxy) Methane (111-[illegible]-1)	X		X	ND									ND	
11B. Bis (2-Chloro-ethyl) Ether (111-[illegible]4-4)	X		X	ND									ND	
12B. Bis (2-Chloro-isopropyl) Ether (3[illegible]-32-9)	X		X	ND									ND	
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)	X		X	ND									ND	
14B. 4-Bromo-phenyl-Phenyl Ether (101-55-3)	X		X	ND									ND	
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	ND									ND	
16B. 2-Chloro-naphthalene (91-5[illegible]-7)	X		X	ND									ND	
17B. 4-Chloro-phenyl-Phenyl Ether (7005-72-3)	X		X	ND									ND	
18B. Chrysene (218-[illegible]1-9)	X		X	ND									ND	
19B. Dibenzo (a,h) Anthracene (53-7[illegible]-3)	X		X	ND									ND	
20B. 1,2-Dichloro-benzene (95-[illegible]0-1)	X		X	ND									ND	
21B. 1,3-Dichloro-benzene (541-73-1)	X		X	ND									ND	

EPA Form 3510-2C (6-80)

V-6

CONTINUE ON PAGE V-7

IP 1 & 2 Unknown

IP 3 NYDO 85503746

001

Indian Point Condenser Cooling Water

CONTINUED FROM PAGE V-6

| 1. POLLUTANT AND CAS NUMBER (if available) | 2. MARK | | |

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARKET			3. MAXIMUM DAILY VALUE		4. MAXIMUM DAILY VALUE		5. INTAKE (optional)						
	a. TESTING REQUIRED	b. LIMITS REQUIRED	c. MANUFACTURE	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	4. NO. OF ANALYSES	1. CONCENTRATION	2. MASS	8. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	9. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS																	
43B. N-Nitrosodiphenylamine (86-30-6)	X		X	ND											ND		
44B. Phenanthrene (85-01-8)	X		X	ND											ND		
45B. Pyrene (129-00-0)	X		X	ND											ND		
46B. 1,2,4-Trichlorobenzene (120-82-1)	X		X	ND											ND		
GC/MS FRACTION – PESTICIDES																	
1P. Aldrin (309-00-2)	X		X	ND											ND		
2P. α-BHC (319-84-6)	X		X	ND											ND		
3P. β-BHC (319-85-7)	X		X	ND											ND		
4P. γ-BHC (58-89-9)	X		X	ND											ND		
5P. δ-BHC (319-86-8)	X		X	ND											ND		
6P. Chlordane (57-74-9)	X		X	ND											ND		
7P. 4,4'-DDT (50-29-3)	X		X	ND											ND		
8P. 4,4'-DDE (72-55-9)	X		X	ND											ND		
9P. 4,4'-DDD (72-54-8)	X		X	ND											ND		
10P. Dieldrin (60-57-1)	X		X	ND											ND		
11P. α-Endosulfan (115-29-7)	X		X	ND											ND		
12P. β-Endosulfan (115-29-7)	X		X	ND											ND		
13P. Endosulfan Sulfate (1031-07-8)	X		X	ND											ND		
14P. Endrin (72-20-8)	X		X	ND											ND		
15P. Endrin Aldehyde (7421-93-4)	X		X	ND											ND		
16P. Heptachlor (76-44-8)	X		X	ND											ND		

EPA Form 3510-2C (6-80)

P V 8

CONTINUE ON PAGE V-9

IP 1 & 2 Unknown

Indian Point Condenser
Cooling Water

EPA I.D. NUMBER (copy from Item 1 of Form 1) IP 3 NYD0 85503746

OUTFALL NUMBER 001

Form Approved OMB No. 158-R0173

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. TEST REQUIRED	b. REQUIRED PRESENT	c. REQUIRED ABSENT	3. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM (if available) (1) CONCENTRATION	FULL DAY (if available) (2)	4. LONG TERM (if available) (1) CONCENTRATION	(2) MASS	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – PESTICIDES (continued)														
17P. Heptachlor Epoxide (1024-57-3)	X		X	ND								ND		
18P. PCB-1242 (53469-21-9)	X		X	ND								ND		
19P. PCB-1254 (11097-69-1)	X		X	ND								ND		
20P. PCB-1221 (11104-28-2)	X		X	ND								ND		
21P. PCB-1232 (11141-16-5)	X		X	ND								ND		
22P. PCB-1248 (12672-29-6)	X		X	ND								ND		
23P. PCB-1260 (11096-82-5)	X		X	ND								ND		
24P. PCB-1016 (12674-11-2)	X		X	ND								ND		
25P. Toxaphene (8001-35-2)	X		X	ND								ND		

EPA Form 3510-2C (6-80)

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

OUTFALL NUMBER (copy from Item 1 of Form 1)
IP 1 & 2 Unknown
IP 3 NYDO 85503746

Indian Point
Sewage Treatment Plant

Form Approved OMB No. 158-R0173

OUTFALL NUMBER 001

V. INTAKE AND EFFLUENT CHARACTERISTICS

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

1. POLLUTANT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	a. MAXIMUM 30 DAY VALUE (1) CONCENTRATION	(2) MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES	3. UNITS (specify if blank) a. CONCENTRATION	b. MASS	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD5)	9	1.5					1	PPM	LBS			
b. Chemical Oxygen Demand (COD)	58	9.7					1	PPM	LBS			
c. Total Organic Carbon (TOC)	24	4.0					1	PPM	LBS			
d. Total Suspended Solids (TSS)	14	2.3					1	PPM	LBS			
e. Ammonia (as N)	18	3.0					1	PPM	LBS			
f. Flow	VALUE 0.02 MGD		VALUE		VALUE		1			VALUE		
g. Temperature (winter)	VALUE 10		VALUE		VALUE		1	°C		VALUE		
h. Temperature (summer)	VALUE 40		VALUE		VALUE		1	°C		VALUE		
i. pH	MINIMUM 5.5	MAXIMUM 6.2	MINIMUM	MAXIMUM			1	STANDARD UNITS				

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 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" a. BELIEVED PRESENT	b. BELIEVED ABSENT	MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	3. MAXIMUM 30 DAY VALUE (1) CONCENTRATION	(2) MASS	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Bromide (24959-67-9)	X		<2	<0.33					1	PPM	LBS			
b. Chlorine, Total Residual	X		<0.6	<0.1					4	PPM	LBS			
c. Color	X		30-40						1	APHA UNITS	LBS			
d. Fecal Coliform	X		9.6×10^2						4	FC/100ml	LBS			
e. Fluoride (16984-48-8)	X		0.5	0.08					1	PPM	LBS			
f. Nitrate-Nitrite (as N)	X		0.8	0.13					1	PPM	LBS			

1. POLLUTANT AND CAS NO. (if available)	2. MARK X: Believed Present	Believed Absent	a. MAX. DAILY VALUE (concentration)	b. MAX. 30-DAY VALUE (concentration)	3.					5. INTAKE (optional): a. MAX. DAILY VALUE (concentration)	b. MAX. 30-DAY VALUE (concentration)	
g. Nitrogen, Total Organic (as N)	X		4.5	0.75				1	PPM	LBS		
h. Oil and Grease	X		1	0.17				1	PPM	LBS		
i. Phosphorus (as P), Total (7723-14-0)	X		5.9	0.98				1	PPM	LBS		
j. Radioactivity												
(1) Alpha, Total	X		<1.6					1	pCi/l			
(2) Beta, Total	X		24±2					1	pCi/l			
(3) Radium, Total		X										
(4) Radium 226, Total		X										
k. Sulfate (as SO_4) (14808-79-8)	X		64	10.7				1	PPM	LBS		
l. Sulfide (as S)	X		<0.1	<0.016				1	PPM	LBS		
m. Sulfite (as SO_3) (14265-45-3)	X		< 2	<0.33				1	PPM	LBS		
n. Surfactants	X		0.02	0.003				1	PPM	LBS		
o. Aluminum, Total (7429-90-5)	X		0.5	0.08				1	PPM	LBS		
p. Barium, Total (7440-39-3)	X		<0.2	<0.03				1	PPM	LBS		
q. Boron, Total (7440-42-8)	X		0.2	0.03				1	PPM	LBS		
r. Cobalt, Total (7440-48-4)	X		< 0.02	<0.003				1	PPM	LBS		
s. Iron, Total (7439-89-6)	X		0.5	0.08				1	PPM	LBS		
t. Magnesium, Total (7439-95-4)	X		5.8	0.97				1	PPM	LBS		
u. Molybdenum, Total (7439-98-7)	X		<0.05	<0.008				1	PPM	LBS		
v. Manganese, Total (7439-96-5)	X		0.06	0.009				1	PPM	LBS		
w. Tin, Total (7440-31-5)	X		<1	<0.17				1	PPM	LBS		
x. Titanium, Total (7440-32-6)	X		< 2	<0.33				1	PPM	LBS		

7

Indian Point Sewage Treatment Plant

IP 1 & 2 Unknown
IP 3 NYDO 85503746

001

CONTINUED FROM PAGE 3 FORM 2-C

Form Approved OMB No. 158-R0173

PART C - If you are a pr[illegible] industry [illegible] ... [illegible] ... [illegible] ...

CONTINUED FROM THE FR

| 1. POLLUTANT AND CAS NUMBER (if available) | 2. MARK | | |

CONTINUED FROM PAGE V-

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"																	
GC/MS FRACTION – VOLATILE COMPOUNDS																		
22V. Methylene Chloride (75-09-2)	X		X	ND														
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	ND														
24V. Tetrachloroethylene (127-18-4)	X		X	ND														
25V. Toluene (108-88-3)	X		X	ND														
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	ND														
27V. 1,1,1-Trichloroethane (71-55-6)	X		X	ND														
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	ND														
29V. Trichloroethylene (79-01-6)	X		X	ND														
30V. Trichlorofluoromethane (75-69-4)	X		X	ND														
31V. Vinyl Chloride (75-01-4)	X		X	ND														
GC/MS FRACTION – ACID COMPOUNDS																		
1A. 2-Chlorophenol (95-57-8)	X		X	ND														
2A. 2,4-Dichlorophenol (120-83-2)	X		X	ND														
3A. 2,4-Dimethylphenol (105-67-9)	X		X	ND														
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	ND														
5A. 2,4-Dinitrophenol (51-28-5)	X		X	ND														
6A. 2-Nitrophenol (88-75-5)	X		X	ND														
7A. 4-Nitrophenol (100-02-7)	X		X	ND														
8A. P-Chloro-M-Cresol (59-50-7)	X		X	ND														
9A. Pentachlorophenol (87-86-5)	X		X	ND														
10A. Phenol (108-95-2)	X		X	ND														
11A. 2,4,6-Trichlorophenol (88-06-2)	X		X	ND														

CONTINUED FROM THE FR

| 1. POLLUTANT AND CAS NUMBER (if available) | 2. MA | | |

IP 1 & 2 Unknown

IP 3 NYDO 85503746

001

Sewage Treatment Plant

Form Approved OMB No. 158-R0173

CONTINUED FROM PAGE V

1. POLLUTANT AND CAS NUMBER (if available)	2. MA…													5. INTAKE (opt) a. LONG-TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/…																
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	ND												
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X	ND												
24B. Diethyl Phthalate (84-66-2)	X		X	ND												
25B. Dimethyl Phthalate (131-11-3)	X		X	ND												
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	ND												
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	ND												
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	ND												
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	ND												
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X		X	ND												
31B. Fluoranthene (206-44-0)	X		X	ND												
32B. Fluorene (86-73-7)	X		X	ND												
33B. Hexachlorobenzene (118-71-1)	X		X	ND												
34B. Hexachlorobutadiene (87-68-3)	X		X	ND												
35B. Hexachlorocyclopentadiene (77-47-4)	X		X	ND												
36B. Hexachloroethane (67-72-1)	X		X	ND												
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X		X	ND												
38B. Isophorone (78-59-1)	X		X	ND												
39B. Naphthalene (91-20-3)	X		X	ND												
40B. Nitrobenzene (98-95-3)	X		X	ND												
41B. N-Nitrosodimethylamine (62-75-9)	X		X	ND												
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X		X	ND												

CONTINUED FROM THE FR

| 1. POLLUTANT AND CAS NUMBER (if available) | 2. MARK "X" | | |

Indian Point
Sewage Treatment Plant

IP 1 & 2 Unknown

IP 3 NYDO 85503746 001

Form Approved OMB No. 15[illegible]

CONTINUED FROM PAGE V

1. POLLUTANT AND CAS NUMBER (Cont'd)	2. MA[illegible]															
GC/MS FRACTION – PESTI[illegible]																
17P. Heptachlor Epoxide (10[illegible]57-3)	X		X	ND												
18P. PCB-1242 (534[illegible]21-9)	X		X	ND												
19P. PCB-1254 (11097-69-1)	X		X	ND												
20P. PCB-1221 (11104-28-2)	X		X	ND												
21P. PCB-1232 (11141-16-5)	X		X	ND												
22P. PCB-1248 (12672-29-6)	X		X	ND												
23P. PCB-1260 (11096-82-5)	X		X	ND												
24P. PCB-1016 (12[illegible]4-11-2)	X		X	ND												
25P. Toxaphene (8001-35-2)	X		X	ND												

EPA Form 3510-2C (6-80)

V-9

☆U.S. GOVERNMENT PRINTING OFFICE: 1980—323 831 6356

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

ROBERT F. FLAC
Commissioner

N Y S D E C

State Pollutant Discharge Elimination System (SPDES)

Industrial Chemical Survey

The Industrial Chemical Survey (ICS) was initially sent to many industries in a mass mailing in 1976 and 1977. The ICS form has since been made a part of the SPDES renewal application to obtain from all industries an update of information for use in preparation of your SPDES permit.

Attached is the Industrial Chemical Survey Form, including the list of Substances of Concern. You are asked to review the list carefully. Note that there are broad classes of compounds and that the list used in the original and subsequent mailings has been expanded to include metals. It should also be noted that virtually all water treatment chemicals and additives are substances of concern and should be reported on Part III, and indicated as a water treatment chemical under Purpose or Use.

If the information on your most recently submitted Survey adequately reflects the attached survey, alternatively you may complete the statement below and return this page with your SPDES application.

We hereby state that our previous Industrial Chemical Survey, referenced below, adequately reflects current usage of the list of Substances of Concern received with this application.

Signature _____ Date 6/15/81

Name John A. Nutant Title Vice President

Date of Previous Survey September 25, 1979

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

ROBERT F. FLAC
Commissioner

N Y S D E C

State Pollutant Discharge Elimination System (SPDES)

Industrial Chemical Survey

The Industrial Chemical Survey (ICS) was initially sent to many industries in a mass mailing in 1976 and 1977. The ICS form has since been made a part of the SPDES renewal application to obtain from all industries an update of information for use in preparation of your SPDES permit.

Attached is the Industrial Chemical Survey Form, including the list of Substances of Concern. You are asked to review the list carefully. Note that there are broad classes of compounds and that the list used in the original and subsequent mailings has been expanded to include metals. It should also be noted that virtually all water treatment chemicals and additives are substances of concern and should be reported on Part III, and indicated as a water treatment chemical under Purpose or Use.

If the information on your most recently submitted Survey adequately reflects the attached survey, alternatively you may complete the statement below and return this page with your SPDES application.

We hereby state that our previous Industrial Chemical Survey, referenced below, adequately reflects current usage of the list of Substances of Concern received with this application.

Signature _____ Date 6/15/81

Name Joseph Schmieder Title Executive Vice President & Chief Engineer

Date of Previous Survey September 25, 1979