



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION
P.O. BOX 618, NORTH COUNTRY ROAD • WADING RIVER, N.Y. 11792

JOHN D. LEONARD, JR.
VICE PRESIDENT - OFFICE OF CORPORATE SERVICES
AND
VICE PRESIDENT - OFFICE OF NUCLEAR

SNRC-1901

FEB 14 1992

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

LILCO's Submittal of its Application for Renewal
of the New York State Pollutant Discharge Elimination System
(SPDES) Permit
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Gentlemen:

In accordance with Section 3.2 of the Shoreham Nuclear Power Station Environmental Protection Plan (Appendix B to NPF-82), LILCO hereby submits one copy of its application for renewal of the Shoreham SPDES permit (#1-4722-00108/00001-0).

Should you have any questions regarding the attached application please do not hesitate to contact my office.

Very truly yours,

J. D. Leonard, Jr.
Vice President, Office of Corporate Services and Office of Nuclear

GJG/ab
Attachment

cc: S. Brown w/o attachment
T. T. Martin "
B. Norris "

Cool
[Handwritten initials]



LONG ISLAND LIGHTING COMPANY

EXECUTIVE OFFICES 175 EAST OLD COUNTRY ROAD • HICKSVILLE, NEW YORK 11801

January 22, 1992

Mr. Robert Thurber
Senior Environmental Analyst
New York State Department
of Environmental Conservation
Building 40, SUNY Campus
Stony Brook, New York 11794

Re: Shoreham Nuclear Power Station SPDES Facility #NY0026344
NYSDEC Permit #1-4722-00108/00001-0

Dear Mr. Thurber:

Enclosed please find five copies of the application package for the renewal of the above referenced facility's SPDES permit. This application package includes the following:

1. A completed Application Form 1 - General Information (EPA Form 3510-1) and a USGS map.
2. Application Form 2C (EPA Form 3510-2C and a site drawing showing the SPDES outfalls and indicating the monitoring locations.
3. Copies of the laboratory analytical results.
4. A completed New York State Industrial Chemical Survey Form.
5. A completed form 2C Application Supplement for Steam Generating Facilities (SIC Code 4911).
6. A completed Thermal Discharge Supplement.
7. A Public Water Purveyors Supplement Form.
8. A check for \$300 to cover the application fee.
9. The Tax Map numbers for this facility are: District 200 Block-1, Lot-1, Section-083.
10. The NYSDEC permit application notice with the address corrected.
11. A completed DMR Supplement.

Mr. Robert Thurber
January 22, 1992
Page Two

Please be advised that this permit renewal application will be amended to add LIPA as a joint permittee with LILCO once the property is transferred pursuant to the "Amended and Restated Asset Transfer Agreement between LILCO, as transferor and LIPA, as transferee, dated as of June 16, 1988 as amended and restated as of April 14, 1989. Furthermore, LILCO and LIPA have negotiated a Site Cooperation Procedure that sets forth the responsibilities of the parties with respect to the SPDES permit.

If there are any questions regarding the submission of this application, please contact Ms. Cathy Waxman of my staff at (516) 391-6629.

Sincerely,

Madison N. Milhous

Madison N. Milhous, PE
Manager
Environmental Engineering Department

CW/mac

cc: Messrs. R. Greene (NYSDEC - Stony Brook) - w/o attach.
A. Yerman (NYSDEC - Stony Brook)
J. Maloney (SCDHS)
P. Kolakowski (NYSDEC - Albany) - w/o attach.
M. Papcun (NYSDEC - Stony Brook)

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DOCUMENT
PAGE PULLED**

SEE APERTURE CARDS

NUMBER OF OVERSIZE PAGES FILMED ON APERTURE CARDS

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APERTURE CARD/H. 3 COPY AVAILABLE FROM
RECORDS AND REPORTS MANAGEMENT BRANCH

FORM 1		U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program <i>(Read the "General Instructions" before starting.)</i>	I. EPA I.D. NUMBER F NY 0000706077
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			SPECIFIC QUESTIONS	MARK X		
	YES	NO	FORM ATTACHED		YES	NO	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: (1) 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 Shoreham Nuclear Power Station

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title) Milhaus, Madison N. Mgr. Env. Eng. B. PHONE (area code & no.) 516 391 6133

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX 3445 Broadhollow Road
 B. CITY OR TOWN Melville C. STATE NY D. ZIP CODE 11747

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER North Country Road
 B. COUNTY NAME Suffolk
 C. CITY OR TOWN Shoreham D. STATE NY E. ZIP CODE 11786 F. COUNTY CODE (if known)

CONTINUED FROM THE FRONT

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

A. FIRST				B. SECOND			
7	4	9	1	7			
(specify) Steam Electric Generating Station				(specify)			
C. THIRD				D. FOURTH			
7				7			
(specify)				(specify)			

VIII. OPERATOR INFORMATION

A. NAME												B. Is the name listed in VIII-A also owner?	
8 Long Island Lighting Company												<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
C. STATE OF OPERATOR (Enter the appropriate letter into the answer box. If "Other", specify.)								D. PHONE (area code & no.)					
F = FEDERAL		M = PUBLIC (other than federal or state)		P (specify)		A		516		391		6140	
S = STATE		O = OTHER (specify)											
P = PRIVATE													
E. STREET OR P.O. BOX													
175 East Old Country Rd.													
F. CITY OR TOWN						G. STATE		H. ZIP CODE		IX. INDIAN LAND			
B Hicksville						NY		11801		Is the facility located on Indian lands? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)				D. PSD (Air Emissions from Proposed Sources)			
9 N NY0026344				9 P			
B. UIC (Underground Injection of Fluids)				E. OTHER (specify)			
9 U				See attached list (specify)			
C. RCRA (Hazardous Wastes)				E. OTHER (specify)			
9 R				(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.

XII. NATURE OF BUSINESS (provide a brief description)

Facility was designed as a nuclear steam electric generating facility. Current status is inactive pursuant to decommissioning.

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	
William E. Steiger, Jr. V.P. Engineering & Construction				1/27/92	

COMMENTS FOR OFFICIAL USE ONLY

C											
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* An amended Form 1 will be submitted to add LIPA as a joint permittee once the property has been transferred pursuant to the "Amended and Restated Asset Transfer Agreement".

MIDDLE ISLAND QUADRANGLE
NEW YORK-SUFFOLK CO.
7.5 MINUTE SERIES PLANIMETRIC
NW/4 MORICHES 15' QUADRANGLE

WADING RIVER QUADRANGLE
NEW YORK-SUFFOLK CO.
7.5 MINUTE SERIES PLANIMETRIC
NE/4 MORICHES 15' QUADRANGLE

LONG
ISLAND
SOUND

HEROD

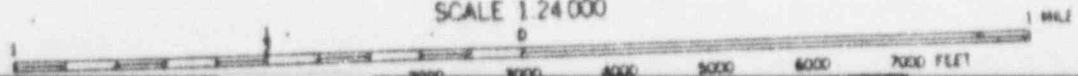
NEW YORK CITY URBAN AREA BOUNDARY IS DEFINED
AS FOLLOWING THE NORTH SHORE OF FIRE ISLAND



USGS MAP
SHOREHAM NUCLEAR POWER STATION

KEY: SNPS PROPERTY BOUNDARY ———

SCALE 1:24,000



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 tests) and describe 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?

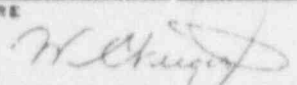
YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
Ecotest Laboratories, Inc.	377 Sheffield Ave. N. Babylon, New York 11703	516-422-5777	All except pH, temperature gross alpha, gross beta and radium 226.

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE (type or print) William E. Steiger, Vice President, Engineering	B. PHONE NO. (area code & no.) (516) 391-6140
C. SIGNATURE 	D. DATE SIGNED 1/21/92

CONTINUED FROM PAGE 2

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-6.

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			

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

YES (list all such pollutants below)

NO (go to Item VI-B)

Substances indicated in the Industrial Chemical Survey list may contain some of the elements or compounds listed in Part V-C.

CONTINUED FROM THE FRONT

C. 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)

1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				5. DURATION (in days)
		A. DAYS PER WEEK (specify average)	B. MONTHS PER YEAR (specify average)	6. FLOW RATE (in mgd)		7. TOTAL VOLUME (specify with units)		
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
004	Emergency Generator Cooling Water	1/month	12	816GPM	816 GPM	1.175 MGD	1.175 MGD	7 hrs/ month

III. 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 (go 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 level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
3. QUANTITY PER DAY	4. UNITS OF MEASURE	5. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
(This area is crossed out with a large X)			

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet an implementation schedule for the construction, upgrading or operation of waste-water treatment equipment or practices or any other environmental program, 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
(This area is crossed out with a large X)					

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

Please print or type in the unshaded areas only.

NYD000706077

FORM
20
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			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
CONTINUED FROM PREVIOUS PAGE							

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.

I. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT	
	B. OPERATION (list)	D. AVERAGE FLOW (include units)	B. DESCRIPTION	D. LIST CODES FROM TABLE 3C-1
004	Non-Contact Cooling Water for Emergency Generator		Once Through Cooling, No Treatment (Final Discharge Point for All of the Above is to Surface Waters)	4A
	Cooling	1.175 MGD		
	Screenwash Discharge			
	Through Fish Return	10,000 GPD Intermittent		
051	Sanitary	7,500 GPD (design capacity)	Septic Tank/Leaching Pools	
054	Sanitary	2,500 GPD (design capacity)	Septic Tank/Leaching Pools	
055	Sanitary	27,000 GPD (design capacity)	Septic Tank/Leaching Pools	
056	Sanitary	22,750 GPD (design capacity)	Septic Tank/Leaching Pools	

OFFICIAL USE ONLY (effluent guidelines sub-categories)

CONTINUED FROM THE FRONT

C. 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)

1. OUTFALL NUMBER (list)	2. OPERATION(S)/ CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				5. DUR- ATION (in days)
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	6. FLOW RATE (in mgd)		7. TOTAL VOLUME (specify with units)		
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
001a	Demineralizer Regen Waste	7	12	120GPM	150GPM	2000 GPD	50000 GPD	8hr/wk
001b	Radwaste Demineralizer	7	12	120GPM	150GPM	1500 GPD	50000 GPD	8hr/wk
002	Chlorine Monitor	7	9	5GPM	5GPM	7200 GPD	7200 GPD	24hr/day
003	Auxiliary Boiler Blowdown, Floor Drains and Control Bldg. Drains; Emergency Diesel Generator Bldg. Drains	7	12	8GPM	10GPM	2200 GPD	14400 GPD	24hr/day

III. 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 (go 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 level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			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. RE- QUIRED	b. PRO- JECTED

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

Please print or type in the unshaded areas only.

FORM 20 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.

X. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001	40	58	27.7	72	52	03.2	These Outfalls discharge to the Long Island Sound.
002	40	57	45	72	51	51	
003	40	57	44	72	52	01	
004	40	57	57.2	72	52	07.8	

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

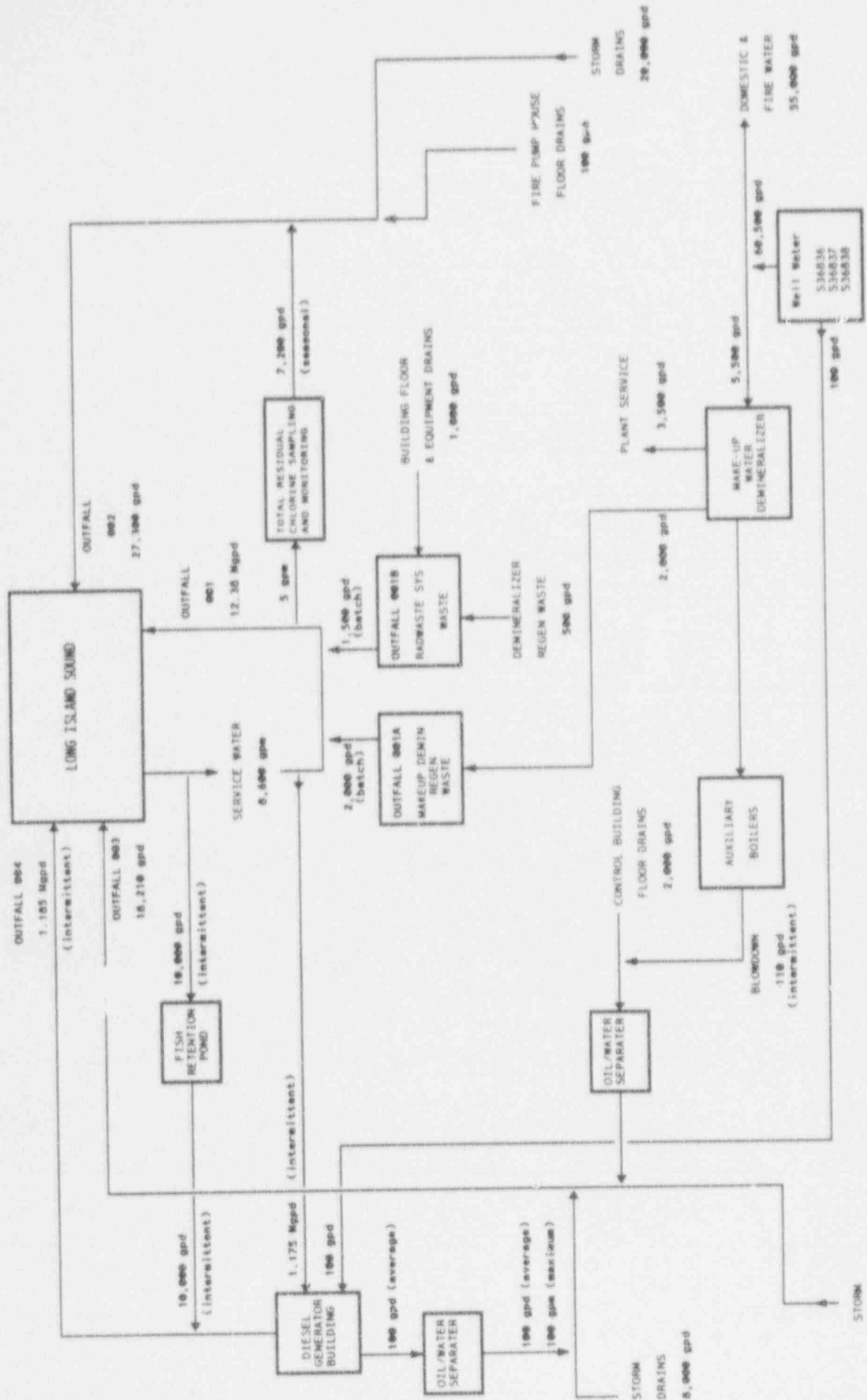
A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average 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 NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	B. OPERATION (list)	C. AVERAGE FLOW (include units)	D. DESCRIPTION	E. LIST CODES FROM TABLE 2C-1	
001	Non-Contact Cooling Water	8,600 gpm	Chlorination to Control Biofouling	4-B	2F
	Outfalls 001a and 001b	Intermittent			
001a	Make-up Demineralizer	2,000 GPD	Filter Beds, Multimedia	2-J	1-P
	Regeneration Wastes	(Batch Process)	Filter, Ion Exchange	4-B	1-Q
			pH neutralization	2-K	
001b	Radwaste System	1,500 GPD	Filter beds, multimedia	1-P	1-Q
	Demineralizer	(Batch Process)	Filter, Ion Exchange	2-K	2-J
	Regeneration Wastes		pH neutralization, recycle of treated effluent	4-B	4-C 1-C
002	Floor Drains: Fire Pump House	100 GPD	No Treatment Discharge to Surface Water	4-A	
	Chlorine Monitor	5 gpm			
	Stormwater	20,000 GPD			
	Auxiliary Boiler Blowdown	(110 GPD)			
003	Floor Drains and Control Building Drains	2,000	Discharge to Oil/Water	4-A	1-U
	Emergency Diesel Generator		Separator (Design Flow 100 GPM)		
	Building Drains	100 GPD	Discharge to Oil/Water		1-H
			Separator (Design Flow 100 GPM)		
	Stormwater	16,000 GPD	(Final Discharge Point for all of the above is to		

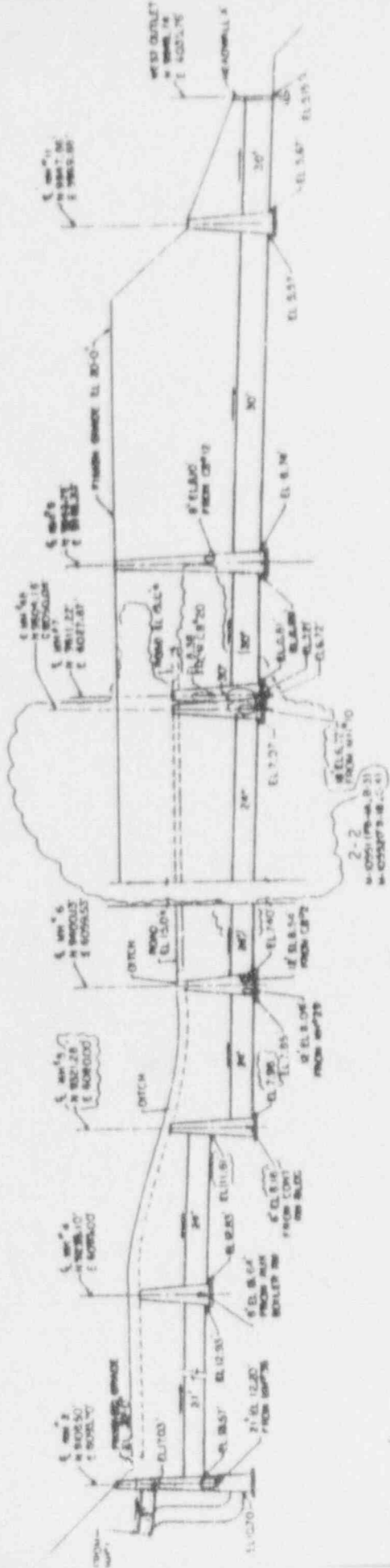
OFFICIAL USE ONLY (effluent guidelines sub-categories) Surface Waters)

SHOREHAM NUCLEAR POWER STATION
 WATER BALANCE
 SPODES NY0020344

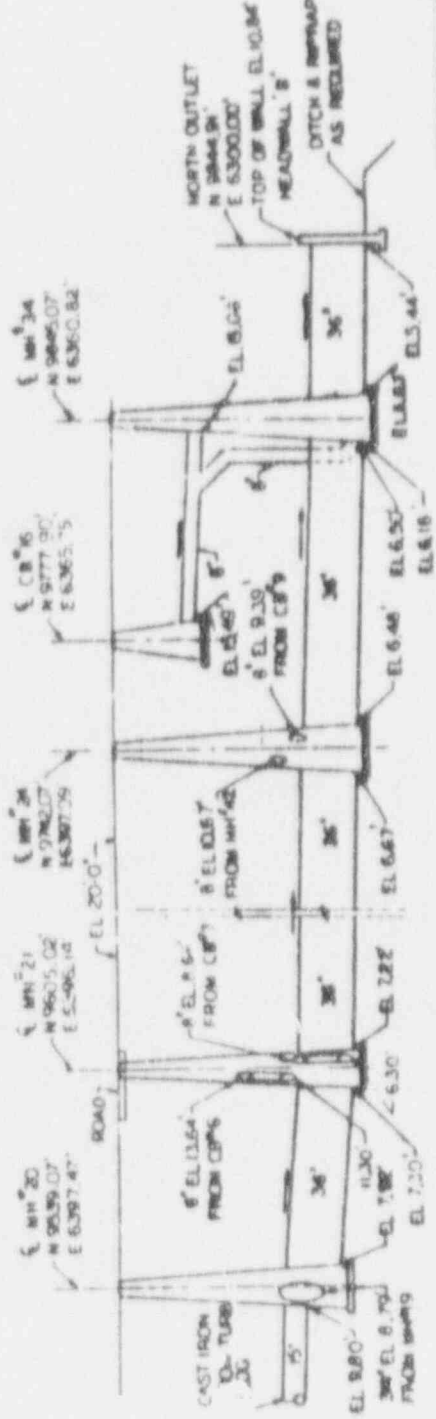


Prepared: 1/13/92

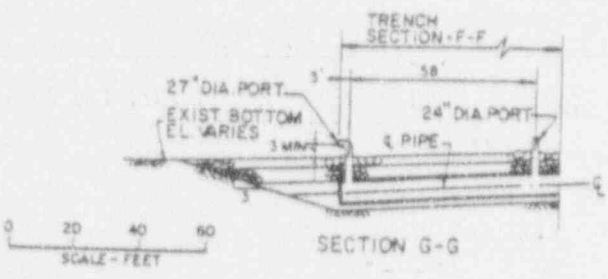
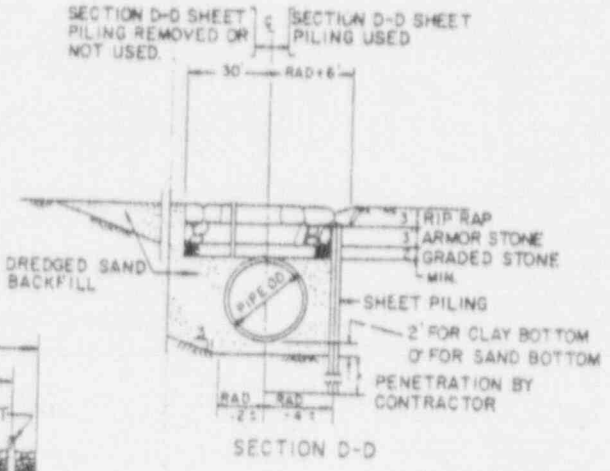
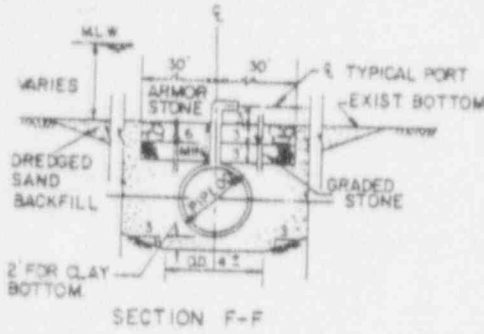
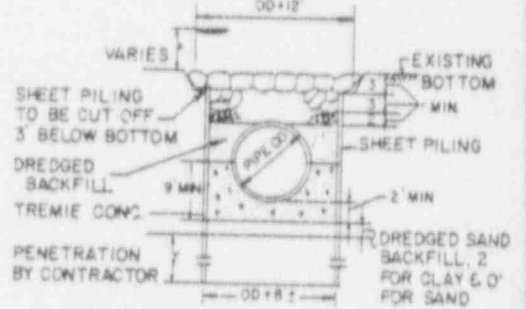
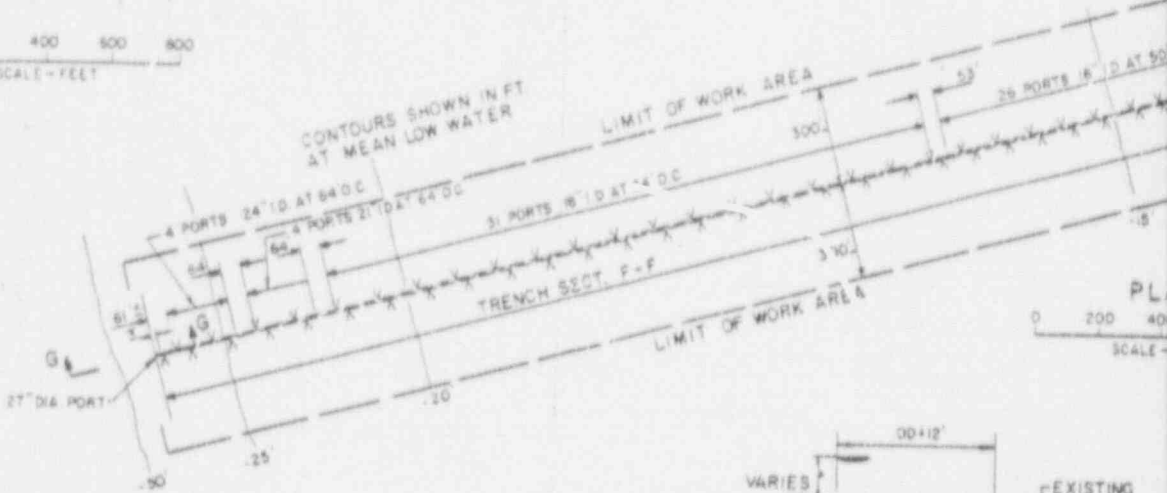
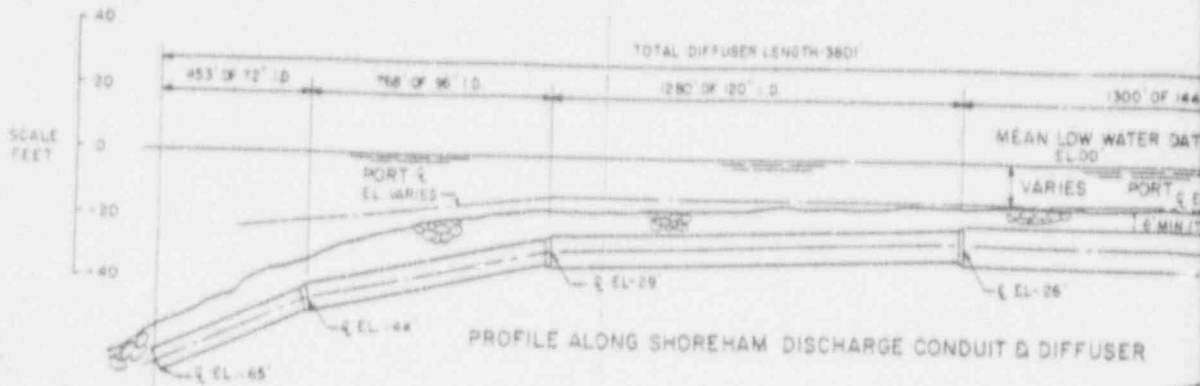
OUTFALL 003

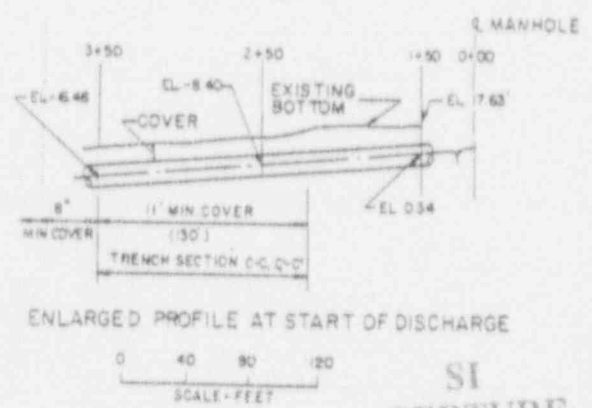
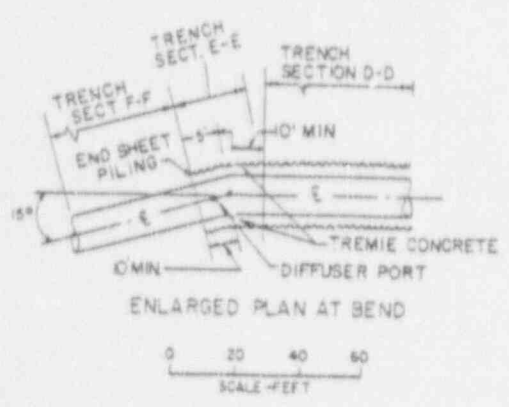
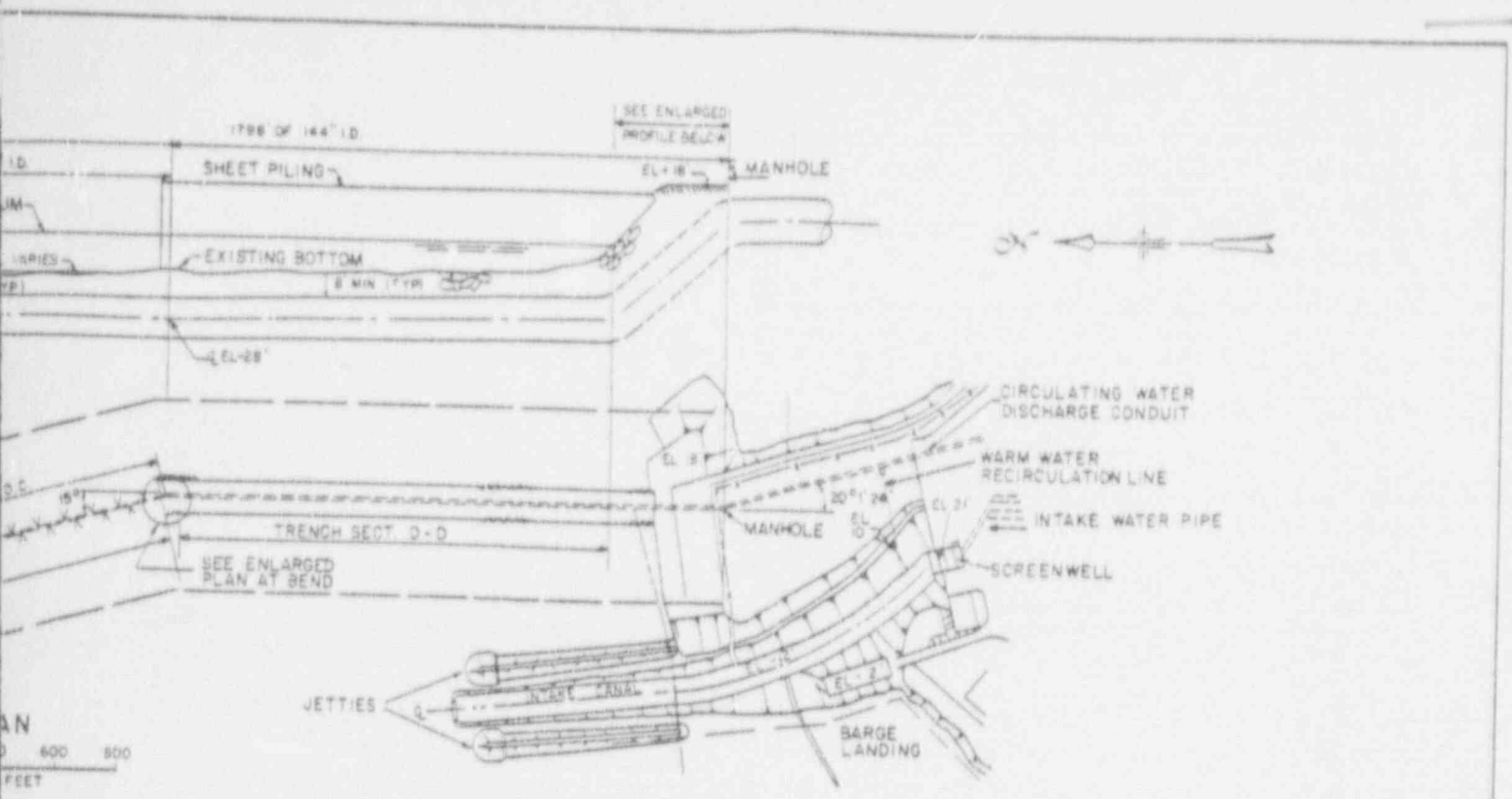


OUTFALL 002



NY0026344
 PLANT OUTFALL
 IN PROFILE
 LONG ISLAND LIGHTING COMPANY
 SHREVEHAM NORTHEAST POWER STATION





SI
APERTURE
CARD

Also Available On
Aperture Card

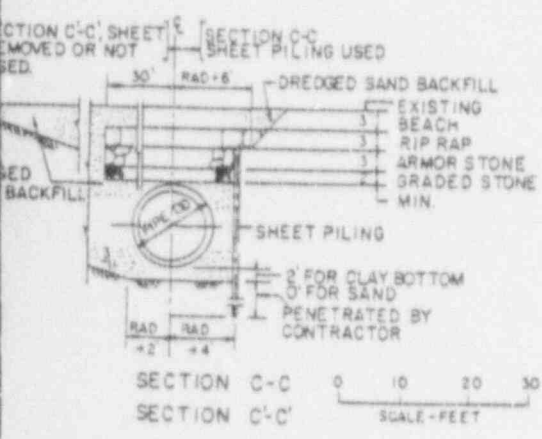


FIGURE 3.4-13
DIFFUSER DISCHARGE SYSTEM
FOR COOLING WATER
SHOREHAM NUCLEAR POWER STATION
UNIT 1
LONG ISLAND LIGHTING COMPANY
ENVIRONMENTAL REPORT

9202260077-01

ITEM V-5 CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (If available)	2. MARK 'X' (See Note 1)		3. EFFLUENT (If available)			4. UNITS			5. INTAKE (Optional)		
	6. MAXIMUM DAILY VALUE (a) mass concentration	7. MAXIMUM 30 DAY VALUE (b) mass concentration	8. LONG TERM AVERAGE VALUE (c) mass concentration	9. NO. OF ANALYSES	10. CONC. TRAITOR	11. MASS	12. INTAKE VALUE (a) mass concentration	13. NO. OF ANALYSES			
B. Nitrogen, Total Organic (see N)	X	.42	43.4	1	mg/l	lbs/day	.83	1			
B. Oil and Grease	X	LT .4		1	mg/l	lbs/day	LT .4	1			
L. Phosphorus (see P), Total (17723-14-0)	X	.06	8.3	1	mg/l	lbs/day	LT .02	1			
I. Radioactivity											
(1) Alpha, Total	X	LT 7.43E-9		1	UCI/ml		LT 7.43E-9	1			
(2) Beta, Total	X	9.43E-8		1	UCI/ml		7.36E-8	1			
(3) Radium, Total	X						NA				
(4) Radium 226, Total	X	LT 2.37E-7		1	UCI/ml		LT 3.11E-7	1			
k. Sulfate (see SO ₄) (14608-78-8)	X	2100	2.2E5	1	mg/l	lbs/day	2100	2.2E5			
L. Sulfide (see S)	X						NA				
m. Sulfite (see SO ₃) (14268-46-3)	X						NA				
n. Surfactants	X						NA				
o. Aluminums, Total (7429-90-8)	X	LT 1.0		1	mg/l	lbs/day	LT 1.0	1			
p. Barium, Total (7440-39-3)	X	LT .25		1	mg/l	lbs/day	LT .25	1			
q. Boron, Total (7440-42-8)	X	4.5	4E5.3	1	mg/l	lbs/day	3.5	361.9			
r. Cobalt, Total (7440-48-4)	X	LT .2		1	mg/l	lbs/day	LT .2	1			
s. Iron, Total (7439-89-8)	X	.27	276.9	1	mg/l	lbs/day	.21	206.8			
t. Magnesium, Total (7430-98-4)	X	1000	1.0E5	1	mg/l	lbs/day	1100	1.1E5			
u. Molybdenum, Total (7439-98-7)	X	LT .25		1	mg/l	lbs/day	LT .25	1			
v. Manganese, Total (7439-96-8)	X	.06	6.2	1	mg/l	lbs/day	.06	6.2			
w. Tin, Total (7440-31-8)	X	LT .1		1	mg/l	lbs/day	LT .1	1			
x. Titanium, Total (7440-32-8)	X	LT .5		1	mg/l	lbs/day	LT .5	1			

CONTINUE ON PAGE V-3

PAGE V-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 2-C)
 NYD000706077

Form Approved
 OMB No. 2040-0086
 Approval expires 7-31-88

Shoreham
 NY0026344

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

OUTFALL NO.
 001

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	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	
a. Biochemical Oxygen Demand (BOD)	Exempt									NA		
b. Chemical Oxygen Demand (COD)	Exempt									NA		
c. Total Organic Carbon (TOC)	3	310.2					1	mg/l	lbs/day	3	310.2	1
d. Total Suspended Solids (TSS)	44	4549.2					1	mg/l	lbs/day	37	3825.5	1
e. Ammonia (see N)	.18	18.6					1	mg/l	lbs/day	.37	38.3	1
f. Flow	VALUE 1.24E7		VALUE		VALUE 1.23E8		12	GPD	lbs/day	VALUE 1.24E7		1
g. Temperature (winter)	VALUE 9.3		VALUE		VALUE 7.5		3	°C		VALUE 10.95		1
h. Temperature (summer)	VALUE NA		VALUE		VALUE 16.7		10	°C		VALUE NA		
i. pH	MINIMUM 7.63	MAXIMUM 7.79	MINIMUM	MAXIMUM	X		13	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 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. 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. IS SPECIFIED PRESENT	b. IS SPECIFIED 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
			(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS				(i) CONCENTRATION	(ii) MASS	
a. Bromide (24959-87-9)	X		66	6823.8					1	mg/l	lbs/day	68	7030.6	1
b. Chlorine, Total Residual	X*		*				.02	20.5	8	mg/l	lbs/day	NA		
c. Color	X		LT 5						1	mg/l	lbs/day	LT 5		1
d. Fecal Coliform		X										NA		
e. Fluoride (14698-48-6)		X										NA		
f. Nitrate-Nitrite (see N)	X		LT .5						1	mg/l	lbs/day	LT .5		1

* Not analyzed - chlorination was secured for the winter on November 29, 1991.

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	TEST NO. - SUITE	D. RE-TEST	C. RE-TEST	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	
GC/MS /RACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			LT 25						1	ug/l		LT 25		1
2V. Acrylonitrile (107-13-1)	X			LT 25						1	ug/l		LT 25		1
3V. Benzene (71-43-2)	X			LT 1						1	ug/l		LT 1		1
4V. Bis (Chloromethyl) Ether (542-88-1)	X			LT 1						1	ug/l		LT 1		1
5V. Bromoform (75-25-2)	X			LT 1						1	ug/l		LT 1		1
6V. Carbon Tetrachloride (55-23-5)	X			LT 1						1	ug/l		LT 1		1
7V. Chlorobenzene (106-90-7)	X			LT 1						1	ug/l		LT 1		1
8V. Chlorodibromomethane (124-48-1)	X			LT 1						1	ug/l		LT 1		1
9V. Chloroethane (75-00-3)	X			LT 1						1	ug/l		LT 1		1
10V. 2-Chloroethylvinyl Ether (110-75-6)	X			LT 1						1	ug/l		LT 1		1
11V. Chloroform (67-66-3)	X			LT 1						1	ug/l		LT 1		1
12V. Dichlorobromomethane (75-27-4)	X			LT 1						1	ug/l		LT 1		1
13V. Dichlorodifluoromethane (75-71-8)	X			LT 1						1	ug/l		LT 1		1
14V. 1,1-Dichloroethane (75-34-3)	X			LT 1						1	ug/l		LT 1		1
15V. 1,2-Dichloroethane (107-06-2)	X			LT 1						1	ug/l		LT 1		1
16V. 1,1-Dichloroethylene (75-35-4)	X			LT 1						1	ug/l		LT 1		1
17V. 1,2-Dichloropropene (78-67-5)	X			LT 1						1	ug/l		LT 1		1
18V. 1,3-Dichloropropene (542-75-8)	X			LT 1						1	ug/l		LT 1		1
19V. Ethylbenzene (100-41-4)	X			LT 1						1	ug/l		LT 1		1
20V. Methyl Bromide (74-83-9)	X			LT 1						1	ug/l		LT 1		1
21V. Methyl Chloride (74-87-3)	X			LT 1						1	ug/l		LT 1		1

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, nonprocess wastewater outfalls, and nonrequired 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 is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 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. DISCHARGED PRESENT	C. BELIEVED ABSENT	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. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1. METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			LT.005						1	mg/l	lbs/day	LT .005		1
2M. Arsenic, Total (7440-38-2)	X			LT.005						1	mg/l	lbs/day	LT .005		1
3M. Beryllium, Total (7440-41-7)	X			LT.005						1	mg/l	lbs/day	LT .005		1
4M. Cadmium, Total (7440-43-9)	X			LT.005						1	mg/l	lbs/day	LT .005		1
5M. Chromium, Total (7440-47-3)	X			0.05	5.2					1	mg/l	lbs/day	.06	6.2	1
6M. Copper, Total (7440-50-8)	X			0.1	10.3					1	mg/l	lbs/day	.23	23.8	1
7M. Lead, Total (7439-92-1)	X			LT.005						1	mg/l	lbs/day	LT .005		1
8M. Mercury, Total (7439-97-8)	X			LT.00025						1	mg/l	lbs/day	LT .00025		1
9M. Nickel, Total (7440-02-0)	X			.15	15.5					1	mg/l	lbs/day	.15	15.5	1
10M. Selenium, Total (7782-49-2)	X			LT.005						1	mg/l	lbs/day	LT .005		1
11M. Silver, Total (7440-22-4)	X			LT.001						1	mg/l	lbs/day	LT .001		1
12M. Thallium, Total (7440-28-0)	X			LT.005						1	mg/l	lbs/day	LT .005		1
13M. Zinc, Total (7440-58-6)	X			.03	3.10					1	mg/l	lbs/day	.05	5.2	1
14M. Cyanide, Total (57-12-5)	X			LT.02						1	mg/l	lbs/day	LT .02		1
15M. Phenols, Total	X			LT.001						1	mg/l	lbs/day	LT .001		1

DIOXIN																
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS												

CONTINUED FROM THE FRONT

1. POLLUTANT AND GAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)		
	1. Yes 2. No	3. Yes 4. No	5. MAXIMUM DAILY VALUE (if available)	6. MAXIMUM 30 DAY VALUE (if available)	7. LONG TERM AVERAGE VALUE (if available)	8. CONCENTRATION	9. MASS	10. LONG TERM AVERAGE VALUE (if available)	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS									
1B. Acenaphthene (83-32-8)		X							
2B. Acenaphthylene (208-98-6)		X							
3B. Anthracene (120-12-7)		X							
4B. Benzidine (92-87-6)		X							
5B. Benzo (a) Anthracene (56-85-3)		X							
6B. Benzo (a) Pyrene (50-32-8)		X							
7B. 3,4-Benzofluoranthene (206-99-2)		X							
8B. Benzo (ghi) Perylene (191-24-2)		X							
9B. Benzo (h) Fluoranthene (207-08-9)		X							
10B. Bis (2-Chloroethyl) Methane (111-91-1)		X							
11B. Bis (2-Chloroethyl) Ether (111-44-4)		X							
12B. Bis (2-Chloropropyl) Ether (102-60-1)		X							
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)		X							
14B. 4-Bromophenyl Phenyl Ether (101-55-3)		X							
15B. Butyl Benzyl Phthalate (85-88-7)		X							
16B. 2-Chloronaphthalene (91-58-7)		X							
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)		X							
18B. Chrysene (218-01-9)		X							
19B. Dibenzo (a,h) Anthracene (53-70-3)		X							
20B. 1,2-Dichlorobenzene (95-60-1)		X							
21B. 1,3-Dichlorobenzene (541-73-1)		X							

CONTINUED FROM PAGE V-4

EPA I.D. NUMBER (copy from Item 1 of Form 1) **N2000706077** SUTFALL NUMBER **001**

1 year Approval
OMB No. 2040-0086
Approval expires 7/31/88

POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	TYPE OF SOURCE	SOLID WASTE	LIQUID WASTE	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	
MS FRACTION - VOLATILE COMPOUNDS (continued)															
V. Methylene Chloride (75-09-2)	X			LT 1						1	ug/l		LT 1		1
V. 1,1,2,2-Tetrachloroethane (78-07-2)	X			LT 1						1	ug/l		LT 1		1
V. Tetrachloroethylene (127-18-4)	X			LT 1						1	ug/l		LT 1		1
V. Toluene (66-85-3)	X			LT 1						1	ug/l		LT 1		1
V. 1,2-Dichloroethylene (68-86-5)	X			LT 1						1	ug/l		LT 1		1
V. 1,1,1-Trichloroethane (69-72-8)	X			LT 1						1	ug/l		LT 1		1
V. 1,1,2-Trichloroethane (70-50-8)	X			LT 1						1	ug/l		LT 1		1
V. Trichloroethylene (79-01-8)	X			LT 1						1	ug/l		LT 1		1
V. Trichlorobromethane (69-4)	X			LT 1						1	ug/l		LT 1		1
V. Vinyl Chloride (75-01-4)	X			LT 1						1	ug/l		LT 1		1
MS FRACTION - ACID COMPOUNDS															
2-Chlorophenol (57-8)	X			LT 1						1	ug/l		LT 1		1
2,4-Dichlorophenol (120-83-2)	X			LT 1						1	ug/l		LT 1		1
2,4-Dimethylphenol (105-67-9)	X			LT 1						1	ug/l		LT 1		1
4,6-Dinitrophenol (534-52-1)	X			LT 5						1	ug/l		LT 5		1
2,4-Dinitrophenol (51-28-5)	X			LT 10						1	ug/l		LT 10		1
2-Nitrophenol (75-5)	X			LT 1						1	ug/l		LT 1		1
4-Nitrophenol (90-02-7)	X			LT 1						1	ug/l		LT 1		1
p-Chlorophenol (59-50-7)	X			LT 1						1	ug/l		LT 1		1
Pentachlorophenol (87-86-5)	X			LT 100						1	ug/l		LT 100		1
Phenol (95-2)	X			LT 1						1	ug/l		LT 1		1
2,4,6-Trinitrophenol	X			LT 1						1	ug/l		LT 1		1

CONTINUED FROM THE FRONT

1. POLLUTANT AND GAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)		
	1971-72	1972-73	a. MAXIMUM DAILY VALUE (if available)	b. MAXIMUM 30 DAY VALUE (if available)	c. CONC. RATION	d. NO. OF ANAL. YRS.	e. CONC. RATION	f. LONG TERM AVERAGE VALUE (if available)	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)	GC/MS FRACTION - PESTICIDES		(µg/mass)	(µg/mass)	(µg/mass)	(µg/mass)	(µg/mass)	(µg/mass)	
43B. N-Nitro- octophenylamh. ^o (86-30-6)		X							
44B. Phenanthrene (85-01-8)		X							
45B. Pyrene (129-00-0)		X							
46B. 1,2,4-Trifluorobenzene (120-82-1)		X							
GC/MS FRACTION - PESTICIDES									
1P. Atrazin (309-00-2)									
2P. α-BHC (319-84-6)									
3P. β-BHC (319-85-7)									
4P. γ-BHC (58-89-9)									
5P. δ-BHC (319-86-8)									
6P. Chlordane (57-74-9)									
7P. 4,4'-DDT (50-29-3)									
8P. 4,4'-DDE (72-65-9)									
9P. 4,4'-DDD (72-64-8)									
10P. Dieldrin (60-57-1)									
11P. β-Endosulfan (115-29-7)									
12P. β-Endosulfan (115-29-7)									
13P. Endosulfan Sulfate (1031-07-8)									
14P. Endrin (72-20-8)									
15P. Endrin Aldehyde (7421-93-4)									
16P. Heptachlor (76-44-8)									

EPA IL NUMBER (copy from Item 1 of Form 1) OUTFALL NUMBER
 12000070077 001

CONTINUED FROM PAGE V-6

1. POLLUTANT AND C.S. NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)		
	h. wt. in mg/l	C. wt. in mg/l	5. MAXIMUM DAILY VALUE (a) mass concentration	(b) mass concentration	6. CONCEN-TRATION	6. MASS	6. LONG TERM AVERAGE VALUE (a) concentration (b) mass	6. NO. OF ANAL. YES	
DC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)									
22B. 1,4-Dichlorobenzene (106-48-7)		X							
23B. 3,3'-Dichlorobenzidine (91-94-1)		X							
24B. Diethyl 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 Arsenzene) (122-68-7)		X							
31B. Fluoranthene (206-44-0)		X							
32B. Fluorene (86-73-7)		X							
33B. Hexachlorobenzene (118-74-1)		X							
34B. Hexachlorobutadiene (87-68-3)		X							
35B. Hexachlorocyclopentadiene (77-47-4)		X							
36B. Hexachloroethene (87-72-1)		X							
37B. Indeno (1,2,3-cd) Pyrene (103-39-5)		X							
38B. Isophorone (78-59-1)		X							
39B. Naphthalene (91-20-3)		X							
40B. Nitrobenzene (98-95-3)		X							
41B. N-Nitro-N,N-dimethylamine (62-75-9)		X							
42B. N-Nitrosodi-N-Propylamine (47)		X							

EPA ID NUMBER (copy from Item 1 of Form 1) OUTFALL NUMBER

001

N00000706077

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
	6. 15 MIN. CONC. (mg/l)	7. 15 MIN. CONC. (mg/l)	8. MAXIMUM DAILY VALUE (mg/l)	9. MAXIMUM 30 DAY VALUE (if available) (mg/l)	10. CONC. (mg/l)	11. CONC. (mg/l)	12. CONC. (mg/l)	13. CONC. (mg/l)
GC/MS FRACTION — PESTICIDES (continued)								
17P. Heptachlor Epoxide (1024-87-3)		X						
18P. PCB-1242 (53469-21-9)		X						
19P. PCB-1254 (11097-69-1)		X						
20P. PCB-1221 (11104-28-2)		X						
21P. PCB-1232 (11141-16-5)		X						
22P. PCB-1248 (117672-59-6)		X						
23P. PCB-1260 (11098-82-5)		X						
24P. PCB-1016 (12674-11-2)		X						
25P. Toxaphene (3001-36-2)		X						

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ITEM V-8 CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (If available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. 80-100-800-8000	b. 80-100-800-8000	a. MAXIMUM DAILY VALUE		b. MAXIMUM 15 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	
g. Nitrogen, Total Organic (as N)	X		1.6	.3					1	mg/l	lbs/day			
h. Oil and Grease	X		LT .4				LT 5.0		17	mg/l				
i. Phosphorus (as P), Total (7723-14-0)	X		LT .02						1	mg/l				
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO ₄) (14808-79-8)	X		300	66.7					1	mg/l	lbs/day			
l. Sulfide (as S)	X		LT .1						1	mg/l				
m. Sulfite (as SO ₃) (14288-48-3)	X		LT .4						1	mg/l				
n. Surfactants		X												
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		.20	.04					1	mg/l	lbs/day			
t. Magnesium, Total (7439-96-4)	X		.12	.03					1	mg/l	lbs/day			
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-8)	X		LT .02						1	mg/l				
w. Tin, Total (7440-31-8)		X												
x. Thallium, Total (7440-32-8)		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.

OUTFALL NO.
001a

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	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)	8	1.7					1	mg/l	lbs/day			
b. Chemical Oxygen Demand (COD)	LT 40						1	mg/l				
c. Total Organic Carbon (TOC)	3.5	.7					1	mg/l	lbs/day			
d. Total Suspended Solids (TSS)	LT 3				12.1		74	mg/l				
e. Ammonia (as N)	.39	.08					1	mg/l	lbs/day			
f. Flow	VALUE 25000		VALUE		VALUE		1	GPD		VALUE		
g. Temperature (winter)	VALUE 18.5		VALUE		VALUE		1	°C		VALUE		
h. Temperature (summer)	VALUE NA		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 7.77	MAXIMUM 7.77	MINIMUM	MAXIMUM	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 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. 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. RELEVANT PRESENT	b. 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	
a. Bromide (24959-87-9)		X												
b. Chlorine, Total Residual		X												
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (14698-4-88-8)		X												
f. Nitrate-Nitrite (as N)	X		LT .5						1	mg/l				

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'	3. EFFLUENT				4. UNITS		5. INTAKE (optional)	
		A. MAXIMUM DAILY VALUE (if available)	B. MAXIMUM 50 DAY VALUE (if available)	C. LONG TERM AVERAGE VALUE (if available)		A. PERCENT VARIATION	B. MASS	A. LONG TERM AVERAGE VALUE (if concentration)	B. HOOP ANAL. YES
				(1) CONCENTRATION	(2) MASS				
GC/MS FRACTION - VOLATILE COMPOUNDS									
1V. Acrolein (107-03-8)			LT 25				ug/l		
2V. Acrylonitrile (107-13-1)	X		LT 25				ug/l		
3V. Benzene (71-43-2)	X		LT 1				ug/l		
4V. Bis (Chloromethyl) Ether (542-88-1)	X		LT 1				ug/l		
5V. Bromoform (75-25-2)	X		LT 1				ug/l		
6V. Carbon Tetrachloride (56-23-5)	X		LT 1				ug/l		
7V. Chlorobenzene (108-90-7)	X		LT 1				ug/l		
8V. Chlorodibromomethane (124-48-1)	X		LT 1				ug/l		
9V. Chloroethene (75-00-3)	X		LT 1				ug/l		
10V. 2-Chloroethylvinyl Ether (110-75-8)	X		LT 1				ug/l		
11V. Chloroform (67-66-3)	X		LT 1				ug/l		
12V. Dichlorobromomethane (75-27-4)	X		LT 1				ug/l		
13V. Dichlorodifluoromethane (75-71-8)	X		LT 1				ug/l		
14V. 1,1-Dichlorobenzene (75-34-3)	X		LT 1				ug/l		
15V. 1,2-Dichloroethane (107-06-2)	X		LT 1				ug/l		
16V. 1,1-Dichloroethylene (75-36-4)	X		LT 1				ug/l		
17V. 1,2-Dichloropropane (78-87-8)	X		LT 1				ug/l		
18V. 1,3-Dichloropropane (542-75-6)	X		LT 1				ug/l		
19V. Ethylbenzene (100-41-4)	X		LT 1				ug/l		
20V. Methyl Bromide (74-83-9)	X		LT 1				ug/l		
21V. Methyl Chloride (74-87-3)	X		LT 1				ug/l		

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

NYD000706077

001a

Form Approved
OMB No. 2040-0086
Approval expires 7-31-88

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, nonprocess wastewater outfalls, and nonrequired 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 is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2c for acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 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 AVRG. 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	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-38-0)	X			LT.005						1	mg/l				
2M. Arsenic, Total (7440-39-2)	X			LT.005						1	mg/l				
3M. Beryllium, Total (7440-41-7)	X			LT.001						1	mg/l				
4M. Cadmium, Total (7440-43-9)	X			LT.001						1	mg/l				
5M. Chromium, Total (7440-47-3)	X			0.02	.004					1	mg/l	lbs/day			
6M. Copper, Total (7440-50-8)	X			LT.02						1	mg/l				
7M. Lead, Total (7439-92-1)	X			.005	.001					1	mg/l	lbs/day			
8M. Mercury, Total (7439-97-8)	X			LT.00025						1	mg/l				
9M. Nickel, Total (7440-02-0)	X			LT.01						1	mg/l				
10M. Selenium, Total (7782-49-2)	X			LT.005						1	mg/l				
11M. Silver, Total (7440-22-4)	X			.004	.001					1	mg/l	lbs/day			
12M. Thallium, Total (7440-28-0)	X			LT.005						1	mg/l				
13M. Zinc, Total (7440-66-6)	X			.03	.006					1	mg/l	lbs/day			
14M. Cyanide, Total (57-12-5)	X			LT.02						1	mg/l				
15M. Phenols, Total	X			LT.001						1	mg/l				
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)		
	AVG. NO. OF SAMPLES SENT PER YEAR	C.M.S. PERSENT	8. MAXIMUM DAILY VALUE (l) concentration	9. MAXIMUM 30 DAY VALUE (l) concentration	10. LONG TERM AVERAGE VALUE (l) mass	11. CONCENTRATION	12. MASS	13. LONG TERM AVERAGE VALUE (l) mass	
GC/MS FRACTION -- BASE/NEUTRAL COMPOUNDS									
1B. Acenaphthene (83-32-8)	X		LT 1			ug/l			
2B. Acenaphthylene (208-96-8)	X		LT 1			ug/l			
3B. Anthracene (120-12-7)	X		LT 1			ug/l			
4B. Benzoflone (92-87-6)	X		LT 50			ug/l			
5B. Benzo (a) Anthracene (56-55-3)	X		LT 1			ug/l			
6B. Benzo (a) Pyrene (50-32-8)	X		LT 1			ug/l			
7B. 3,4-Benzofluoranthene (205-99-2)	X		LT 1			ug/l			
8B. Benzo (ghi) Perylene (191-24-2)	X		LT 1			ug/l			
9B. Benzo (k) Fluoranthene (207-08-9)	X		LT 1			ug/l			
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	X		LT 1			ug/l			
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		LT 1			ug/l			
12B. Bis (2-Chloropropyl) Ether (102-60-1)	X		LT 1			ug/l			
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		1	2,1E-4		ug/l	lbs/day		
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X		LT 1			ug/l			
15B. Butyl Benzyl Phthalate (85-68-7)	X		LT 1			ug/l			
16B. 2-Chloronaphthalene (91-59-7)	X		LT 1			ug/l			
17P. 4-Chlorophenyl Phenyl Ether (7005-72-3)	X		LT 1			ug/l			
18B. Chrysene (218-01-8)	X		LT 1			ug/l			
19B. Difenzo (a,h) Anthracene (53-70-3)	X		LT 1			ug/l			
20B. 1,2-Dichlorobenzene (95-50-1)	X		LT 1			ug/l			
21B. 1,3-Dichlorobenzene (541-73-1)	X		LT 1			ug/l			

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CONTINUE ON PAGE V-7

POLLUTANT ID CAS NUMBER (if available)	3. MARK 'X' A. YES B. NO C. UN- DER-RECORDED OR UNAVAILABLE			3. EFFLUENT B. MAXIMUM 30 DAY VALUE (if available) CONCENTRATION		3. EFFLUENT C. LONG TERM AVG. VALUE (if available) CONCENTRATION		4. NO. OF ANAL. YES	4. UNITS B. CONCENTRATION		5. INYAKE (optional) A. LONG TERM AVERAGE VALUE (i) CONC. (ii) MASS LOADING		6. NO. OF ANAL. YES
	(i)	(ii)	(iii)	(i)	(ii)	(i)	(ii)		(i)	(ii)			
FRACTION - VOLATILE COMPOUNDS (continued)													
Ethylene oxide (75-09-2)	X							1	ug/l				
1,2,2-Tetra- ethylene S	X							1	ug/l				
tetrachloro- ethylene (127-18-4)	X							1	ug/l				
chloro- ethane S-3	X							1	ug/l				
2-Trans- nonochloro- ethylene S-5	X							1	ug/l				
1,1,1-Tril- ethylene S-6	X							1	ug/l				
1,2-Tril- ethylene S-5	X							1	ug/l				
Trichloro- ethylene (79-01-6)	X							1	ug/l				
Trichloro- methane S-4	X							1	ug/l				
Vinyl chloride (75-01-4)	X							1	ug/l				
S FRACTION - ACID COMPOUNDS													
Chloropheno- l S-8	X							1	ug/l				
4-Dichloro- phenol S-2	X							1	ug/l				
4-Dimethyl- phenol S-9	X							1	ug/l				
6-Dinitro-O- cresol S-1	X							1	ug/l				
4-Dinitro- phenol S-5	X							1	ug/l				
Nitrophenol S-5	X							1	ug/l				
Nitrophenol S-7	X							1	ug/l				
Chloro-M- phenol S-1	X							1	ug/l				
pentachloro- phenol (87-86-5)	X							1	ug/l				
Phenol S-2	X							1	ug/l				
2,4,6-Tril- phenol S-1	X							1	ug/l				

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)				
	100 mg or more per liter	50 mg or more per liter	a. MAXIMUM DAILY VALUE (if available)	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVERAGE VALUE (if available)	d. NO OF ANAL. VES.	e. CONCEN. TRATION	f. MASS	g. LONG TERM AVERAGE VALUE (1) CONCEN. (2) MASS	h. NO OF ANAL. VES.	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)											
438. N-Nitro-sodiphenylamine (85-30-6)	X		LT 1			1	Ug/l				
448. Phenanthrene (85-01-8)	X		LT 1			1	Ug/l				
458. Pyrene (129-00-0)	X		LT 1			1	Ug/l				
468. 1,2,4-Trichlorobenzene (120-82-1)	X		LT 1			1	Ug/l				
GC/MS FRACTION - PESTICIDES											
1P. Aldrin (309-00-2)		X									
2P. D-BHC (319-84-6)		X									
3P. β -BHC (319-85-7)		X									
4P. γ -BHC (58-59-9)		X									
5P. δ -BHC (319-86-8)		X									
6P. Chlordane (57-74-9)		X									
7P. 4,4'-DDT (50-29-3)		X									
8P. 4,4'-DDE (72-85-9)		X									
9P. 4,4'-DDD (72-84-8)		X									
10P. Dieldrin (60-57-1)		X									
11P. D-Endosulfan (115-29-7)		X									
12P. β -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 (76-44-8)		X									

CONTINUED FROM PAGE V-8

POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS	5. INTAKE (optional)			
	STREET USE	D. DR. NEEDED	C. DR. NEEDED	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)			d. NO. OF ANALYSES	e. LONG TERM AVERAGE VALUE		f. NO. OF ANALYSES
				(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS			(i) CONCENTRATION	(ii) MASS	
C/M/S FRACTION - BASE/NEUTRAL COMPOUNDS (continued ¹)														
26. 1,4-Dichlorobenzene (106-46-7)	X			LT 1						1	ug/l			
38. 3,3'-Dichlorobenzidine (91-94-1)	X			LT 50						1	ug/l			
48. Diethyl phthalate (84-86-2)	X			LT 1						1	ug/l			
58. Dimethyl phthalate (131-11-3)	X			LT 1						1	ug/l			
58. Di-N-Butyl phthalate (84-74-2)	X			2	4.1E-4					1	ug/l	lbs/day		
78. 2,4-Dinitrofluorene (121-14-2)	X			LT 1						1	ug/l			
88. 2,6-Dinitrofluorene (808-20-2)	X			LT 1						1	ug/l			
88. Di-N-Octyl phthalate (117-84-0)	X			LT 1						1	ug/l			
98. 1,2-Diphenylhydrazine (or Azo benzene) (122-66-7)	X			LT 1						1	ug/l			
18. Fluoranthene (206-44-0)	X			LT 1						1	ug/l			
28. Fluorene (86-73-7)	X			LT 1						1	ug/l			
38. Hexachlorobenzene (84-74-1)	X			LT 1						1	ug/l			
48. Hexachlorobutadiene (7-68-3)	X			LT 1						1	ug/l			
58. Hexachlorocyclopentadiene (7-47-4)	X			LT 100						1	ug/l			
68. Hexachlorobenzene (87-72-1)	X			LT 1						1	ug/l			
78. Indeno (1,2,3-cd) Pyrene (83-39-5)	X			LY 1						1	ug/l			
88. Isophorone (8-89-1)	X			LT 1						1	ug/l			
98. Naphthalene (91-20-3)	X			LT 1						1	ug/l			
108. Nitrobenzene (98-96-3)	X			LT 1						1	ug/l			
118. N-Nitrosodimethylamine (52-78-9)	X			LT 1						1	ug/l			
128. N-Nitrosodipropylamine (52-78-9)	X			LT 1						1	ug/l			

EPA I.D. NUMBER (copy from Item I of Form I) **OUTFALL NUMBER**
 001a

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
	a. Is it a regulated air pollutant?	b. Is it a regulated water pollutant?	a. MAXIMUM 30 DAY VALUE (if available)	b. MAXIMUM DAILY VALUE (if available)	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	b. NO. OF ANAL-YSES
GC/MS FRACTION - PESTICIDES (continued)								
17p. Heptachlor Epoxide (1024-87-3)		X						
18p. PCB-1242 (53469-21-9)		X						
19p. PCB-1254 (11097-89-1)		X						
20p. PCB-1221 (11104-78-2)		X						
21p. PCB-1232 (11141-16-5)		X						
22p. PCB-1248 (12672-29-6)		X						
23p. PCB-1260 (11098-82-5)		X						
24p. PCB-1018 (12674-11-2)		X						
25p. Toxaphene (8001-38-2)		X						

ITEM V-8 CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (If available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. observed PERCENT	b. observed ASSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 15 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. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
p. Nitrogen, Total Organic (as N)	X		.2	.03					1	mg/l	lbs/day			
l. Oil and Grease	X		LT .4				LT 5.0		44	mg/l				
l. Phosphorus (as P), Total (7723-14-0)		X												
j. Radioactivity														
(1) Alpha, Total	X		LT 1.59E-8						1	UCi/ml				
(2) Beta, Total	X		7.91E-8						1	UCi/ml				
(3) Radium, Total		X												
(4) Radium 226, Total	X		N.D.						1	UCi/ml				
k. Sulfate (as SO ₄) (14805-78-8)	X		LT 5						1	mg/l				
l. Sulfide (as S)	X		LT .1						1	mg/l				
m. Sulfite (as SO ₃) (14265-46-3)	X		LT .4						1	mg/l				
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 (7440-48-4)		X												
s. Iron, Total (7439-89-8)	X		.09	.01			2.0		45	mg/l	lbs/day			
t. Magnesium, Total (7439-95-4)	X		LT .05						1	mg/l				
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-8)	X		LT .02						1	mg/l				
w. Tin, Total (7440-31-8)		X												
x. Titanium, Total (7440-32-8)		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)

NYD000706077

Form Approved
OMB No. 2040-0086
Approval expires 7-31-88

Shoreham
NY0026344

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

OUTFALL NO.
001b

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
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	LT 2						1	mg/l				
b. Chemical Oxygen Demand (COD)	LT 40						1	mg/l				
c. Total Organic Carbon (TOC)	LT 1						1	mg/l				
d. Total Suspended Solids (TSS)	LT 3					11.4	87	mg/l				
e. Ammonia (as N)	LT .05						1	mg/l				
f. Flow	VALUE 17609		VALUE		VALUE		1	GPD		VALUE		
g. Temperature (winter)	VALUE 20.7		VALUE		VALUE		1	°C		VALUE		
h. Temperature (summer)	VALUE NA		VALUE		VALUE		1	°C		VALUE		
i. pH	MINIMUM 6.63	MAXIMUM 6.63	MINIMUM	MAXIMUM	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 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitation guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. 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. BELIEVED PRESENT	b. 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	
a. Bromide (24959-87-9)		X												
b. Chlorine, Total Residual		X												
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16964-48-8)		X												
f. Nitrate-Nitrite (as N)	X		LT .5						1	mg/l				

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST PER. AS QUANT. REQ.	B. SE-LEVEL PRESENT	C. SE-LEVEL AS REQ.	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVGC. VALUE (if available)		d. NO. OF ANALYSES	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	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			LT 25						1	ug/l				
2V. Acrylonitrile (107-13-1)	X			LT 25						1	ug/l				
3V. Benzene (71-43-2)	X			LT 1						1	ug/l				
4V. Bis (Chloromethyl) Ether (542-88-1)	X			LT 1						1	ug/l				
5V. Bromoform (75-25-2)	X			LT 1						1	ug/l				
6V. Carbon Tetrachloride (56-23-5)	X			LT 1						1	ug/l				
7V. Chlorobenzene (108-90-7)	X			LT 1						1	ug/l				
8V. Chlorodibromomethane (124-48-1)	X			LT 1						1	ug/l				
9V. Chloroethane (75-00-3)	X			LT 1						1	ug/l				
10V. 2-Chloroethylvinyl Ether (110-75-8)	X			LT 1						1	ug/l				
11V. Chloroform (67-66-3)	X			LT 1						1	ug/l				
12V. Dichlorobromomethane (75-27-4)	X			LT 1						1	ug/l				
13V. Dichlorodifluoromethane (75-71-8)	X			LT 1						1	ug/l				
14V. 1,1-Dichloroethane (75-34-3)	X			LT 1						1	ug/l				
15V. 1,2-Dichloroethane (107-06-2)	X			LT 1						1	ug/l				
16V. 1,1-Dichloroethylene (75-35-4)	X			LT 1						1	ug/l				
17V. 1,2-Dichloropropane (78-87-5)	X			LT 1						1	ug/l				
18V. 1,3-Dichloropropane (542-75-6)	X			LT 1						1	ug/l				
19V. Ethylbenzene (100-41-4)	X			LT 1						1	ug/l				
20V. Methyl Bromide (74-83-9)	X			LT 1						1	ug/l				
21V. Methyl Chloride (74-87-3)	X			LT 1						1	ug/l				

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NYD000706077	001b

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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, nonprocess wastewater outfalls, and nonrequired 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 is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT				d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)				
	a. TEST REQUIRED	b. REVIEWED PRESENT	c. REVIEWED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)			c. LONG TERM AVRG. VALUE (if available)		a. CONCENTRATION	b. MASS	e. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS			(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			LT.005						1	mg/l				
2M. Arsenic, Total (7440-38-2)	X			LT.005						1	mg/l				
3M. Beryllium, Total (7440-41-7)	X			LT.001						1	mg/l				
4M. Cadmium, Total (7440-43-0)	X			LT.001						1	mg/l				
5M. Chromium, Total (7440-47-3)	X			LT.02						1	mg/l				
6M. Copper, Total (7440-50-8)	X			LT.02						1	mg/l				
7M. Lead, Total (7439-92-1)	X			LT.005						1	mg/l				
8M. Mercury, Total (7439-97-8)	X			LT.00025						1	mg/l				
9M. Nickel, Total (7440-02-0)	X			LT.1						1	mg/l				
10M. Selenium, Total (7782-49-2)	X			LT.005						1	mg/l				
11M. Silver, Total (7440-22-4)	X			LT.001						1	mg/l				
12M. Thallium, Total (7440-28-0)	X			LT.005						1	mg/l				
13M. Zinc, Total (7440-66-6)	X			LT.02						1	mg/l				
14M. Cyanide, Total (57-12-6)	X			LT.02						1	mg/l				
15M. Phenols, Total	X			.002	2.9E-4					1	mg/l	lbs/day			

DIOXIN														
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS										

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)	
	EXIST. SOURCE	CONCENTRATION	A. MAXIMUM DAILY VALUE	B. MAXIMUM 30 DAY VALUE	C. LONG TERM AVERAGE VALUE	D. NO. OF ANALYSES	A. CONCEN- TRATION	B. MASS	A. LONG TERM AVERAGE VALUE	B. NO. OF ANALYSES
	(if available)	(%)	(%)	(%)	(if available)	(%)	(%)	(%)	(%)	(%)
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS										
18. Acenaphthene (83-32-8)	X		LT 1			1	UJ/1			
28. Acenaphthylene (208-96-8)	X		LT 1			1	UJ/1			
38. Anthracene (120-12-7)	X		LT 1			1	UJ/1			
48. Benzidine (92-87-6)	X		LT 50			1	UJ/1			
58. Benzo (a) Anthracene (53-55-3)	X		LT 1			1	UJ/1			
68. Benzo (a) Pyrene (50-32-8)	X		LT 1			1	UJ/1			
78. 3,4-Benzo-fluoranthene (7-05-99-2)	X		LT 1			1	UJ/1			
88. Benzo (ghi) Perylene (191-24-2)	X		LT 1			1	UJ/1			
98. Benzo (k) Fluoranthene (207-08-9)	X		LT 1			1	UJ/1			
108. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X		LT 1			1	UJ/1			
118. Bis (2-Chloro-ethyl) Ether (111-44-4)	X		LT 1			1	UJ/1			
128. Bis (2-Chloro-ethyl) Ether (102-25-1)	X		LT 1			1	UJ/1			
138. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)	X		LT 1			1	UJ/1			
148. 4-Bromo-phenyl Phenyl Ether (101-88-3)	X		LT 1			1	UJ/1			
158. Butyl Benzyl Phthalate (85-88-7)	X		LT 1			1	UJ/1			
168. 2-Chloro-naphthalene (91-58-7)	X		LT 1			1	UJ/1			
178. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		LT 1			1	UJ/1			
188. Chrysene (218-01-9)	X		LT 1			1	UJ/1			
198. Dibenzo (a,h) Anthracene (53-70-3)	X		LT 1			1	UJ/1			
208. 1,2-Dichloro-benzene (95-50-1)	X		LT 1			1	UJ/1			
218. 1,3-Dichloro-benzene (641-73-1)	X		LT 1			1	UJ/1			

CONTINUED FROM PAGE V-4

EPA I.D. NUMBER (copy from Item 1 of Form 1)
NYD000706077

OUTFALL NUMBER
001b

U.S. G.P.O. Approval
OMB No 2040-0086
Approval expires 7-31-86

POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TOXIC SUBSTANCE	B. SEVERELY POLLUTANT	C. SEVERELY POLLUTANT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVPG. 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	
MS FRACTION - VOLATILE COMPOUNDS (continued)															
V. Methylene chloride (75-09-2)	X			LT 1						1	ug/l				
V. 1,1,2,2-Tetra- bromoethane (345)	X			LT 1						1	ug/l				
V. Tetrachloro- ethylene (127-18-4)	X			LT 1						1	ug/l				
V. Toluene (68-98-3)	X			LT 1						1	ug/l				
V. 1,2-Trans- dichloroethylene (86-60-5)	X			LT 1						1	ug/l				
V. 1,1,1-Trifluoroethane (68-6)	X			LT 1						1	ug/l				
V. 1,1,2-Trifluoroethane (300-5)	X			LT 1						1	ug/l				
V. Trichloro- ethylene (79-01-8)	X			LT 1						1	ug/l				
V. Trichloro- methane (69-4)	X			LT 1						1	ug/l				
V. Vinyl chloride (78-61-4)	X			LT 1						1	ug/l				
MS FRACTION - ACID COMPOUNDS															
2-Chlorophenol (87-8)	X			LT 1						1	ug/l				
2,4-Dichloro- phenol (120-83-2)	X			LT 1						1	ug/l				
2,4-Dimethyl- phenol (105-87-9)	X			LT 1						1	ug/l				
4,6-Dinitro-O- phenol (534-52-1)	X			LT 5						1	ug/l				
2,6-Dinitro- phenol (51-28-8)	X			LT 10						1	ug/l				
2-Nitrophenol (95-5)	X			LT 1						1	ug/l				
4-Nitrophenol (92-7)	X			LT 1						1	ug/l				
2-Chloro-M- phenol (59-50-7)	X			LT 1						1	ug/l				
Pentachloro- phenol (87-86-5)	X			LT 100						1	ug/l				
Phenol (95-2)	X			LT 1						1	ug/l				
2,4,6-Trifluoro- phenol	X			LT 1						1	ug/l				

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
	to year 1990	to year 2000	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS
GC/MS FRACTION -- BASE/NEUTRAL COMPOUNDS (cont'ned)								
43B. N-Nitro- octahydroquinoline (86-30-6)	X		LT 1					
44B. Phenanthrene (85-01-8)	X		LT 1					
45B. Pyrene (129-00-0)	X		LT 1					
46B. 1,2,4-Tri- chlorobenzene (120-82-1)	X		LT 1					
GC/MS FRACTION -- PESTICIDES								
1P. Aldrin (309-00-2)		X						
2P. D-BHC (319-84-6)		X						
3P. β ... (319-...)		X						
4P. γ -BHC (58-89-8)		X						
5P. δ -BHC (319-85-8)		X						
6P. Chlordane (57-74-9)		X						
7P. 4,4'-DDT (50-29-3)		X						
8P. 4,4'-DDE (72-56-8)		X						
9P. 4,4'-DDD (72-54-8)		X						
10P. Dieldrin (60-57-1)		X						
11P. α -Endosulfan (115-29-7)		X						
12P. β -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 (76-44-8)		X						

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)		
	TOXIC SUBSTANCE LISTED IN FEDERAL REGISTER	C.S. LIMIT (mg/l)	B. MAXIMUM DAILY VALUE (if available)	C. LONG TERM AVER. VALUE (if available)	D. NO. OF ANAL. YRS	E. CONCEN. TRATION	F. MASS	G. LONG TERM AVERAGE VALUE (i) CONCEN. (ii) MASS	H. NO. OF ANAL. YRS
C/M/S FRACTION - BASE/NEUTRAL COMPOUNDS (continued)									
128. 1,4-Dichlorobenzene (108-46-7)	X		LT 1			ug/l			
338. 3,3'-Dichlorobenzidine (91-94-1)	X		LT 50			ug/l			
48. Diethyl phthalate (84-66-2)	X		LT 1			ug/l			
58. Dimethyl phthalate (131-11-3)	X		LT 1			ug/l			
68. Di-N-Butyl phthalate (84-74-3)	X		2	2.9E-4		ug/l	lbs/day		
78. 2,4-Dinitrophenol (121-14-2)	X		LT 1			ug/l			
88. 2,6-Dinitrophenol (908-20-2)	X		LT 1			ug/l			
98. Di-N-Octyl phthalate (17-84-0)	X		LT 1			ug/l			
108. 1,2-Dibenzyl-pyrazine (as Arochlor 122-86-7)	X		LT 1			ug/l			
118. Fluoranthene (206-44-0)	X		LT 1			ug/l			
128. Fluorene (86-73-7)	X		LT 1			ug/l			
138. Naphthalene (91-20-3)	X		LT 1			ug/l			
148. Hexachlorobutadiene (87-69-3)	X		LT 1			ug/l			
158. Hexachlorocyclopentadiene (77-47-4)	X		LT 100			ug/l			
168. Hexachloroethane (67-72-1)	X		LT 1			ug/l			
178. Indeno (1,2,3-cd) Pyrene (193-39-5)	X		LT 1			ug/l			
188. Isophorane (78-59-1)	X		LT 1			ug/l			
198. Naphthalene (84-66-2)	X		LT 1			ug/l			
208. Nitrobenzene (98-95-3)	X		LT 1			ug/l			
218. N-Nitrosodimethylamine (52-75-9)	X		LT 1			ug/l			
228. N-Nitrosodimethylamine (52-75-9)	X		LT 1			ug/l			

EPA I.D. NUMBER (copy from form 1 of Part 1) OUTFALL NUMBER
001b

NEED00706077

CONTINUED FROM PAGE V-B

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
	6. 2013-2014	6. 2015-2016	7. MAXIMUM 30 DAY VALUE (if available)	8. MAXIMUM DAILY VALUE (if available)	9. CONC. VARIATION	10. MASS	11. LONG TERM AVERAGE VALUE (if available)	12. NO. OF ANAL. YRS.
GC/MS FRACTION -- PESTICIDES (continued)	CONC. (ppb)	CONC. (ppb)	CONC. (ppb)	CONC. (ppb)	(1) MASS	(2) MASS	(1) MASS	(2) MASS
17P. Heptachlor Epoxide (1024-87-3)		X						
18P. PCB-1242 (53489-21-9)		X						
19P. PCB-1254 (11097-69-1)		X						
20P. PCB-1221 (11104-28-2)		X						
21P. PCB-1232 (11141-16-5)		X						
22P. PCB-1246 (12672-29-6)		X						
23P. PCB-1260 (11098-82-6)		X						
24P. PCB-1016 (12674-11-2)		X						
25P. Toxaphene (8001-36-2)		X						

1. POLLUTANT AND CAS NO. (if available)	2. MAXIMUM DAILY VALUE		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
	(a) CONCENTRATION	(b) MASS	(1) CONCENTRATION	(2) MASS	(a) CONCENTRATION	(b) MASS	(1) CONCENTRATION	(2) MASS
6. Nitrogen, Total Organic (as N)	X	.37				mg/l		
7. OR and Gross	X	1.4		LT 5.0		mg/l		
8. Phosphorus (as P), Total (7723-14-0)	X							
9. Radioactivity								
(1) Alpha, Total	X							
(2) Beta, Total	X							
(3) Radium, Total	X							
(4) Radium 226, Total	X							
k. Sulfate (as SO4) (14605-75-8)	X							
l. Sulfide (as S)	X							
m. Sulfite (as SO3) (14266-48-3)	X							
n. Surfactants	X							
o. Aluminum, Total (7429-90-8)	X							
p. Barium, Total (7440-39-3)	X							
q. Boron, Total (7440-42-0)	X							
r. Cobalt, Total (7440-48-4)	X							
s. Iron, Total (7439-89-6)	X							
t. Magnesium, Total (7439-98-4)	X							
u. Molybdenum, Total (7439-98-7)	X							
v. Manganese, Total (7439-96-9)	X							
w. Tin, Total (7440-31-6)	X							
x. Vanadium, Total (7440-32-8)	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)
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 OMB No. 2040-0086
 Approval expires 7-31-88

Shoreham
 NY0026344

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

OUTFALL NO.
 002

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)			g. CONCENTRATION	h. MASS	5. LONG TERM AVERAGE VALUE		
	(i) CONCENTRATION	(j) MASS	(i) CONCENTRATION	(j) MASS	(i) CONCENTRATION	(j) MASS				(i) CONCENTRATION	(j) MASS	
a. Biochemical Oxygen Demand (BOD)	Exempt											
b. Chemical Oxygen Demand (COD)	Exempt											
c. Total Organic Carbon (TOC)	3.8						1	mg/l				
d. Total Suspended Solids (TSS)	51						1	mg/l				
e. Ammonia (as N)	.23						1	mg/l				
f. Flow	VALUE Exempt		VALUE		VALUE					VALUE		
g. Temperature (winter)	VALUE Exempt		VALUE		VALUE				°C	VALUE		
h. Temperature (summer)	VALUE Exempt		VALUE		VALUE				°C	VALUE		
i. pH	MINIMUM 7.15	MAXIMUM 7.15	MINIMUM	MAXIMUM	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 2a for any pollutant which is listed either directly or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. 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. ANALYZED PRESENT	b. ANALYZED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)			g. CONCENTRATION	h. MASS	5. LONG TERM AVERAGE VALUE		
			(i) CONCENTRATION	(j) MASS	(i) CONCENTRATION	(j) MASS	(i) CONCENTRATION	(j) MASS				(i) CONCENTRATION	(j) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual	X		*											
c. Color	X		15						1	C.U.				
d. Fecal Coliform		X												
e. Fluoride (16964-48-8)		X												
f. Nitrate-Nitrite (as N)	X		LT .5						1	mg/l				

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if applicable)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
	WATER	WASTEWATER	a. MAXIMUM DAILY VALUE (i) MASS (ii) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (i) MASS (ii) CONCENTRATION	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE (i) CONCEN- TRATION (ii) MASS	b. NO. OF ANAL- YSES
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 (Chloro- methyl) Ether (542-88-1)		X						
5V. Bromoform (75-25-2)		X						
6V. Carbon Tetrachloride (56-23-8)		X						
7V. Chlorobenzene (108-90-7)		X						
8V. Chlorodibromomethane (124-48-1)		X						
9V. Chloroethane (75-00-3)		X						
10V. 2-Chloro-ethylvinyl Ether (170-75-8)		X						
11V. Chloroform (67-66-3)		X						
12V. Dichlorobromomethane (75-27-4)		X						
13V. Dichlorodifluoromethane (75-71-8)		X						
14V. 1,1-Dichloro-ethane (75-34-3)		X						
15V. 1,2-Dichloro-ethane (107-06-2)		X						
16V. 1,1-Dichloro-ethylene (75-35-4)		X						
17V. 1,2-Dichloro-propene (78-87-5)		X						
18V. 1,3-Dichloro-propene (542-75-8)		X						
19V. Ethylbenzene (100-41-4)		X						
20V. Methyl Bromide (74-83-9)		X						
21V. Methyl Chloride (74-87-3)		X						

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

NYD000706077

002

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OMB No. 2040-0085
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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, nonprocess wastewater outfalls, and nonrequired 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 is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 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	a. CONCENTRATION	b. MASS	e. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X												
2M. Arsenic, Total (7440-38-2)			X												
3M. Beryllium, Total (7440-41-7)			X												
4M. Cadmium, Total (7440-43-8)			X												
5M. Chromium, Total (7440-47-3)			X												
6M. Copper, Total (7440-50-8)			X												
7M. Lead, Total (7439-92-1)			X												
8M. Mercury, Total (7439-97-6)			X												
9M. Nickel, Total (7440-02-0)			X												
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												
14M. Cyanide, Total (57-12-6)			X												
15M. Phenols, Total			X												
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)		
	STOCK PILE NO. QUANT.	CR. CONC. QUANT.	D. MAXIMUM 30 DAY VALUE (if available)	C. LONG TERM (if available) VALUE (1) CONCENTRATION (2) MASS	D. NO. OF ANAL. YES	CONCENTRATION	5. MASS	B. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	
GC/MS FRACTION -- BASE/NEUTRAL COMPOUNDS									
18. Acenaphthene (83-32-8)			X						
28. Acenaphthylene (206-96-8)			X						
38. Anthracene (120-12-7)			X						
48. Benzidine (92-87-6)			X						
58. Benzo (a) Anthracene (56-55-3)			X						
68. Benzo (a) Pyrene (50-32-8)			X						
78. 3,4-Benzofluoranthene (206-99-2)			X						
88. Benzo (ghi) Perylene (191-24-2)			X						
98. Benzo (h) Fluoranthene (207-08-9)			X						
108. Bis (2-Chloroethoxy) Methane (111-91-1)			X						
118. Bis (2-Chloroethyl) Ether (111-44-4)			X						
128. Bis (2-Chloro-propyl) Ether (102-80-1)			X						
138. Bis (2-Ethylhexyl) Phthalate (117-81-7)			X						
148. 4-Bromophenyl Phenyl Ether (101-55-3)			X						
158. Butyl Benzyl Phthalate (85-68-7)			X						
168. 2-Chloronaphthalene (91-58-7)			X						
178. 4-Chlorophenyl Phenyl Ether (7005-72-3)			X						
188. Chrysenes (218-01-8)			X						
198. Dibenzo (a,h) Anthracene (53-70-3)			X						
208. 1,2-Dichlorobenzene (95-50-1)			X						
218. 1,3-Dichlorobenzene (541-73-1)			X						

EPA I.D. NUMBER (copy from Item 1 of Form 1) **OUTFALL NUMBER**
NYD000706077 **002**

CONTINUED FROM PAGE V-4

POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
	6. ac- cepted sub- stance NO	6. ac- cepted sub- stance NO	5. MAXIMUM DAILY VALUE (i) mass CONCENTRATION	5. MAXIMUM 30 DAY VALUE (i) mass CONCENTRATION	5. CONCEN- TRATION	5. MASS	5. LONG TERM AVERAGE VALUE (i) concen- tration	5. NO. OF ANAL- YSES
MS FRACTION - VOLATILE COMPOUNDS (continued)								
Methylene chloride (75-09-2)		X						
1,1,2,2-Tetra- chloroethane (107-06-2)		X						
Tetrachloro- ethene (127-18-6)		X						
Toluene (98-06-3)		X						
1,2-Trans- chloroethylene (75-35-4)		X						
1,1,1-Trichloro- ethane (69-55-6)		X						
1,1,2-Trichloro- ethane (69-56-3)		X						
Trichloro- benzene (79-01-8)		X						
Trichloro- ethylene (79-01-8)		X						
Vinyl chloride (78-01-4)		X						
MS FRACTION - ACID COMPOUNDS								
2-Chloropheno- l (107-05-1)		X						
2,4-Dichloro- phenol (120-83-2)		X						
2,4-Dimethyl- phenol (105-67-8)		X						
2,6-Dinitro- phenol (83-34-5)		X						
2,4-Dinitro- phenol (51-28-8)		X						
Nitrophenol (83-35-3)		X						
Nitrophenol (83-35-3)		X						
Chloro M- phenol (159-50-7)		X						
Pentachloro- phenol (87-86-5)		X						
Phenol (95-2)		X						
2,4,6-Trichloro- phenol		X						

EPA I.D. NUMBER (copy from Item 1 of Form 1) **OUTFALL NUMBER**
 NYD000706077 **002**

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'A' (see instructions)	3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
		a. MAXIMUM DAILY VALUE (1) CONCENTRATION (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION (2) MASS	a. CONCENTRATION	b. MASS		a. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS
DC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)							
22B. 1,4-Dichlorobenzene (106-46-7)							
23B. 3,3'-Dichlorobenzidine (91-94-1)		X					
24B. Diethyl 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 (606-20-2)		X					
29B. Di-N-Octyl Phthalate (117-84-0)		X					
30B. 1,2-Diphenylhydrazine (see Aro-arzene) (122-66-7)		X					
31B. Fluorethene (306-44-0)		X					
32B. Fluorene (86-73-7)		X					
33B. Hexachlorobenzene (118-74-1)		X					
34B. Hexachlorobutadiene (97-68-3)		X					
35B. Hexachlorocyclopentadiene (77-47-4)		X					
36B. Hexachloroethane (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 (98-96-3)		X					
41B. N-Nitrosodimethylamine (62-75-9)		X					
42B. N-Nitrosodipropylamine		X					

EPA I.D. NUMBER (copy from Item 1 of Form 1) OUTFALL NUMBER
NYD000706077 002

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. LONG TERM AVERAGE VALUE (if available)	5. NO. OF ANAL. YES	6. UNITS		7. INTAKE (optional)												
	8. 99-100% OF AVERAGE	9. 99-100% OF AVERAGE	10. MAXIMUM 30 DAY VALUE (if available)	11. CONCENTRATION			12. MASS	13. CONCENTRATION	14. MASS	15. LONG TERM AVERAGE VALUE (if available)	16. MASS	17. NO. OF ANAL. YES									
GCMS FRACTION - PESTICIDES (continued)																					
17P. Heptachlor Epoxide (1024-57-3)			X																		
18P. PCB-1242 (83469-21-9)			X																		
19P. PCB-1254 (11097-69-1)			X																		
20P. PCB-1221 (11104-28-2)			X																		
21P. PCB-1232 (11141-16-5)			X																		
22P. PCB-1248 (12672-29-6)			X																		
23P. PCB-1260 (11098-82-5)			X																		
24P. PCB-1018 (12674-11-2)			X																		
25P. Toxaphene (8001-35-2)			X																		

ITEM V-8 CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	D. COLLECTED PRE-SECT	D. RE-LIQUIDATED AD-SECT	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANAL-YSES	A. CONCENTRATION	B. MASS	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	
g. Nitrogen, Total Organic (as N)	X		.83	.1					1	mg/l	lbs/day			
h. Oil and Grease	X		2.3	.3			5.57	.05	24	mg/l	lbs/day			
i. Phosphorus (as P), Total (7723-14-0)	X		.38	.05					1	mg/l	lbs/day			
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO ₄) (14805-79-8)	X		340	40.8					1	mg/l	lbs/day			
l. Sulfide (as S)	X		LT .1						1	mg/l				
m. Sulfite (as SO ₃) (14268-46-3)	X		LT .4						1	mg/l				
n. Surfactants		X												
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		6.3	.8			1.30	.01	24	mg/l	lbs/day			
t. Magnesium, Total (7439-98-4)	X		210	25.2					1	mg/l	lbs/day			
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-8)	X		.1	.01					1	mg/l	lbs/day			
w. Tin, Total (7440-31-8)		X												
x. Thallium, Total (7440-32-8)		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.

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	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	
a. Biochemical Oxygen Demand (BOD)	5.0	.6					1	mg/l	lbs/day			
b. Chemical Oxygen Demand (COD)	680	81.6					1	mg/l	lbs/day			
c. Total Organic Carbon (TOC)	6	.7					1	mg/l	lbs/day			
d. Total Suspended Solids (TSS)	51	6.1			12.7	.1	25	mg/l	lbs/day			
e. Ammonia (as N)	.17	.02					1	mg/l	lbs/day			
f. Flow	VALUE 14400		VALUE		VALUE 972		24	GPD		VALUE		
g. Temperature (winter)	VALUE 10.7		VALUE		VALUE		1	°C		VALUE		
h. Temperature (summer)	VALUE NA		VALUE		VALUE		1	°C		VALUE		
i. pH	MINIMUM 6.95	MAXIMUM 6.95	MINIMUM	MAXIMUM	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 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. 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. SEE LIST FOR PRESENT	b. SEE LIST FOR ABSENT	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	
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual		X												
c. Color	X		15						1	CU				
d. Faecal Coliform		X												
e. Fluoride (14604-48-6)		X												
f. Nitrate-Nitrite (as N)	X		LT .5						1	mg/l				

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TESTING REQUIRED	B. RECEIVED PRESENT	C. BELIEVED ASSENT	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		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			LT 25						1	ug/l				
2V. Acrylonitrile (107-13-1)	X			LT 25						1	ug/l				
3V. Benzene (71-43-2)	X			LT 1						1	ug/l				
4V. Bis (Chloromethyl) Ether ("42-88-1)	X			LT 1						1	ug/l				
5V. Bromoform (75-25-2)	X			LT 1						1	ug/l				
6V. Carbon Tetrachloride (56-23-5)	X			LT 1						1	ug/l				
7V. Chlorobenzene (108-90-7)	X			LT 1						1	ug/l				
8V. Chlorodibromomethane (124-48-1)	X			LT 1						1	ug/l				
9V. Chloroethane (75-00-3)	X			LT 1						1	ug/l				
10V. 2-Chloroethylvinyl Ether (110-75-8)	X			LT 1						1	ug/l				
11V. Chloroform (67-66-3)	X			LT 1						1	ug/l				
12V. Dichlorobromomethane (75-27-4)	X			LT 1						1	ug/l				
13V. Dichlorodifluoromethane (75-71-8)	X			LT 1						1	ug/l				
14V. 1,1-Dichloroethane (75-34-3)	X			LT 1						1	ug/l				
15V. 1,2-Dichloroethane (107-06-2)	X			LT 1						1	ug/l				
16V. 1,1-Dichloroethylene (75-35-4)	X			LT 1						1	ug/l				
17V. 1,2-Dichloropropane (78-87-5)	X			LT 1						1	ug/l				
18V. 1,3-Dichloropropylene (542-75-8)	X			LT 1						1	ug/l				
19V. Ethylbenzene (100-41-4)	X			LT 1						1	ug/l				
20V. Methyl Bromide (74-83-9)	X			LT 1						1	ug/l				
21V. Methyl Chloride (74-87-3)	X			LT 1						1	ug/l				

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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, nonprocess wastewater outfalls, and nonrequired 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 is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 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. YES NO OR GU - SU	B. BELIEVED PRE SENT	C. BELIEVED AB SENT	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	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			LT .005						1	mg/l				
1M. Arsenic, Total (7440-38-2)	X			LT .005						1	mg/l				
1M. Beryllium, Total (7440-41-7)	X			LT .001						1	mg/l				
1M. Cadmium, Total (7440-43-9)	X			LT .001						1	mg/l				
1M. Chromium, Total (7440-47-3)	X			.02	2E-3					1	mg/l	lbs/day			
1M. Copper, Total (7440-50-8)	X			.06	7E-3					1	mg/l	lbs/day			
1M. Lead, Total (7439-92-1)	X			.013	2E-3					1	mg/l	lbs/day			
1M. Mercury, Total (7439-97-6)	X			LT.00025						1	mg/l				
1M. Nickel, Total (7440-02-0)	X			LT .1						1	mg/l				
1M. Selenium, Total (7782-49-2)	X			LT .005						1	mg/l				
1M. Silver, Total (7440-22-4)	X			LT .02						1	mg/l				
2M. Thallium, Total (7440-28-0)	X			LT .005						1	mg/l				
3M. Zinc, Total (7440-65-6)	X			.38	.05					1	mg/l	lbs/day			
4M. Cyanide, Total (57-12-5)	X			LT .02						1	mg/l				
5M. Phenols, Total	X			.009	1E-3					1	mg/l	lbs/day			

DIOXIN

1,3,7,8-Tetra-chlorodibenzo-P-dioxin (1764-01-8)				DESCRIBE RESULTS
			X	

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)	
	X	X	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE		c. CONC. TREATMENT	d. MASS	e. LONG TERM AVERAGE VALUE	
			(i) concentration	(ii) mass	(i) concentration	(ii) mass			(i) concentration	(ii) mass
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS										
1B. Acenaphthene (83-32-9)	X		LT 1				1	UG/L		
2B. Acenaphthylene (208-98-8)	X		LT 1				1	UG/L		
3B. Anthracene (120-12-7)	X		LT 1				1	UG/L		
4B. Benzidine (92-87-5)	X		LT 50				1	UG/L		
5B. Benzo (a) Anthracene (56-55-3)	X		LT 1				1	UG/L		
6B. Benzo (a) Pyrene (50-32-8)	X		LT 1				1	UG/L		
7B. 3,4-Benzo-Fluoranthene (205-99-2)	X		LT 1				1	UG/L		
8B. Benzo (a,h) Pyrene (191-24-2)	X		LT 1				1	UG/L		
9B. Benzo (k) Fluoranthene (207-08-9)	X		LT 1				1	UG/L		
10B. Bis (2-Chloro-ethyl) Methane (111-91-1)	X		LT 1				1	UG/L		
11B. Bis (2-Chloro-ethyl) Ether (111-44-8)	X		LT 1				1	UG/L		
12B. Bis (2-Chloro-propyl) Ether (102-80-1)	X		LT 1				1	UG/L		
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)	X		3	3,GE-4			1	UG/L	lbs/day	
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X		LT 1				1	UG/L		
15B. Butyl Benzyl Phthalate (85-88-7)	X		LT 1				1	UG/L		
16B. 2-Chloro-naphthalene (91-58-7)	X		LT 1				1	UG/L		
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		LT 1				1	UG/L		
18B. Chrysenes (1518-01-9)	X		LT 1				1	UG/L		
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		LT 1				1	UG/L		
20B. 1,2-Dichloro-benzene (95-50-1)	X		LT 1				1	UG/L		
21B. 1,3-Dichloro-benzene (541-73-1)	X		LT 1				1	UG/L		

POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	EXISTING REGULATIONS	NEW REGULATIONS	C. REGULATIONS	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if applicable)		c. LONG TERM AVRG. VALUE (if applicable)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	e. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS						
MS FRACTION - VOLATILE COMPOUNDS (continued)															
6. Methylene chloride (75-09-2)	X			LT 1						1	ug/l				
7. 1,1,2,2-Tetrabromethane (34-5)	X			LT 1						1	ug/l				
7. Tetrachloroethylene (127-18-4)	X			LT 1						1	ug/l				
7. Toluene (88-3)	X			LT 1						1	ug/l				
7. 1,2-Trans-Dibromoethylene (86-6)	X			LT 1						1	ug/l				
7. 1,1,1-Tribromoethane (85-8)	X			LT 1						1	ug/l				
7. 1,1,2-Tribromoethane (80-5)	X			LT 1						1	ug/l				
7. Trichloroethylene (79-01-8)	X			LT 1						1	ug/l				
7. Trichloroethane (89-4)	X			LT 1						1	ug/l				
7. Vinyl chloride (75-01-4)	X			LT 1						1	ug/l				
MS FRACTION - ACID COMPOUNDS															
2-Chlorophenol (87-8)	X			LT 1						1	ug/l				
2,4-Dichlorophenol (120-83-2)	X			LT 1						1	ug/l				
2,4-Dimethylphenol (105-87-9)	X			LT 1						1	ug/l				
4,6-Dinitro-Phenol (534-52-1)	X			LT 5						1	ug/l				
2,4-Dinitrophenol (51-28-5)	X			LT 10						1	ug/l				
2-Nitrophenol (75-5)	X			LT 1						1	ug/l				
4-Nitrophenol (102-7)	X			LT 1						1	ug/l				
3-Chloro-Phenol (59-50-7)	X			LT 1						1	ug/l				
Pentachlorophenol (87-88-5)	X			LT 100						1	ug/l				
Phenol (95-2)	X			LT 1						1	ug/l				
2,4,6-Tri-nitrophenol	X			LT 1						1	ug/l				

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
	Env. Agency	Sec. 303	5. MAXIMUM DAILY VALUE (if available)	6. LONG TERM AVERAGE VALUE (if available)	8. CONCENTRATION	9. MASS	10. LONG TERM AVERAGE VALUE (if available)	11. NO. OF ANALYSES
GC/MS FRACTION -- BASE/NEUTRAL COMPOUNDS (continued)								
438. N-Nitro-1-methylphenylamine (85-30-6)	X		LT 1					
448. Phenanthrene (85-01-8)	X		LT 1					
458. Pyrene (129-00-0)	X		LT 1					
468. 1,2,4-Trichlorobenzene (120-82-1)	X		LT 1					
GC/MS FRACTION -- PESTICIDES								
1P. Aldrin (309-00-2)		X						
2P. α -BHC (319-84-6)		X						
3P. β -BHC (319-85-7)		X						
4P. γ -BHC (58-89-9)		X						
5P. δ -BHC (319-86-8)		X						
6P. Chlordane (57-74-9)		X						
7P. 4,4'-DDT (50-29-3)		X						
8P. 4,4'-DDE (72-88-8)		X						
9P. 4,4'-DDD (72-84-8)		X						
10P. Dieldrin (60-57-1)		X						
11P. β -Endosulfan (115-29-7)		X						
12P. β -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 (76-44-8)		X						

EPA I.D. NUMBER (copy from Item 1 of Form 1) **NYD000706077** **OUTFALL NUMBER**
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CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT				4. UNITS		5. INTAKE (optional)					
	A. TEST USE OR QUANTIFIER	B. RECOVERED FRACTION	C. RECOVERED AS SOLID	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	
IC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X			LT 1						1	ug/l				
23B. 3,3'-Dichlorobenzidine (91-94-1)	X			LT 50						1	ug/l				
24B. Diethyl Phthalate (84-66-2)	X			LT 1						1	ug/l				
25B. Dimethyl Phthalate (131-11-3)	X			LT 1						1	ug/l				
66B. Di-N-Butyl Phthalate (84-74-2)	X			2	2.4E-4					1	ug/l	lbs/day			
27B. 2,4-Dinitrotoluene (121-14-2)	X			LT 1						1	ug/l				
28B. 2,6-Dinitrotoluene (806-20-2)	X			LT 1						1	ug/l				
29B. Di-N-Octyl Phthalate (117-84-0)	X			LT 1						1	ug/l				
68B. 1,2-Diphenylhydrazine (or Azo-benzene) (122-66-7)	X			LT 1						1	ug/l				
31B. Fluoranthene (206-44-0)	X			LT 1						1	ug/l				
32B. Fluorene (86-73-7)	X			LT 1						1	ug/l				
33B. Hexachlorobenzene (18-74-1)	X			LT 1						1	ug/l				
34B. Hexachlorobutadiene (87-68-3)	X			LT 1						1	ug/l				
25B. Hexachlorocyclopentadiene (77-47-4)	X			LT 1						1	ug/l				
35B. Hexachloroethane (87-72-1)	X			LT 100						1	ug/l				
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			LT 1						1	ug/l				
88B. Isoprene (78-59-1)	X			LT 1						1	ug/l				
19B. Naphthalene (91-20-3)	X			LT 1						1	ug/l				
10B. Nitrobenzene (98-95-3)	X			LT 1						1	ug/l				
11B. N-Nitrosodimethylamine (62-75-9)	X			LT 1						1	ug/l				
12B. N-Nitrosodi-n-Propylamine (7)	X			LT 1						1	ug/l				

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CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (if not blank)		
	5. 95% TOXICITY DATA	6. 95% TOXICITY DATA	7. MAXIMUM DAILY VALUE (if available)	8. MAXIMUM 30 DAY VALUE (if available)	9. CONCEN- TRATION	10. MASS	11. NO. OF ANAL- YSES	12. LONG TERM AVERAGE VALUE (if available)	13. NO. OF ANAL- YSES
GC/MS FRACTION - PESTICIDES (continued)			(1) CONCENTRATION	(2) MASS	(1) MASS	(2) MASS		(1) MASS	(2) MASS
17P. Heptachlor Epoxide (1024-87-3)		X							
18P. PCB-1242 (53469-21-9)		X							
19P. PCB-1254 (11067-69-1)		X							
20P. PCB-1221 (11104-28-2)		X							
21P. PCB-1232 (11141-16-5)		X							
22P. PCB-1248 (12872-29-6)		X							
23P. PCB-1260 (11098-82-5)		X							
24P. PCB-1018 (12674-11-2)		X							
25P. Toxaphene (8001-35-2)		X							

ITEMS CONTINUED FROM FRONT

1. POLLUTANT AND CAR NO. (if applicable)	2. MAXIMUM DAILY VALUE		3. EFFLUENT		4. NO. OF ANAL. YRS		5. INTAKE (optional)		
	(1) concentration	(2) mass	(1) concentration	(2) mass	(1) concentration	(2) mass	(1) concentration	(2) mass	
g. Nitrogen, Total Organic (see N)	X	.5			1		.83	.09	1
h. Oil and Grease	X	.4			1		LT .4		1
i. Phosphorus (see P), Total (1723-14-0)	X	.051		5E-3	1		LT .02		1
j. Radioactivity									
(1) Alpha, Total									
(2) Beta, Total									
(3) Radium, Total									
(4) Radium 226, Total									
k. Sulfate (see SO ₄) (14606-78-8)	X	2100		217.5	1		2100	217.5	1
l. Sulfide (see S)									
m. Sulfite (see SO ₃) (14206-06-3)									
n. Surfactants									
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 (7439-89-6)	X								
t. Magnesium, Total (7439-98-4)	X								
u. Molybdenum, Total (7439-98-7)	X								
v. Manganese, Total (7439-96-8)	X								
w. Tin, Total (7440-31-8)	X								
x. Vanadium, Total (7440-32-8)	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)

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Shoreham
NY0026344

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

OUTFALL NO.
004

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	e. CONCEN- TRATION	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	
Biochemical Oxygen Demand (BOD)	Exempt											1
Chemical Oxygen Demand (COD)	Exempt											1
Total Organic Carbon (TOC)	2	.2					mg/l	lbs/day	3	.3		1
Total Suspended Solids (TSS)	67	6.9					mg/l	lbs/day	37	3.8		1
Ammonia (as N)	.08	.01					mg/l	lbs/day	.37	.04		1
Flow	VALUE 12,420		VALUE		VALUE 61,950			GPD		VALUE 12420		1
Temperature (winter)	VALUE No Data		VALUE		VALUE 18.6			°C		VALUE		
Temperature (summer)	VALUE NA		VALUE		VALUE 30.4			°C		VALUE		
pH	MINIMUM 7.82	MAXIMUM 7.82	MINIMUM	MAXIMUM	X		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 which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2-a, you must provide quantitative data or an explanation of their presence in your discharge. 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. see attached prep. sheet	b. see attached prep. sheet	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM / AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCEN- TRATION	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 (24955-67-9)	X		73	7.6					1	mg/l	lbs/day	68	7.0	1
b. Chlorine, Total Residual		X												
c. Color	X		LT 5						1	CU		LT 5		1
d. Fecal Coliform		X												
e. Fluoride (14804-49-8)		X												
f. Nitrate-Nitrite (as N)	X		LT .5						1	mg/l		LT .5		1

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST METH- OD	B. RE- SULTS SENT	C. RE- SULTS SENT	B. MAXIMUM DAILY VALUE		D. 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
				(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS				(i) CONCENTRATION	(ii) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			LT 25						1	ug/l		LT 25		1
2V. Acrylonitrile (107-13-1)	X			LT 25						1	ug/l		LT 25		1
3V. Benzene (71-43-2)	X			LT 1						1	ug/l		LT 1		1
4V. Bis (Chloromethyl) Ether (542-88-1)	X			LT 1						1	ug/l		LT 1		1
5V. Bromoform (75-25-2)	X			LT 1						1	ug/l		LT 1		1
6V. Carbon Tetrachloride (56-23-5)	X			LT 1						1	ug/l		LT 1		1
7V. Chlorobenzene (108-90-7)	X			LT 1						1	ug/l		LT 1		1
8V. Chlorodibromomethane (124-48-1)	X			LT 1						1	ug/l		LT 1		1
9V. Chloroethane (78-00-3)	X			LT 1						1	ug/l		LT 1		1
10V. 2-Chloroethylvinyl Ether (110-75-8)	X			LT 1						1	ug/l		LT 1		1
11V. Chloroform (67-66-3)	X			LT 1						1	ug/l		LT 1		1
12V. Dichlorobromomethane (75-27-4)	X			LT 1						1	ug/l		LT 1		1
13V. Dichlorodifluoromethane (75-71-8)	X			LT 1						1	ug/l		LT 1		1
14V. 1,1-Dichloroethane (75-34-3)	X			LT 1						1	ug/l		LT 1		1
15V. 1,2-Dichloroethane (107-06-2)	X			LT 1						1	ug/l		LT 1		1
16V. 1,1-Dichloroethylene (75-35-4)	X			LT 1						1	ug/l		LT 1		1
17V. 1,2-Dichloropropane (78-87-5)	X			LT 1						1	ug/l		LT 1		1
18V. 1,3-Dichloropropene (542-75-8)	X			LT 1						1	ug/l		LT 1		1
19V. Ethylbenzene (100-41-4)	X			LT 1						1	ug/l		LT 1		1
20V. Methyl Bromide (74-83-9)	X			LT 1						1	ug/l		LT 1		1
21V. Methyl Chloride (74-87-3)	X			LT 1						1	ug/l		LT 1		1

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NYD000706077	004

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 Approval expires 7-31-88

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, nonprocess wastewater outfalls, and nonrequired 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 is absent. If you mark column 2e for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part, please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT				4. UNITS		5. INTAKE (optional)					
	STRENGTH REQUIRD	D. NO. LIEVED PRE-SENT	C. RE-DELIVERED AS SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. CONCENTRATION	e. MASS	f. LONG TERM AVERAGE VALUE		g. NO. OF ANALYSES	
				(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS	(i) CONCENTRATION	(ii) MASS						
METALS, CYANIDE, AND TOTAL PHENOLS															
9M. Antimony, Total (7440-36-0)	X			LT.005						1	mg/l		LT.005	1	
7M. Arsenic, Total (7440-38-2)	X			LT.005						1	mg/l		LT.005	1	
9M. Beryllium, Total (7440-41-7)	X			LT.005						1	mg/l		LT.005	1	
9M. Cadmium, Total (7440-43-9)	X			LT.001						1	mg/l	lbs/day	.06	6E-3	1
9M. Chromium, Total (7440-47-3)	X			0.04	4E-3					1	mg/l	lbs/day	.23	.02	1
9M. Copper, Total (7440-50-8)	X			0.23	.02					1	mg/l	lbs/day	LT.005		1
7M. Lead, Total (7439-92-1)	X			.025	3E-3					1	mg/l		LT.00025		1
9M. Mercury, Total (7439-97-8)	X			LT.00025						1	mg/l	lbs/day	.15	.02	1
9M. Nickel, Total (7440-02-0)	X			.19	.02					1	mg/l		LT.005		1
10M. Selenium, Total (7782-49-2)	X			LT.005						1	mg/l		LT.001		1
11M. Silver, Total (7440-22-4)	X			LT.01						1	mg/l		LT.005		1
12M. Thallium, Total (7440-28-0)	X			LT.005						1	mg/l	lbs/day	.05	5E-3	1
13M. Zinc, Total (7440-66-6)	X			.06	6E-3					1	mg/l		LT.02		1
14M. Cyanide, Total (57-12-5)	X			LT.02						1	mg/l		LT.001		1
15M. Phenols, Total	X			LT.001											
DIOXIN															
2,3,7,8 Tetra-chlorodibenzo-F. Dioxin (1754-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)		
	Street No. City State ZIP	USE CODE (see 40 CFR 300.11)	8. MAXIMUM DAILY VALUE (l) MASS CONCENTRATION	9. MAXIMUM 30 DAY VALUE (if available) (l) MASS CONCENTRATION	10. LONG TERM AVERG. VALUE (if available) (l) MASS CONCENTRATION	11. NO. OF ANAL. YRS	12. CONCENTRATION (l) MASS	13. AVERAGE VALUE (l) MASS	14. NO. OF ANAL. YRS
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS									
1B. Acenaphthene (83-32-8)		X							
2B. Acenaphthylene (208-96-8)		X							
3B. Anthracene (120-12-7)		X							
4B. Benzidine (92-87-6)		X							
5B. Benzo (a) Anthracene (56-55-3)		X							
6B. Benzo (a) Pyrene (50-32-8)		X							
7B. 3,4-Benzo-Fluoranthene (205-99-2)		X							
8B. Benzo (ghi) Perylene (191-24-2)		X							
9B. Benzo (k) Fluoranthene (207-06-9)		X							
10B. Bis (2-Chloroethyl) Methane (111-91-1)		X							
11B. Bis (2-Chloroethyl) Ether (111-46-4)		X							
12B. Bis (2-Chloroethyl) Ether (102-60-1)		X							
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)		X							
14B. 4-Bromophenyl Phenyl Ether (101-55-3)		X							
15B. Butyl Benzyl Phthalate (85-68-7)		X							
16B. 2-Chloronaphthalene (81-58-7)		X							
17B. 4-Chlorophenyl Phenyl Ether (17005-72-3)		X							
18B. Chrysene (218-01-9)		X							
19B. Dibenzo (a,h) Anthracene (53-70-3)		X							
20B. 1,2-Dichlorobenzene (95-50-1)		X							
21B. 1,3-Dichlorobenzene (541-73-1)		X							

Form 3510-2C (Rev. 2-85)

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CONTINUE ON PAGE V-7

EPA I.D. NUMBER (copy from Item 1 of Form 1) **NYD000706077** OUTFALL NUMBER **004**

Form Approved
OMB No. 2040-0086
Approval expires 7-31-88

CONTINUED FROM PAGE V-4

POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT				4. UNITS		5. INTAKE (optional)					
	A. YES OR NO OR NR	B. DE- LIVERED PRE- SENT	C. DE- LIVERED AS SENT	B. 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	
MS FRACTION - VOLATILE COMPOUNDS (continued)															
7. Methylene chloride (75-09-2)	X			LT 1					1	ug/l			LT 1	1	
8. 1,1,2,2-Tetrachloroethane (34-5)	X			LT 1					1	ug/l			LT 1	1	
9. Tetrachloroethene (127-18-4)	X			LT 1					1	ug/l			LT 1	1	
10. Toluene (88-3)	X			LT 1					1	ug/l			LT 1	1	
11. 1,2-Dichloroethene (60-5)	X			LT 1					1	ug/l			LT 1	1	
12. 1,1,1-Trichloroethane (65-6)	X			LT 1					1	ug/l			LT 1	1	
13. 1,1,2-Trichloroethane (70-5)	X			LT 1					1	ug/l			LT 1	1	
14. Trichloroethene (79-01-8)	X			LT 1					1	ug/l			LT 1	1	
15. Trichloromethane (89-4)	X			LT 1					1	ug/l			LT 1	1	
16. Vinyl chloride (75-01-4)	X			LT 1					1	ug/l			LT 1	1	
MS FRACTION - ACID COMPOUNDS															
17. 2-Chlorophenol (67-8)	X			LT 1					1	ug/l			LT 1	1	
18. 2,4-Dichlorophenol (120-83-2)	X			LT 1					1	ug/l			LT 1	1	
19. 2,4-Dimethylphenol (105-67-9)	X			LT 1					1	ug/l			LT 1	1	
20. 2,6-Dinitro-Ortho-cresol (534-52-1)	X			LT 5					1	ug/l			LT 5	1	
21. 2,4-Dinitrophenol (51-28-5)	X			LT 10					1	ug/l			LT 10	1	
22. 2-Nitrophenol (75-5)	X			LT 1					1	ug/l			LT 1	1	
23. 4-Nitrophenol (102-7)	X			LT 1					1	ug/l			LT 1	1	
24. 2-Chloro-Methylphenol (59-50-7)	X			LT 1					1	ug/l			LT 1	1	
25. Pentachlorophenol (87-86-5)	X			LT 100					1	ug/l			LT 100	1	
26. Phenol (95-2)	X			LT 1					1	ug/l			LT 1	1	
27. 2,4,6-Trinitrophenol	X			LT 1					1	ug/l			LT 1	1	

CONTINUED FROM THE FRONT

1. POLLUTANT NUMBER (if available)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)	
	100% AS GIVEN	5% AS GIVEN	8. MAXIMUM DAILY VALUE		C. LONG TERM AVERAGE VALUE		4. CONCEN- TRATION	5. MASS	6. LONG TERM AVERAGE VALUE	
			(1) concentration	(2) mass	(1) concentration	(2) mass			(1) mass	(2) mass
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)										
43B. N-Nitro- aniline (86-30-6)		X								
43B. Phenanthrene (85-01-8)		X								
45B. Pyrene (129-00-0)		X								
45B. 1,2,4-Trifluoro- benzene (120-82-1)		X								
GC/MS FRACTION - PESTICIDES										
1P. Aldrin (509-00-2)		X								
2P. D. BHC (319-84-6)		X								
3P. β -BHC (319-85-7)		X								
4P. γ -BHC (59-89-9)		X								
5P. δ -BHC (319-86-8)		X								
6P. Chlordane (57-74-9)		X								
7P. 4,4'-DDE (50-29-3)		X								
8P. 4,4'-DDE (72-85-8)		X								
9P. 4,4'-DDD (72-84-8)		X								
10P. Dieldrin (60-87-1)		X								
11P. α -Endosulfan (115-29-7)		X								
12P. β -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 (76-44-8)		X								

CONTAMINANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (if not met)		
	TEST METHOD	CONCENTRATION	MAXIMUM DAILY VALUE (1) CONCENTRATION	MAXIMUM 30 DAY VALUE (2) MASS	CONCENTRATION	MASS	LONG TERM AVERAGE VALUE (1) MASS	NO. OF ANALYSES	
BASE/NEUTRAL COMPOUNDS (continued)									
1,4-Dichlorobenzene (106-46-7)		X							
3,3'-Dichlorodiphenylsulfone (94-1)		X							
Diethyl phthalate (66-2)		X							
Dimethyl phthalate (11-11-3)		X							
Di-N-Butyl phthalate (174-2)		X							
2,4-Dinitrotoluene (121-14-2)		X							
2,5-Dinitrotoluene (806-20-2)		X							
Di-N-Octyl phthalate (1744-0)		X							
1,2-Diphenyl-3-pyridine (as Arochlorine) (122-86-7)		X							
Fluoranthene (206-44-0)		X							
Fluorene (6-73-7)		X							
Hexachlorobenzene (108-76-1)		X							
Hexachlorobutadiene (17-68-3)		X							
Hexachlorocyclopentadiene (7-47-4)		X							
Hexachloroethane (87-72-1)		X							
Indeno (1,2,3-cd) Pyrene (193-39-5)		X							
Isophorone (78-69-1)		X							
Isophthalene (91-20-3)		X							
Nitrobenzene (98-96-3)		X							
N-Nitrosodimethylamine (82-76-9)		X							
N-Nitrosodi-N-Propylamine (17)		X							

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT				4. UNITS		5. INTAKE (optional)			
	17P-EP X17 2010	18P-PCB X18 2010	19P-PCB X19 2010	6. MAXIMUM DAILY VALUE (if available) (1) MASS CONCENTRATION	7. LONG TERM AVG. VALUE (if available) (1) MASS CONCENTRATION		8. CONCEN-TRATION	9. LONG TERM AVERAGE VALUE (1) CONCENTRATION	10. MASS	11. NO. OF ANAL-YSES	12. NO. OF ANAL-YSES	13. INTAKE	
					(1) MASS	(2) MASS						(1) MASS	(2) MASS
GC/MS FRACTION - PESTICIDES (continued)													
17P. Heptachlor Epoxide (1024-87-3)			X										
18P. PCB-1242 (53469-21-9)			X										
19P. PCB-1254 (11097-89-1)			X										
20P. PCB-1221 (11104-28-2)			X										
21P. PCB-1232 (11141-18-5)			X										
22P. PCB-1248 (12672-29-6)			X										
23P. PCB-1260 (11098-82-5)			X										
24P. PCB-1016 (12674-11-2)			X										
25P. Toxaphene (8001-35-2)			X										

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C914444/1

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #001, composite

ANALYTICAL PARAMETERS

Antimony as Sb	mg/L	<0.005
Arsenic as As	mg/L	<0.005
Beryllium as Be	mg/L	<0.005
Cadmium as Cd	mg/L	<0.005
Chromium as Cr	mg/L	0.05
Copper as Cu	mg/L	0.10
Lead as Pb	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Nickel as Ni	mg/L	0.15
Selenium as Se	mg/L	<0.005
Silver as Ag	mg/L	<0.001
Thallium as Tl	mg/L	<0.005
Zinc as Zn	mg/L	0.03
Tot Organic Carbon	mg/L	3
Tot Suspended Solids	mg/L	44
Ammonia as N	mg/L	0.18
Bromide as Br	mg/L	66
Color	units mg/L	<5
Organic Nitrogen as N	mg/L	0.42
Tot. Kjeldahl N.	mg/L	0.6
Nitrate as N	mg/L*	<0.5
Phosphorous as P	mg/L	0.080
Sulfate as SO4	mg/L	2100
Aluminum as Al	mg/L	<1.0
Barium as Ba	mg/L	<0.25

ANALYTICAL PARAMETERS

Boron as B	mg/L	4.5
Cobalt as Co	mg/L	<0.20
Iron as Fe	mg/L	0.27
Magnesium as Mg	mg/L	1000
Molybdenum as Mo	mg/L	<0.25
Manganese as Mn	mg/L	0.06
Tin as Sn	mg/L	<0.10
Titanium as Ti	mg/L	<0.50



cc:

REMARKS: * Nitrate result also includes nitrite.
**Bromide analysis performed by Princeton Testing Labs.,
Princeton N.J., for Ecotest Labs., Inc.

DIRECTOR _____

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C914444/1

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #001, composite

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	<1
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	<1
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	1
Dichlorodifluomethane	ug/L*	<1
BiChloromethylEther	ug/L	<1
acrolein	ug/L	<25
acrylonitrile	ug/L	<25

cc:

REMARKS: Analysis performed by EPA method 624.
*Dichlorodifluomethane = Dichlorodifluoromethane

DIRECTOR _____



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LAB NO. C914444/1

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #001, composite
UNITS: ug/L

ANALYTICAL PARAMETERS

Phenol	<1
2-Chlorophenol	<1
2-Nitrophenol	<1
2,4-Dimethylphenol	<1
2,4-Dichlorophenol	<1
4-Chloro-3-methylphenol	<1
2,4,6-Trichlorophenol	<1
4-Nitrophenol	<1
2,4-Dinitrophenol	<10
2-Methyl-4,6-dinitrophenol	<5
Pentachlorophenol	<100

ANALYTICAL PARAMETERS

cc:

REMARKS:

DIRECTOR _____



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LAB NO. C914444/2

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #001, grab

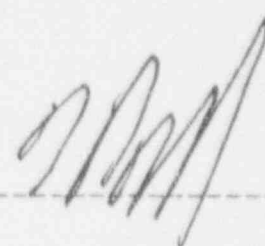
ANALYTICAL PARAMETERS
Phenols as Phenol mg/L <0.001
Oil and Grease mg/L <0.4
Cyanide as CN mg/L <0.02

ANALYTICAL PARAMETERS

CC:

REMARKS:

DIRECTOR _____



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LAB NO. C914444/3

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #001-Inlet, comp.

ANALYTICAL PARAMETERS

Antimony as Sb	mg/L	<0.005
Arsenic as As	mg/L	<0.005
Beryllium as Be	mg/L	<0.005
Cadmium as Cd	mg/L	<0.005
Chromium as Cr	mg/L	0.06
Copper as Cu	mg/L	0.23
Lead as Pb	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Nickel as Ni	mg/L	0.15
Selenium as Se	mg/L	<0.005
Silver as Ag	mg/L	<0.001
Thallium as Tl	mg/L	<0.005
Zinc as Zn	mg/L	0.05
Tot Organic Carbon	mg/L	3
Tot Suspended Solids	mg/L	37
Ammonia as N	mg/L	0.37
Bromide as Br	mg/L	68
Color	units	<5
Organic Nitrogen as N	mg/L	0.83
Tot. Kjeldahl N.	mg/L	1.2
Nitrate as N	mg/L*	<0.5
Phosphorous as P	mg/L	<0.02
Sulfate as SO4	mg/L	2100
Aluminum as Al	mg/L	<1.0
Barium as Ba	mg/L	<0.25

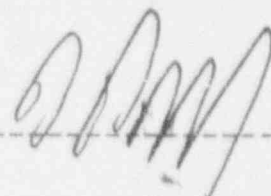
ANALYTICAL PARAMETERS

Boron as B	mg/L	3.5
Cobalt as Co	mg/L	<0.20
Iron as Fe	mg/L	0.21
Magnesium as Mg	mg/L	1100
Molybdenum as Mo	mg/L	<0.25
Manganese as Mn	mg/L	0.06
Tin as Sn	mg/L	<0.10
Titanium as Ti	mg/L	<0.50

CC:

REMARKS: * Nitrate result also includes nitrite.
**Bromide analysis performed by Princeton Testing Labs.,
Princeton N.J., for Ecotest Labs., Inc.

DIRECTOR _____



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LAB NO. C914444/3

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D:12/11/91 RECEIVED:12/12/91

SAMPLE: Water sample, Outfall #001-Inlet, comp.

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	<1
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	<1
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1
Dichlordifluomethane	ug/L*	<1
BisChloromethylEther	ug/L	<1
acrolein	ug/L	<25
acrylonitrile	ug/L	<25

cc:

REMARKS: Analysis performed by EPA method 624.

*Dichlordifluomethane = Dichlorodifluoromethane

DIRECTOR _____


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LAB NO. C914444/3

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #001-Inlet, comp.
UNITS: ug/L

ANALYTICAL PARAMETERS

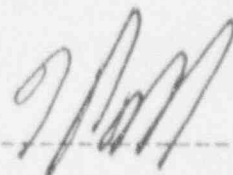
Phenol	<1
2-Chlorophenol	<1
2-Nitrophenol	<1
2,4-Dimethylphenol	<1
2,4-Dichlorophenol	<1
4-Chloro-3-methylphenol	<1
2,4,6-Trichlorophenol	<1
4-Nitrophenol	<1
2,4-Dinitrophenol	<10
2-Methyl-4,6-dinitrophenol	<5
Pentachlorophenol	<100

ANALYTICAL PARAMETERS

cc:

REMARKS:

DIRECTOR _____



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LAB NO. C914444/4

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #001-Inlet, grab

ANALYTICAL PARAMETERS

Phenols as Phenol	mg/L	<0.001
Cyanide as CN	mg/L	<0.02
Oil and Grease	mg/L	<0.4

ANALYTICAL PARAMETERS

CC:

REMARKS:

DIRECTOR _____



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C914444/5

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

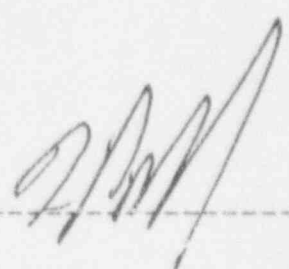
SAMPLE: Water sample, Outfall #001a

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Antimony as Sb	mg/L	<0.005	Sulfite as SO3	mg/L	<0.4
Arsenic as As	mg/L	<0.005	Iron as Fe	mg/L	0.20
Beryllium as Be	mg/L	<0.001	Magnesium as Mg	mg/L	0.12
Cadmium as Cd	mg/L	<0.001	Manganese as Mn	mg/L	<0.02
Chromium as Cr	mg/L	0.02	Phenols as Phenol	mg/L	<0.001
Copper as Cu	mg/L	<0.02	Cyanide as CN	mg/L	<0.02
Lead as Pb	mg/L	0.005			
Mercury as Hg	mg/L	<0.00025			
Nickel as Ni	mg/L	<0.10			
Selenium as Se	mg/L	<0.005			
Silver as Ag	mg/L	0.004			
Thallium as Tl	mg/L	<0.005			
Zinc as Zn	mg/L	0.03			
BOD5	mg/L	8			
COD	mg/L	<40			
Tot Organic Carbon	mg/L	3.5			
Tot Suspended Solids	mg/L	<3			
Ammonia as N	mg/L	0.39			
Organic Nitrogen as N	mg/L	1.6			
Tot. Kjeldahl N.	mg/L	2.0			
Nitrate as N	mg/L*	<0.5			
Oil and Grease	mg/L	<0.4			
Phosphorous as P	mg/L	<0.02			
Sulfate as SO4	mg/L	320			
Sulfide as S	mg/L	<0.1			

cc:

REMARKS: *Nitrate result also includes nitrite.

DIRECTOR _____



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LAB NO. C914444/5

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #001a

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	<1
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	<1
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1
Dichlorodifluomethane	ug/L*	<1
BisChloromethylEther	ug/L	<1
acrolein	ug/L	<25
acrylonitrile	ug/L	<25

cc:

REMARKS: Analysis performed by EPA method 624.
*Dichlorodifluomethane = DichlorodifluoromethaneDIRECTOR _____


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LAB NO. C914444/5

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #001a
UNITS: ug/L

ANALYTICAL PARAMETERS

Phenol	<1
2-Chlorophenol	<1
2-Nitrophenol	<1
2,4-Dimethylphenol	<1
2,4-Dichlorophenol	<1
4-Chloro-3-methylphenol	<1
2,4,6-Trichlorophenol	<1
4-Nitrophenol	<1
2,4-Dinitrophenol	<10
2-Methyl-4,6-dinitrophenol	<5
Pentachlorophenol	<100

ANALYTICAL PARAMETERS

cc:

REMARKS:

DIRECTOR 

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LAB NO. C914444/5

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91


SAMPLE: Water sample, Outfall #001a
UNITS: ug/L

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS	
N-Nitrosodimethylamine	<1	1,2-Diphenylhydrazine	<1
Bis(2-chloroethyl)ether	<1	4-Bromophenyl phenyl ether	<1
13 Dichlorobenzene	<1	Hexachlorobenzene	<1
14 Dichlorobenzene	<1	Phenanthrene	<1
12 Dichlorobenzene	<1	Anthracene	<1
Bis(2-chloroisopropyl)ether	<1	Di-n-Butyl Phthalate	2
N-Nitroodi-n-propylamine	<1	Fluoranthene	<1
Hexachloroethane	<1	Benzidine	<50
Nitrobenzene	<1	Pyrene	<1
Isophorone	<1	BenzylButylPhthalate	<1
Bis(2-chloroethoxy)methane	<1	Benzo(a)anthracene	<1
124-Trichlorobenzene	<1	3,3'-Dichlorobenzidine	<50
Naphthalene	<1	Chrysene	<1
Hexachlorobutadiene	<1	Bis(2-ethylhexyl)phthalate	1
Hexachlorocyclopentadiene	<100	Di-n-octyl Phthalate	<1
2-Chloronaphthalene	<1	Benzo(b)fluoranthene	<1
Dimethyl Phthalate	<1	Benzo(k)fluoranthene	<1
Acenaphthylene	<1	Benzo(a)pyrene	<1
2,6-Dinitrotoluene	<1	Indeno(1,2,3-cd)pyrene	<1
Acenaphthene	<1	Dibenzo(a,h)anthracene	<1
2,4-Dinitrotoluene	<1	Benzo(ghi)perylene	<1
Diethyl Phthalate	<1		
Fluorene	<1		
4-Chlorophenyl phenyl ether	<1		
N-Nitrosodiphenylamine	<1		

cc:

REMARKS:

DIRECTOR _____



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LAB NO. C914444/6

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #001b

ANALYTICAL PARAMETERS


Antimony as Sb	mg/L	<0.005
Arsenic as As	mg/L	<0.005
Beryllium as Be	mg/L	<0.001
Cadmium as Cd	mg/L	<0.001
Chromium as Cr	mg/L	<0.02
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Nickel as Ni	mg/L	<0.10
Selenium as Se	mg/L	<0.005
Silver as Ag	mg/L	<0.001
Thallium as Tl	mg/L	<0.005
Zinc as Zn	mg/L	<0.02
BOD5	mg/L	<2
COD	mg/L	<40
Tot Organic Carbon	mg/L	<1
Tot Suspended Solids	mg/L	<3
Ammonia as N	mg/L	<0.05
Organic Nitrogen as N	mg/L	0.2
Tot. Kjeldahl N.	mg/L	0.2
Nitrate as N	mg/L	<0.5
Oil and Grease	mg/L	<0.4
Sulfate as SO4	mg/L	<5
Sulfide as S	mg/L	<0.1
Sulfite as SO3	mg/L	<0.4

ANALYTICAL PARAMETERS

Iron as Fe	mg/L	0.09
Magnesium as Mg	mg/L	<0.05
Manganese as Mn	mg/L	<0.02
Cyanide as CN	mg/L	<0.02
Phenols as Phenol	mg/L	0.002

cc:

REMARKS:

DIRECTOR _____


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LAB NO. C914444/6

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #001b

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	<1
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	<1
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1
Dichlorodifluomethane	ug/L*	<1
BisChloromethylEther	ug/L	<1
acrolein	ug/L	<25
acrylonitrile	ug/L	<25

cc:

REMARKS: Analysis performed by EPA method 624.
*Dichlorodifluomethane = Dichlorodifluoromethane

DIRECTOR _____



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LAB NO. C914444/6

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736


SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #001
UNITS: ug/L

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Phenol	<1	
2-Chlorophenol	<1	
2-Nitrophenol	<1	
2,4-Dimethylphenol	<1	
2,4-Dichlorophenol	<1	
4-Chloro-3-methylphenol	<1	
2,4,6-Trichlorophenol	<1	
4-Nitrophenol	<1	
2,4-Dinitrophenol	<10	
2-Methyl-4,6-dinitrophenol	<5	
Pentachlorophenol	<100	

cc:

REMARKS:

DIRECTOR 

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LAB NO. C914444/6

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #001b
UNITS: ug/L

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS	
N-Nitrosodimethylamine	<1	1,2-Diphenylhydrazine	<1
Bis(2-chloroethyl)ether	<1	4-Bromophenyl phenyl ether	<1
13 Dichlorobenzene	<1	Hexachlorobenze..e	<1
14 Dichlorobenzene	<1	Phenanthrene	<1
12 Dichlorobenzene	<1	Anthracene	<1
Bis(2-chloroisopropyl)ether	<1	Di-n-Butyl Phthalate	2
N-Nitrosodi-n-propylamine	<1	Fluoranthene	<1
Hexachloroethane	<1	Ben-zidine	<50
Nitrobenzene	<1	Pyrene	<1
Isophorone	<1	BenzylButylPhthalate	<1
Bis(2-chloroethoxy)methane	<1	Benzo(a)anthracene	<1
124-Trichlorobenzene	<1	3,3'-Dichlorobenzidine	<50
Naphthalene	<1	Chrysene	<1
Hexachlorobutadiene	<1	Bis(2-ethylhexyl)phthalate	<1
Hexachlorocyclopentadiene	<100	Di-n-octyl Phthalate	<1
2-Chloronaphthalene	<1	Benzo(b)fluoranthene	<1
Dimethyl Phthalate	<1	Benzo(k)fluoranthene	<1
Acenaphthylene	<1	Benzo(a)pyrene	<1
2,6-Dinitrotoluene	<1	Indeno(1,2,3-cd)pyrene	<1
Acenaphthene	<1	Dibenzo(a,h)anthracene	<1
2,4-Dinitrotoluene	<1	Benzo(ghi)perylene	<1
Diethyl Phthalate	<1		
Fluorene	<1		
4-Chlorophenyl phenyl ether	<1		
N-Nitrosodiphenylamine	<1		

cc:

REMARKS:

DIRECTOR _____



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C914444/7

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #004

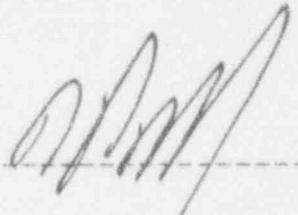
ANALYTICAL PARAMETERS

Antimony as Sb	mg/L	<0.005
Arsenic as As	mg/L	<0.005
Beryllium as Be	mg/L	<0.005
Cadmium as Cd	mg/L	<0.001
Chromium as Cr	mg/L	0.04
Copper as Cu	mg/L	0.23
Lead as Pb	mg/L	0.025
Mercury as Hg	mg/L	<0.00025
Nickel as Ni	mg/L	0.19
Selenium as Se	mg/L	<0.005
Silver as Ag	mg/L	<0.01
Thallium as Tl	mg/L	<0.005
Zinc as Zn	mg/L	0.06
Tot Organic Carbon	mg/L	2
Tot Suspended Solids	mg/L	67
Ammonia as N	mg/L	0.080
Bromide as Br	mg/L	73
Color	units mg/L	<5
Organic Nitrogen as N	mg/L	0.5
Tot. Kjeldahl N.	mg/L	0.6
Nitrate as N	mg/L*	<0.5
Oil and Grease	mg/L	0.4
Phosphorous as P	mg/L	0.051
Sulfate as SO4	mg/L	2100
Cyanide as CN	mg/L	<0.02

ANALYTICAL PARAMETERS

Phenols as Phenol mg/L <0.001

cc:

REMARKS: * Nitrate result also includes nitrite.
** Bromide analysis performed by Princeton Testing Labs.,
Princeton N.J., for Ecotest Labs., Inc.DIRECTOR _____


377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C914444/7

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #004

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	<1
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	<1
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1
Dichlorodifluomethane	ug/L*	<1
BisChloromethylEther	ug/L	<1
acrolein	ug/L	<25
acrylonitrile	ug/L	<25

cc:

REMARKS: Analysis performed by EPA method 624.
*Dichlorodifluomethane = Dichlorodifluoromethane

DIRECTOR _____



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LAB NO. C914444/7

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PD# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Outfall #004
UNITS: ug/L

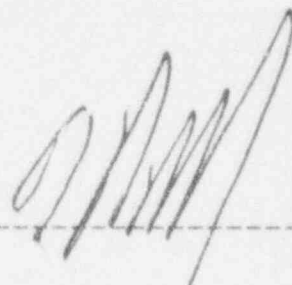
ANALYTICAL PARAMETERS	
Phenol	<1
2-Chlorophenol	<1
2-Nitrophenol	<1
2,4-Dimethylphenol	<1
2,4-Dichlorophenol	<1
4-Chloro-3-methylphenol	<1
2,4,6-Trichlorophenol	<1
4-Nitrophenol	<1
2,4-Dinitrophenol	<10
2-Methyl-4,6-dinitrophenol	<5
Pentachlorophenol	<100

ANALYTICAL PARAMETERS

CC:

REMARKS:

DIRECTOR _____



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LAB NO. C914444/8

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, QAQC
COLLECTED BY: Client DATE COL'D: 12/11/91 RECEIVED: 12/12/91

SAMPLE: Water sample, Trip Blank

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1	Ethyl Benzene	ug/L	<1
Vinyl Chloride	ug/L	<1	m + p Xylene	ug/L	<2
Bromomethane	ug/L	<1	o Xylene	ug/L	<1
Chloroethane	ug/L	<1	Bromoform	ug/L	<1
Trichlorofluomethane	ug/L	<1	1122Tetrachloroethan	ug/L	<1
11 Dichloroethene	ug/L	<1	m Dichlorobenzene	ug/L	<1
Methylene Chloride	ug/L	<1	p Dichlorobenzene	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1	o Dichlorobenzene	ug/L	<1
11 Dichloroethane	ug/L	<1	Dichlorodifluomethane	ug/L*	<1
Chloroform	ug/L	<1	BisChloromethylEther	ug/L	<1
111 Trichloroethane	ug/L	<1	acrolein	ug/L	<25
Carbon Tetrachloride	ug/L	<1	acrylonitrile	ug/L	<25
Benzene	ug/L	<1			
12 Dichloroethane	ug/L	<1			
Trichloroethene	ug/L	<1			
12 Dichloropropane	ug/L	<1			
Bromodichloromethane	ug/L	<1			
2chloroethvinylether	ug/L	<1			
t 13 Dichloropropene	ug/L	<1			
Toluene	ug/L	<1			
c 13 Dichloropropene	ug/L	<1			
112 Trichloroethane	ug/L	<1			
Tetrachloroethene	ug/L	<1			
Chlorodibromomethane	ug/L	<1			
Chlorobenzene	ug/L	<1			

cc:

REMARKS: Analysis performed by EPA method 624.

*Dichlorodifluomethane = Dichlorodifluoromethane

DIRECTOR _____


377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C914463/1

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, (QAQC)
COLLECTED BY: Client DATE COL'D: 12/13/91 RECEIVED: 12/13/91

SAMPLE: Water sample, Outfall #002

ANALYTICAL PARAMETERS

Tot Organic Carbon	mg/L	3.8
Tot Suspended Solids	mg/L	51
Ammonia as N	mg/L	0.23
Color	units mg/L	15
Organic Nitrogen as N	mg/L	0.37
Tot. Kjeldahl N.	mg/L	0.6
Nitrate as N	mg/L	<0.5
Oil and Grease	mg/L	1.4

ANALYTICAL PARAMETERS



CC:

REMARKS:

DIRECTOR _____

A handwritten signature in black ink, appearing to be "C. Waxman", written over a dashed line.

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C914463/2

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, (QAQC)
COLLECTED BY: Client DATE COL'D: 12/13/91 RECEIVED: 12/13/91

SAMPLE: Water sample, Outfall #003

ANALYTICAL PARAMETERS

Antimony as Sb	mg/L	<0.005
Arsenic as As	mg/L	<0.005
Beryllium as Be	mg/L	<0.001
Cadmium as Cd	mg/L	<0.001
Chromium as Cr	mg/L	0.02
Copper as Cu	mg/L	0.06
Lead as Pb	mg/L	0.013
Mercury as Hg	mg/L	<0.00025
Nickel as Ni	mg/L	<0.10
Selenium as Se	mg/L	<0.005
Silver as Ag	mg/L	<0.02
Thallium as Tl	mg/L	<0.005
Zinc as Zn	mg/L	0.38
BOD5	mg/L	5
COD	mg/L	600
Tot Organic Carbon	mg/L	6
Tot Suspended Solids	mg/L	51
Ammonia as N	mg/L	0.17
Color	units	15
Organic Nitrogen as N	mg/L	0.83
Nitrate as N	mg/L*	<0.5
Tot. Kjeldahl N.	mg/L	1.0
Oil and Grease	mg/L	2.3
Phosphorous as P	mg/L	0.38
Sulfate as SO4	mg/L	340

ANALYTICAL PARAMETERS

Sulfide as S	mg/L	<0.1
Sulfite as SO3	mg/L	<0.4
Iron as Fe	mg/L	6.3
Magnesium as Mg	mg/L	210
Manganese as Mn	mg/L	0.10
Cyanide as CN	mg/L	<0.02
Phenols as Phenol	mg/L	0.009

cc:

REMARKS: *Nitrate value also includes nitrite.

DIRECTOR



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LAB NO. C914463/2

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, (QAQC)
COLLECTED BY: Client DATE COL'D: 12/13/91 RECEIVED: 12/13/91

SAMPLE: Water sample, Outfall #003

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	<1
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	<1
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1
Dichlordifluomethane	ug/L*	<1
BisChloromethylEther	ug/L	<1
acrolein	ug/L	<25
acrylonitrile	ug/L	<25

cc:

REMARKS: Analysis performed by EPA method 624.
*Dichlordifluomethane = Dichlorodifluoromethane

DIRECTOR _____



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LAB NO. C914463/2

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, (QAQC)
COLLECTED BY: Client DATE COL'D: 12/13/91 RECEIVED: 12/13/91

SAMPLE: Water sample, Outfall #003
UNITS: ug/L

ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS

Phenol	<1
2-Chlorophenol	<1
2-Nitrophenol	<1
2,4-Dimethylphenol	<1
2,4-Dichlorophenol	<1
4-Chloro-3-methylphenol	<1
2,4,6-Trichlorophenol	<1
4-Nitrophenol	<1
2,4-Dinitrophenol	<10
2-Methyl-4,6-dinitrophenol	<5
Pentachlorophenol	<100

CC:

REMARKS:

DIRECTOR _____



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LAB NO. C914463/2

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, (QAQC)
COLLECTED BY: Client DATE COL'D: 12/13/91 RECEIVED: 12/13/91

SAMPLE: Water sample, Outfall #003
UNITS: ug/L

ANALYTICAL PARAMETERS

N-Nitrosodimethylamine	<1
Bis(2-chloroethyl)ether	<1
13 Dichlorobenzene	<1
14 Dichlorobenzene	<1
12 Dichlorobenzene	<1
Bis(2-chloroisopropyl)ether	<1
N-Nitrosodi-n-propylamine	<1
Hexachloroethane	<1
Nitrobenzene	<1
Isophorone	<1
Bis(2-chloroethoxy)methane	<1
124-Trichlorobenzene	<1
Naphthalene	<1
Hexachlorobutadiene	<1
Hexachlorocyclopentadiene	<100
2-Chloronaphthalene	<1
Dimethyl Phthalate	<1
Acenaphthylene	<1
2,6-Dinitrotoluene	<1
Acenaphthene	<1
2,4-Dinitrotoluene	<1
Diethyl Phthalate	<1
Fluorene	<1
4-Chlorophenyl phenyl ether	<1
N-Nitrosodiphenylamine	<1

ANALYTICAL PARAMETERS

1,2-Diphenylhydrazine	<1
4-Bromophenyl phenyl ether	<1
Hexachlorobenzene	<1
Phenanthrene	<1
Anthracene	<1
Di-n-Butyl Phthalate	2
Fluoranthene	<1
Benzidine	<50
Pyrene	<1
BenzylButylPhthalate	<1
Benzo(a)anthracene	<1
3,3'-Dichlorobenzidine	<50
Chrysene	<1
Bis(2-ethylhexyl)phthalate	3
Di-n-octyl Phthalate	<1
Benzo(b)fluoranthene	<1
Benzo(k)fluoranthene	<1
Benzo(a)pyrene	<1
Indeno(1,2,3-cd)pyrene	<1
Dibenzo(a,h)anthracene	<1
Benzo(ghi)perylene	<1

cc:

REMARKS:

DIRECTOR _____



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LAB NO. C914463/3

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, (QAQC)
COLLECTED BY: Client DATE COL'D: 12/13/91 RECEIVED: 12/13/91

SAMPLE: Water sample, Field Blank

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
1,1 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
1,1 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
1,1,1 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
1,2 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	<1
1,2 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2-chloroethvinylether	ug/L	<1
t-1,3 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c-1,3 Dichloropropene	ug/L	<1
1,1,2 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	<1
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1,1,2,2-Tetrachloroethane	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1
Dichlorodifluomethane	ug/L	<1
BisChloromethylEther	ug/L	<1
acrolein	ug/L	<25
acrylonitrile	ug/L	<25

cc:

REMARKS: Analysis performed by EPA method 624.
*Dichlorodifluomethane = Dichlorodifluoromethane

DIRECTOR



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LAB NO. C914463/3

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, (QAQC)
COLLECTED BY: Client DATE COL'D: 12/13/91 RECEIVED: 12/13/91

SAMPLE: Water sample, Field Blank
UNITS: ug/L

ANALYTICAL PARAMETERS

Phenol	<1
2-Chlorophenol	<1
2-Nitrophenol	<1
2,4-Dimethylphenol	<1
2,4-Dichlorophenol	<1
4-Chloro-3-methylphenol	<1
2,4,6-Trichlorophenol	<1
4-Nitrophenol	<1
2,4-Dinitrophenol	<10
2-Methyl-4,6-dinitrophenol	<5
Pentachlorophenol	<100

ANALYTICAL PARAMETERS

CC:

REMARKS:

DIRECTOR _____



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LAB NO. C914463/3

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, (QAQC)
COLLECTED BY: Client DATE COL'D: 12/13/91 RECEIVED: 12/13/91

SAMPLE: Water sample, Field Blank
UNITS: ug/L

ANALYTICAL PARAMETERS

N-Nitrosodimethylamine	<1
Bis(2-chloroethyl)ether	<1
13 Dichlorobenzene	<1
14 Dichlorobenzene	<1
12 Dichlorobenzene	<1
Bis(2-chloroisopropyl)ether	<1
N-Nitrosodi-n-propylamine	<1
Hexachloroethane	<1
Nitrobenzene	<1
Isophorone	<1
Bis(2-chloroethoxy)methane	<1
124-Trichlorobenzene	<1
Naphthalene	<1
Hexachlorobutadiene	<1
Hexachlorocyclopentadiene	<100
2-Chloronaphthalene	<1
Dimethyl Phthalate	<1
Acenaphthylene	<1
2,6-Dinitrotoluene	<1
Acenaphthene	<1
2,4-Dinitrotoluene	<1
Diethyl Phthalate	<1
Fluorene	<1
4-Chlorophenyl phenyl ether	<1
N-Nitrosodiphenylamine	<1

ANALYTICAL PARAMETERS

1,2-Diphenylhydrazine	<1
4-Bromophenyl phenyl ether	<1
Hexachlorobenzene	<1
Phenanthrene	<1
Anthracene	<1
Di-n-Butyl Phthalate	<1
Fluoranthene	<1
Benzidine	<50
Pyrene	<1
BenzylButylPhthalate	<1
Benzo(a)anthracene	<1
3,3'-Dichlorobenzidine	<50
Chrysene	<1
Bis(2-ethylhexyl)phthalate	<1
Di-n-octyl Phthalate	<1
Benzo(b)fluoranthene	<1
Benzo(k)fluoranthene	<1
Benzo(a)pyrene	<1
Indeno(1,2,3-cd)pyrene	<1
Dibenzo(a,h)anthracene	<1
Benzo(ghi)perylene	<1

cc:

REMARKS:

DIRECTOR



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LAB NO. C914463/4

01/17/92

Long Island Lighting Co.
445 Broad Hollow Road
Melville, NY 11747

ATTN: Cathy Waxman, EnvEng

PO# 399736

SOURCE OF SAMPLE: Shoreham Nuclear Power Station, (QAQC)
COLLECTED BY: Client DATE COL'D: 12/13/91 RECEIVED: 12/13/91

SAMPLE: Water sample, Trip Blank

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Penzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	<1
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	<1
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

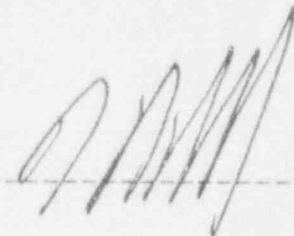
Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1
Dichlorodifluomethane	ug/L	<1
BisChloromethylEther	ug/L	<1
acrolein	ug/L	<25
acrylonitrile	ug/L	<25

cc:

REMARKS: Analysis performed by EPA method 624.

*Dichlorodifluomethane = Dichlorodifluoromethane

DIRECTOR _____



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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co
Sample Lab Number(s): C914463-2
Date Sample(s) Received: 12-13-91.
Date of Analysis: 12-20-91
Analyzed By: Ann Marie Vofsi
Method: EPA 410.4 Colorimetric
Analyte: COD

QC RESULTS



Laboratory Blank Result: 40 mg/L

Duplicate Analysis: Sample Lab No.: C914528-2
Result No. 1 5400 mg/L Result No. 2 5200 mg/L Range 200 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>ERA 9927</u>	<u>650 mg/L</u>	<u>540 - 760 mg/L</u>	<u>640 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C91490-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>300 mg/L</u>	<u>200 mg/L</u>	<u>460 mg/L</u>	<u>80%</u>

summaryqc

R.L.

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: LILCO
 Sample Lab Number(s): C914463/1-2
 Date Sample(s) Received: 12/13/91
 Date of Analysis: 12/13/91
 Analyzed By: N/C
 Method: Ion-Selective electrode EPA 350.3
 Analyte: Ammonia

QC RESULTS

Laboratory Blank Result: 0.05 mg/L ~~0.01 mg/L~~

Duplicate Analysis: Sample Lab No.: C914463/1

Result No. 1 0.23 mg/L Result No. 2 0.22 mg/L Range 0.01 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>Ricca</u> <u>Ref. 1400 mg/L</u> <u>lot # 14244</u>	<u>1.4 mg/L</u>	<u>1.4 ± 0.3</u>	<u>1.4 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914463/1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.22 mg/L</u>	<u>0.10 mg/L</u>	<u>0.30 mg/L</u>	<u>80%</u>

summaryqc
 R.L.

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: GLCO
 Sample Lab Number(s): C914463/2
 Date Sample(s) Received: 12/13/91
 Date of Analysis: 12/13/91
 Analyzed By: NC
 Method: D.O. Meter Reading EPA 405.1
 Analyte: BOD

QC RESULTS

Laboratory Blank Result: 0.1 mg/L

Duplicate Analysis: Sample Lab No.: C914463/2

Result No. 1 6 mg/L Result No. 2 5 mg/L Range 1 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
-----------------	------------	------------------	--------

<u>CEA</u>	<u>200 mg/L</u>	<u>200 ± 37 mg/L</u>	<u>182.5 mg/L</u>
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Spiked Sample Recovery: Sample Lab No.: N/A

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
-----------------	-------------------	---------------	------------

_____	_____	_____	_____
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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: LILCO
 Sample Lab Number(s): C 914463/2
 Date Sample(s) Received: 12/13/91
 Date of Analysis: 12/27/91
 Analyzed By: NC
 Method: Chloroform extraction
 Analyte: Phenol

QC RESULTS

Laboratory Blank Result: ~~NT = 100~~ < 0.001 mg/L

Duplicate Analysis: Sample Lab No.: C 914571

Result No. 1 0.045 mg/L / Result No. 2 0.052 mg/L Range ± 0.007 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
EPAPhenol WP179 Conc. 6	<u>0.036 mg/L</u>	<u>0.036 ± 0.005 mg/L</u>	<u>0.035 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C 914569

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.006 mg/L</u>	0.03 mg/L <u>0.03 mg/L</u>	<u>0.036</u> 0.032 mg/L	<u>100%</u> 95.8%

summaryqc

R.L.

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
 Sample Lab Number(s): C914 463-2
 Date Sample(s) Received: 12/13/91
 Date of Analysis: 12/23/91
 Analyzed By: TM
 Method: Graphite Furnace EPA 213.2
 Analyte: Cadmium

QC RESULTS

Laboratory Blank Result: < 0.001 mg/L

Duplicate Analysis: Sample Lab No.: EM Science - QC EM for Cadmium

Result No. 1 0.0033 mg/L Result No. 2 0.0029 mg/L Range 0.0004 mg/L

Reference Sample: EM Science Standard - Cadmium

Source & ID No.	True Value	Acceptable Range	Result
<u>Lot # 9285 / QC EM</u>	<u>0.0025 mg/L</u>	<u>0.0025 - 0.0033 mg/L</u>	<u>0.0033 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914463-2

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.0006 mg/L</u>	<u>0.001 mg/L</u>	<u>0.0016 mg/L</u>	<u>100</u>

summaryqc

R.L.

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
 Sample Lab Number(s): C 9144302
 Date Sample(s) Received: 1-13-91
 Date of Analysis: 1-22-91
 Analyzed By: [Signature]
 Method: AA - EPA 289.1
 Analyte: Zinc

QC RESULTS

Laboratory Blank Result: 0.02 mg/l

Duplicate Analysis: Sample Lab No.: C 914430-1

Result No. 1 1.05 mg/l Result No. 2 1.05 mg/l Range 0.0 mg/l

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EM 3006701</u>	<u>0.55 mg/l</u>	<u>0.518 - 0.618 mg/l</u>	<u>0.57 mg/l</u>

Spiked Sample Recovery: Sample Lab No.: C 914479-1

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.02 mg/l</u>	<u>0.4 mg/l</u>	<u>0.45 mg/l</u>	<u>107</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
 Sample Lab Number(s): C914463-2
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/30/91
 Analyzed By: J. Posanti
 Method: Graphite Furnace EPA 872.2
 Analyte: Ag

QC RESULTS

Laboratory Blank Result: ~~0 mg/L~~ < 0.001 mg/L

Duplicate Analysis: Sample Lab No.: C914444-7
 Result No. 1 < 0.001 Result No. 2 < 0.001 Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>WP790</u>	<u>0.0016 mg/L</u>	<u>0.001 - 0.002 mg/L</u>	<u>0.0014 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914444-7

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.001 mg/L</u>	<u>0.001 mg/L</u>	<u>0.0013 mg/L</u>	<u>130%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
Sample Lab Number(s): C914467-2
Date Sample(s) Received: 12/12/91
Date of Analysis: 12/18/91
Analyzed By: J. Posanti
Method: Graphite Furnace
Analyte: Sb

QC RESULTSLaboratory Blank Result: ~~0.005~~ <0.005 mg/LDuplicate Analysis: Sample Lab No.: C914451-1
Result #1 <0.005 mg/L Result #2 <0.005 mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>WP770</u>	<u>0.034 mg/L</u>	<u>0.026 - 0.04 mg/L</u>	<u>0.033 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914451-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u><0.005 mg/L</u>	<u>0.02 mg/L</u>	<u>0.02 mg/L</u>	<u>100%</u>

BP10

R.L.

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
Sample Lab Number(s): C914463-2
Date Sample(s) Received: 12-13-91
Date of Analysis: 12-23-91
Analyzed By: R.L.
Method: ICP, EPA 200.7
Analyte: Magnesium

QC RESULTS

Laboratory Blank Result: <0.05 mg/L

Duplicate Analysis: Sample Lab No.: C914432
Result No. 1 0.11 mg/L Result No. 2 0.13 mg/L Range 0.02 mg/L

Reference Sample: Environmental Resource Associates

Source & ID No.	True Value	Acceptable Range	Result:
<u>Lot# 9923</u> <u>Hard Min QC</u>	<u>5.0 mg/L</u>	<u>4.2-5.1 mg/L</u>	<u>4.5 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914432

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.11 mg/L</u>	<u>2.5 mg/L</u>	<u>3.0 mg/L</u>	<u>116</u>

summaryqc

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
 Sample Lab Number(s): C914463-2
 Date Sample(s) Received: 12-13-91
 Date of Analysis: 12-23-91
 Analyzed By: R.L.
 Method: ICP EPA 800.7
 Analyte: Beryllium

QC RESULTS

Laboratory Blank Result: <0.001 mg/L

Duplicate Analysis: Sample Lab No.: C914451-1
 Result No. 1 0.019 mg/L Result No. 2 0.017 mg/L Range 0.002 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>JM 9933 ÷ 2</u>	<u>0.19 mg/L</u>	<u>0.16-0.23 mg/L</u>	<u>0.18 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914451-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.019 mg/L</u>	<u>0.05 mg/L</u>	<u>0.071 mg/L</u>	<u>104</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: LILCO
 Sample Lab Number(s): C914463-2
 Date Sample(s) Received: 12/13/91
 Date of Analysis: 12/20/91
 Analyzed By: Tony D.
 Method: Hydride Generation EPA 70.3
 Analyte: Selenium

QC RESULTS

Laboratory Blank Result: 0.002 mg/L

Duplicate Analysis: Sample Lab No.: C 914444-1
 Result No. 1 0.0009 mg/L Result No. 2 0.0009 mg/L Range 0.0002 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>50 EM Sealer Lot # 9199</u>	<u>0.050 mg/L</u>	<u>0.037 mg/L - 0.062 mg/L</u>	<u>0.047 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C 914444-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.0009 mg/L</u>	<u>0.012 mg/L</u>	<u>0.0115 mg/L</u>	<u>96%</u>

summary:

R.L.

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Lilco
 Sample Lab Number(s): C914463-2
 Date Sample(s) Received: 12/13/91
 Date of Analysis: 12/19/91
 Analyzed By: TONY D
 Method: Hydride Generation EPA 206.3
 Analyte: ARSENIC

QC RESULTS

Laboratory Blank Result: 20.002 mg/l

Duplicate Analysis: Sample Lab No.: C914444-1
 Result No. 1 0.0005 mg/l Result No. 2 0.0007 mg/l Range 0.0002 mg/l

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>50 EM Science LOT # 9319</u>	<u>0.050 mg/l</u>	<u>0.037 mg/l - 0.050 mg/l</u>	<u>0.047 mg/l</u>

Spiked Sample Recovery: Sample Lab No.: C914444-1

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.0005 mg/l</u>	<u>0.012 mg/l</u>	<u>0.0106 mg/l</u>	<u>85%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
 Sample Lab Number(s): C914463-2
 Date Sample(s) Received: 12/13/91
 Date of Analysis: 12/14/91
 Analyzed By: TM
 Method: Cold Vapor CFA645.1
 Analyte: Mercury

QC RESULTS

Laboratory Blank Result: 20.25 ppb

Duplicate Analysis: Sample Lab No.: C 914447-8

Result No. 1 0.35 ppb Result No. 2 0.36 ppb Range 0.01 ppb

Reference Sample: RICCA Mercury Standard (1000ppm)

Source & ID No.	True Value	Acceptable Range	Res. Lt
<u>1-#49925/GC02150</u>	<u>200 ppb</u>	<u>162 - 236 ppb</u>	<u>209.0 ppb</u>

Spiked Sample Recovery: Sample Lab No.: C914450

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.00 ppb</u>	<u>3.6 ppb</u>	<u>3.40 ppb</u>	<u>113</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
 Sample Lab Number(s): 914463/2
 Date Sample(s) Received: 12-13-91
 Date of Analysis: 1 '0 91
 Analyzed By: G.S
 Method: AA Flame (FA220)
 Analyte: Cu

QC RESULTS

Laboratory Blank Result: < 0.02 mg/L

Duplicate Analysis: Sample Lab No.: 914566

Result No. 1 0.139 mg/L Result No. 2 0.140 mg/L Range 0.001 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EM</u> <u>3000901</u>	<u>0.35 mg/L</u>	<u>0.32 - 0.38 mg/L</u>	<u>0.36 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: 914568-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.11 mg/L</u>	<u>0.5 mg/L</u>	<u>0.65 mg/L</u>	<u>106</u>

summaryqc

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
Sample Lab Number(s): C914463-2
Date Sample(s) Received: 12-13-91
Date of Analysis: 12-18-91
Analyzed By: T.D.
Method: A.A. Flame EPA 252.1
Analyte: Ni

QC RESULTS

Laboratory Blank Result: <0.10 mg/L

Duplicate Analysis: Sample Lab No.: C914444-1

Result No. 1 0.15 mg/L Result No. 2 0.16 mg/L Range 0.01 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EM 9116</u>	<u>0.62 mg/L</u>	<u>0.54 - 0.69 mg/L</u>	<u>0.63 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914477-2

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u><0.10 mg/L</u>	<u>1.0 mg/L</u>	<u>0.94 mg/L</u>	<u>94</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
 Sample Lab Number(s): C914463-2
 Date Sample(s) Received: 12-13-91
 Date of Analysis: 12-18-91
 Analyzed By: G.S.
 Method: AA Flame Eff 243.1
 Analyte: Mn

QC RESULTSLaboratory Blank Result: <0.02 mg/L

Duplicate Analysis: Sample Lab No.: C914447-7
 Result No. 1 0.096 mg/L Result No. 2 0.094 mg/L Range 0.002 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EM 9019</u>	<u>0.55 mg/L</u>	<u>0.45 - 0.59 mg/L</u>	<u>0.56 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914447-7

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.096 mg/L</u>	<u>0.50 mg/L</u>	<u>0.68 mg/L</u>	<u>115</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
 Sample Lab Number(s): C914463-2
 Date Sample(s) Received: 12-13-91
 Date of Analysis: 12-19-91
 Analyzed By: G.S.
 Method: A.A. Flame C1A236.1
 Analyte: Iron

QC RESULTS

Laboratory Blank Result: < 0.05 mg/L

Duplicate Analysis: Sample Lab No.: C914480-1 TELP SPIKE
 Result No. 1 0.17 mg/L Result No. 2 0.17 mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EM 9346</u>	<u>0.45 mg/L</u>	<u>0.40 - 0.51 mg/L</u>	<u>0.45 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914480-1 TELP

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.05 mg/L</u>	<u>0.10 mg/L</u>	<u>0.17 mg/L</u>	<u>113</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
 Sample Lab Number(s): C914463-2
 Date Sample(s) Received: 12-13-91
 Date of Analysis: 12-19-91
 Analyzed By: G.S.
 Method: A.A. Flame EPA 218.1
 Analyte: Cr

QC RESULTS

Laboratory Blank Result: <0.02 mg/L

Duplicate Analysis: Sample Lab No.: C914451-2

Result No. 1 0.519 mg/L Result No. 2 0.528 mg/L Range 0.009 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EM9340</u>	<u>0.40 mg/L</u>	<u>0.308-0.478 mg/L</u>	<u>0.404 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914450-1

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.02 mg/L</u>	<u>0.40 mg/L</u>	<u>0.45 mg/L</u>	<u>107</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
 Sample Lab Number(s): C914463-2
 Date Sample(s) Received: 12-13-91
 Date of Analysis: 12-17-91
 Analyzed By: J.P.
 Method: Graphite furnace EPA 283.1
 Analyte: Thallium

QC RESULTS

Laboratory Blank Result: < 0.01 mg/L

Duplicate Analysis: Sample Lab No.: C914365-1

Result No. 1 0.010 mg/L Result No. 2 0.007 mg/L Range 0.003 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>WP 790</u>	<u>0.016 mg/L</u>	<u>0.009 - 0.021 mg/L</u>	<u>0.014 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914365-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.01 mg/L</u>	<u>0.01 mg/L</u>	<u>0.018 mg/L</u>	<u>90%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
 Sample Lab Number(s): C 914 463-2
 Date Sample(s) Received: 12/13/91
 Date of Analysis: 12/20/91
 Analyzed By: TM
 Method: Graphite Furnace EPA 239.1
 Analyte: Lead

QC RESULTSLaboratory Blank Result: 20.005 mg/L

Duplicate Analysis: Sample Lab No.: C 914 444-3
 Result No. 1 0.020 mg/L Result No. 2 0.020 mg/L Range 0 mg/L

Reference Sample: EPA Source Lead Standard (1000 ppm)

Source & ID No.	True Value	Acceptable Range	Result
<u>Lot # 9167 / QC EPA</u>	<u>0.025 mg/L</u>	<u>0.021 - 0.032 mg/L</u>	<u>0.027 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C 914 437-2

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.011 mg/L</u>	<u>0.01 mg/L</u>	<u>0.024 mg/L</u>	<u>130%</u>

summaryqc

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
Sample Lab Number(s): C 914 463-2
Date Sample(s) Received: 12-12-91
Date of Analysis: 12-17-91
Analyzed By: TM
Method: Ascorbic Acid - CPA 365.3
Analyte: Total Phosphates

QC RESULTS

Laboratory Blank Result: 0.02 mg/L

Duplicate Analysis: Sample Lab No.: C 914 463-2
Result No. 1 0.38 mg/L Result No. 2 0.37 mg/L Range 0.01 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>WFO 26-4</u>	<u>1.80 mg/L</u>	<u>1.38 - 2.13 mg/L</u>	<u>1.65 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C 914 444-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.05 mg/L</u>	<u>0.2 mg/L</u>	<u>0.23 mg/L</u>	<u>75%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: LILCO
 Sample Lab Number(s): 0914463/2
 Date Sample(s) Received: 12/13/91
 Date of Analysis: 12/18/91
 Analyzed By: CHERYL DUNMORE
 Method: EPA 375.4 Turbidimetric
 Analyte: SULFATE

QC RESULTS

Laboratory Blank Result: 0.5 mg/L

Duplicate Analysis: Sample Lab No.: 0914444/1

Result No. 1 2050 mg/L Result No. 2 2050 mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EPA 1290</u>	<u>20 mg/L</u>	<u>16.9 - 22.6 mg/L</u>	<u>20.5 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: 0914447/6

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>5 mg/L</u>	<u>10 mg/L</u>	<u>14 mg/L</u>	<u>90%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
Sample Lab Number(s): C914463 (1,2)
Date Sample(s) Received: 12-13-91
Date of Analysis: 12-18-91
Analyzed By: Christiane Vofsi
Method: Gravimetric 103-105°C EPA 160.2
Analyte: Total Suspended Solids

QC RESULTS

Laboratory Blank Result: <10 mg/L

Duplicate Analysis: Sample Lab No.: C914461-1

Result No. 1 13 mg/L Result No. 2 <10 mg/L Range ~~7 mg/L~~ 3 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
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<u>ERA 9938</u>	<u>39.4 mg/L</u>	<u>33-45 mg/L</u>	<u>36 mg/L</u>
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Spiked Sample Recovery: Sample Lab No.: N/A

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
_____	_____	_____	_____

summaryqc

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
 Sample Lab Number(s): C914463-2
 Date Sample(s) Received: 12-13-91
 Date of Analysis: 12-17-91
 Analyzed By: Ann Marie Vige
 Method: EPA 335.2 Manual Distillation followed by Automated UV
 Analyte: CN

QC RESULTS

Laboratory Blank Result: <0.02 mg/L

^{Spike}
 Duplicate Analysis: Sample Lab No.: C914451
 Result No. 1 0.11 mg/L Result No. 2 0.12 mg/L Range 0.01 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>CN 0.25 Distilled Standard</u>	<u>0.25 mg/L</u>	<u>0.16-0.29 mg/L</u>	<u>0.20 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914451

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u><0.02 mg/L</u>	<u>0.10 mg/L</u>	<u>0.11 mg/L</u>	<u>110%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
 Sample Lab Number(s): C914463(1,2)
 Date Sample(s) Received: 12-13-91
 Date of Analysis: 12-17-91
 Analyzed By: M. Nelson
 Method: EPA 353.2 Auto. Cadmium Reduction
 Analyte: Nitrate-Nitrogen

QC RESULTS

Laboratory Blank Result: <0.5 mg/L
 Duplicate Analysis: Sample Lab No.: C91444-1
 Result No. 1 <0.5 mg/L Result No. 2 <0.5 mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>WP284 #3</u>	<u>0.14 mg/L</u>	<u>0.18 - 0.10 mg/L</u>	<u>0.10 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914470-1

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.6 mg/L</u>	<u>2.0 mg/L</u>	<u>2.4 mg/L</u>	<u>90%</u>

summaryqc

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
Sample Lab Number(s): C914463-P-2
Date Sample(s) Received: 12-13-91
Date of Analysis: 12-27-91
Analyzed By: M. A. ESTEVEZ
Method: EPA 415.1
Analyte: TOTAL ORGANIC CARBON

QC RESULTS

Laboratory Blank Result: < 1 mg/L

Duplicate Analysis: Sample Lab No.: C914447-S
Result No. 1 3 mg/L Result No. 2 3 mg/L Range 0 mg/L

Reference Sample: ENVIRONMENTAL RESOURCE ASSOCIATES

Source & ID No.	True Value	Acceptable Range	Result
<u>#9927</u>	<u>25 mg/L</u>	<u>20-30 mg/L</u>	<u>26.5 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914447-6

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>4 ppm</u>	<u>20 ppm</u>	<u>21 ppm</u>	<u>85%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
 Sample Lab Number(s): C914463(1,2)
 Date Sample(s) Received: 12-13-91
 Date of Analysis: 12-27-91
 Analyzed By: M. Nelson
 Method: EPA 413.2
 Analyte: Oil and Grease

QC RESULTS

Laboratory Blank Result: <0.4 mg/L

Duplicate Analysis: Sample Lab No.: C914501-1
 Result No. 1 96 mg/L Result No. 2 109 mg/L Range 13 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>Ecotest 3-19-90</u>	<u>4.9 mg/L</u>	<u>6.37-3.43 mg/L</u>	<u>5.1 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914580-3

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>3 mg/L</u>	<u>10 mg/L</u>	<u>15 mg/L</u>	<u>120%</u>

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SUMMARY OF QUALITY CONTROL RESULT:

Client Name: Long Island Lighting Co.
 Sample Lab Number(s): C914463-1,2
 Date Sample(s) Received: 12/13/91
 Date of Analysis: 12/20/91
 Analyzed By: H.S.
 Method: E.P.A. 351.2 Block Digester followed by Distillation
 Analyte: TKN

QC RESULTS

Laboratory Blank Result: 0.1 mg/l

Duplicate Analysis: Sample Lab No.: C914495-2
 Result No. 1: 1.6 mg/l Result No. 2: 1.4 mg/l Range: 0.2 mg/l

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
TKN standard stock solution Ricca cat# 627 lot # H244	<u>5.0 mg/l</u>	<u>5.6 mg/l - 4.6 mg/l</u>	<u>5.0 mg/l</u>

Spiked Sample Recovery: Sample Lab No.: C914456-2

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>1.2 mg/l</u>	<u>4.3 mg/l</u>	<u>5.4 mg/l</u>	<u>98%</u>

summaryqc

R.L.

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Client Name: Long Island Lighting Co.			
Sample Lab Number(s): C914463/2, 3, 4			
Date Sample(s) Received: 12/13/91			
Date of Analysis: 12/23/91			
Analyzed By: J. Turcotte			
Method: 624			
Analyte: VOC			
<u>Surrogate Percent Recovery</u> <u>Volatile Organics</u>			
Sample ID	1,2 Dichloroethane-d4	Toluene-d3	Bromofluorobenzene
C914463/2	97	110	128
C914463/3	94	107	111
C914463/4	97	103	104

Analyzed By: J. Truccano

Method: GCY

Analyte: PCB

Matrix: Water / Soil

Client Name: Long Island Lighting Co.
Sample Lab Number(s): C91463/234
Date Sample(s) Received: 12/13/91
Date of Analysis: 12/23/91

Units = ug/L (water)
ug/Kg (soil)

Lab	Blank	#1	#2	Range		LDD	Value	Accept.		Result	Unspiked	Conc., SP	Spiked	#R
				Spikes	Spikes			True	Range					
Chloromethane	<1	19.5	18.7	0.8	53	10.0	D-27.3	14.4	<1		+20.0	19.5	98	
Bromomethane	<1	21.4	18.7	2.7	53	10.0	D-24.2	8.6	<1		+20.0	21.4	107	
Dichlorodifluoromethane	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vinyl Chloride	<1	19.5	18.9	0.6	53	10.0	D-25.1	13.2	<1		+20.0	19.5	98	
Chloroethane	<1	20.2	19.2	1.0	53	10.0	14.2-28.0	12.3	<1		+20.0	20.2	101	
Methylene Chloride	<1	19.1	18.6	0.5	51	10.0	D-22.1	9.7	<1		+20.0	19.1	96	
Trichlorofluoromethane	<1	19.7	18.0	1.7	51	10.0	17.7-18.1	8.6	<1		+20.0	19.7	99	
11 Dichloroethane	<1	20.1	19.6	0.5	51	10.0	D-23.4	10.0	<1		+20.0	20.1	101	
11 Dichloroethane	<1	19.4	19.2	0.2	51	10.0	5.9-15.5	9.8	<1		+20.0	19.4	97	
+12 Dichloroethane	<1	18.7	18.4	0.3	52	10.0	5.4-15.6	10.3	<1		+20.0	18.7	94	
Chloroform	<1	19.3	18.8	0.5	51	10.0	5.1-13.8	10.0	<1		+20.0	19.3	92	
12 Dichloroethane	<1	19.7	18.8	0.9	52	10.0	4.9-15.5	10.0	<1		+20.0	19.7	99	
111 Trichloroethane	<1	19.3	19.0	0.3	52	10.0	5.2-16.2	10.5	<1		+20.0	19.3	97	
Carbon Tetrachloride	<1	19.1	18.8	0.3	51	10.0	6.0-14.0	9.0	<1		+20.0	19.1	96	
Bromodichloromethane	<1	19.9	19.3	0.6	52	10.0	3.5-15.5	9.4	<1		+20.0	19.9	100	
12 Dichloropropane	<1	19.6	19.0	0.6	51	10.0	D-21.0	10.0	<1		+20.0	19.6	98	
t-13 Dichloropropane	<1	31.6	29.5	2.1	52	15.8	3.5-27.5	11.3	<1		+20.0	31.6	100	
Trichloroethylene	<1	19.3	19.5	0.2	51	10.0	7.1-15.7	9.6	<1		+20.0	19.3	97	
Chlorodibromomethane	<1	21.6	19.4	2.2	51	10.0	5.3-14.9	8.5	<1		+20.0	21.6	108	
112 Trichloroethane	<1	20.8	19.0	1.8	51	10.0	5.2-9.0	9.5	<1		+20.0	20.8	104	
C-13 Dichloropropene	<1	32.7	28.2	4.5	52	4.20	D-9.5	4.8	<1		+20.0	32.7	84	
2 Chloroethylvinylether	<1	20.7	18.4	2.3	51	10.0	D-30.5	5.4	<1		+20.0	20.7	104	
12 Dibromoethane	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bromoform	<1	20.2	19.8	0.4	52	10.0	4.5-16.4	8.3	<1		+20.0	20.2	101	
1122 Tetrachloroethane	<1	20.4	17.4	3.0	52	10.0	4.6-15.7	9.8	<1		+20.0	20.4	102	
Tetrachloroethene	<1	20.0	19.1	0.9	51	10.0	6.4-14.8	9.9	<1		+20.0	20.0	100	
Chlorobenzene	<1	19.7	21.3	1.6	51	10.0	3.7-16.0	10.2	<1		+20.0	19.7	96	
13 Dichlorobenzene	<1	19.3	12.4	6.9	75	10.0	5.4-15.6	9.6	<1		+20.0	19.3	95	
12 Dichlorobenzene	<1	18.7	9.3	9.4	75	10.0	1.5-14.0	9.9	<1		+20.0	18.7	94	
14 Dichlorobenzene	<1	19.0	12.0	7.0	52	10.0	1.5-19.0	7.5	<1		+20.0	19.0	95	
Benzene	<1	18.9	18.7	0.2	52	10.0	3.7-15.1	10.3	<1		+20.0	18.9	95	
Toluene	<1	21.2	20.5	0.7	52	10.0	5.7-16.0	13.3	<1		+20.0	21.2	106	
Ethyl Benzene	<1	19.2	21.2	2.0	75	10.0	3.2-16.2	11.4	<1		+20.0	19.2	96	
m,p Xylene	<1	19.8	21.0	1.2	75	10.0	7.1-13.8	8.5	<1		+20.0	19.8	96	
o,p Xylene	<1	39.8	42.9	3.1	75+77	20.0	14.2-27.6	16.8	<1		+40.0	39.8	100	

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
 Sample Lab Number(s): C914463/2,3,4
 Date Sample(s) Received: 12/13/91
 Date of Analysis: 12/23/91

Analyzed By: J. Turcarn
 Method: 624
 Analyte: vol
 Matrix: Water Soil

Units = ug/L (water)
 ug/Kg (soil)

	Duplicates <u>Spikes</u> Sample Lab# <u>C914463/3</u>			Reference Sample				Spiked Sample Recovery Sample Lab # <u>C914463/3</u>				
	Lab Blank	#1	#2	Range	ID#	True Value	Accept. Range	Result	Unspiked	Conc. SP	Spiked	IR
Vinyl Chloride												
Freon 113												
Methylene Chloride												
11 Dichloroethane												
12 Dichloroethane												
Chloroform												
111 Trichloroethane												
Carbon Tetrachloride												
12 Dichloroethane												
Trichloroethylene												
12 Dichloroethane												
Bromodichloromethane												
Tetrachloroethene												
Chlorodibromomethane												
Bromoform												
Acrolein	225	109	95	14	-	-	-	-	225	+100	109	109
Acrylonitrile	225	99	93	6	-	-	-	-	225	+100	99	99

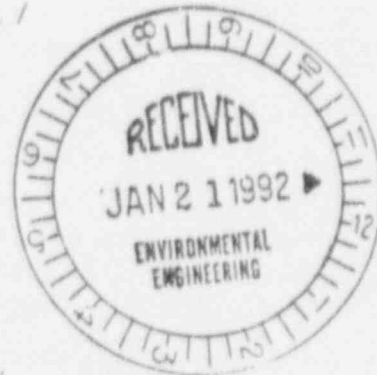
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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: LILCO
 Sample Lab Number(s): C914444/2, 444/4, 444/5, 444/6
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/14/91
 Analyzed By: NC
 Method: Chloroform Extraction EPA 420.1
 Analyte: Phenol

QC RESULTS

Laboratory Blank Result: LOCOL



Duplicate Analysis: Sample Lab No.: C914444/4

Result No. 1 LOCOL mg/L Result No. 2 LOCOL mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EPA Phenol WP 179 C914444</u>	<u>0.036</u>	<u>0.036 ± 0.105</u>	<u>0.036</u>

Spiked Sample Recovery: Sample Lab No.: C914444/2

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>LOCOL mg/L</u>	<u>0.03 mg/L</u>	<u>0.03 mg/L</u>	<u>100%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: LILCO
 Sample Lab Number(s): C 914444/7
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/27/91
 Analyzed By: NC
 Method: Chloroform extraction EPA 420.1
 Analyte: Phenol

QC RESULTS

Laboratory Blank Result: < 0.001

Duplicate Analysis: Sample Lab No.: C 914571

Result No. 1 0.045 mg/L Result No. 2 0.052 mg/L Range 0.007 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EPA Phenol WP 179 conc 6</u>	<u>0.036 mg/L</u>	<u>0.036 ± 0.005 mg/L</u>	<u>0.035 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C 914569

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.006 mg/L</u>	<u>0.03 mg/L</u>	<u>0.009 mg/L</u>	<u>100%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: LILCO
 Sample Lab Number(s): C 91444/5-6
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/13/91
 Analyzed By: N/C
 Method: Colorimetric DA 410.4
 Analyte: COD

QC RESULTSLaboratory Blank Result: 240mg/LDuplicate Analysis: Sample Lab No.: C 91444/7/8Result No. 1 240mg/L Result No. 2 240mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>Ref. ERA</u> <u>9927</u>	<u>650mg/L</u>	<u>540-760mg/L</u>	<u>600mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C 91444/7/8

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>240mg/L</u>	<u>200mg/L</u>	<u>260</u>	<u>110%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: LICO
 Sample Lab Number(s): C 91444/5-6
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/13/91
 Analyzed By: HC
 Method: meter reading EPA 405.1
 Analyte: POT

QC RESULTS

Laboratory Blank Result: 0.1 mg/L

Duplicate Analysis: Sample Lab No.: C 91444/5

Result No. 1 8.4 mg/L Result No. 2 6.6 mg/L Range 1.8 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>GGA</u>	<u>200 mg/L</u>	<u>200 ± 37 mg/L</u>	<u>187.5 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: N/A

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
_____	_____	_____	_____

summaryqc

R.L.

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Client Name: <i>Long Island Lighting Co</i>			
Sample Lab Number(s): <i>2914444/1, 3, 5, 6, 7, 8</i>			
Date Sample(s) Received: <i>12/12/91</i>			
Date of Analysis: <i>12/19/91</i>			
Analyzed By: <i>J. Turcano</i>			
Method: <i>624</i>			
Analyte: <i>VOC</i>			
<u>Surrogate Percent Recovery</u> <u>Volatile Organics</u>			
Sample ID	1,2 Dichloroethane-d4	Toluene-d3	Bromofluorobenzene
<i>2914444/1</i>	<i>99</i>	<i>108</i>	<i>115</i>
<i>2914444/3</i>	<i>98</i>	<i>103</i>	<i>110</i>
<i>2914444/5</i>	<i>95</i>	<i>108</i>	<i>128</i>
<i>2914444/6</i>	<i>94</i>	<i>107</i>	<i>114</i>
<i>2914444/7</i>	<i>98</i>	<i>103</i>	<i>104</i>
<i>2914444/8</i>	<i>93</i>	<i>100</i>	<i>121</i>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co
Sample Lab Number(s): 6914444/1,3,5,6,7,8
Date Sample(s) Received: 12/12/91
Date of Analysis: 12/19/91

Analyzed By: S. Turecans
Method: 624
Analyte: VOC
Matrix: Water Soil

Lab	Duplicate Spikes		Reference Sample		Spiked Sample Recovery		
	Blank	Spikes	True Value	Accept. Range	Result	Unspiked	Spiked
Chloromethane	18.5	19.2	10.0	D-27.3	9.9	+	18.5
Bromomethane	20.5	20.8	10.0	D-24.2	10.8	+	20.5
Dichlorodifluoromethane							
Vinyl Chloride	18.5	19.6	10.0	D-25.1	10.1	+	18.5
Chloroethane	14.2	15.0	10.0	D-23.0	7.6	+	14.2
Methylene Chloride	17.0	17.4	10.0	D-22.1	9.8	+	17.0
Trichlorofluoromethane	14.7	15.6	10.0	D-18.1	8.3	+	14.7
1,1 Dichloroethene	18.9	19.7	10.0	D-23.4	8.9	+	18.9
1,1 Dichloroethane	20.0	20.8	10.0	D-15.5	9.7	+	20.0
1,2 Dichloroethene	20.7	20.9	10.0	D-15.6	10.2	+	20.7
Chloroform	20.7	21.2	10.0	D-14.8	7.8	+	20.7
1,2 Dichloroethane	14.5	14.9	10.0	D-15.5	9.6	+	14.5
1,1,1 Trichloroethane	20.2	21.1	10.0	D-14.2	10.1	+	20.2
Carbon Tetrachloride	20.2	21.2	10.0	D-14.0	8.6	+	20.2
Bromodichloromethane	20.7	21.2	10.0	D-15.5	7.7	+	20.7
1,2 Dichloropropane	20.0	21.2	10.0	D-21.0	10.0	+	20.0
t-1,3 Dichloropropene	22.3	22.1	15.8	D-27.5	17.7	+	22.3
Trichloroethylene	23.2	23.5	10.0	D-15.7	9.6	+	23.2
Chlorodibromomethane	21.2	20.8	10.0	D-11.9	7.7	+	21.2
1,1,2 Trichloroethane	14.9	14.3	10.0	D-15.0	9.3	+	14.9
C-1,3 Dichloropropene	8.94	8.75	4.20	D-9.5	5.4	+	8.94
2 Chloroethylvinylether	14.9	18.8	10.0	D-10.5	5.8	+	14.9
1,2 Dibromoethane							
Bromoform	21.9	21.2	10.0	D-16.9	8.1	+	21.9
1,1,2,2 Tetrachloroethane	17.3	17.5	10.0	D-15.7	10.4	+	17.3
Tetrachloroethene	22.1	23.0	10.0	D-14.8	10.0	+	22.1
Chlorobenzene	22.5	23.7	10.0	D-16.0	11.7	+	22.5
1,3 Dichlorobenzene	21.5	23.5	10.0	D-15.6	12.5	+	21.5
1,2 Dichlorobenzene	23.1	21.8	10.0	D-14.0	11.5	+	23.1
1,4 Dichlorobenzene	22.7	23.3	10.0	D-19.0	10.2	+	22.7
Benzene	20.0	20.9	10.0	D-15.1	10.4	+	20.0
Toluene	22.8	23.5	10.0	D-16.0	13.2	+	22.8
Ethyl Benzene	21.5	22.9	10.0	D-16.2	12.9	+	21.5
Xylene	23.3	25.1	10.0	D-13.8	10.1	+	23.3
m+p Xylene	46.5	50.2	20.0	D-27.6	21.1	+	46.5
BP10							

BP10

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
 Sample Lab Number(s): C914444/1, 3, 5, 6, 7, 8
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/19/91

Analyzed By: J. Turcama
 Method: 624
 Analyte: VOC
 Matrix: Water Soil

Units = ug/L (water)
ug/Kg (soil)

	Duplicates Sample Lab # <u>C914444/8</u>				Reference Sample				Spiked Sample Recovery Sample Lab # <u>C914444/8</u>			
	Lab Blank	#1	#2	Range	ID#	True Value	Accept. Range	Result	Unspiked	Conc. SP	Spiked	IR
Vinyl Chloride												
Freon 113												
Methylene Chloride												
11 Dichloroethane												
12 Dichloroethane												
Chloroform												
111 Trichloroethane												
Carbon Tetrachloride												
12 Dichloroethane												
Trichloroethylene												
12 Dichloroethane												
Bromodichloromethane												
Tetrachloroethene												
Chlorodibromomethane												
Bromoform												
Acrolein	225	74	60	14	-	-	-	-	225	100	74.4	74
Acrylonitrile	225	93	83	10	-	-	-	-	225	100	92.8	93

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
 Sample Lab Number(s): C 914444-7
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/23/91
 Analyzed By: TM
 Method: Graphite Furnace EPA 239.2
 Analyte: Pb

QC RESULTS

Laboratory Blank Result: 0.005 mg/L

Duplicate Analysis: Sample Lab No.: C 914444-7

Result No. 1 0.025 mg/L Result No. 2 0.028 mg/L Range 0.002 mg/L

Reference Sample: EM Science Standard (1000 ppm)

Source & ID No.	True Value	Acceptable Range	Result
<u>lot # 9167 & QC EM</u>	<u>0.025 mg/L</u>	<u>0.021 - 0.032 mg/L</u>	<u>0.028 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C 914 427-5

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.011 mg/L</u>	<u>0.01 mg/L</u>	<u>0.024 mg/L</u>	<u>130%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
Sample Lab Number(s): C914444-1, 3
Date Sample(s) Received: 12-12-91
Date of Analysis: 12-18-91
Analyzed By: R.L.
Method: I.C.P. EPA 200.7
Analyte: Titanium

QC RESULTS

Laboratory Blank Result: < 0.1 mg/L

Duplicate Analysis: Sample Lab No.: C914444-3 spike
Result No. 1 4.5 mg/L Result No. 2 4.7 mg/L Range 0.2 mg/L

Reference Sample: Titanium Stock 1000ppm (Fisher)

Source & ID No.	True Value	Acceptable Range	Result
<u>QC 10ppm/Lot 913232-12</u>	<u>10.0 mg/L</u>	<u>9.0-11.0 mg/L</u>	<u>10.0 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914444-3

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>< 0.5 mg/L</u>	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>	<u>94</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client: Long Island Lighting Company
 Address: C 914 444-1
 Received: 12/12/91
 Date: 12/19/91
 Analyzed By: TM
 Method: Cold Vapor EPA 245.1
 Analyte: Mercury

QC RESULTS

Laboratory Blank Result: < 25 ppb

Duplicate Analysis: Sample Lab No.: C 914 447-8

Result No. 1 0.35 ppb Result No. 2 0.36 ppb Range 0.01 ppb

Reference Sample: RICCA Mercury Standard (1000 ppm)

Source & ID No.	True Value	Acceptable Range	Result
<u>Lot# 9925 / DC 0 2x50</u>	<u>200 ppb</u>	<u>162 - 236 ppb</u>	<u>209.0</u>

Spiked Sample Recovery: Sample Lab No.: C 914 450

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.00 ppb</u>	<u>3.00 ppb</u>	<u>3.40 ppb</u>	<u>113</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: LILCO
 Sample Lab Number(s): C914444-1, 3, 5, 6, 7
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/19/91
 Analyzed By: TONY D
 Method: Hydride Generation EDA 2063
 Analyte: ARSENIC

QC RESULTS

Laboratory Blank Result: 0.002 mg/l

Duplicate Analysis: Sample Lab No.: C914444-1
 Result No. 1 0.0005 mg/l Result No. 2 0.0007 mg/l Range 0.0002 mg/l

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>50 EM Arsenic lot #9319</u>	<u>0.050 mg/l</u>	<u>0.037 mg/l - 0.053 mg/l</u>	<u>0.047 mg/l</u>

Spiked Sample Recovery: Sample Lab No.: C914444-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.0005 mg/l</u>	<u>0.012 mg/l</u>	<u>0.0106 mg/l</u>	<u>85%</u>

summaryqc
 R.L.

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
Sample Lab Number(s): C914444-1, 3
Date Sample(s) Received: 12-12-91.
Date of Analysis: 12-19-91.
Analyzed By: R.L.
Method: ICP EPA 200.7
Analyte: Aluminum

QC RESULTS

Laboratory Blank Result: <0.2 mg/L

Duplicate Analysis: Sample Lab No.: C914408-3

Result No. 1 12 mg/L Result No. 2 12 mg/L Range 6 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>TM9938 ÷ 2</u>	<u>0.84 mg/L</u>	<u>0.69 - 0.99 mg/L</u>	<u>0.95 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914408-3

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>12 mg/L</u>	<u>10 mg/L</u>	<u>19 mg/L</u>	<u>75</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Lico
 Sample Lab Number(s): C 914444-1,3,5,6,7
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/20/91
 Analyzed By: T.H.S.
 Method: Hydride Generation EPA 270.3
 Analyte: Selenium

QC RESULTS

Laboratory Blank Result: 20.002 mg/l

Duplicate Analysis: Sample Lab No.: C 914444-1

Result No. 1 0.0009 mg/l Result No. 2 0.0009 mg/l Range 0.0000 mg/l

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
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<u>50 EM Reagent Lot #9199</u>	<u>0.050 mg/l</u>	<u>0.037 mg/l - 0.062 mg/l</u>	<u>0.047 mg/l</u>
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Spiked Sample Recovery: Sample Lab No.: C 914444-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
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<u>0.0009 mg/l</u>	<u>0.012 mg/l</u>	<u>0.0115 mg/l</u>	<u>96%</u>
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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
Sample Lab Number(s): C914444-1,3
Date Sample(s) Received: 12-12-91.
Date of Analysis: 12-19-91.
Analyzed By: R.L.
Method: ICP EPA 200.7
Analyte: Barium

QC RESULTS

Laboratory Blank Result: < 0.05 mg/L
Duplicate Analysis: Sample Lab No.: C914408-3
Result No. 1 1.0 mg/L Result No. 2 1.0 mg/L Range ± mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>TM 9938 ÷ 2</u>	<u>0.44 mg/L</u>	<u>0.37 - 0.53 mg/L</u>	<u>0.52 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914408-3

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>1.02 mg/L</u>	<u>0.40 mg/L</u>	<u>1.36 mg/L</u>	<u>85</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
Sample Lab Number(s): C914444-1, 3, 5, 6
Date Sample(s) Received: 12-12-91
Date of Analysis: 12-19-91
Analyzed By: R.L.
Method: ICP EPA 200.7
Analyte: Magnesium

QC RESULTS

Laboratory Blank Result: <0.05 mg/L

Duplicate Analysis: Sample Lab No.: C914444-1

Result No. 1 20 mg/L Result No. 2 20 mg/L Range ± mg/L

Reference Sample: Environmental Resource Associates

Source & ID No.	True Value	Acceptable Range	Result
<u>Hard/Min QC</u> <u>Lot # 9923</u>	<u>5.0 mg/L</u>	<u>4.2-5.1 mg/L</u>	<u>5.0 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914444-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>20 mg/L</u>	<u>2.5 mg/L</u>	<u>22.7 mg/L</u>	<u>108</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
Sample Lab Number(s): C914444-1, 3
Date Sample(s) Received: 12-12-91
Date of Analysis: 12-19-91
Analyzed By: R.L.
Method: ICP EPA 200.7
Analyte: Cobalt

QC RESULTS

Laboratory Blank Result: <0.04 mg/L

Duplicate Analysis: Sample Lab No.: C914444-1 Spike
Result No. 1 1.7 mg/L Result No. 2 1.7 mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>TM 9938 ÷ 2</u>	<u>0.42 mg/L</u>	<u>0.35-0.50 mg/L</u>	<u>0.35 mg/L</u>

Spiked Sample recovery: Sample Lab No.: C914444-1

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u><0.2 mg/L</u>	<u>2.0 mg/L</u>	<u>1.7 mg/L</u>	<u>85</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
 Sample Lab Number(s): C914444-1,3,5,6,7
 Date Sample(s) Received: 12 13 91.
 Date of Analysis: 12-19-91.
 Analyzed By: R.L.
 Method: ICP EPA 200.7
 Analyte: Beryllium

QC RESULTS

Laboratory Blank Result: <0.001 mg/L

Duplicate Analysis: Sample Lab No.: C914408-2

Result No. 1 0.008 mg/L Result No. 2 0.008 mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>TM 9938-2</u>	<u>0.19 mg/L</u>	<u>0.16-0.23 mg/L</u>	<u>0.21 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914408-2

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.008 mg/L</u>	<u>0.05 mg/L</u>	<u>0.052 mg/L</u>	<u>88</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
 Sample Lab Number(s): C914444-1,3
 Date Sample(s) Received: 12-12-91
 Date of Analysis: 12-19-91
 Analyzed By: R.L.
 Method: ICP (PFA200-7)
 Analyte: Boron

QC RESULTS

Laboratory Blank Result: <0.1 mg/L

Duplicate Analysis: Sample Lab No.: C914408-2

Result No. 1 0.82 mg/L Result No. 2 0.76 mg/L Range 0.06 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>TM9938 ÷ 2</u>	<u>0.40 mg/L</u>	<u>0.33-0.47 mg/L</u>	<u>0.40 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914408-3

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.32 mg/L</u>	<u>5.0 mg/L</u>	<u>4.9 mg/L</u>	<u>92</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
Sample Lab Number(s): C914444 ~~to~~ 1, 3, 5, 6, 7
Date Sample(s) Received: 12/12/91
Date of Analysis: 12/16/91
Analyzed By: J. Posanti
Method: Graphite Furnace EPA 272.2
Analyte: Ag

QC RESULTS

Laboratory Blank Result: 0 mg/L

Duplicate Analysis: Sample Lab No.: C914374-1

Result #1 0.0035 mg/L Result #2 0.0034 mg/L Range 0.0001 mg/L

Reference Sample:

Source & ID No. <u>WP790</u>	True Value <u>0.0018 mg/L</u>	Acceptable Range <u>0.001 - 0.0023 mg/L</u>	Result <u>0.0016 mg/L</u>
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Spiked Sample Recovery: Sample Lab No.: C914374-1

Unspiked Result <u>0.0035 mg/L</u>	Conc. Spike Added <u>0.001 mg/L</u>	Spiked Result <u>0.0047 mg/L</u>	% Recovery <u>104%</u>
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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
 Sample Lab Number(s): C914444-1, 5, 6, 7, 3 ~~4~~ CA/CA/CA
 Date Sample(s) Received: 12-12-91
 Date of Analysis: 12-18-91
 Analyzed By: J. Posanti
 Method: Graphite Furnace EPA 2042
 Analyte: 56

QC RESULTS

Laboratory Blank Result: 0 mg/L

Duplicate Analysis: Sample Lab No.: C914451-1
 Result #1 < 0.005 mg/L Result #2 < 0.005 mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>WP790</u>	<u>0.034 mg/L</u>	<u>0.026 - 0.041 mg/L</u>	<u>0.032 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914451-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>< 0.005 mg/L</u>	<u>0.02 mg/L</u>	<u>0.02 mg/L</u>	<u>100%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
 Sample Lab Number(s): C914444-7
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/20/91
 Analyzed By: J. Posanti
 Method: Graphite Furnace EPA 272.2
 Analyte: As

QC RESULTS

Laboratory Blank Result: <0.001 mg/L

Duplicate Analysis: Sample Lab No.: C914444-7
 Result No. 1 <0.001 mg/L Result No. 2 <0.001 mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>WP790</u>	<u>0.0016 mg/L</u>	<u>0.001 - 0.0021 mg/L</u>	<u>0.0014 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914444-7

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u><0.001 mg/L</u>	<u>0.001 mg/L</u>	<u>0.0013 mg/L</u>	<u>100%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
 Sample Lab Number(s): C914444 1, 3, 5, 6
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/18/91
 Analyzed By: GS
 Method: AA Flame EPA243.1
 Analyte: Mn

QC RESULTS

Laboratory Blank Result: < 0.02 mg/L

Duplicate Analysis. Sample Lab No.: C914447-7
 Result No. 1 0.09 mg/L Result No. 2 0.09 mg/L Range ± 0.00 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EM Lot # 9019</u>	<u>0.57 mg/L</u>	<u>0.451 - .588 mg/L</u>	<u>0.56 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914479-

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.49 mg/L</u>	<u>0.50 mg/L</u>	<u>0.93 mg/L</u>	<u>94</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
Sample Lab Number(s): C914444 1, 3, 5, 6, 7
Date Sample(s) Received: 12/12/91
Date of Analysis: 12/20/91
Analyzed By: BS
Method: PA Flame = PA 220.1
Analyte: Cu

QC RESULTS

Laboratory Blank Result: 0.02 mg/L

Duplicate Analysis: Sample Lab No.: C 914444-7

Result No. 1 0.231 mg/L Result No. 2 0.238 mg/L Range 0.007 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EM 3300901</u>	<u>0.35 mg/L</u>	<u>0.29 - 0.382 mg/L</u>	<u>0.359 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C 914479-

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.03 mg/L</u>	<u>0.4 mg/L</u>	<u>0.47 mg/L</u>	<u>91</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
 Sample Lab Number(s): C 71444-1, 3, 5, 6, 7
 Date Sample(s) Received: 2/12/91
 Date of Analysis: 12.26.91
 Analyzed By: J. J. Kimball
 Method: 2.4.4.1.1.1 EPA 289.1
 Analyte: ZN

QC RESULTS

Laboratory Blank Result: 0.00 mg/L
 Duplicate Analysis: Sample Lab No.: C 714430-1
 Result No. 1 1.05 mg/L Result No. 2 1.05 mg/L Range 0.00 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EM 3006701</u>	<u>0.55 mg/L</u>	<u>0.518 - 0.603 mg/L</u>	<u>0.57 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C 914-479-1

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.02 mg/L</u>	<u>0.40 mg/L</u>	<u>0.5 mg/L</u>	<u>107</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
 Sample Lab Number(s): C914444-1 & 2
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/30/91
 Analyzed By: J. Pasanti
 Method: Graphite Furnace EPA 282.2
 Analyte: Sn

QC RESULTS

Laboratory Blank Result: <0.2 mg/L

Duplicate Analysis: Sample Lab No.: C914444-B
 Result No. 1 <0.20 mg/L Result No. 2 <0.20 mg/L Range ± mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
EM Science Lot # 9031 <u>QC.2</u>	<u>0.2 mg/L</u>	<u>0.18 - 0.26 mg/L</u>	<u>0.24 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914444-B

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u><0.1 mg/L</u>	<u>0.2 mg/L</u>	<u>0.2 mg/L</u>	<u>100%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
Sample Lab Number(s): CA14444 - 1, 3, 5, 6, 7
Date Sample(s) Received: 12/12/91
Date of Analysis: 12/17/91
Analyzed By: J. Pasanti
Method: Graphite Furnace EPA 279.2
Analyte: TR

QC RESULTS

Laboratory Blank Result: ~~0.01~~ < 0.005 mg/L

Duplicate Analysis: Sample Lab No.: CA14365-1

Result #1 0.01 mg/L Result #2 0.007 mg/L Range 0.003 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>WP790</u>	<u>0.016 mg/L</u>	<u>0.009 - 0.021 mg/L</u>	<u>0.014 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: CA14365-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.01 mg/L</u>	<u>0.01 mg/L</u>	<u>0.018 mg/L</u>	<u>90%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
 Sample Lab Number(s): C914444-1 and -3
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 1/3/92
 Analyzed By: Tim
 Method: Graphite Furnace EPA 246.2
 Analyte: Molybdenum

QC RESULTS

Laboratory Blank Result: 0.05 mg/L

Duplicate Analysis: Sample Lab No.: C91444-1
 Result No. 1 0.001 mg/L Result No. 2 0.001 mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
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ERA Quality Control Standards / TM9938x4

	<u>0.106 mg/L</u>	<u>0.087 - 0.125 mg/L</u>	<u>0.12 mg/L</u>
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Spiked Sample Recovery: Sample Lab No.: C914444-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.001 mg/L</u>	<u>0.1 mg/L</u>	<u>0.090 mg/L</u>	<u>89%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
Sample Lab Number(s): C914444-3
Date Sample(s) Received: 12-12-91
Date of Analysis: 12-19-91
Analyzed By: G.S.
Method: A.A. Flame EPA 821.1
Analyte: Cr

QC RESULTS

Laboratory Blank Result: <0.02 mg/L

Duplicate Analysis: Sample Lab No.: C914451-2

Result No. 1 0.519 mg/L Result No. 2 0.528 mg/L Range 0.009 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EM 9340</u>	<u>0.40 mg/L</u>	<u>0.308-0.478 mg/L</u>	<u>0.404 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914450-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.02 mg/L</u>	<u>0.40 mg/L</u>	<u>0.45 mg/L</u>	<u>107</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
Sample Lab Number(s): C914444-1, 3, 5, 6, 7
Date Sample(s) Received: 12-12-91
Date of Analysis: 12-18-91
Analyzed By: T.D.
Method: A.A. Flame EPA 249.1
Analyte: NI

QC RESULTS

Laboratory Blank Result: < 0.10 mg/L

Duplicate Analysis: Sample Lab No.: C914444-1

Result No. 1 0.15 mg/L Result No. 2 0.16 mg/L Range 0.01 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EM 9116</u>	<u>0.62 mg/L</u>	<u>0.54 - 0.69 mg/L</u>	<u>0.63 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914477-2

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>< 0.10 mg/L</u>	<u>1.0 mg/L</u>	<u>0.94 mg/L</u>	<u>94</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting
 Sample Lab Number(s): C914444-1,3,5,6
 Date Sample(s) Received: 12-12-91
 Date of Analysis: 12-19-91
 Analyzed By: G.S.
 Method: A.A. Flame EPA 236.1
 Analyte: Iron

QC RESULTS

Laboratory Blank Result: < 0.05 mg/L

Duplicate Analysis: Sample Lab No.: C914480-1 TCLP SPIKE
 Result No. 1 0.17 mg/L Result No. 2 0.17 mg/L Range ± mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EM 9346</u>	<u>0.45 mg/L</u>	<u>0.40-0.51 mg/L</u>	<u>0.45 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914480-1 TCLP

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.05 mg/L</u>	<u>0.10 mg/L</u>	<u>0.17 mg/L</u>	<u>113</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
Sample Lab Number(s): C914444(1-7)
Date Sample(s) Received: 12/12/91
Date of Analysis: 12/17/91
Analyzed By: M. Nelson
Method: 14353.2
Analyte: Nitrate - Nitrogen

QC RESULTS

Laboratory Blank Result: <0.5 mg/L

Duplicate Analysis: Sample Lab No.: C914470-1
Result #1 0.6 mg/L Result #2 0.6 mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>WP 284 #3</u>	<u>0.14 mg/L</u>	<u>0.13 - 0.10 mg/L</u>	<u>0.11 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914470-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.6 mg/L</u>	<u>2.0 mg/L</u>	<u>2.4 mg/L</u>	<u>100%</u>

BP10

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lig
Sample Lab Number(s): C914444-15,6,7
Date Sample(s) Received: 12-12-91
Date of Analysis: 12-16-91
Analyzed By: Dora
Method: AA Flame (H2S)
Analyte: Cr

QC RESULTS

Laboratory Blank Result: 0.02 mg/L

Duplicate Analysis: Sample Lab No.: 914316-2

Result #1 0.695 mg/L Result #2 0.691 mg/L Range 0.004 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EM 9340</u>	<u>0.40 mg/L</u>	<u>0.308 - 0.478 mg/L</u>	<u>0.398 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914435

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.36 mg/L</u>	<u>0.2 mg/L</u>	<u>0.54 mg/L</u>	<u>96</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
 Sample Lab Number(s): C914 444-1 and -3
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/24/91
 Analyzed By: TKA
 Method: Graphite Furnace EPA 213.2
 Analyte: Cadmium

QC RESULTS

Laboratory Blank Result: 0.001 mg/L

Duplicate Analysis: Sample Lab No.: C914 200-3

Result No. 1 0.0021 mg/L Result No. 2 0.0025 mg/L Range 0.0007 mg/L

Reference Sample: EM Science Cadmium Standard (1000 ppm)

Source & ID No.	True Value	Acceptable Range	Result
<u>L# 945/OC EM</u>	<u>0.0025 mg/L</u>	<u>0.0025 - 0.0033 mg/L</u>	<u>0.0020 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914 444-3

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.0001 mg/L</u>	<u>0.001 mg/L</u>	<u>0.0012 mg/L</u>	<u>110%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
 Sample Lab Number(s): C914 444-5-7
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/19/91
 Analyzed By: TM
 Method: Graphite Furnace EPA 213.2
 Analyte: Cadmium

QC RESULTS

Laboratory Blank Result: 10.001 mg/L

Duplicate Analysis: Sample Lab No.: C914 436-1

Result No. 1 0.0039 mg/L Result No. 2 0.0035 mg/L Range 0.0004 mg/L

Reference Sample: EM Science Cadmium Standard

Source & ID No.	True Value	Acceptable Range	Result
<u>Lot # 9259 QCEM</u>	<u>0.0025 mg/L</u>	<u>0.0025 - 0.0033 mg/L</u>	<u>0.0027 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914 436-1

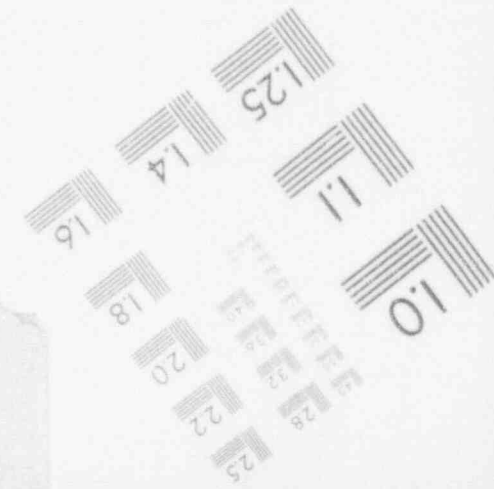
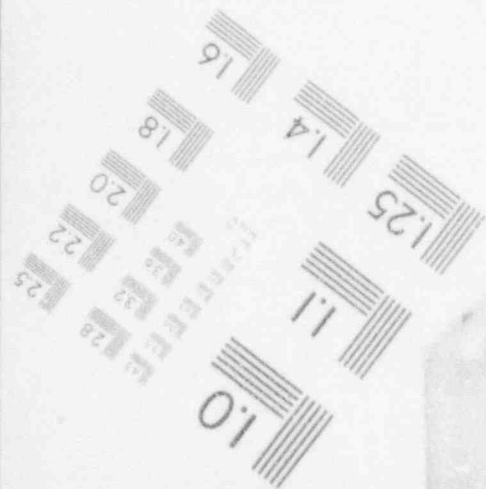
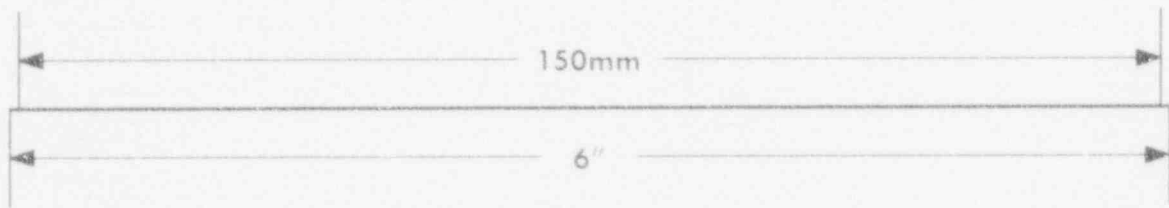
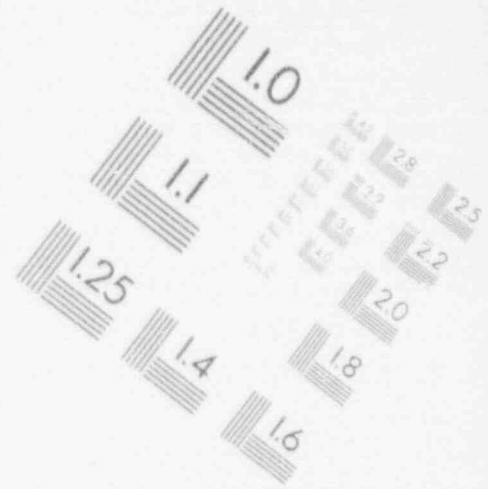
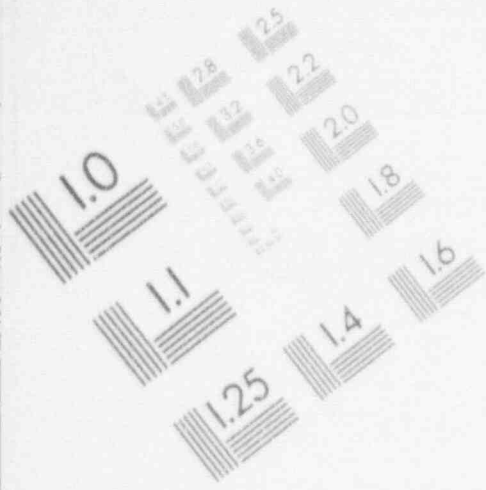
Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u>0.0039 mg/L</u>	<u>0.001 mg/L</u>	<u>0.0049 mg/L</u>	<u>100%</u>

summaryqc

R.L.

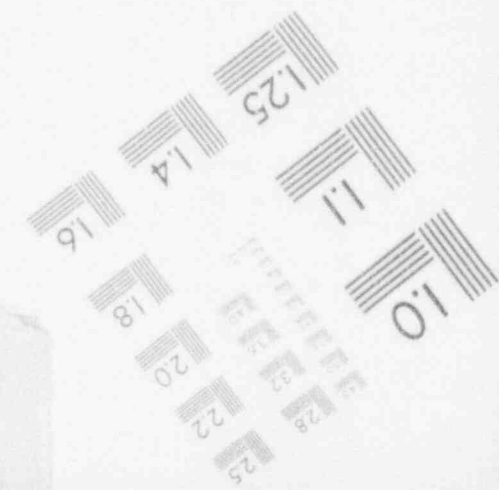
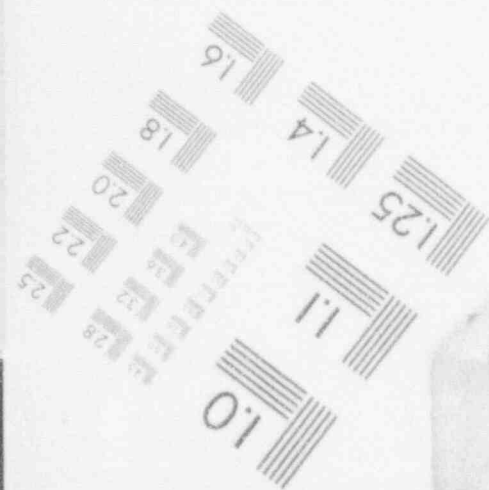
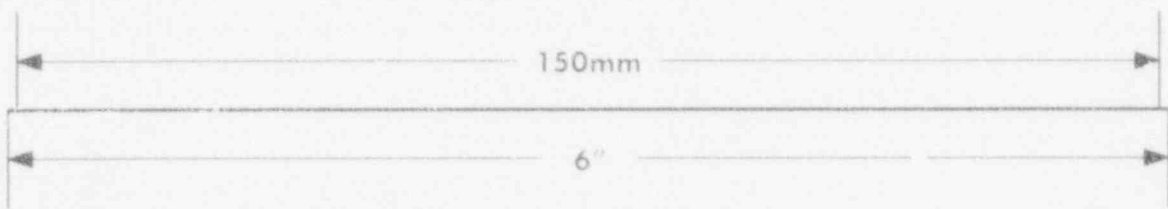
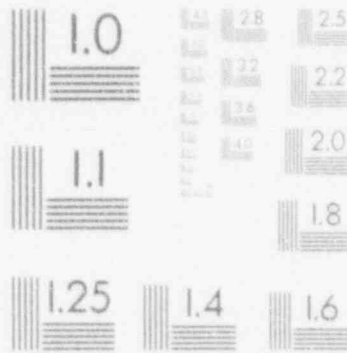
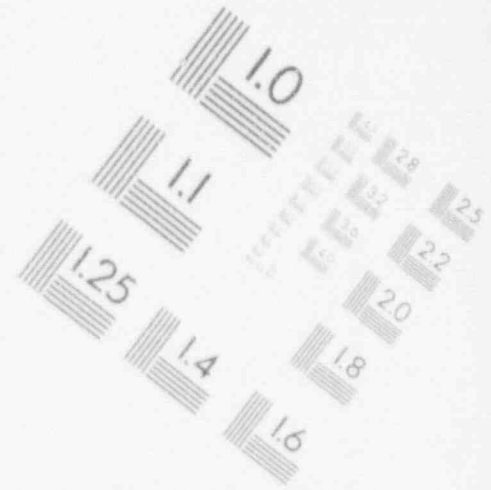
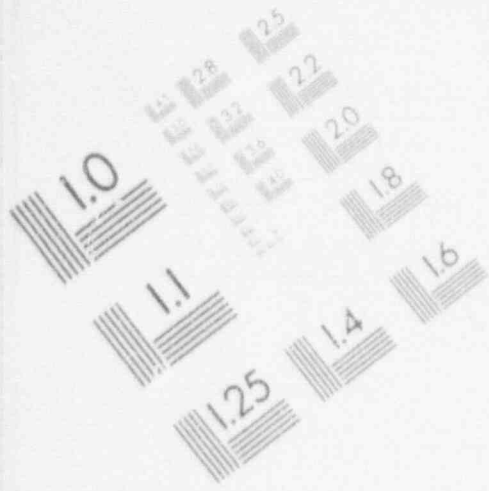
1

IMAGE EVALUATION TEST TARGET (MT-3)



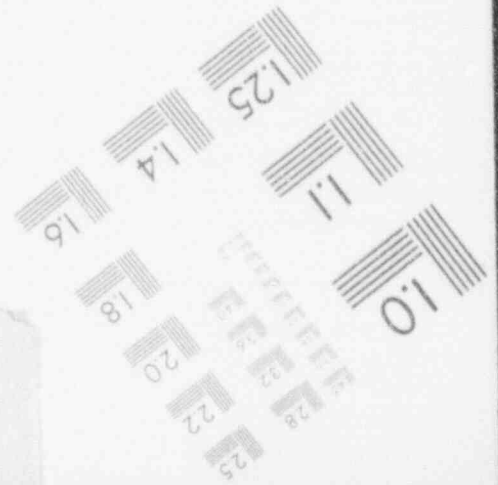
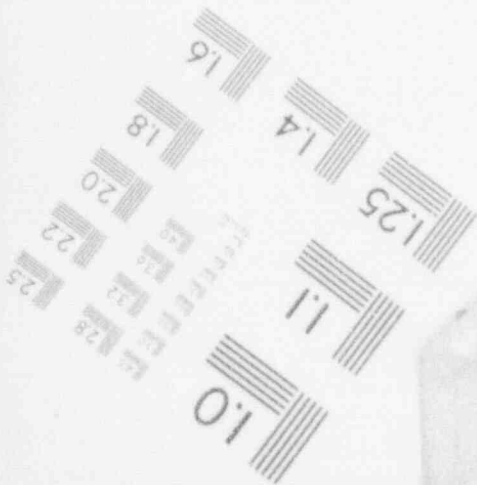
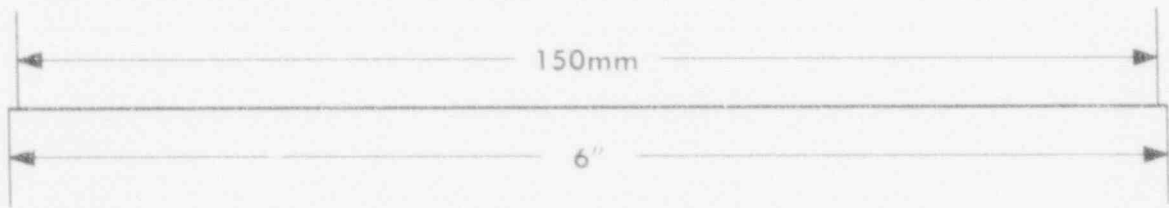
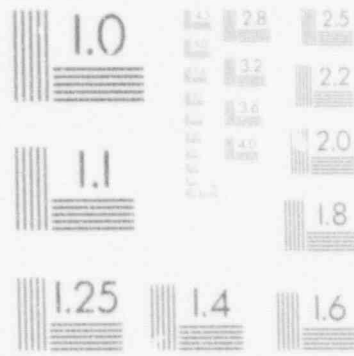
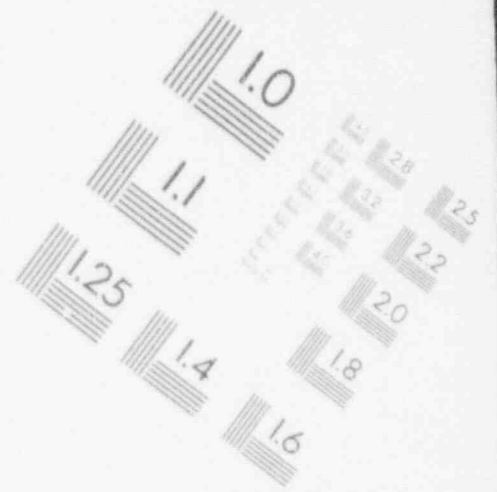
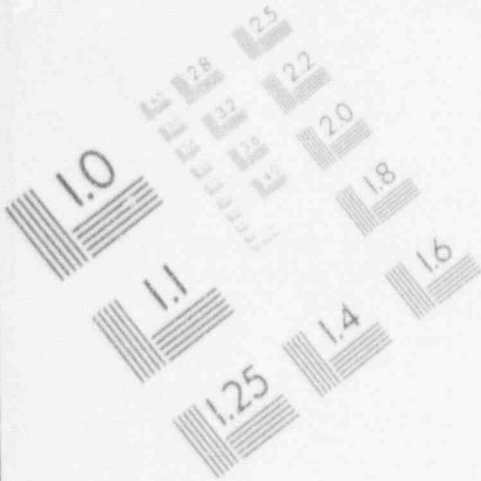
1

IMAGE EVALUATION TEST TARGET (MT-3)



1

IMAGE EVALUATION TEST TARGET (MT-3)



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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
 Sample Lab Number(s): C914 444-1, 3 5 6
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/18/91
 Analyzed By: T/M
 Method: Graphite Furnace EPA 239.2
 Analyte: Lead

QC RESULTS

Laboratory Blank Result: 0.005 mg/L

Duplicate Analysis: Sample Lab No.: C914 387

Result No. 1 0.031 mg/L Result No. 2 0.029 mg/L Range 0.002 mg/L

Reference Sample: EPA Science Lead Standard (1000 ppm)

Source & ID No.	True Value	Acceptable Range	Result
<u>Lot# 9167 / QC-EM</u>	<u>0.025 mg/L</u>	<u>0.021 - 0.032 mg/L</u>	<u>0.0255 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914 467

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.0099 mg/L</u>	<u>0.01 mg/L</u>	<u>0.0184 mg/L</u>	<u>85%</u>

summaryqc

R.L.

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: LONG ISLAND LIGHTING Co.
Sample Lab Number(s): C914444-3, 5, 6, 7
Date Sample(s) Received: 12-12-1991
Date of Analysis: 12-17-1991
Analyzed By: KS
Method: VARIAN Cold Vapor EPA 245.1
Analyte: Hg

QC RESULTS

Laboratory Blank Result: <0.00025 mg/L

Duplicate Analysis: Sample Lab No.: C914431-1
Result #1 1.0 mg/L Result #2 1.0 mg/L Range 0 mg/L

Reference Sample: Ricca Mercury Standard (1000ppm)

Source & ID No.	True Value	Acceptable Range	Result
<u>CEM 9925</u>	<u>200ppb</u>	<u>162-236ppb</u>	<u>223ppb</u>

Spiked Sample Recovery: Sample Lab No.: C914423-2

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u><0.00025 mg/L</u>	<u>3.0 mg/L</u>	<u>3.21 mg/L</u>	<u>107%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
 Sample Lab Number(s): C914444 (1, 3, 5, 6, 7)
 Date Sample(s) Received: 12-12-91
 Date of Analysis: 12-13-91
 Analyzed By: Ann Marie Cofe
 Method: G-PA 160.3 Gravimetric 103-105°C
 Analyte: Total Suspended Solids

QC RESULTS

Laboratory Blank Result: 0.0006 mg/L

Duplicate Analysis: Sample Lab No.: C914424-1
 Result No. 1 124 mg/L Result No. 2 111 mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>ERA 9938</u>	<u>39.4 mg/L</u>	<u>33-45 mg/L</u>	<u>38 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: NA

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
_____	_____	_____	_____

summaryqc

R.A.

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Lony Island Lightening Co
 Sample Lab Number(s): C914444 (2, 457)
 Date Sample(s) Received: 12-12-91
 Date of Analysis: 12-17-91
 Analyzed By: Caroline Vajda
 Method: EPA-~~335.2~~ 335.3 Automated UV following Manual Distillation
 Analyte: CN

QC RESULTS

Laboratory Blank Result: <0.02 mg/L

^{Spike}
 Duplicate Analysis: Sample Lab No.: C914451-1
 Result No. 1 0.11 mg/L Result No. 2 0.12 mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
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<u>CN 0.25 Distilled standard</u>	<u>0.25 mg/L</u>	<u>Coll: 0.29 mg/L</u>	<u>0.20 mg/L</u>
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Spiked Sample Recovery: Sample Lab No.: C914451-1

Unspiked Result	Conc: Spike Added	Spiked Result	% Recovery
<u><0.02 mg/L</u>	<u>0.10 mg/L</u>	<u>0.11 mg/L</u>	<u>110%</u>

summaryqc

R.L.

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
Sample Lab Number(s): C914444-1-325-6-7
Date Sample(s) Received: 12-12-91
Date of Analysis: 12-27-91
Analyzed By: M. A. ESTEVEZ
Method: EPA 415.1
Analyte: TOTAL ORGANIC CARBON

QC RESULTS

Laboratory Blank Result: < 1 mg/L

Duplicate Analysis: Sample Lab No.: C914444-7
Result No. 1 2 mg/L Result No. 2 2 mg/L Range 0 mg/L

Reference Sample: ENVIRONMENTAL RECORD ASSOCIATES

Source & ID No.	True Value	Acceptable Range	Result
<u>#9927</u>	<u>25 mg/L</u>	<u>20-30 mg/L</u>	<u>26.5 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914447-6

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>4 ppm</u>	<u>20 ppm</u>	<u>21 ppm</u>	<u>85%</u>

summaryqc

R.L.

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
Sample Lab Number(s): C914444 (1-8)
Date Sample(s) Received: 12-12-91
Date of Analysis: 12-19-91
Analyzed By: M Nelson
Method: EPA 413.2
Analyte: Oil and Grease

QC RESULTS

Laboratory Blank Result: <0.4 mg/L

Duplicate Analysis: Sample Lab No.: C914508-3
Result No. 1 0.4 mg/L Result No. 2 0.5 mg/L Range 0.1 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>Ecotest 3-19-90</u>	<u>4.9 mg/L</u>	<u>3.43-6.37 mg/L</u>	<u>5.3 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914444-3

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>5 mg/L</u>	<u>10 mg/L</u>	<u>15 mg/L</u>	<u>100%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
 Sample Lab Number(s): C914444-1, -3, -5, -7
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/17/91
 Analyzed By: TM
 Method: Ascorbic Acid EPA 365.3
 Analyte: Phosphates

QC RESULTS

Laboratory Blank Result: 0.02 mg/L

Duplicate Analysis: Sample Lab No.: C914463-2

Result No. 1 0.38 mg/L Result No. 2 0.37 mg/L Range 0.01 mg/L

Reference Sample: Water Pollution Study Number WP026

Source & ID No.	True Value	Acceptable Range	Result
<u>WP026-4</u>	<u>1.8 mg/L</u>	<u>1.38 - 2.13 mg/L</u>	<u>1.65 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914444-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.08 mg/L</u>	<u>0.2 mg/L</u>	<u>0.23 mg/L</u>	<u>75</u>

summaryqc

R.L.

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Co.
 Sample Lab Number(s): C914444-1, 3, 5, 6, 7
 Date Sample(s) Received: 12/12/91
 Date of Analysis: 12/19/91
 Analyzed By: H.S.
 Method: E.P.A. 351.2/351.3 Block Digester/Titrimetric
 Analyte: TKN

QC RESULTS

Laboratory Blank Result: 0.1 mg/l

Duplicate Analysis: Sample Lab No.: C914447-3
 Result No. 1 0.8 mg/l Result No. 2 0.8 mg/l Range 0 mg/l

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
TKN, stock solution Ricca standard cat # Lot # H244 627 # H244	<u>5.0 mg/l</u>	<u>5.6 mg/l - 4.6 mg/l</u>	<u>4.8 mg/l</u>

Spiked Sample Recovery: Sample Lab No.: C91444-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u><0.2 mg/l</u>	<u>4.3 mg/l</u>	<u>4.0 mg/l</u>	<u>93%</u>

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: LILCO

Sample Lab Number(s): 091444/1 - 091444/7

Date Sample(s) Received: 12/12/91

Date of Analysis: 12/18/91

Analyzed By: CHEVEL DUNNORE

Method: EPA - 875.4 Turbidimetric

Analyte: SULFATE

QC RESULTSLaboratory Blank Result: < 5 mg/LDuplicate Analysis: Sample Lab No.: 091444/1Result No. 1 2050 mg/L Result No. 2 2050 mg/L Range 0 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>EPA 1290</u>	<u>20.0 mg/L</u>	<u>16.9 - 22.6 mg/L</u>	<u>20.5 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: 091444/6

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>5 mg/L</u>	<u>10 mg/L</u>	<u>14 mg/L</u>	<u>90%</u>

summaryqc

R.L.

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SUMMARY OF QUALITY CONTROL RESULTS

Client Name: Long Island Lighting Company
Sample Lab Number(s): C914444-1, 3, 5, 6, 7
Date Sample(s) Received: 12/12/91
Date of Analysis: 12/18/91
Analyzed By: TM
Method: Ammonia Probe Method EPA ~~350.3~~
Analyte: NH₃

QC RESULTS

Laboratory Blank Result: <0.05 mg/L

Duplicate Analysis: Sample Lab No.: C914444-7

Result #1 0.080 mg/L Result #2 0.085 mg/L Range 0.005 mg/L

Reference Sample:

Source & ID No.	True Value	Acceptable Range	Result
<u>WP026-2 x 5</u>	<u>1.68 mg/L</u>	<u>1.32 - 2.04 mg/L</u>	<u>1.53 mg/L</u>

Spiked Sample Recovery: Sample Lab No.: C914444-1

Unspiked Result	Conc. Spike Added	Spiked Result	% Recovery
<u>0.18 mg/L</u>	<u>0.2 mg/L</u>	<u>0.34 mg/L</u>	<u>80</u>



INDUSTRIAL CHEMICAL SURVEY

PART I.

Please refer to attached table

PLEASE COMPLETE AND RETURN TO THE ABOVE ADDRESS, ATTENTION: INDUSTRIAL CHEMICAL SURVEY.

COMPANY NAME Long Island Lighting Company		SIC CODE (if known) 4911	OFFICE USE ONLY
COMPANY MAILING ADDRESS 445 Broadhollow Road		CITY Melville	STATE NY
PLANT NAME (if different) Shoreham Nuclear Power Station		CONTACT NAME Madison N. Milhous, P.E.	TELEPHONE Area (516) 391-6133
PLANT ADDRESS (if different) Street North Country Road		CITY Shoreham	STATE New York
PRINCIPAL BUSINESS OF PLANT Generation of Electricity		ZIP CODE 11747	ZIP CODE 11786

NOTE: (If parent company, give name and addresses of all divisions, subsidiaries, etc. located in New York State. A separate questionnaire is to be completed and submitted for each.)

**PART II
Discharge Information**

WATER	1. Does your plant discharge liquid wastes to a municipally owned sanitary sewer system? Name of System _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2. Is your facility permitted to discharge liquid wastes under a State (SPDES) or Federal (NPDES) permit? Permit Number _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	3. Do you discharge liquid wastes in any other manner? Explain _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	If any of the above are "Yes": a. Do you discharge process or chemical wastes - (i.e. water used in manufacturing including direct contact cooling water and scrubber water)? b. Do you discharge non-contact cooling water? c. Do you discharge collected storm drainage only? d. Do you discharge sanitary wastes only?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
AIR	1. Does your facility have sources of possible emissions to the atmosphere? 2. Enter Location and Facility Code as shown on your Air Pollution Control Application for Permits and Certification (if applicable)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 4 7 2 2 0 0 3 5 3 7
SOLID & CONCENTRATED LIQUID WASTES	1. List Name and Address of Firm (Including yourself) removing wastes other than office and cafeteria refuse.	Active <input type="checkbox"/> Inactive <input type="checkbox"/>
	2. List Location(s) of Landfill(s) owned and used by your facility.	
PESTICIDES	1. Does this facility: Manufacture Pesticides or Pesticide Product Ingredients? Produce Pesticides or Pesticide Product Ingredients? Formulate Pesticides? Repackage Pesticides?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2. EPA Establishment Number	_____ - _____ - _____

EXHIBIT A

INDUSTRIAL CHEMICAL SURVEY
SHOREHAM NUCLEAR POWER STATION
LISTING OF ACTIVE ITEMS
Prepared: January 1992

ENTRY	CHEMICAL NAME	STORES NUMBER	ON HAND	ANNUAL USEAGE	MATERIAL TYPE
469	FLORTONE METAL SOAP ABSORBENT	36-64-2101	4	0 EACH	ABSORBENT
340	J.T. BAKER NEUTRASORB ACID NEUTRALIZER	26-25-0101	28	12 EACH	ACID NEUTRALIZER
400	NITOMORTAR PART A & B	36-20-0136	2	0 EACH	ADHESIVE
397	ARMOR CRETE, PRECO KIT	36-20-0132	16	0 EACH	ADHESIVE
395	FOSROC NITOBOND RWC-MIX B	36-20-0128	8	8 GALLON	ADHESIVE
394	PRECO ROCKWELD C-MIX A	36-20-0127	8	8 GALLON	ADHESIVE
346	MERCULITE ADHESIVE PVC, QUART	26-53-1455	10	2 QUART	ADHESIVE
504	KENTILE ADHESIVE # 711 FOR FLOOR TILE	36-64-6026	10	15 GALLON	ADHESIVE
49	ADHESIVE KIT SMITH ISLAND/DS-8024	01-95-0508	39	0 EACH	ADHESIVE
47	ADHESIVE KIT SMITH ISLAND/DS-8014	01-95-0506	4	0 EACH	ADHESIVE
46	ADHESIVE-ASTRO BARCO BOND EPOXY/B-100AX	01-95-0502	23	16 EACH	ADHESIVE
45	SMOOTH-ON EA-40 CLEAR EPOXY ADHESIVE	01-95-0501	44	9 EACH	ADHESIVE
69	GLUE, SPRAY ADHESIVE, 3-M, 2-SPRAY	01-95-3501	1	46 EACH	ADHESIVE
70	EASYPXY UNDERWATER FIBERGLASS ADHESIVE	01-95-3606	52	0 EACH	ADHESIVE
48	ADHESIVE KIT SMITH ISLAND/DS-8069	01-95-0507	1	0 EACH	ADHESIVE
401	SILKADUR 32 HI-MOD ADHESIVE	36-20-0137	7	0 QUART	ADHESIVE
44	3M ADHESIVE EC-826, PINT/62-0826	01-95-0204	6	5 PINT	ADHESIVE
89	TUBE PROTECTOR ADHESIVE, 1/2 PINT P-2138	01-95-4061	26	25 1/2 PINT	ADHESIVE
42	3M ADHESIVE TYPE 1711/62-1711, PINT	01-95-0202	3	6 PINT	ADHESIVE
41	3M ADHESIVE TYPE 1711/62-1711, TUBE	01-95-0201	5	4 TUBE	ADHESIVE
709	DEVCOY EPOXY RESIN	68-31-3005	9	21 2.5 OZ.	ADHESIVE
692	HARRIS SAFETY SILVER 35 SOLDER	42-50-1920	1	2 5 OZ.	ADHESIVE
748	EPOXY, POLYMERIC S-16	87-22-6950	5	1 EACH	ADHESIVE
749	EPOXY, POLYMERIC S-16	87-22-6951	12	1 EACH	ADHESIVE
754	RUBBER AND GASKET ADHESIVE	87-60-0026	10	0 QUART CAN	ADHESIVE
703	PLAS-DUX ADHESIVE COMPOUND 5 LB. BAG	53-12-2010	355	0 5 LB. BAG	ADHESIVE
790	BONDING ADHESIVE (BA-2004)	NONE	1	0 5 GAL.	ADHESIVE
792	FIRESTONE SPLICE ADHESIVE	NONE	4	1 GALLON	ADHESIVE
715	OKONITE SPLICING CEMENT	69-61-1056	45	7 EACH	ADHESIVE CEMENT
61	SILICONE SEALANT RTV-102	01-95-1903	14	4 EACH	ADHESIVE SEALANT
66	SEALANT, ADHESIVE DOW CORNING RTV-732	01-95-2101	30	18 TUBE	ADHESIVE SEALANT
72	LOCTITE ADHESIVE SEALANT, GENERAL 242	01-95-4001	11	11 EACH	ADHESIVE SEALANT
478	STATIC GUARD	36-64-4745	0	3 EACH	AEROSOL SPRAY
737	DOWEX ANION RESIN/01302	87-10-2431	12	24 DRUM	ANION RESIN
742	ANION AMBERLITE RESIN IR-420 1 CU. FT.	87-10-7262	3	0 CU. FT.	ANION RESIN
745	CONOCO ANTI-FREEZE COOLANT/2110	87-20-1709	2	6 GALLON	ANTI-FREEZE
776	PRIDE WINDSHIELD WASH ANTI-FREEZE	NONE	9	2 GALLON	ANTI-FREEZE
774	NAPA ANTI-FREEZE COOLANT	NONE	2	6 GALLON	ANTI-FREEZE
805	NAPA THERMO AID	NONE	23	12 12 OZ. CAN	ANTI-FREEZE
804	GAS LINE ANTI-FREEZE	NONE	25	25 12 OZ. CAN	ANTI-FREEZE
99	ROHM & HAAS KATHON FP 1.5 BIOCID	16-92-1201	27	3 GALLON	BIOCID
511	ANHYDROUS AMMONIA, CYLINDER, ASSEMBLY	37-08-0005	3	0 EACH	BULK CHEMICAL
105	SODIUM PHOSPHATE, MONOBASIC 25LB	16-92-3020	7	1 25LB PAIL	BULK CHEMICAL
104	SODIUM PHOSPHATE, TRIBASIC	16-92-3010	5	2 25LB PAIL	BULK CHEMICAL
101	SODIUM HYDROXIDE, BULK	16-92-1913	0	20000 GALLON	BULK CHEMICAL
96	BORIC ACID, GRANULAR	16-92-0220	12	0 DRUM	BULK CHEMICAL
98	CITRIC ACID, USP GRADE 100 LB BOX	16-92-0330	1	0 100 LB	BULK CHEMICAL

INDUSTRIAL CHEMICAL SURVEY
SHOREHAM NUCLEAR POWER STATION
LISTING OF ACTIVE ITEMS
Prepared: January 1992

ENTRY	CHEMICAL NAME	STORES NUMBER	ON HAND	ANNUAL USAGE	MATERIAL TYPE
100	INHIBITOR SOLUTION, WALCO SURE COOL 1355	16-92-1510	2	1 55GAL DRUM	BULK CHEMICAL
95	BORAX, GRANULAR	16-92-0210	16	0 DRUM	BULK CHEMICAL
97	SODIUM PENTABORATE BORON-10	16-92-0230	4	0 DRUM	BULK CHEMICAL
107	SULFURIC ACID, BULK	16-92-5000	0	20000 GALLON	BULK CHEMICAL
106	SODIUM SULFITE, ANHYDROUS 12KG/BAG	16-92-4000	3	3 PAIL	BULK CHEMICAL
103	SODIUM HYPOCHLORITE (12 %)	16-92-2030	0	20000 GALLON	BULK CHEMICAL
761	GE CASTOR OIL, USP GRADE	89-97-0105	38	0 16 OZ.	BULK CHEMICAL
672	ALCOHOL, DENATURED, GALLON CAN	37-40-0020	35	10 GALLON	BULK CHEMICAL
764	P-NITROTOLUENE AND LIQUID NITROBENZENE	93-58-0045	4	4 EACH	BULK CHEMICAL
766	ALCOA ACTIVATED ALUMINA	94-46-0524	7	0 EACH	BULK CHEMICAL
689	FREON 12 REFRIGERANT	42-50-1811	7	14 EACH	BULK CHEMICAL
690	FREON R11	42-50-1812	13	14 DRUM	BULK CHEMICAL
691	FREON R-500 30 LB. CONTAINER	42-50-1813	9	7 30 LB.	BULK CHEMICAL
739	RESIN CATION AMBERLITE, 7 CUBIC FT.	87-10-7259	2	0 EACH	CATION RESIN
736	DOWEX CATION RESIN/37235	87-10-2430	0	69 DRUM	CATION RESIN
341	J.T. BAKER NEUTRACIT-2 CAUSTIC NEUTRAL.	26-25-0102	32	2 EACH	CAUSTIC NEUTRALIZER
793	MANVILLE SPM CAP CEMENT	NONE	4	1 GALLON	CEMENT
52	IPS WELD-ON P-70 PVC PRIMER CLEANER	01-95-0602	34	3 QUART	CEMENT PRIMER/CLEAN
54	IPS WELD-ON P-70 CEMENT SEALER, FAST SET	01-95-0604	20	0 PINT	CEMENT SEALER
51	IPS WELD-ON CEMENT SOLVENT	01-95-0601	22	2 QUART	CEMENT SOLVENT
816	MARKING CHALK	NONE	1	0 5 LB. PAIL	CHALK
351	BY PASS DECONTAMINATION DEGREASER	26-70-9101	0	3 EACH	CHEMICAL DEGREASER
388	MAGNAFLUX SPOTCHECK PENETRANT/SKL-HFS	34-52-0202	60	0 CAN	CHEMICAL PENETRANT
390	MAGNAFLUX ZYGLO PENETRANT/2L-22C	34-52-0205	300	0 EACH	CHEMICAL PENETRANT
425	CHASE FOAMING CLEANER-RUG CLEANER	36-64-1452	12	12 12 OZ. CAN	CLEANER
353	DYKEM HI-SPOT BLUE/107-SURFACE SCRAPING	30-04-1676	72	0 EACH	CLEANER
433	SANIFLUSH TOILET CLEANER & DEODORIZER	36-64-1460	59	131 20 OZ. CAN	CLEANER
350	VALCLENE HMC CLEANING DETERGENT HMC	26-70-9002	21	0 DRUM	CLEANER
477	JANVEY & SON LIQUID HAND SOAP	36-64-4714	104	23 GAL. BTL.	CLEANER
352	MSA CLEANER-SANITIZER 11/8599-03	26-75-1608	270	6 BOX	CLEANER
466	DISINFECTANT, PINE OIL 5 GALLON CAN	36-64-1657	11	43 5 GAL. CAN	CLEANER
373	NEW HERMES ENAMEL, BLACK ENGRAVERS	-16-5200	3	0 EACH	CLEANER
389	MAGNAFLUX SPOTCHECK CLEANER REMOVER	34-52-0203	2	64 12 OZ. CAN	CLEANER
7	ANTI-FOGGING 1/2 OZ. LIQUID	00-50-1265	50	4 1/2 OZ.	CLEANER
418	AMMONIA, CLEAR	36-64-1150	634	149 QUART	CLEANER
422	CLEANER SUPPLIES STAIN REMOVER, SBS-60	36-64-149	6	2 8.5 LB	CLEANER
365	SONICOR INSTRUMENT DRYING RINSE & CLEAN	30-10-3012	1	0 GALLON	CLEANER
440	RITE OFF CLEANER 20 OZ. CAN X 12/CASE	36-64-1467	537	27 20 OZ. CAN	CLEANER
421	3M CARPET CLEANER	36-64-1436	2	0 GALLON	CLEANER
34	SELIG SPECIAL GOSH CONTACT CLEANER	26-53-1851	13	24 QUART	CLEANER
345	H.P. MAGNETIC HEAD CLEANER DUPONT FREON	26-51-9521	0	4 EACH	CLEANER
437	CREATIVE SUPER CONCENTRATED BOWL CLEANER	36-64-1464	0	48 QUART	CLEANER
420	3M CARPET EXTRACTION CLEANER	36-64-1435	0	12 GALLON	CLEANER
349	VALCLENE DRYCLEANING SOLVENT I	26-70-9001	4	0 DRUM	CLEANER
474	RITE OF. STAINLESS STEEL CLEANER	36-64-4101	46	74 CAN	CLEANER
369	SONICOR 101 ALL PURPOSE DETERGENT	30-10-3016	5	0 GALLON	CLEANER
438	STAINEX CLEANER, 8 OZ. SQUEEZE BOTTLE	36-64-1465	48	0 8 OZ. BTL.	CLEANER

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429	HAND CLEANER, SBS 30 12 CAN/CASE	36-64-1456	0	6 EACH	CLEANER
436	SSS SCOTTY CLEANER LIQUID 5 GAL. CAN	36-64-1463	0	16 5 GAL. CAN	CLEANER
427	BABO CLEANER 21 OZ. CAN	36-64-1454	10	66 21 OZ. CAN	CLEANER
449	LESTOIL HEAVY DUTY CLEANER	36-64-1484	84	130 40 OZ.	CLEANER
460	DISINFECTANT SPRAY, AEROSOL 12/19 OZ.	36-64-1651	32	85 19 OZ. CAN	CLEANER
	8 LENS CLEANER FLUID 16 OZ. K-LENS-M	00-50-1503	1	4 16 OZ.	CLEANER
428	CHLOROX BLEACH	36-64-1455	55	162 QUART	CLEANER
363	SONICOR 302 SILVER CLEANER/302	30-10-3010	6	0 GALLON	CLEANER
439	SOILAX CLEANER 16 OZ.X12/CASE	36-64-1466	0	233 16 OZ. BOX	CLEANER
730	EG&G TYPE A DEWPOINT HYGROMETER CLEANER	73-07-5501	3	0 EACH	CLEANER
716	CLEANING KIT TAPE PATCH	70-05-3022	2	1 KIT	CLEANER
780	VANDAL MARK REMOVER	NONE	1	1 16 OZ. CAN	CLEANER
822	MULTI-PURPOSE GERMICIDAL CLEANER	NONE	21	12 710 ML	CLEANER
815	DETERGENT TABLETS	NONE	1	0 6 LB. CAN	CLEANER
775	CROWN WINDSHIELD WASHER	NONE	4	4 GALLON	CLEANER
784	CONCENTRATE WASH NO. 7	NONE	1	1 8 OZ. CAN	CLEANER
412	BELZONA CLEANER/DEGREASER	36-20-0164	16	0 1/2 LITER	CLEANER/DEGREASER
676	HOLT LLOYD CLEANER-LUBRICANT, LPS-1 LW	37-40-0060	76	66 1 OZ.	CLEANER/LUBRICANT
677	HOLT LLOYD CLEANER-LUBRICANT, LPS-2 MW	37-40-0061	38	2 11 OZ.	CLEANER/LUBRICANT
441	SHIELA SHINE CLEANER S.S. METAL POLISH	36-64-1468	0	24 QUART	CLEANER/POLISHER
480	JOHNSONS WAX STRIPPER, 5 GAL. CAN	36-64-4750	6	6 5 GAL. CAN	CLEANER/STRIPPER
708	START PC 101 PROTECTIVE CIR BOARD COAT.	68-27-0010	26	0 EACH	COATING
542	HOLT LLOYD COLD GALVANIZE, LPS, 16 OZ.	37-16-0020	0	69 16 OZ.	COATING/ADHESIVE
642	PETTIT UNEPOXY TIN FREE BLUE	37-16-4051	5	0 GALLON	COATING/PRIMER
343	CONDUCTIVE COATING/154 ACHESON ELECTRODG	26-51-1426	3	0 EACH	CONDUCTIVE COATING
516	MITANN IOMEA TF CONTACT CLEANER	37-08-0215	15	0 EACH	CONTACT CLEANER
442	SELIG SPECIAL GOSH NRC ALL PURPOSE CLEAN	36-64-1469	2	0 DRUM	CONTACT CLEANER
582	CURING AGENT FOR 37-16-2100	37-16-2101	15	0 GALLON	CURING AGENT
406	TREMCO COLOR PAK CURING AGENT	36-20-0145	20	0 EACH	CURING AGENT
360	SONICOR DE-RUSTER/201	30-10-3007	1	0 GALLON	DE-RUSTER SOLVENT
348	SYNTECH TOUCH IT UP DECONTAMINANT	26-53-1853	0	87 EACH	DECONTAMINANT
366	SONICOR SILICONE GREASE REMOVER/404	30-10-3013	3	0 GALLON	DEGREASER
362	SONICOR 301 PHOSPHORIC ACID DETERGENT	30-10-3009	9	0 GALLON	DETERGENT/CLEANER
387	MAGNAFLUX SPOTCHECK ZYGLO DEVELOPER	34-52-0201	66	4 EACH	DEVELOPER
537	OCE DEVELOPER SOLUTION 3200/3210	37-08-0916	12	0 EACH	DEVELOPER
527	DEVELOPER/3450-5R119	37-08-0904	57	0 EACH	DEVELOPER
531	KODAK EKTAPRINT DEVELOPER/100124-7K	37-08-0908	20	4 EACH	DEVELOPER
517	OCE ELECTROSTATIC DISPERSANT/2620000	37-08-0340	46	0 QUART	DISPERSANT
722	XEROX CLEAR DISPERSANT, VERSATEC	70-71-8003	2	0 EACH	DISPERSANT
526	XEROX DRY IMAGER	37-08-0903	8	0 EACH	DRY IMAGER
375	MARTRONIC STAINLESS STEEL ELECTROLYTE	30-16-5514	5	0 8 OZ.	ELECTROLYTE
376	MARTRONIC NEUTRALIZER-CLEANER	30-16-5515	2	0 8 OZ.	ELECTROLYTE
374	MARTRONIC ELECTROLYTE REFILL	30-16-5513	1	0 8 OZ.	ELECTROLYTE
378	MARTRONIC BLACK OXIDE ELECTROLYTE REFILL	30-16-5517	4	0 8 OZ.	ELECTROLYTE
377	MARTRONIC ALUMINUM ELECTROLYTE	30-16-5516	12	0 8 OZ.	ELECTROLYTE
548	GLYPTAL PAINT, QUART/1201 RED	37-16-0031	0	3 QUART	ENAMEL PAINT
608	THEMEC PAINT ENAMEL ANTIQUE BROWN	37-16-2201	20	0 GALLON	ENAMEL PAINT

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344	TWP CONDUCTIVE EPOXY ADHESIVE/HDMI 137	26-51-1427	3	0 EACH	EPOXY ADHESIVE
601	VALSPAR PAINT EPOXY PART A	37-16-2150	40	0 GALLON	EPOXY PAINT
646	EPOXY HI-BUILD ENAMEL PART A&B	37-16-5001	14	0 EACH	EPOXY PAINT
581	VALSPAR 84 SERIES EPOXY ENAMEL 84-W-7	37-16-2100	70	0 GALLON	EPOXY PRIMER
505	KOPPERS BITUMASTIC 300M EPOXY TAR	36-64-6027	14	0 KIT	EPOXY TAR ACTIVATOR
402	SIKA TOP 123/188 FIRE RETARDANT COATING	36-20-0141	6	0 CAN	FIRE RETARDANT
	4 HALTS,DOG REPELLENT 1.5 OZ. CAN	00-13-6052	0	12 CAN	FIRST AID
	2 CREOSOTE BURN WASH	00-13-6015	0	10 10/PACK	FIRST AID
540	3M FIXER AND FIX SOLUTION	37-08-0950	46	0 EACH	FIXER
416	3M TYPE 02B FIX SOLUTION	36-57-2551	0	12 QUART	FIXER SOLUTION
485	CRYSTAL CHEMICAL J-134 FLOOR FINISH	36-64-5412	89	24 5 GAL. CAN	FLOOR WAX
785	TINNING FLUX LEAD-FREE	NONE	2	1 1.7 OZ.	FLUX
814	SOLDERING PASTE	NONE	1	1 1/2 OZ.	FLUX
379	PENETONE FOAM AGENT FORMULA 64	30-27-8076	12	0 EACH	FOAMING AGENT
445	CROWN WINDOW GLASS CLEANER	36-64-1480	66	21 GALLON	GLASS CLEANER
180	MOBIL NYVAC WATER/GLYCOL FLUID/602870	12-60-0686	9	0 55 GAL DRM	GLYCOL FLUID
315	TEXACO MAR FAK NO. 3	17-64-7501	2	0 PAIL	GREASE
300	CHEVRON SR1-2/254502 35LB PAIL	17-64-4001	4	0 35LB. PAIL	GREASE
305	SHELL,ALVANIA NO. 3/71013	17-64-5002	2	0 EACH	GREASE
303	EXXON NEBULA EP-0/436050-04569 120LB	17-64-4503	1	0 120LB	GREASE
125	VALVOLINE VAL-PLEX EP GREASE NLG1#2/615	17-45-0002	28	5 EACH	GREASE
306	AEROSHELL NO. 5/70026	17-64-5003	2	0 EACH	GREASE
311	DOW CORNING MOLYKOTE NO.41	17-64-6002	1	0 5 GAL. PL	GREASE
283	MOBILUX EP 23/641050 35LB. PAIL	17-64-1058	4	0 35LB. PAIL	GREASE
312	DOW CORNING 44 HI TEMP BEARING GREASE	17-64-6003	45	0 EACH	GREASE
282	MOBILUX 2/640110 35 LB. PAIL	17-64-1057	5	0 35LB. PAIL	GREASE
290	MOBILUX EP 0/641290	17-64-1294	8	0 EACH	GREASE
309	LUBRIPLATE GR-132 GREASE	17-64-5502	1	0 EACH	GREASE
314	PENNZOIL CHA-2 GREASE 316, 35 LB PAIL	17-64-7001	6	0 EACH	GREASE
791	MOBIL LUBRICATING GREASE	NONE	90	45 14 OZ. CAN	GREASE
799	GREASE	NONE	6	2 14 OZ. CAN	GREASE
119	MOBIL DELVAC 1240/440685	17-44-0688	16	1 QUART	GREASE/LUBE OIL
116	MOBIL DELVAC 1210/440651	17-44-0658	2	2 QUART	GREASE/LUBE OIL
115	MOBIL DELVAC 1130/440529	17-44-0528	1	1 QUART	GREASE/LUBE OIL
173	MOLYLUBE,MOLYBDENUM DISULFIDE GREASE	17-60-7501	20	0 EACH	GREASE/LUBE OIL
229	MOBIL GEAR 626/610857	17-61-0858	1	0 400 LB DRM	GREASE/LUBE OIL
157	GREASE,DOW CORNING MOLYKOTE NO.33	17-53-0309	1	2 5.3 OZ.	GREASE/LUBE OIL
117	MOBIL DELVAC 1220/440669	17-44-0668	4	1 QUART	GREASE/LUBE OIL
118	MOBIL DELVAC 1230/440677	17-44-0678	11	1 QUART	GREASE/LUBE OIL
160	MOBIL VACTRA HVY MED/580407 55 GAL DRUM	17-58-0439	2	0 55 GAL DRM	GREASE/LUBE OIL
162	MOBIL DTE 797/600114 55 GAL. DRUM	17-60-0118	8	1 55 GAL DRM	GREASE/LUBE OIL
114	MOBIL DELVAC 1130/440529	17-44-0522	1	1 QUART	GREASE/LUBE OIL
693	DOW CORNING MOLYKOTE 44 GREASE	49-01-0137	6	0 EACH	GREASE/LUBRICANT
697	GE GREASE/D50H15	51-40-5066	21	0 4 OZ.	GREASE/LUBRICANT
696	GE GREASE/D50H7	51-40-5065	13	0 4 OZ.	GREASE/LUBRICANT
724	DOW CORNING OPTICAL COUPLANT/Q2-3067	71-35-2300	1	0 4 OZ. TUBE	GREASE/LUBRICANT

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731	NYE LUBRICATING OIL AND GREASE	73-50-5304	100	0 EACH	GREASE/LUE OIL
380	FILMITE EMERPAC HF, HOF HYDRAULIC OIL	30-36-1611	10	0 GALLON	HYDRAULIC OIL
773	BUTARS HYDRAULIC FLUID	NONE	9	12 12 OZ. BOT	HYDRAULIC OIL
778	GUJK BRAKE FLUID	NONE	3	2 12 OZ. CAN	HYDRAULIC OIL
91	SEALANT, HYDRAULIC, LOCTITE #69	01-96-4011	2	0 EACH	HYDRAULIC SEALANT
6	REPELLENT, TICK-1 INSECT REPELLENT	00-13-6056	178	54 CAN	INSECTICIDE
3	REPELLANT, WASP 14 OZ. CAN	00-13-6051	0	12 1.5 OZ.	INSECTICIDE
471	JOHNSON BOLT RESIDUAL-CRAWLING INSECT	36-64-2701	12	0 EACH	INSECTICIDE
470	JOHNSON BOLT AIRBORNE-FLYING INSECT	36-64-2700	60	57 EACH	INSECTICIDE
705	SANCHEM, NO-OX-ID A SPECIAL/PJC7201	59-81-6245	24	0 EACH	JOINT COMPOUND
606	VALSPAR LATEX BLOCK FILLER 5 GAL/PAIL	37-16-2165	30	0 GALLON	LATEX PAINT FILLER
666	RSC RADIATOR SEALANT T55 8 OZ.	37-38-5105	9	0 8 OZ.	LIQUID SEALANT
665	RSC RADIATOR SEALANT MED/HVY DUTY 5LB.	37-38-5104	4	0 5 LB. CAN	LIQUID SEALANT
664	RSC RADIATOR SEALANT MED/HVY DUTY 1LB.	37-38-5103	14	0 1LB. CAN	LIQUID SEALANT
663	RSC RADIATOR SEALANT LIGHT DUTY 5LB.	37-38-5102	1	0 5 LB. CAN	LIQUID SEALANT
662	RSC RADIATOR SEALANT LIGHT DUTY 1 LB.	37-38-5101	22	0 CAN	LIQUID SEALANT
668	RSC RADIATOR SEALANT T55 GALLON	37-38-5107	8	0 GALLON	LIQUID SEALANT
667	RSC RADIATOR SEALANT T55 QUART	37-38-5106	16	0 QUART	LIQUID SEALANT
212	MOBILFLUID 350/605758	17-60-5758	1	1 DRUM	LUBE OIL
164	MOBIL DTE MEDIUM/600155 55 GAL DRUM	17-60-0158	4	0 55 GAL DRM	LUBE OIL
204	MOBILGARD 445/602854	17-60-2858	1	1 GALLON	LUBE OIL
218	ANDEROL #800 SYNTHETIC ENGINE OIL	17-60-7250	4	0 EACH	LUBE OIL
163	MOBIL DTE LIGHT/600148 55 GAL. DRUM	17-60-0148	2	3 55 GAL DRM	LUBE OIL
199	MOBIL DTE 26/602011 55 GAL DRUM	17-60-2048	1	1 55 GAL DRM	LUBE OIL
222	OIL, KINNEY TYPE A 5 GAL.	17-60-7500	1	0 5 GAL	LUBE OIL
210	MOBIL SHC 634/602912	17-60-2918	0	1 GALLON	LUBE OIL
191	GG AR"IC OIL 300/601732 GALLON	17-60-1738	2	0 GALLON	LUBE OIL
203	MOBIL DTE 16/602714 55 GAL DRUM	17-60-2700	0	55 55 GAL DRM	LUBE OIL
185	MOB EX HEC SUP CYL./601237 55 GAL DRUM	17-60-1238	1	0 55 GAL DRM	LUBE OIL
184	MOB EX HEC SUP CYL./601237	17-60-1235	3	0 GAL	LUBE OIL
182	MOBILPLEX #47 400 GAL DRUM	17-60-1000	2	0 EACH	LUBE OIL
205	MOBILGARD 446/6022888 55 GAL DRUM	17-60-2859	1	0 55 GAL DRM	LUBE OIL
126	ABCO LUBE OIL REFRIGERATION/SAMPL. PANEL	15-50-0100	3	0 GALLON	LUBE OIL
165	MOBIL DTE HEAVY MEDIUM 55 GAL DRUM	17-60-0168	2	4 55 GAL DRM	LUBE OIL
237	MOBIL GEAR 636/610915	17-61-0918	1	1 GALLON	LUBE OIL
241	MOBILTAC-LL/611202 400LB DRUM	17-61-1100	7	0 400LB DRM	LUBE OIL
176	MOBIL VELOCITE 10/600684 55 GAL DRUM	17-60-0658	2	0 55 GAL DRM	LUBE OIL
221	OIL, VADJUM PUMP, KINNEY SUPER X	17-60-7499	3	15 EACH	LUBE OIL
207	MOBIL GUARD 450/602581 55 GAL DRUM	17-60-2861	7	0 55 GAL DRM	LUBE OIL
206	MOBILGARD 412/602482 55 GAL DRUM	17-60-2860	0	25 55 GAL DRM	LUBE OIL
231	MOBIL GEAR 627/610923 400 LB DRUM	17-61-0860	1	0 400LB DRM	LUBE OIL
168	MOBIL DTE BB/600221 55 GAL DRUM	17-60-0228	1	0 55 GAL DRM	LUBE OIL
232	MOBIL GEAR 629/610865	17-61-0868	2	0 GAL	LUBE OIL
234	MOBIL GEAR 632/610881 400 LB DRUM	17-61-0888	1	0 400LB DRM	LUBE OIL
166	MOBIL DTE HEAVY/600189 55 GAL DRUM	17-60-0188	3	0 55 GAL DRM	LUBE OIL
169	MOBIL VAPORTECH LIGHT OIL/600312 55 GAL.	17-60-0318	10	0 55 GAL DRM	LUBE OIL
167	MOBIL DTE EX HEAVY/600205 55 GAL DRUM	17-60-0208	1	0 55 GAL DRM	LUBE OIL

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256	III YELLOW 77 WIRE PULLING LUBRICANT #77	17-63-0015	7	0 EACH	LUBRICANT
255	FEL-PRO N-5000 NUC. GRADE, NICKEL BASE	17-63-0007	19	0 1 LB. CAN	LUBRICANT
254	FEL-PRO N-1000 NUC. GRADE, COPPER BASE	17-63-0006	10	0 1 LB. CAN	LUBRICANT
253	FEL-PRO N-1000 NUC. GRADE, COPPER BASE	17-63-0005	20	0 8 OZ. CAN	LUBRICANT
264	MOLYKOTE, DOW CORNING, G-N PASTE	17-63-2006	5	0 16 OZ.	LUBRICANT
329	CUTTING OIL WATER SOLUABLE P-5 B.BEAR	17-66-7218	1	5 CAN	LUBRICANT
326	MOBILARMA 523/667121	17-66-7128	2	0 GALLON	LUBRICANT
246	LIQUID WRENCH, ONE PINT CAN/L-104	17-62-3003	8	132 16 OZ. CAN	LUBRICANT
266	FISKE LUBRIPLATE 630	17-64-0105	4	0 GALLON	LUBRICANT
307	BEACON 325	17-64-5101	6	0 PAIL	LUBRICANT
37	LAPPING COMPOUND, 5 GRAM SYRINGE, 15	01-20-6601	10	0 5 GM.	LUBRICANT
260	GRAPHITE SUSPENDED IN ISOPROPANOL 1PT.	17-63-2002	17	2 1 PT. CAN	LUBRICANT
36	LAPPING COMPOUND, MO.302	01-20-6517	4	0 CAN	LUBRICANT
321	RIGID THREAD CUTTING OIL 1 GAL. CONTAINER	17-66-0004	2	6 GALLON	LUBRICANT
316	TEXACO CAPELLA D 55 GAL. DRUM	17-64-7502	1	2 55 GAL. DR	LUBRICANT
35	LAPPING COMPOUND, MO.2F CRYSTOLON, 32	01-20-6516	4	0 CAN	LUBRICANT
38	LAPPING LUBRICANT 1 GAL. CAN	01-20-6607	2	0 GALLON	LUBRICANT
319	TAP FREE CUTTING LUBRICANT 16 OZ. WINBRO	17-66-0002	17	170 16 OZ.	LUBRICANT
320	MONROE COOL TOOL CUT/TAP FLUID	17-66-0003	79	131 EACH	LUBRICANT
259	GRAPHITE SUSPENDED IN ISOPROPANOL 2 OZ.	17-63-2001	28	0 2 OZ. CAN	LUBRICANT
262	GRAPHITE SUSPENDED IN ISOPROPANOL 1 GAL.	17-63-2004	6	0 GALLON	LUBRICANT
261	GRAPHITE SUSPENDED IN ISOPROPANOL 1 QT.	17-63-2003	20	0 1 QT. CAN	LUBRICANT
244	LUBRICANT, MO.4. SILICONE 16 OZ. CAN	17-62-3001	121	100 16 OZ. CAN	LUBRICANT
249	NEVER-SEEZ, NUCLEAR GRADE, 8OZ. BRUSH CAN	17-63-0001	25	23 8 OZ. CAN	LUBRICANT
318	TAP FREE CUTTING LUBRICANT 8 OZ. WINBRO	17-66-0001	24	84 8 OZ.	LUBRICANT
245	LIQUID WRENCH, 15 OZ. AEROSOL CAN/L-106	17-62-3002	69	65 15 OZ. CAN	LUBRICANT
217	LUBRICANT, PS-ESA-100	17-60-7200	5	0 EACH	LUBRICANT
34	CLOVER LAPPING COMPOUNDS	01-20-6501	26	1 EACH	LUBRICANT
308	LUBRI-PLATE NO. 142 NO. 107	17-64-5501	6	0 PAIL	LUBRICANT
310	DOW CORNING, MOLYKOTE NO.2 19.4 OZ.	17-64-6001	5	0 19.4 OZ	LUBRICANT
330	SYNCOOL, CUTTING TOOL COOLANT	17-66-9001	2	0 EACH	LUBRICANT
760	LUBRICANT 5.3 OZ.	89-97-0103	13	0 5.3 OZ.	LUBRICANT
759	NEVER SEEZ THREAD LUBRICANT	89-97-0101	7	0 1 LB.	LUBRICANT
680	HOLT LLOYD LPS-2 GREASELESS LUBRICANT 216	37-40-0064	17	0 GALLON	LUBRICANT
733	DOW CORNING MOLYKOTE GREASE/55M	73-72-5037	10	0 EACH	LUBRICANT
679	HOLT LLOYD LPS-1 GREASELESS LUBRICANT 116	37-40-0063	63	0 GALLON	LUBRICANT
250	NEVER-SEEZ, NUC. GRADE 1LB CAN 12/CASE	17-63-0002	24	25 1LB CAN	LUBRICANT
755	LUBRICANT, GE, VERSILUBE 8 OZ. TUBE	87-61-0103	6	3 8 OZ.	LUBRICANT
750	VISCONORUST 1602	87-22-6952	2	0 5 GAL.	LUBRICANT
729	L&N RECORDER OIL	72-99-3550	14	0 EACH	LUBRICANT OIL
727	MOBIL OIL SHC-B	72-47-5502	50	15 GALLON	LUBRICANT OIL
368	SONICOR 414 WATER DISPLACER/414	30-10-3015	R	0 GALLON	LUBRICANT/CLEANER
806	VALVOLINE GEAR OIL	NONE	1	0 32 OZ. CAN	LUBRICATING OIL
827	RIGID THREAD CUTTING OIL	NONE	1	1 GALLON	LUBRICATING OIL
687	VIGINA METAL CLEANING DETERGENT/WD5	42-50-0425	11	5 5 GAL.	METAL CLEANER
152	THERMAL COMPOUND, GE SILICONE TYPE 120	17-53-0201	4	0 EACH	MISC. THERMAL CPD.
539	KODAK MAINTENANCE KIT FOR EKTAPRINT COPY	37-08-0920	3	0 EACH	MISCELLANEOUS

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751	GRAPHITE PRODUCT COMPOUND MOLYBDENUM	87-25-1113	0	4 EACH	MISCELLANEOUS
723	ETHYL GLYCOL THERMOSTAT	71-35-1495	5	0 EACH	MISCELLANEOUS
732	CLEAVER BROOKS MERCURY SWITCH	73-51-7001	1	0 EACH	MISCELLANEOUS
735	SWITCH, ATOMIZING AIR PRESSURE	85-50-2004	2	0 EACH	MISCELLANEOUS
704	BURNDY PENA-13 PENETROX COMPOUND	55-10-2340	174	0 EACH	MISCELLANEOUS CPD.
529	XEROX FUSER OIL 61 OZ. LIQUID	37-08-0906	13	0 61 OZ.	MISCELLANEOUS OIL
738	EPICOX EP-11 ION EXCHANGE RESIN	87-10-4900	40	20 DRUM	MIXED RESIN
124	VALVOLINE MOTOR OIL SAE 40/269	17-45-0001	139	1 QUART	OIL
825	2 CYCLE SAE30 MOTOR OIL	NONE	7	24 QUART	OIL
826	2 CYCLE ENGINE LUBRICANT	NONE	9	12 8 OZ. CAN	OIL
820	NAPA MOTOR OIL 30W	NONE	24	24 QUART	OIL
819	NAPA MOTOR OIL 10W-40	NONE	40	75 QUART	OIL
821	MOTOR OIL 10W	NONE	8	12 QUART	OIL
777	RDM VACUUM PUMP OIL	NONE	3	1 32 OZ. CAN	OIL
571	MARTEX FERROX NON-SKID PAINT, WHITE	37-16-1113	4	0 GALLON	OIL BASE PAINT
572	MARTEX FERROX NON-SKID FLOOR/DECK-RED	37-16-1114	0	2 GALLON	OIL BASE PAINT
788	TNEMEC PROTECTIVE COATING SAFETY RED	NONE	2	1 5 GAL.	PAINT
584	PAINT, MOBIL TNEMEC 37-77 CHEM-PRIME	37-16-2103	10	0 GALLON	PAINT
600	PAINT, TOP COAT, CHLORINATED RUBBER	37-16-2119	20	0 GALLON	PAINT
578	PAINT, CATALYST, KIT	37-16-2010	36	0 GALLON	PAINT
598	TNEMEC PAINT, SAFETY ORANGE 2H HI-BUILD	37-16-2117	50	0 GALLON	PAINT
596	TNEMEC PAINT AZURE BLUE 2H HI-BUILD	37-16-2115	15	0 GALLON	PAINT
576	VALSPAR 76 SERIES PRIMER, WHITE	37-16-2007	32	0 GALLON	PAINT
575	VALSPAR PAINT, SAFETY YELLOW	37-16-2004	110	0 GALLON	PAINT
592	TNEMEC GLOSS HI-BUILD SERIES 2H GREEN	37-16-2111	20	0 GALLON	PAINT
574	VALSPAR PAINT, MOBILE HIGH HEAT GRAY	37-16-2002	20	0 GALLON	PAINT
73	VALSPAR 76 SERIES PAINT, GRAY	37-16-2001	155	0 GALLON	PAINT
570	MARTEX FERROX NON-SKID FLOOR/DECK COAT	37-16-1112	23	6 EACH	PAINT
591	TNEMEC GLOSS HI-BUILD SERIES 2H WHITE	37-16-2110	25	0 GALLON	PAINT
568	MARTEX FERROX NON-SKID FLOOR/DECK WHITE	37-16-1110	0	96 GALLON	PAINT
567	MARTEX FERROX NON-SKID PAINT, YELLOW	37-16-1107	10	0 GALLON	PAINT
604	PAINT PRIMER, WHITE	37-16-2160	15	10 GALLON	PAINT
597	TNEMEC PAINT, SAFETY RED 2H HI-BUILD	37-16-2116	35	0 GALLON	PAINT
593	TNEMEC PAINT SAFETY YELLOW 2H-BUILD GLOS	37-16-2112	0	5 GALLON	PAINT
797	B&M PAINT	NONE	1	0 GALLON	PAINT
798	B&M RUST INHIBITOR WHITE PAINT	NONE	1	0 GALLON	PAINT
800	SUPER STRIPE TRAFFIC PAINT	NONE	3	2 18 OZ. CAN	PAINT
771	KRYLON SPRAY PAINT - HUNTER GREEN	NONE	60	30 16 OZ. CAN	PAINT
795	KRYLON SPRAY PAINT, BRIGHT COPPER	NONE	2	0 12 OZ. CAN	PAINT
789	TNEMEC PROTECTIVE COATING PLANT. GREEN	NONE	2	1 5 GAL	PAINT
796	NAPA EPOXY SPRAY PAINT	NONE	1	0 12 OZ. CAN	PAINT
813	MISCELLANEOUS PAINT	NONE	19	4 GALLON	PAINT
802	MISCELLANEOUS SPRAY ENAMALS	NONE	7	0 12 OZ. CAN	PAINT
565	PARAGON PAINT OIL BASE	37-16-1101	5	9 GALLON	PAINT-OIL BASE

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391	MAGNAFLUX ZYGLO PENETRANT/2L-54	34-52-0206	1	4 GALLON	PENETRANT
781	PLASTER OF PARIS	NONE	2	2 8 LB. PAIL	PLASTER
786	NOXON METAL POLISH	NONE	1	1 GALLON	POLISH
491	SPRAYER SHINE-UP 12/15 OZ./CASE	36-64-5419	29	69 15 OZ.	POLISH/CLEANER
782	B&M PRIMER/RUST INHIBITOR	NONE	3	3 13 OZ. CAN	PRIMER
803	WIC BOND SANDING LIQUID	NONE	1	0 GALLON	PRIMER
77	LOCTITE LOCOUIC PRIMER T AEROSOL/747	01-95-4006	22	2 EACH	PRIMER SEALANT
783	PLUMBER'S PUTTY	NONE	2	1 1 LB. PAIL	PUTTY
396	REDUCER TYPE-L	36-20-0129	8	0 GALLON	REDUCER
413	BELZONA RELEASE AGENT 100 GRAMS	36-20-0167	4	0 EACH	RELEASING AGENT
734	RELEASE AGENT, 5.3 OZ. TUBE	77-09-5506	19	0 5.3 OZ.	RELEASING AGENT
744	RESIN, ECODEX, POWDER 12LB./BAG	87-11-4807	33	0 BOX	RESIN
823	JET-GO BELT DRESSING	NONE	1	1 14 OZ. CAN	RUBBER TREATMENT
86	ORGANIC PRODUCTS TORQUE SEALANT 1/2 OZ.	01-95-4052	37	0 TUBE	SEALANT
62	SILICONE SEALANT RTV-106	01-95-1905	2	116 EACH	SEALANT
64	SILICONE SEALANT RTV-102	01-95-1907	30	0 EACH	SEALANT
73	LOCTITE ADHESIVE SEALANT/271	01-95-4002	30	9 EACH	SEALANT
76	LOCTITE ADHESIVE SEALANT/290	01-95-4005	10	0 EACH	SEALANT
74	LOCTITE ADHESIVE SEALANT/277	01-95-4003	12	2 EACH	SEALANT
509	GRACE DARAWELD C FIREPROOF OVERCOAT	36-64-6042	12	0 GALLON	SEALANT
228	GE SILICONE 8 OZ. TUBE	17-60-8007	36	3 8 OZ TUBE	SEALANT
65	SEALANT, ADHESIVE DOW CORNING RTV-732	01-95-2101	45	2 EACH	SEALANT
59	SILICONE RUBBER RTV108 SEALANT	01-95-1901	17	73 EACH	SEALANT
67	CARTRIDGE, SILICONE CLEAR 10.3 OZ.	01-95-2103	0	7 EACH	SEALANT
414	PIPE DOPE REACTOR SEAL #5	36-20-0300	0	7 EACH	SEALANT
88	SEALANT, THERMOPLASTIC, KINSEAL	01-95-4056	0	32 EACH	SEALANT
87	GRAFOIL THREAD SEALANT TAPE/G6255	01-95-4055	36	0 EACH	SEALANT
85	ORGANIC PRODUCTS TORQUE SEALANT 1/2 OZ.	01-95-4051	25	0 TUBE	SEALANT
84	LOCTITE RETAINING COMPOUND/680	01-95-4025	6	0 EACH	SEALANT
405	TREMCO DYMERIC BASE & CURING AGENT	36-20-0144	18	0 CAN	SEALANT
82	LOCTITE GASKET ELIMINATOR SEALANT/510	01-95-4014	15	1 EACH	SEALANT
63	SILICONE SEALANT RTV-162	01-95-1906	1	47 EACH	SEALANT
83	LOCTITE GASKET ELIMINATOR SEALANT/515	01-95-4015	2	5 EACH	SEALANT
713	DRAVO DUCT SEAL SEALANT	68-40-2001	55	72 EACH	SEALANT
801	STA LOK PIPE JOINT SEALANT	NONE	1	0 8 OZ.	SEALANT
812	FIRESTONE CAP SEALANT	NONE	25	12 11 OZ. CAN	SEALANT
60	SILICONE SEALANT RTV-102	01-95-1902	52	59 EACH	SEALANT ADHESIVE
817	DRIVEWAY CRACK SEALER	NONE	1	0 GALLON	SEALER
811	CONCRETE SEALER/FINISHER	NONE	6	2 GALLON	SEALER
810	RUST-OLEUM WOOD SAVER	NONE	4	0 QUART	SEALER
809	UGC TILE GROUT	NONE	1	1 QUART	SEALER
770	SEALANT PRIMER QUART	98-60-0027	3	0 QUART	SEALER/PRIMER
225	INSULGREASE G-622 SILICONE GE, COMPOUND	17-60-8002	1	6 EACH	SILICONE COMPOUND
226	DOW CORNING 550 SILICONE FLUID 5 GAL.	17-60-8005	6	0 5 GAL	SILICONE FLUID
794	DENATURED ALCOHOL	NONE	2	0 GALLON	SOLVENT
1	REDUCER TYPE L	36-20-0129	8	0 GALLON	SOLVENT
81	LOCTITE SAFETY SOLVENT AEROSOL/755	01-95-4013	0	2 EACH	SOLVENT

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682	GC RELAY-KLEEN,AEROSOL/10-B682	37-40-0101	90	5 EACH	SOLVENT
669	ACETONE, ELECTRONIC GRADE 1 GALLON	37-40-0002	1	1 GALLON	SOLVENT
367	SONICOR ELECTRONIC SOLVENT #408/408	30-10-3014	7	0 GALLON	SOLVENT
779	RUST-OLEUM RUST REMOVER	NONE	7	6 16 OZ. CAN	SOLVENT
77C	DISTILLED WATER	NONE	30	20 GALLON	SOLVENT
681	DRY KLEEN GC SOLVENT MIXTURE/10-B669	37-40-0100	31	7 EACH	SOLVENT
787	ZIP STRIP STAIN REMOVER	NONE	2	1 GALLON	SOLVENT
342	J.T. BAKER SOLUSORB SOLVENT ABSORBENT	26-25-0103	45	0 EACH	SOLVENT ABSORBENT
684	HOLT LLOYD LPS DRY CLEANER TYPE 20 OZ.	37-40-0103	41	113 20 OZ.	SOLVENT CLEANER
717	TEXWIPE TX-109 FREON TP-35/TX-109	70-05-3030	39	22 EACH	SOLVENT CLEANER
364	SONICOR SOLVENT DEGREASER #401/401	30-10-3011	3	1 GALLON	SOLVENT DEGREASER
685	HOLT LLOYD LPS DRY CLEANER 1 GAL. LPS	37-40-0106	26	11 GALLON	SOLVENT/CLEANER
683	HOLT LLOYD LPS-416 ELECT. CONTACT	37-40-0102	12	56 EACH	SOLVENT/CLEANER
546	BORDEN SPRAY PAINT, BLUE/1901,1902	37-16-0025	30	4 CAN	SPRAY PAINT
545	BORDEN SPRAY PAINT, YELLOW/1801,1802	37-16-0023	0	3 CAN	SPRAY PAINT
544	KRYLON SPRAY PAINT, SILVER	37-16-0022	8	0 12 OZ.	SPRAY PAINT
543	BORDEN SPRAY PAINT WHITE/1501	37-16-0021	6	18 EACH	SPRAY PAINT
808	NAPA STARTING FLUID	NONE	2	0 11 OZ. CAN	STARTING FLUID
807	MASTER ENGINE STARTING FLUID	NONE	4	3 11 OZ. CAN	STARTING FLUID
768	THERMO-LAG 330-1 SUBLIMING COMPOUND	98-60-0009	28	0 EACH	SUBLIMING COMPOUND
451	COMPOUND, TITLE & TERRAZZO FORMULA	36-64-1499	4	0 100LB. DR.	SWEEEPING COMPOUND
358	PERMATEX LAYOUT FLUID PRUSSIAN BLUE/35V	30-04-1690	70	0 EACH	THINNER
650	KEELER & LONG 4093 EPOXY THINNER	37-16-5005	34	2 EACH	THINNER
579	VALSPAR THINNER 5 GALLON 7154R	37-16-2025	125	0 GALLON	THINNER
506	KOPPERS THINNER 2000	36-64-6028	20	0 GALLON CAN	THINNER
355	DYKEM LAYOUT FLUID REMOVER/THINNER 13P	30-04-1678	28	0 QUART CAN	THINNER
359	CHESTERON BLUE LAYOUT FLUID/371	30-04-1691	47	0 EACH	THINNER
248	VARSOL TYPE 1 PAINT THINNER/CLEANER	17-62-3005	4	0 55 GAL DRM	THINNER/CLEANER
361	SONICOR CARBON & RUST STRIPPER #205/205	30-10-3008	44	0 QUART	THINNER/STRIPPER
371	SONICOR CARBON & RUST STRIPPER #205/205	30-10-3018	7	0 40 LB BOX	THINNER/STRIPPER
630	CARBOLINE THINNER	37-16-4017	5	0 GALLON	THINNER
519	TYPE D TONER P.C. 329437	37-08-0751	24	0 EACH	TONER
686	PANAFAX TONER 7 OZ.	37-45-6002	4	0 7 OZ. BTL	TONER
721	XEROX TONER PREMIX	70-71-8002	4	0 EACH	TONER
520	OCE TONER SOLUTION CAT. NO. 2690015	37-08-0752	11	28 EACH	TONER
518	RICHFAX MRP TONER	37-08-0342	72	0 EACH	TONER
530	KODAK K-TONER EXTAPRINT CS-B	37-08-0907	0	27 EACH	TONER
521	PANASONIC PAN TONER	37-08-0810	30	0 EACH	TONER
522	SAVIN 5020 TONER/DEVELOPER	37-08-0811	39	0 BOTTLE	TONER/DEVELOPER
523	SAVIN 5020 TONER/DEVELOPER	37-08-0812	10	0 BOTTLE	TONER/DEVELOPER
143	TRANSMISSION FLUID, DEXTRON II PENNZOIL	17-52-0101	12	7 QUART	TRANSMISSION FLUID
818	WIRE PULLING LUBRICANT	NONE	1	1 5 GAL	WATER SOL LUBRICANT
824	TURTLE WAX CAR WAX	NONE	1	1 18 OZ. CAN	WAX
501	JOHNSONS COMPLETE 1 GALLON DR/14650	36-64-5429	78	0 GALLON CAN	WAX
496	RED LIQUID WINECRETE WAX 5 GAL. CAN	36-64-5424	0	1 5 GAL. CAN	WAX CLEANER
444	HALBRO PLEXIGLASS WINDOW CLEANER	36-64-1479	24	0 GALLON	WINDOW CLEANER

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381	REED MINERAL BLACK BEAUTY ABRASIVE	30-72-0314	0	0 100 LB BAG	ABRASIVE
398	PRECO ARMOR-CRETE, MIX A	36-20-0133	0	0 QUART	ADHESIVE
25	EPOLUX CADALAG 336	01-20-2605	0	0 EACH	ADHESIVE
29	CARBOLINE PYROPRIME 772/07-0115-0	01-20-2609	0	0 EACH	ADHESIVE
30	EPOLUX CADABONS #427	01-20-2614	0	0 EACH	ADHESIVE
31	EPOLUX CADALDM 540	01-20-2615	0	0 EACH	ADHESIVE
335	LOCTITE QUICK SET ADHESIVE 404/465	24-07-3105	0	0 EACH	ADHESIVE
32	EPOLUX CADASEAL 780B	01-20-2616	0	0 EACH	ADHESIVE
71	EASYPOLY UNDERWATER ADHESIVE K-230	01-95-3607	0	0 EACH	ADHESIVE
43	3M ADHESIVE EC-826, TUBE/62-0826	01-95-0203	0	0 EACH	ADHESIVE
33	EPOLUX CADASEAL 745	01-20-2617	0	0 EACH	ADHESIVE
20	CADASEAL #725	01-20-2600	0	0 EACH	ADHESIVE
26	EPOLUX CADOPRENE #400	01-20-2606	0	0 EACH	ADHESIVE
22	EPOLUX CADASEAL # 700	01-20-2602	0	0 EACH	ADHESIVE
28	AGM TACTOO GPA-72	01-20-2608	0	0 EACH	ADHESIVE
24	CARBOLINE PYROCRETE 104	01-20-2604	0	0 EACH	ADHESIVE
23	CARBOLINE PYROCRETE 201	01-20-2603	0	0 EACH	ADHESIVE
27	GAC ADHESIVE 77-198	01-20-2607	0	0 EACH	ADHESIVE
21	EPOLUX CADALAR 600 SERIES	01-20-2601	0	0 EACH	ADHESIVE
50	ADHESIVE KIT SMITH ISLAND/DS-7014	01-95-0510	0	0 EACH	ADHESIVE
757	GE RTV 9811 SILICONE RUBBER	87-61-0106	0	0 EACH	ADHESIVE
756	GE RTV 60 SILICONE RUBBER	87-61-0105	0	0 EACH	ADHESIVE
392	CARBOLINE PYROCRETE 241	36-16-0016	0	0 EACH	ADHESIVE CEMENT
702	PLAS-DUX ADHESIVE COMPOUND 1 LB. BAG	53-12-2005	0	0 1 LB. BAG	ADHESIVE COMPOUND
39	AMERON AMERPLATE 19Y ADHESIVE PRIMER	01-95-0101	0	0 EACH	ADHESIVE PRIMER
57	LOCTITE ADHESIVE SEALANT 242	01-95-1890	0	0 EACH	ADHESIVE SEALANT
660	LOCTITE ADHESIVE SEALANT 240	37-38-5001	0	0 EACH	ADHESIVE SEALANT
740	AMBERLITE ANION RESIN IR-420-7 CU. FT.	87-10-7260	0	0 EACH	ANION RESIN
92	CITRIC ACID	16-05-2000	0	0 EACH	BULK CHEMICAL
102	SODIUM HYDROXIDE, BULK	16-92-2010	0	0 GALLON	BULK CHEMICAL
417	UREA FOR ICE MELTING NON-SALT 80LB BAG	36-57-3001	0	0 80 LB. BAG	BULK CHEMICAL
765	DUPONT P-NITROTOLUENE, TECH GRADE	93-58-0080	0	0 EACH	BULK CHEMICAL
675	BENZENE, 55 GALLON	37-40-0050	0	0 55 GAL.	BULK CHEMICAL
674	BENZENE, 1 GALLON	37-40-0049	0	0 EACH	BULK CHEMICAL
671	ALCOHOL, DENATURED, METHANOL ELECTRONIC	37-40-0019	0	0 GALLON	BULK CHEMICAL
688	FREON 22	42-50-1810	0	0 EACH	BULK CHEMICAL
710	METHYLENE CHLORIDE/55590	68-31-3006	0	0 EACH	BULK CHEMICAL
629	CARBOLINE CARBOGLAS, 1678 PART A, 1600	37-16-4015	0	0 EACH	CATALYST
743	DOWEX MONOSPHERE TG CATION RESIN	87-10-7263	0	0 EACH	CATION RESIN
714	THERMON HEAT TRANSFER CEMENT GRADE T-3	69-58-3222	0	0 EACH	CEMENT ADHESIVE
53	IPS WELD-ON 711 PVC CEMENT SEALER/MEDIUM	01-95-0603	0	0 PINT	CEMENT SEALER
55	IPS WELD-ON 717 PVC CEMENT SOLVENT	01-95-0605	0	0 PINT	CEMENT SOLVENT
94	NALCO SOLUTION S0771	16-37-8092	0	0 EACH	CHEMICAL INDICATOR
93	NALCO SOLUTION S0770 2 OZ.	16-37-8091	0	0 EACH	CHEMICAL INDICATOR
452	WIZARD-BID-O-WICK DEODORANT	36-64-1620	0	0 EACH	CLEANER
463	CREATIVE SUPER CONCENTRATED BOWL CLEANER	36-64-1654	0	0 EACH	CLEANER
448	BLUE GLASS CLEANER W/SPRAY	36-64-1483	0	0 GALLON	CLEANER

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426	BORO-GUARD CLEANER	36-64-1453	0	0 EACH	CLEANER
510	CLEANER-INDUSTRIAL-LAB 5 GAL. PAIL	37-04-0505	0	0 5 GAL. CAN	CLEANER
467	CREATIVE SUPER CONCENTRATE BOWL CLEANER	36-64-1658	0	0 EACH	CLEANER
432	SUPPLIES CLEANER SBS-60	36-64-1459	0	0 EACH	CLEANER
	9 LENS CLEANER SPRAY PUMP K-LENS-M	00-50-1504	0	0 EACH	CLEANER
434	SSS SCOTTY CLEANER LIQUID 55 GAL DRUM	36-64-1461	0	0 55 GAL. DR	CLEANER
453	JOHNSON'S ENVY AEROSOL	36-64-1622	0	0 EACH	CLEANER
419	AMMONIA, CLOUDY	36-64-1151	0	0 EACH	CLEANER
424	AFTA CLEANER	36-64-1451	0	0 EACH	CLEANER
465	SANI-MIST DISINFECTANT 5 GAL. CAN	36-64-1656	0	0 5 GAL. CAN	CLEANER
423	AJAX CLEANER	36-64-1450	0	0 EACH	CLEANER
454	COE-64 DEODORANT, 2 OZ.	336-64-163	0	0 EACH	CLEANER
464	MICROFICANT OPIOIDES DISINFECTANT	36-64-1655	0	0 EACH	CLEANER
435	SSS SCOTTY CLEANER LIQUID 55 GAL. DRUM	36-64-1462	0	0 55 GAL. DR	CLEANER
476	SOAP, HAND, BORAXO	36-64-4713	0	0 EACH	CLEANER
431	HAND CLEANER, SBS-30 4 GAL./CASE	36-64-1458	0	0 GALLON	CLEANER
468	FLORTONE WATER WHITE TERRAZO	36-64-2100	0	0 EACH	CLEANER
447	BLUE GLASS CLEANER, GALLON W/O SPRAY	36-64-1482	0	0 GALLON	CLEANER
430	HAND CLEANER, SBWS-30 4 GAL./CASE	36-64-1457	0	0 GALLON	CLEANER
457	BIG O DEODORANT	36-64-1626	0	0 EACH	CLEANER
475	BORAXO HAND CLEANER 5LB BOX	36-64-4709	0	0 EACH	CLEANER
459	SB S-52 CLEANER-DISINFECTANT-SANITIZER	36-64-1650	0	0 EACH	CLEANER
455	BOWL HANGE ^o DEODORANT	36-64-1624	0	0 EACH	CLEANER
456	SSS UNITAB SCREENS DEODORANT 12/4 OZ.	36-64-1625	0	0 4 OZ.	CLEANER
458	SSS UNITAB SCREEN DEODORANT URINAL 12/4	36-64-1627	0	0 4 OZ.	CLEANER
339	WILKINS LENS CLEANER	26-15-1102	0	0 16 OZ.	CLEANER/ANTI-FOG
338	WILKINS ANTI-FOG LIQUID FOR LENSES	26-15-1101	0	0 16 OZ.	CLEANER/ANTI-FOG
461	MINOTONE DISINFECTANT GALLON CAN	36-64-1652	0	0 GALLON	CLEANER/DISINFECTANT
462	MINOTONE DISINFECTANT, 5 GAL. CAN	36-64-1653	0	0 5 GAL. CAN	CLEANER/DISINFECTANT
678	HOLT LLOYD CLEANER-LUBRICANT LPS-3 HD	37-40-0062	0	0 11 OZ.	CLEANER/LUBRICANT
481	JOHNSONS FLOOR BARE 5 GAL. CAN	36-64-4751	0	0 EACH	CLEANER/STRIPPER
482	JOHNSONS STEP OFF STRIPPER 5 GAL. CAN	36-64-4752	0	0 EACH	CLEANER/STRIPPER
479	JOHNSONS SNAPBACK LIQUID	36-64-4746	0	0 EACH	CLEANER/STRIPPER
489	JOHNSONS STEP OFF STRIPPER 5 GAL. CAN	36-64-5416	0	0 5 GAL.	CLEANER/STRIPPER
673	ALCOHOL, DENATURED, METHANOL ELECTRONIC	37-40-0021	0	0 EACH	CLEANING SOLVENT
550	GLYPTAL CLEAR INSULATING VARNISH/1202	37-16-0034	0	0 EACH	CLEAR VARNISH
661	3M SCOTCHKOTE ELECTRICAL COATING	37-38-5002	0	0 EACH	COATING
639	CARBOLINE SANITILE PC BASE COAT/L120306	37-16-4028	0	0 EACH	COATING
643	PETTIT PAINT VINYL RED UNDERCOAT/6644	37-16-4060	0	0 EACH	COATING
627	CARBOLINE P. YTOK FINISH 135 A&B	37-16-4011	0	0 EACH	COATING
626	CARBOLINE POLYTOK DECK COATING 131 PARTA	37-16-4010	0	0 EACH	COATING
625	CARBOLINE 1340 CLEAR, PARTS A&B	37-16-4009	0	0 EACH	COATING
657	AMERON AMERCOAT FINISH CURE	37-16-5104	0	0 EACH	CURING AGENT
399	HORNCURE 30 CURING AGENT	36-20-0134	0	0 5 GAL. PAIL	CURING AGENT
	90 TREMCO DYMERIC CURING AGENT	01-95-4080	0	0 EACH	CURING AGENT
656	AMERON AMERCOAT 56C PRIMER CURE	37-16-5103	0	0 EACH	CURING AGENT
403	MASTER BUILDERS MB-429 CURING COMPOUND	36-20-0142	0	0 GALLON	CURING COMPOUND

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370	SONICOR PHOSPHORIC ACID DETERGENT #301	30-10-3017	0	0 30 GAL.	DR DETERGENT
528	HUNT PREMIUM STAR 97 DEVELOPER/864603	37-08-0905	0	0 EACH	DEVELOPER
532	STAR DEVELOPER, 30/36 FOR XEROX 600/840	37-08-0911	0	0 EACH	DEVELOPER
538	HUNT PREMIUM STAR-12 DEVELOPER	37-08-0917	0	0 EACH	DEVELOPER
536	3M BRAND CD-5 DEVELOPER	37-08-0915	0	0 EACH	DEVELOPER
659	HUNT PREMIUM STAR 12 DEVELOPER	37-38-0917	0	0 EACH	DEVELOPER
386	MAGNAFLUX DEVELOPER/SKD-NF2P-98	34-44-5003	0	0 EACH	DEVELOPER
450	DISINFECTANT INDUSTRIAL CLEANER 5 GAL.	36-64-1485	0	0 5 GAL.	CAN DISINFECTANT CLEANER
547	GLYPTAL AEROSOL COATING/1201A	37-16-0029	0	0 GALLON	ENAMEL PAINT
549	GLYPTAL PAINT, PINT/1201 RED	37-16-0032	0	0 PINT	ENAMEL PAINT
637	CARBOLINE SANITILE ILT TROWELL PT B	37-16-4026	0	0 EACH	EPOXY
636	CARBOLINE SANITILE ILT TROWELL PT A	37-16-4025	0	0 EACH	EPOXY
393	SMITH-INLAND COMPOUND, EPOXY/FIBERGLASS	36-20-0100	0	0 EACH	EPOXY ADHESIVE
415	SMOOTH ON ADHESIVE EA 40 CLEAR EPOXY	36-30-0001	0	0 EACH	EPOXY ADHESIVE
602	VALSPAR PAINT EPOXY PART B	37-16-2151	0	0 GALLON	EPOXY PAINT
603	VALSPAR PAINT EPOXY SURFACER PAIL A&B	37-16-2152	0	0 EACH	EPOXY PAINT
641	DEXTER EPOXY PATCH KIT 907 HARDENER	37-16-4049	0	0 EACH	EPOXY PATCH
609	IMPERIAL STARGLAZE 2001 EPOXY RESIN A&B	37-16-2301	0	0 EACH	EPOXY RESIN
623	CARBOLINE PHENOLINE 302 PART B GREEN	37-16-4007	0	0 EACH	FILLER
621	CARBOLINE PHENOLINE 302 PART B BLACK	37-16-4005	0	0 EACH	FILLER
617	CARBOLINE PHENOLINE 300, ORANGE PART A	37-16-4001	0	0 EACH	FILLER
618	CARBOLINE PHENOLINE 300, ORANGE PART B	37-16-4002	0	0 EACH	FILLER
622	CARBOLINE PHENOLINE 302 PART A GREEN	37-16-4006	0	0 EACH	FILLER
619	CARBOLINE SPECIAL MICA FILLER	37-16-4003	0	0 EACH	FILLER
620	CARBOLINE PHENOLINE 302 PART A BLACK	37-16-4004	0	0 EACH	FILLER
635	CARBOLINE SANITILE HG/1652A6NL	37-16-4024	0	0 EACH	FILLER/PATCH
655	AMERON AMERCOAT 56C FINISH RESIN	37-16-5102	0	0 EACH	FINISH RESIN
	5 EYE WASH 16 OZ. PLASTIC BOTTLE	00-13-6055	0	0 BOTTLE	FIRST AID
535	3M FIXER AND FIX SOLUTION	37-08-0914	0	0 EACH	FIXER
638	CARBOLINE SANITILE 550 FORTIFIER/L061352	37-16-4027	0	0 EACH	FORTIFIER
269	MOBILTEMP 1/640177	17-64-0176	0	0 EACH	GREASE
276	SOVAREX GREASE L 0/640227	17-64-0228	0	0 EACH	GREASE
277	SOVAREX GREASE L 1/640235	17-64-0234	0	0 EACH	GREASE
271	MOBILTEMP 78/640193	17-64-0194	0	0 EACH	GREASE
297	MOBILITH 22/643510	17-64-3514	0	0 EACH	GREASE
301	ANDOK BR, 5 GAL. PAIL/419110-04788	17-64-4501	0	0	GREASE
270	MOBILTEMP 1/640177	17-64-0178	0	0 120 LB PL	GREASE
299	MOBILITH 22/643510	17-64-3518	0	0 EACH	GREASE
298	MOBILITH 22/643510	17-64-3516	0	0 EACH	GREASE
302	EXXON NEBULA, EP-1/436031-04570	17-64-4502	0	0 EACH	GREASE
273	MOBILTEMP 78/640193	17-64-0198	0	0 EACH	GREASE
304	SHELL, ALVANIA NO. 2/71013	17-64-5001	0	0 EACH	GREASE
272	MOBILTEMP 78/640193	17-64-0196	0	0 EACH	GREASE
296	MOBILITH 21/643502	17-64-3508	0	0 EACH	GREASE
295	MOBILITH 21/643502	17-64-3506	0	0 EACH	GREASE
294	MOBILITH 21/643502	17-64-3504	0	0 EACH	GREASE
293	EXXON ANDOK BR. GREASE/419110-04788	17-64-2506	0	0 EACH	GREASE

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292	MOBILUX EP 0/641290	17-64-1298	0	0 EACH	GREASE
291	MOBILUX EP 0/641290	17-64-1296	0	0 EACH	GREASE
281	MOBILGREASE GRPH 3/640631	17-64-0636	0	0 EACH	GREASE
280	MOBILGREASE GRPH 3/640631	17-64-0634	0	0 EACH	GREASE
274	SOVAREX GREASE L 0/640227	17-64-0224	0	0 EACH	GREASE
278	SOVAREX GREASE L 1/640235	17-64-0236	0	0 EACH	GREASE
284	MOBILUX EP 2/641274	17-64-1278	0	0 EACH	GREASE
285	MOBILUX EP 2/641274	17-64-1276	0	0 EACH	GREASE
284	MOBILUX EP 2/641274	17-64-1274	0	0 EACH	GREASE
287	MOBILUX EP 1/641282	17-64-1284	0	0 EACH	GREASE
313	SHELL ALVANIA GREASE 2	17-64-6103	0	0 EACH	GREASE
279	SOVAREX GREASE L 1/640235	17-64-0238	0	0 EACH	GREASE
267	MOBILGREASE 2B, 5GAL., 35LB PAIL/530626	17-64-0150	0	0 5 GAL.	GREASE
268	MOBILTEMP 1/640177	17-64-0174	0	0 EACH	GREASE
288	MOBILUX EP 1/641282	17-64-1286	0	0 EACH	GREASE
275	SOVAREX GREASE L 0/640227	17-64-0226	0	0 EACH	GREASE
289	MOBILUX EP 1/641282	17-64-1288	0	0 EACH	GREASE
120	MOBIL DELVAC 1310/440701	17-44-0708	0	0 QUART	GREASE/ LUBE OIL
122	MOBIL DELVAC 1330/440727	17-44-0728	0	0 QUART	GREASE/LUBE OIL
154	MOBILGREASE SPECIAL/530303	17-53-0304	0	0 EACH	GREASE/LUBE OIL
156	MOBILGREASE SPECIAL/530303	17-53-0308	0	0 EACH	GREASE/LUBE OIL
155	MOBIL GREASE SPECIAL/530303	17-53-0306	0	0 EACH	GREASE/LUBE OIL
158	MOBIL GREASE 2B/530626	17-53-0310	0	0 EACH	GREASE/LUBE OIL
159	MOBIL VACTRA 8B/580431	17-58-0438	0	0 EACH	GREASE/LUBE OIL
144	MOBIL FLUID 99/520155	17-52-0158	0	0 EACH	GREASE/LUBE OIL
142	MOBILUBE 46 SAE90/510412	17-51-0148	0	0 EACH	GREASE/LUBE OIL
141	MOBILUBE 46 SAE90/510412	17-51-0416	0	0 EACH	GREASE/LUBE OIL
140	MOBILUBE 46 SAE 90/510412	17-51-0414	0	0 EACH	GREASE/LUBE OIL
139	MOBILUBE HD 140/510198	17-51-0198	0	0 EACH	GREASE/LUBE OIL
138	MOBILUBE HD 140/510198	17-51-0168	0	0 EACH	GREASE/LUBE OIL
130	MOBILUBE C 140/510123	17-51-0128	0	0 EACH	GREASE/LUBE OIL
123	MOBIL DELVAC 1340/440735	17-44-0738	0	0 QUART	GREASE/LUBE OIL
134	MOBILUBE HD 80-90/510156	17-51-0156	0	0 EACH	GREASE/LUBE OIL
127	MOBILUBE C 90/510115	17-51-0116	0	0 EACH	GREASE/LUBE OIL
133	MOBILUBE HD 80-90/510156	17-51-0154	0	0 EACH	GREASE/LUBE OIL
131	MOBILUBE C 140/510123	17-51-0146	0	0 EACH	GREASE/LUBE OIL
161	MOBIL DTE 797/600114	17-60-0111	0	0 EACH	GREASE/LUBE OIL
136	MOBILUBE HD 140/510198	17-51-0164	0	0 EACH	GREASE/LUBE OIL
129	MOBILUBE C 140/510123	17-51-0126	0	0 EACH	GREASE/LUBE OIL
135	MOBILUBE HD 80-90/510156	17-51-0158	0	0 EACH	GREASE/LUBE OIL
121	MOBIL DELVAC 1320/440719	17-44-0718	0	0 QUART	GREASE/LUBE OIL
132	MOBILUBE HD 90/510156	17-51-0148	0	0 EACH	GREASE/LUBE OIL
137	MOBILUBE HD 140/510198	17-51-0166	0	0 EACH	GREASE/LUBE OIL
128	MOBILUBE C 90/510115	17-51-0118	0	0 EACH	GREASE/LUBE OIL
230	MOBIL GEAR 626/610857	17-61-0859	0	0 EACH	GREASE/LUBE OIL
108	GE VERSILUBE G 392	17-16-8008	0	0 QUART	GREASE/LUBE OIL
701	GE FILLED DIMETHYL POLYSILOXANE GREASE	51-40-5108	0	0 GALLON	GREASE/LUBRICANT

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718	WYE RHEOLUBE LUBRICATING GREASE/719L	70-21-0017	0	0 EACH	GREASE/LUBRICANT
725	G.E. VARI-PURPOSE GEAR LUBRICANT/608	71-65-6013	0	0 6 GALLON	GREASE/LUBRICANT
443	GO-LO INDUSTRIES ORIGINAL HAND CLEANER	36-64-1470	0	0 EACH	HAND CLEANER
385	SWEENEY 509 HYDRAULIC FLUID/3191	30-88-7135	0	0 EACH	HYDRAULIC FLUID
753	NALCO CORROSION INHIBITOR	87-25-5507	0	0 EACH	INHIBITOR
472	JOHNSON BOLT -FLYING INSECTS	36-64-2702	0	0 EACH	INSECTICIDE
698	DIAMOND-VOGEL MED GRAY LOW SHEEN LACQUER	51-40-5068	0	0 EACH	LACQUER
541	MURALO LATEX FIRE RETARDANT FLAT PAINT	37-16-0001	0	0 GALLON	LATEX PAINT
215	MOBIL MIST LUBE 27/607028	17-60-7028	0	0 EACH	LUBE OIL
211	MOBIL SHC 630/602953	17-60-2958	0	0 EACH	LUBE OIL
202	MOBIL DTE 13/602680	17-60-2688	0	0 EACH	LUBE OIL
220	FYRQUEL EHC, STAUFFER CHEMICAL	17-60-7475	0	0	LUBE OIL
201	MOBIL DTE 25/602631	17-60-2638	0	0 EACH	LUBE OIL
109	MOBIL, SAE, NON-DETERGENT	17-44-0210	0	0 QUART	LUBE OIL
200	MOBIL DTE 24/602623 55 GAL DRUM	17-60-2628	0	0 55 GAL DRM	LUBE OIL
208	MOBIL GUARD 312/602474 55 GAL DRUM	17-60-2863	0	0 55 GAL DRM	LUBE OIL
216	MOBIL MIST LUBE 34/607143	17-60-7148	0	0 EACH	LUBE OIL
209	MOBIL SHC 639/602904	17-60-2908	0	0 EACH	LUBE OIL
189	MOB 600W CYL. OIL/601260	17-60-1268	0	0 EACH	LUBE OIL
187	MOB EX HEC SUP. MIN./601245	17-60-1248	0	0 EACH	LUBE OIL
186	MOB EX HEC SUP. MIN./601245	17-60-1245	0	0 EACH	LUBE OIL
190	GG ARTIC OIL 300/601732 55 GAL	17-60-1735	0	0 GAL	LUBE OIL
195	MOBIL DTE 105	17-60-1888	0	0 EACH	LUBE OIL
194	MOBIL DTE 103	17-60-1878	0	0 EACH	LUBE OIL
193	MOBIL DTE 103	17-60-1875	0	0 EACH	LUBE OIL
197	MOB VAC PUMP OIL/601906	17-60-1908	0	0 EACH	LUBE OIL
183	MOB 600W SUPER CYL./601211	17-60-1215	0	0 EACH	LUBE OIL
181	MOBIL VELOCITE 10/600684	17-60-0688	0	0 EACH	LUBE OIL
178	MOBIL VELOCITE 6/600668	17-60-0668	0	0 EACH	LUBE OIL
238	MOBILTAC A/883108	17-61-1006	0	0 EACH	LUBE OIL
242	MOBILTAC MM/611210	17-61-1214	0	0 EACH	LUBE OIL
174	MOBIL VELOCITE 8/600577	17-60-0575	0	0 EACH	LUBE OIL
196	MOB VAC PUMP OIL/6011880	17-60-1905	0	0 EACH	LUBE OIL
198	MOBIL FYROGARD D/601906	17-60-2018	0	0 EACH	LUBE OIL
192	9 SOC OVEN CONV LUBT/601856	17-60-1858	0	0 EACH	LUBE OIL
170	MOBIL VACTR OIL 2/580381	17-60-0495	0	0 55 GAL DRM	LUBE OIL
188	MOB 600W CYL. OIL/601260	17-60-1265	0	0 EACH	LUBE OIL
233	MOBIL GEAR 630/610873	17-61-0878	0	0 EACH	LUBE OIL
179	MOBIL VELOCITE 10/600684	17-60-0685	0	0 EACH	LUBE OIL
235	MOBIL GEAR 632/610881	17-61-0889	0	0 EACH	LUBE OIL
172	MOBIL VACTRA OIL 4/600510	17-60-0515	0	0 EACH	LUBE OIL
236	MOBIL GEAR 634/610907	17-61-0908	0	0 EACH	LUBE OIL
239	MOBILTAC E55/611046	17-61-1046	0	0 EACH	LUBE OIL
171	MOBIL VACTRA OIL 2/580381	17-60-0498	0	0 EACH	LUBE OIL
240	MOBILTAC-E SPRAY/611046	17-61-1047	0	0 EACH	LUBE OIL
177	MOBIL VELOCITE 6/600668	17-60-0665	0	0 EACH	LUBE OIL
175	MOBIL VELOCITE 8/600577	17-60-0578	0	0 EACH	LUBE OIL

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173	MOBIL VACTRA OIL 4/600510 55 GAL DRUM	17-60-0510	0	0 55 GAL DRM	LUBE OIL
323	MOBILARMA 245/667022	17-66-7025	0	0 EACH	LUBRICANT
257	AMERICAN POLYWATER CABLE PULL LUBE-J	17-63-0017	0	0 EACH	LUBRICANT
252	NEVER-SEEZ,NUC. GRADE, 8LB CAN, 4/CASE	17-63-0004	0	0 8 LB. CAN	LUBRICANT
324	MOBILARMA 245/667022	17-66-7028	0	0 EACH	LUBRICANT
336	LOCTITE WATERPROOF SOLUTION/741	24-07-3107	0	0 EACH	LUBRICANT
265	H.B. FULLER BRIDGILG ENCAPSULANT FOSTER	17-63-3001	0	0 EACH	LUBRICANT
334	MOBILTHERM 603/680512	17-68-0518	0	0 EACH	LUBRICANT
327	MOBILARMA 777/667162	17-66-7168	0	0 EACH	LUBRICANT
258	AMERICAN POLYWATER CABLE PULL LUBE-WJ	17-63-0018	0	0 GALLON	LUBRICANT
224	LUBRICANT, GE SILICONE 8 OZ. TUBE	17-60-8001	0	0 8 OZ.	LUBRICANT
325	MOBILARMA 355/667055	17-66-7058	0	0 EACH	LUBRICANT
332	MOBILSOL A/680355	17-68-0355	0	0 EACH	LUBRICANT
317	TEXACO CAPELLA WF68 1 GAL. PAIL	17-64-7503	0	0 1 GAL. PL.	LUBRICANT
247	WD-40 LUBRICANT	17-62-3004	0	0 EACH	LUBRICANT
243	FLOWREX 200/621649	17-62-1648	0	0 EACH	LUBRICANT
328	MOBILARMA 798/667212	17-66-7218	0	0 EACH	LUBRICANT
322	MOBILMET S 122/880013	17-66-0018	0	0 EACH	LUBRICANT
331	MOBILTHERM LIGHT/680306	17-68-0308	0	0 EACH	LUBRICANT
333	MOBILSOL A/680355	17-68-0358	0	0 EACH	LUBRICANT
694	PARKER-HANNAFIN SUPER-O-LUBE	49-01-0151	0	0 EACH	LUBRICANT
762	GE VERSILUBE G351	89-97-0237	0	0 EACH	LUBRICANT
251	NEVER-SEEZ,NUC. GRADE,4LB CAN 4/CASE	17-63-0003	0	0 4LB CAN	LUBRICANT
719	VASELINE	70-23-0050	0	0 EACH	LUBRICANT
726	ELECTRO NATIONAL RATCHET LUBE	71-75-0007	0	0 EACH	LUBRICANT
263	GRAPHITE SUSPENDED IN ISOPROPNOL 5 GAL.	17-63-2005	0	0 5 GAL. CAN	LUBRICANT
728	MOBIL OIL SHC 824/602755	72-47-5512	0	0 EACH	LUBRICANT OIL
473	BOYLE-MIDWAY NOXON METAL POLISH GALLON	36-64-4100	0	0 EACH	METAL POLISH
644	PETIT PAINT METAL PRIMER & ACTIVATOR	37-16-4061	0	0 EACH	METAL PRIMER
219	MOBIL,WHITEREX-425/622407 MINERAL OIL	17-60-7300	0	0 GALLON	MINERAL OIL
153	INSULGREASE G641 GE SILICONE DIELECT CPD	17-53-0202	0	0 EACH	MISC. GREASE
214	ETNA 26/606988	17-60-6988	0	0 EACH	MISC. OIL
213	ETNA 24/606962	17-60-6968	0	0 EACH	MISC. OIL
515	HECTO MAST 8.5X14 100/BOX	37-08-0203	0	0 EACH	MISCELLANEOUS
514	HECTO MAST 8.5X11 100/BOX	37-08-0202	0	0 EACH	MISCELLANEOUS
512	CORRECTION FLUID GALLON CAN	37-08-0200	0	0 EACH	MISCELLANEOUS
513	HECTO MAST 11X17 100/BOX	37-08-0201	0	0 EACH	MISCELLANEOUS
707	BATTERY, LEAD CALCIUM 30 AMP	68-09-7002	0	0 EACH	MISCELLANEOUS
534	OIL FUSE: STAK 30/36 FOR XEROX 600/840	37-08-0913	0	0 EACH	MISCELLANEOUS OIL
695	GE MERCURY SWITCH/121A7505-PB	51-40-5062	0	0 EACH	N/A
758	INSULATION COLLECTOR KIT	89-14-0651	0	0 EACH	N/A
700	GE MERCURY SWITCH	51-40-5074	0	0 EACH	N/A
752	TURBO CHARGER COMPLETE ASSY	87-25-1114	0	0 EACH	N/A
113	MOBIL DELVAC SPL 20W40/440230	17-44-0238	0	0 QUART	OIL
150	MOBIL FLUID 350/605758	17-52-2260	0	0 EACH	OIL
149	MOBIL FLUID 300/522250	17-52-2258	0	0 EACH	OIL
151	MOBIL FLUID 423/522318	17-52-2318	0	0 EACH	OIL

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112	MOBIL DELVAC SPL 20W40/440230	17-44-0232	0	0 QUART	OIL
111	MOBIL DELVAC SPL 10W30	17-44-0228	0	0 QUART	OIL
110	MOBIL DELVAC SPL 10W30	17-44-0222	0	0 QUART	OIL
559	BENJAMIN MOORE THALO GREEN COLORANT	37-16-0108	0	0 EACH	PAINT
586	TNEMEC PAINT CHLOROLINE SERIES 13	37-16-2105	0	0 EACH	PAINT
589	TNEMEC PAINT CHLOROLINE SERIES 13	37-16-2106	0	0 GALLON	PAINT
652	KEELER & LONG EPOXY ENAMEL PART B	37-16-5007	0	0 GALLON	PAINT
651	KEELER & LONG EPOXY ENAMEL PART A	37-16-5006	0	0 EACH	PAINT
585	TNEMEC PAINT CHLOROLINE SERIES 13 WHITE	37-16-2104	0	0 EACH	PAINT
577	VALSPAR PAINT MOBILE HIGH HEAT WHITE	37-16-2008	0	0 GALLON	PAINT
648	KEELER & LONG PAINT EPOXY SURFACER	37-16-5003	0	0 GALLON	PAINT
556	BENJAMIN MOORE MAGENTA COLORANT	37-16-0105	0	0 EACH	PAINT
551	BENJAMIN MOORE WHITE COLORANT	37-16-0100	0	0 EACH	PAINT
552	BENJAMIN MOORE YELLOW COLORANT	37-16-0101	0	0 EACH	PAINT
558	BENJAMIN MOORE BRIGHT BLUE COLORANT	37-16-0107	0	0 EACH	PAINT
647	PAINT, GRAY PRIMER	37-16-5002	0	0 GALLON	PAINT
562	BENJAMIN MOORE BLACK COLORANT	37-16-0111	0	0 EACH	PAINT
555	BENJAMIN MOORE CLEAR RED COLORANT	37-16-0104	0	0 EACH	PAINT
553	BENJAMIN MOORE OXIDE YELLOW COLORANT	37-16-0102	0	0 EACH	PAINT
561	BENJAMIN MOORE GRAY COLORANT	37-16-0110	0	0 EACH	PAINT
653	KEELER & LONG YELLOW EPOXY ENAMEL	37-16-5008	0	0 GALLON	PAINT
594	TNEMEC PAINT SAPPHIRE 2H HI-BUILD GLOSS	37-16-2113	0	0 EACH	PAINT
747	ALKYD RESIN FIRE RETARDANT PAINT	87-22-4069	0	0 EACH	PAINT
557	BENJAMIN MOORE RED TONER COLORANT	37-16-0106	0	0 EACH	PAINT
599	TNEMEC PAINT SANDSTONE, 2H, HI-BUILD	37-16-2118	0	0 GALLON	PAINT
595	TNEMEC PAINT QUARETILE 2H HI-BUILD GLOSS	37-16-2114	0	0 GALLON	PAINT
569	MARTEX FERROX NON-SKID FLOOR/DECK COAT	37-16-1111	0	0 EACH	PAINT
611	IMPERIAL PROF. COATING TALC. MAGNESIUM	37-16-2303	0	0 EACH	PAINT
554	BENJAMIN MOORE RED OXIDE COLORANT	37-16-0103	0	0 EACH	PAINT
649	KEELER & LONG PAINT EPOXY CLEAR	37-16-5004	0	0 GALLON	PAINT
566	MARTEX FERROX NON-SKID PAINT, BLACK	37-16-1105	0	0 EACHON	PAINT
560	BENJAMIN MOORE ORANGE COLORANT	37-16-0109	0	0 EACH	PAINT
564	CARBOLINE PRODUCT THINNER/49	37-16-0113	0	0 EACH	PAINT
563	CARBOLINE SANITILE SATIN	37-16-0112	0	0 EACH	PAINT
590	TNEMEC PAINT OYSTER SHELL 2H HI-BUILD	37-16-2109	0	0 EACH	PAINT
612	CARBO ZN 11 BASE PART A/ ZN FILLER	37-16-3010	0	0 EACH	PAINT FILLER
607	TNEMEC SERIES 4 VERSARE PRIMER, 200	37-16-2200	0	0 EACH	PAINT PRIMER
583	PAINT PRIMER, OIL BASE WHITE, 100	37-16-2102	0	0 GALLON	PAINT PRIMER
640	CARBOLINE SANITILE PATCHING COMPOUND	37-16-4029	0	0 EACH	PATCHING COMPOUND
699	DIAMOND-VOGEL GRAY PRIMER/PL-0613	51-40-5069	0	0 EACH	PRIMER
407	TRIMCO PRIMER NO. 1	36-20-0146	0	0 GALLON	PRIMER CHEMICAL
411	FOSROC NITROPRIME ZINCHRICH PRIMER PAINT	36-20-0150	0	0 GALLON	PRIMER PAINT
654	AMERON AMERCOAT 56C PRIMER RESIN	37-16-5101	0	0 EACH	PRIMER RESIN
79	LOCTITE LOCQUIC PRIMER NF AEROSOL/736	01-95-4009	0	0 EACH	PRIMER SEALANT
78	LOCTITE LOCQUIC PRIMER N/764	01-95-4008	0	0 EACH	PRIMER SEALANT
741	ROHM & HAAS IR-120 PLUS RESIN	87-10-7261	0	0 EACH	RESIN
767	GE ION EXCHANGE RESIN	94-46-0581	0	0 EACH	RESIN

INDUSTRIAL CHEMICAL SURVEY
SHOREHAM NUCLEAR POWER STATION
LISTING OF INACTIVE ITEMS
Prepared: January 1992

ENTRY	CHEMICAL NAME	STORES NUMBER	ON HAND	ANNUAL USAGE	MATERIAL TYPE
382	HOUGHTON RUST-VETO SPRAY RUST PREVENT.	30-73-0882	0	0 EACH	RUST PREVENTITIVE
383	HOUGHTON WEATHERSHED SPRAY RUST PREVENT.	30-73-0883	0	0 EACH	RUST PREVENTITIVE
10	DOW CORNING 3-6548 SILICONE RTV FOAM A/B	01-20-2551	0	0 EACH	SEALANT
17	DOW CORNING SEALANT ADHESIVE 732	01-20-2562	0	0 EACH	SEALANT
68	CARTRIDGE, RTV FOAM SILICONE	01-95-2104	0	0 EACH	SEALANT
50	LOCTITE PIPE SEALANT/592	01-95-4010	0	0 EACH	SEALANT
13	BISCOSEAL TP-28	01-20-2557	0	0 EACH	SEALANT
404	NITROSEAL 225 SEALANT	36-20-0143	0	0 1.5 GAL.	SEALANT
56	LOCTITE SEALANT	01-95-1749	0	0 EACH	SEALANT
15	BISCO LOCASEAL	01-20-2560	0	0 EACH	SEALANT
58	DURC DYNE S-2 DUCT SEALANT	01-95-1900	0	0 EACH	SEALANT
16	DOW CORNING BUILDING SEALANT 790	01-20-2562	0	0 EACH	SEALANT
763	HORN VERTICAL GUN GRADE SEALANT	90-70-041B	0	0 EACH	SEALANT
75	LOCTITE ADHESIVE SEALANT/222	01-95-4004	0	0 EACH	SEALANT
12	METALLIC OXIDE SILICONE ELASTOMER	01-20-2553	0	0 EACH	SEALANT
11	SYLGARD SILICONE ELASTOMER	01-20-2552	0	0 EACH	SEALANT
14	BISCOSEAL TC-33	01-20-2558	0	0 EACH	SEALANT
746	POLYMERIC PLASTICIZER BASE DUCT SEAL	87-22-4065	0	0 EACH	SEALANT
769	HORNIFLEX TRAFFIC GRADE SEALANT	98-60-0026	0	0 EACH	SEALANT
410	REND. W. HB CONCRETE CRACK SEALER	36-20-0149	0	0 5 GAL.	SEALER
487	CRYSTAL CHEMICAL UNDERCOAT SEALER	36-64-5414	0	0 GALLON	SEALER
408	NITROSEAL 225/240 PRIMER	36-20-0147	0	0 GALLON	SEALER/PRIMER
227	DOW CORNING 200 SILICONE FLUID	17-60-8006	0	0 EACH	SILICONE FLUID
711	GE SOLVENT MIXTURE/10-8669	68-33-0002	0	0 EACH	SOLVENT
670	ACETONE, ELECTRONIC GRADE 55 GALLON	37-40-0003	0	0 55 GAL. DR	SOLVENT
337	LOCTITE CLEAN UP SOLVENT/753-53	24-07-3108	0	0 EACH	SOLVENT
18	WS 6962 SOLVENT SAFETY BLEND	01-20-2567	0	0 EACH	SOLVENT
409	FOSROC SOLVENT 102	36-20-0148	0	0 GALLON	SOLVENT
19	BRAND BISCOLUBE ANTI-SEIZE COMPOUND	01-20-2573	0	0 EACH	SOLVENT
372	SOLVENT CLEANER GM 141 SUPER AGITENE	30-10-4051	0	0 5 GALLON	SOLVENT CLEANER
712	GC READY-KLEEN, K. (OSOL/10-8682	68-33-0003	0	0 EACH	SOLVENT CLEANER
384	UNITED GUARDIAN SURFAS-KLEEN	30-73-0884	0	0 16 OZ. BTL	SPRAY CLEANERR
706	SQUARE D STANDARD GRAY ENAMEL SPRAY	59-81-6565	0	0 EACH	SPRAY PAINT
631	CARBOLINE B01 PART A/L010987A	37-16-4020	0	0 EACH	THINNER
580	VALSPAR THINNER/7741R 5 GALLON	37-16-2027	0	0 5 GALLON	THINNER
605	VALSPAR PAINT THINNER	37-16-2161	0	0 EACH	THINNER
632	CARBOLINE B01 PART B/L010987B	37-16-4021	0	0 EACH	THINNER
357	DYKEM STEEL BLUE/DX-100 LAYOUT FLUID	30-04-1681	0	0 EACH	THINNER
587	TNEMEC SERIES F041 THINNER NO.1	37-16-2106	0	0 GALLON	THINNER
588	TNEMEC SERIES F041 THINNER NO.2	37-16-2107	0	0 GALLON	THINNER
508	KOPPERS THINNER 1500	36-64-6011	0	0 GALLON	THINNER
615	CARBOLINE THINNER 5 GALLON	37-16-3013	0	0 5 GALLON	THINNER
356	DYKEM STEEL BLUE/DX-100 LAYOUT FLUID	30-04-1679	0	0 EACH	THINNER
628	RPM GATES THINNER/N-450-1	37-16-4012	0	0 EACH	THINNER
658	AMERON AMERCOAT 7 THINNER/1065900	37-16-5105	0	0 EACH	THINNER
616	CARBOLINE THINNER 5 GALLON	37-16-3014	0	0 5 GALLON	THINNER
640	IMPERIAL PRODUCT THINNER #6	37-16-2302	0	0 EACH	THINNER

INDUSTRIAL CHEMICAL SURVEY
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ENTRY	CHEMICAL NAME	STORES NUMBER	ON HAND	ANNUAL USAGE	MATERIAL TYPE
634	CARBOLINE THINNER 45/010545	37-16-4023	0	0 EACH	THINNER
633	CARBOLINE THINNER 4/010504	37-16-4022	0	0 EACH	THINNER
645	PETTIT PAINT BRUSHING THINNER/12120	37-16-4063	0	0 EACH	THINNER
624	CARBOLINE PHENOLINE THINNER	37-16-4008	0	0 EACH	THINNER
40	AMERON AMERPLATE 19Y THINNER CLEANER	01-95-0102	0	0 GALLON	THINNER CLEANER
354	DYKEM STEEL BLUE/DI-100 LAYOUT FLUID	30-04-1677	0	0 16 OZ. CAN	THINNER/CLEANER
613	CARBOLINE PHENOLINE 305 FINISH PART A	37-16-3011	0	0 EACH	THINNER/FILLER
614	CARBOLINE PHENOLINE 305 PART B	37-16-3012	0	0 EACH	THINNER/FILLER
720	XEROX TONER CONCENTRATE	70-71-8001	0	0 EACH	TONER
533	STAR TONER 30/36 FOR XEROX 600/840	37-08-0912	0	0 EACH	TONER
525	XEROX TONER 3600/7000	37-08-0901	0	0 EACH	TONER
524	XEROX TONER 2400/3600	37-08-0900	0	0 EACH	TONER
147	MOBIL ATF L '0/580902	17-52-2176	0	0 EACH	TRANSMISSION FLUID
148	MOBIL ATF 220/580902	17-52-2178	0	0 EACH	TRANSMISSION FLUID
146	MOBIL ATF 210/522144	17-52-2148	0	0 EACH	TRANSMISSION FLUID
145	MOBIL ATF 210/522144	17-52-2146	0	0 EACH	TRANSMISSION FLUID
507	KOPPERS 40 PASSIVATOR RULE 66	36-64-6040	0	0 GALLON	WASH PRIMER
499	JOHNSONS FORTIFY 1 GALLON CAN/14660	36-64-5427	0	0 GALLON	WAX
497	WAX, MUSHELN 1 GAL. CAN	36-64-5425	0	0 GALLON	WAX
502	CRYSTAL CHEMICAL J-134 FLOOR FINISH	75-64-5431	0	0 GALLON CAN	WAX
498	WAX, VELVA SHEEN 5 GAL. CAN	36-64-5426	0	0 5 GAL. CAN	WAX
503	SIMONIZE WAX	36-64-5432	0	0 EACH	WAX
500	WAX, JOHNSONS FORWARD 55 GAL. DRUM/14540	36-64-5428	0	0 55 GAL. DR	WAX
490	JOHNSONS COMPLETE/14650	36-64-5417	0	0 EACH	WAX CLEANER
484	JOHNSONS FORWARD WAX CLEANER 5 GAL. CAN	36-64-5411	0	0 EACH	WAX CLEANER
483	JOHNSONS FORWARD WAX CLEANER, 1 GAL. CAN	36-64-5410	0	0 GAL. CAN	WAX CLEANER
493	SIMONIZE WAX 12/7 OZ. CAN	36-64-5421	0	0 7 OZ. CAN	WAX CLEANER
492	JOHNSONS SNAPBACK PRESSURIZED/14115	36-64-5420	0	0 EACH	WAX CLEANER
495	JOHNSON STEP AHEAD 55 GAL DRUM/14160	36-64-5423	0	0 55 GAL. DR	WAX CLEANER
494	JOHNSON STEP AHEAD 30 GAL DRUM/14160	36-64-5422	0	0 30 GAL. DR	WAX CLEANER
488	JOHNSON OVER & UNDER 55 GAL. DRUM/14140	36-64-5415	0	0 55 GAL. DR	WAX CLEANER
486	JOHNSON UNDER & OVER 30 GAL. DRUM	36-64-5413	0	0 EACH	WAX CLEANER
446	HALBRO WINDOW CLEANER 4 GAL. DRUM	36-64-1481	0	0 4 GAL. DR	WINDOW CLEANER

EXHIBIT B

SHOREHAM NUCLEAR POWER STATION
SPDES PERMIT #NY0026344

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES)

Form 2C Application Supplement
Steam Generating Facility (SIC 4911)

1. Facility Description:

Type of Plant: Baseload
Capacity Factor: Existing - 0%
Future - 0%
The plant is currently being decommissioned.
Retirement: July 13, 1989.

2. Thermal Discharges:

a. Discharge Temperatures: The data reported are for Outfalls 001 and 004 for the period August 1987 through September 1991.

Maximum recorded discharge temperature - 75° F (Outfall 001)
107° F (Outfall 004)

There were no exceedences of the permit limitation for Outfall 004 during this time frame. There are no permit limitations for Outfall 001.

b. Temperature Differential: The data reported below is for Outfall 004 from August 1987 through September 1991. There were no temperature differential reporting requirements for Outfall 001.

<u>Temperature Differential</u>	<u>°F</u>	<u>(Limit 30°F)</u>
Range	21 - 57	
Maximum Summer	30	
Maximum Winter	57	

c. The plant uses once-through cooling water.

d. Discharge configurations, in plan and profile, are given in the attached diagrams.

e. Not applicable - the facility is not operating and is being decommissioned.

f. All chemicals used on site are listed in the attached

Industrial Chemical Survey.

g. Not applicable - these systems have been retired.

3. Material Storage:

Not applicable - there are no material storage piles on site.

4. Effluent Source:

001 - Cooling water/circulating water, service water and outfalls 001a and 001b.

001a - Demineralizer regeneration wastes-Make-up demineralizer system (Non-radioactive).

001b - Radwaste Facility-Demineralizer regeneration wastes.

002 - Floor drains, chlorine monitor and fire pump house storm drains.

003 - Oil water separator (Emergency diesel generator floor drains, auxiliary boiler blowdown, control building drains), Oil water separator (Colt emergency diesel generator building drains), roof and yard drains.

004 - Emergency generator non-contact cooling water, screen wash discharge, fish return.

5. Sludge Removal and Disposal:

Not applicable - no sludge is generated on site.

6. Plant Fuel:

The plant is a nuclear power station that is currently being decommissioned.

7. Discharge Termination:

No outfalls have been terminated. The permit was revised in November 1991 to eliminate the individual monitoring requirements at outfalls 003a and 003b and to incorporate them into outfall 003.

8. Studies and Reports:

No aquatic monitoring programs were conducted at this facility since August 1987.

9. Permit Violations:

Permit violations are summarized in Exhibit C; corrective actions are described in Exhibit D.

10. Cooling Water Intake:

a. No changes in the location, design, operation, construction or capacity of the cooling water intake have been

made since August 1987.

b. No changes in the location, design, operation, construction or capacity of the cooling water intake are anticipated over the next five years.

c. The last major overhaul of the cooling water intake screens occurred in January 1991.

d. There is no anticipated need to overhaul the condenser cooling water intake screens during the next five years.

e. A summary of spare parts is given in Exhibit E.

EXHIBIT C

LONG ISLAND LIGHTING COMPANY
SHOREHAM NUCLEAR POWER STATION

SUMMARY OF SPDES PERMIT EXCEEDENCES

1 August 1987 - 31 October 1991

OUTFALL NUMBER	PARAMETER	LIMITATION	No. of Exceedences During Report Period				
			AUG/DEC 1987	JAN/DEC 1988	JAN/DEC 1989	JAN/DEC 1990	JAN/OCT 1991
001	TRC	0.2 mg/l	1	4	6	2	0
	TRC	2 hr/24 hr period	0	0	3	0	0
001a	pH	6.0 - 9.0	0	1	0	0	0
001b	O&G	15 mg/l daily max	0	1	0	1	0
	IRON	Monitor only	1	1	0	0	0
003	TSS	50 mg/l daily max	0	0	4	0	0
	O&G	15 mg/l daily max	0	0	1	0	0
003a	TSS	50 mg/l daily max	1	3	4	0	0
	O&G	15 mg/l daily max	0	0	1	1	0
003b	TSS	50 mg/l daily max	0	0	2	1	0
	O&G	15 mg/l daily max	0	0	3	0	0
004	TEMP DIFF	30 DEG F	0	0	1	0	0

TRC = Total Residual Chlorine
O&G = Oil and Grease
TSS = Total Suspended Solids
TEMP DIFF = Temperature Differential

EXHIBIT D
 SHOREHAM NUCLEAR POWER STATION
 SPDES PERMIT #NY0026344
 NON-COMPLIANCE SUMMARY

REPORT PERIOD	OUTFALL	PARAMETER	EXPLANATION	CORRECTIVE ACTION
1987				
June-August	003a	TSS	Exceedence resulted from drainage from Auxiliary Boiler "A" at a rate that caused the TSS loading to exceed the permit limitation.	Station procedure will be modified to assure that the boiler is drained at a rate the reduces the TSS loading to within permit limitations
October	001	TRC	Upon completion of chlorine injection system repairs, the operator inadvertently opened the chlorine injection valve.	All equipment operators were cautioned regarding the potential of excessive chlorination when manipulating the valves.
	001b	IRON	Failure to analyze for iron during one week of the monitoring period.	Plant personnel were reminded to review all sampling requirements for the permit.
1988				
February	003a	TSS	Excessive sediments collected in the Auxiliary Boiler oil/water separation pit.	The boiler is being flushed to remove excess sediment. Once the boiler is flushed out, the pit will be drained and cleaned.
March	003a	TSS	Excessive sediment collected in the Auxiliary Boiler oil/water separation pit.	The oil/water separation pit will be pumped out and cleaned.
April	001	TRC	The chlorine monitor was out of service and a technician failed to collect a grab sample during the 0800-1600 shift.	Plant personnel were reminded of the importance of adhering to the monitoring requirements.
July	003a	TSS	A tube leak in Auxiliary Boiler "B" allowed water to enter the fire box and to mix with the fly ash.	Auxiliary Boiler "B" was removed from service for repair and the contents of the firebox were removed.

August	001	TRC	The injection timer may have been incorrectly set.	The timer will be reset.
	003	TSS	Cause of occurrence unknown. Road debris from storm water runoff may be a factor.	No corrective actions were taken at this time.
	003a	TSS	Cause of occurrence is unknown.	The oil water separator was being pumped out and cleaned.
September	001	TRC	The "A" chlorine injection line was plugged, coincident with the analyzer being out of service for repairs.	Plant personnel were advised that adjustments to the chlorine injection system should not be made when the chlorine analyzer and associated interlocks are out of service.
	003 003a	TSS(2) TSS	Source of the solids is believed to be from the 003a oil water separator.	The oil/water separator is scheduled to have the solids cleaned out in October.
October	001	TRC	Chlorine monitor was out of service. A grab sample showed an excess level of chlorine. Chlorination was immediately secured. The chlorine monitor would have secured the injection before an exceedence could occur.	The chlorine monitor was repaired and returned to service and the instrument is checked every 8 hours.
	003b	O&G	Service water for the heat exchangers for the Colt diesel engines was drained and maintenance work was performed on the equipment. This was assumed to be the source of the oil and grease.	Plant personnel will closely monitor heat exchanger draining in the future.
November	001	TRC	The circulating water pump was stopped and started several times, causing a series of chlorination spikes. These spikes, in addition to the normal circulating water injection resulted in a total injection time of 2.25 hours.	No corrective actions were taken at this time.

October	001	TRC(3)	The exceedence is believed to be caused by a reduced chlorine consumption.	The rate of chlorine injection was reduced from 0.8 gpm to 0.3 gpm.
	001b	IRON O&G	Non compliance is for missed analyses.	Plant personnel have been instructed to ensure that proper sampling and analytical protocol is observed.
November	001a	pH	Failure of 001a tank discharge valve during treatment for neutralization.	The waste neutralizing tank was isolated by closing a manual valve in the discharge line. The discharge valve was repaired.
1989				
January	003b	O&G(2)	Caused by tidal back flood of the oil water separator pit.	Modification will be made to the system to prevent this in the future.
February	003	TSS O&G	Excessive runoff from rainfall and storm drains.	No corrective actions were taken at this time.
	003a	TSS O&G	Rainfall leakage into the Auxiliary Boiler Building accumulated over a clogged floor drain. This was discharged directly into the oil water separator.	The floor drains were cleared and cleaned.
April	001	TRC(3)	One, no cause was determined. The other exceedences were caused by improper valve settings.	Plant personnel investigated proper injection flow rates and will review and revise operating procedures.
June	001	TRC	Routine start-up of chlorine injection system.	Chlorine injection was secured.
	003b	TSS(2)	Backwash from the canal into outfall 003b during high tide resulted in sand and ocean debris being deposited into separator pit baffles.	The separator pit was pumped out and the baffle plates were cleared.
July	003a	TSS	An oil absorbent pad blocked the discharge outlet, thus increasing the amount of suspended solids present.	The material was removed and the outfall was resampled and found to be within acceptable limits.

December	001	TRC	A decrease in chlorine demand resulted in an increased residual chlorine decay time.	Plans were made to reduce the circulating water injection time from 1.5 hours to 1 hour when chlorine demand is low.
	004	Temp Diff	There was a period of reduced cooling water flow, during which the service water inlet temperature increased to a point where the allowable temperature differential was exceeded.	Plant personnel will more closely monitor engine operating parameters; in particular service water inlet and outlet temperatures will be monitored more frequently.
1990				
February	003a	O&G	There was a build up of oil and grease in the separator.	The oil/water separator was cleaned out in the beginning of March.
March	001	TRC	A chlorination study was going on during the month of March. At no time did the TRC value exceed .2 mg/l at the manhole.	A full report with the results of the chlorination study was prepared and submitted to the DEC.
July	001b	O&G	Oil was found in the Radwaste floor drain sump. This may have allowed oil to enter the Radwaste system.	The radwaste floor drain sump was cleaned. Plant personnel will analyze all batch releases, for oil and grease, prior to discharge.
September	001	TRC	The continuous sampling system was out of service for repair. Manual grab sampling revealed the exceedence, at which time the injection rate was adjusted.	The automatic sampling system was repaired and returned to service.
	003b	TSS	Debris was found floating on the surface of the water flowing from this outfall.	The oil/water separator was drained, cleaned and refilled.

EXHIBIT E

MSXDCAT HPRS7701
REPORT HSHHE

SWPS SPARE PARTS CATALOG

RUN DATE 04/23/91 PAGE 94.034

94-00-0000 (41) SPARE PARTS T TO V

94-35-0000 (51) TRAPS

C

STORES-NO. 0 CATALOG DESCRIPTION

T SUPPLIER/MANUFACTURER DATA
V VEN-NO LI PART-NO/PR

LOCATION UN QTY-ON
S A-P-BN IS #/AMB

UNIT ORDER AC
PRICE POINT CD SYSTEM

S R
COMPONENT-ID S M

94-36-1125 (61) TOOL, MD RECOMMENDED SPARE PARTS

1F1119010-056

94-40-0000 (51) TRAVELING SCREENS

94-40-0000 (61) TRAVELING WATER SCREENS

INT1150TSC-0010

LINE SPEC-NO. DRAWING-NO.
1811 00032 JK1862-01
1821 00000 JK1862-03
1831 00000 JK1862-10
1841 00000 JK1862-25
1851 00000 JK1862-30
1861 00000 JK1862-32
1871 00000 JK1862-42
1881 00000 JK1862-53

TECH-MANUAL-NO.
ION ELECTRONICS
1-5063-1, HFG
0. BOLTS & NUTS
1V41-150
1V41-150
1V41-150
EXPERIMENT
-EXPERIMENT

94-40-0050 9 BOLT, STAINLESS STEEL FOR SEAL PLATES
94-40-0051 6 BUSHING, BRONZE FOR HEAD SHAFT
94-40-0052 3 BUSHING, GRADE C, 6 IN. FOR FOOT SHAFT
94-40-0053 0 CHAIN, DRIVE DETACHABLE RC 180
94-40-0054 8 CHAIN, TRAY LEFT HAND 104 FT.
94-40-0055 5 CHAIN, TRAY RIGHT HAND 104 FT.
94-40-0056 2 PIECES OF SCREEN CLOTH, 5.5. DMC 375X10
304 S.S., SIZE 25-1/2"X14"-1-3/4"
94-40-0057 0 INSERT, TOOTH FOR HEAD SPROCKETS
94-40-0058 7 LINK, OFFSET
94-40-0059 4 MOTOR, ELECTROFLUID
94-40-0060 5 MOTOR, 7.5 HP. 140 SPEED FOR TRAVELING
WATER SCREEN
94-40-0061 2 NOZZLE, SPRAY DELRIN 341Y30A
94-40-0062 0 NOZZLE, SPRAY STAINLESS STEEL
94-40-0063 7 NOZZLE, SPRAY, STAINLESS STEEL, 80150
94-40-0064 4 LOCKWUT FOR SEAL PLATES

5415 32 JK126-866-131
5415 32 JK1862-25-2
5415 32 JK1862-30-12
5415 32 JK1862-3-133
5415 32 JK1862-3-102
5415 32 JK1862-3-103
5415 16 JK1862-3-97
5415 32 833-17-2
5415 32 JK1862-3-134
5415 32 JK1862-10-21
5415 32 JK1862-10-11
5415 32 JK1862-56-21
5415 16 H1/2050150 V-JET
5415 16 JK1862-54-25
5415 16 7087-93-8

LINE SPEC-NO. DRAWING-NO.
(811) 438 R RELIAB. RPT#6

TECH-MANUAL-NO.

94-40-0065 1 LOCKWUT FOR TOOTH INSERTS

94-40-0066 6 ORIFICE

5415 0 126N772-5
5415 0 JK1862-56-22
5415 0 JK1862-56-22
5415 0 JK1862-56-22

LINE SPEC-NO. DRAWING-NO.
1811 438 R RELIAB. RPT#6

TECH-MANUAL-NO.

LINE SPEC-NO. DRAWING-NO.
(811) 438 R RELIAB. RPT#6

TECH-MANUAL-NO.

94-00-0000 1411 SPARE PARTS T TO V

94-40-0000 1511 TRAVELING SCREENS

STORES-NO.	D	C	CATALOG DESCRIPTION	T	SUPPLIER/MANUFACTURER-DATA	LOCATION	UN- QTY-ON	UNIT	ORDER AC	SYSTEM	S R
					VEN-TO LI PART-NUMBER	S A-F-UN IS	HAHD	PRICE	POINT CD	COMPONENT-ID	S U

94-40-0000 1611 TRAVELING WATER SCREENS

IN71150T5C-601B

CONTINUED

94-40-0059											
94-40-0102	7		BEARING ROLLER, LOW SPEED PINION #49 PART OF		5415 16 0323200	B WADD 65 EA	1	10.00	0 30		3 1
94-40-0103	4		BEARING ROLLER, LOW SPEED PINION #50 PART OF		5415 16 0324046	B WADD 65 EA	1	10.00	0 30		3 1
94-40-0104	1		BEARING ROLLER, INTER SPEED PINION #51 PART OF 94-40-0059		5415 16 0223048	B WADD 65 EA	1	10.00	0 30		3 1
94-40-0105	9		BEARING ROLLER, INTER SPEED PINION #52 PART OF 94-40-0059		5415 16 0324032	B WADD 65 EA	1	10.00	0 30		3 1
94-40-0106	6		BEARING ROLLER, HIGH SPEED SHAFT #53 PART OF 94-40-0059		5415 16 53	B WADD 65 EA	1	10.00	0 30		3 1
94-40-0107	3		BEARING ROLLER, HIGH SPEED SHAFT #54 PART OF 94-40-0059		5415 16 54	B WADD 65 EA	1	10.00	0 30		3 1
94-40-0108	0		LOW SPEED GEAR #94 PART OF 94-40-0059		5415 16 94	B WADD 12 EA	1	10.00	0 30		3 1
94-40-0109	8		LOW SPEED PINION #95 PART OF 94-40-0059		5415 16 95	B WADD 65 EA	1	10.00	0 30		3 1
94-40-0110	9		FLANGE, FIBERGLASS, FULL FACE, 6" I.D.		20446 16	B 0 EA	0	61.00	1 27		3 1
94-40-0115	5		SPROCKET 6BT		5415 16 JK-1862-3-132	B C3EE 34 EA	6	2459.00	0 27		3 1
94-40-0116	2		PAKE, TRAVERSING TRASH, MOTOR PROPELLED (GUIDED) TYPE 3C-F		32503 16	B 0 EA	0	966.00	0 27		3 1
94-40-0117	0		VALVE, AUTOMATIC BALL DRIP, 1", BRONZE FIG. #1865		5415 16 1865	B E180 9 EA	5	196.00	3 27		3 1
94-40-0118	7		ROOT CASTING		15908 16 85X2-1	B C3EE 12 EA	1	455.00	0 27		3 1
94-40-0119	4		BOOT CASTING		15908 16 85X2-2	B 0 EA	0	455.00	0 27		3 1
94-40-0120	5		COUNTER SUBM, STAINLESS STEEL 5/8"-11MX3/4"		27162 16	B 0 EA	0	1.20	0 27		6 1
94-40-0121	2		BOLT, S.S. COUNTERDRUM, 5/8"-11MX3-1/4"		27162 16	B 0 EA	0	4.00	0 27		6 1
94-40-0122	0		NUT, S.S. 5/8"-11MX		27162 16	B 0 EA	0	.52	0 27		6 1
94-40-0123	7		WASHER, FLAT, S.S. 5/8"		27162 16	B 0 EA	0	.15	0 27		6 1
94-40-0125	1		RUBBER, SIDES N/BULB (SOLID) 1/2X4-1/2X1-3/4" WITH 1" BULB X 9" LONG.		42508 16	B 0 EA	0	318.00	0 27		6 1
94-40-0126	9		RUBBER, FLAT 1/2X3X17" LONG, SOLID, NO HOLES		42508 16	B 0 EA	0	51.00	0 27		6 1
94-40-0127	6		STUD, 3/4X2-1/4" S.S., SET OF 18, HEX HEAD		15908 16 126733-181	B WADD 48 ST	1	39.00	0 27		3 1
94-40-0128	3		NUT, HEX, 3/4" S.S. SET OF 18		15908 16 126732-8	B WADD 48 ST	1	13.00	0 27		3 1

94-40-0000 1411 SPARE PARTS T TO V

94-40-0000 (51) TRAVELING SCREENS

STORES-NO.	C	D	CATALOG DESCRIPTION	Y	SUPPLIER/MANUFACTURER-DATA	VEN-MO	LI	PART-NUMBER	LOCATION	UN	QTY-ON	HAND	UNIT	ORDER	AC	SYSTEM	S	R
									S	A-R	BN	IS	PRICE	POINT	ED	COMPONENT-ID		
94-40-0000			1611 TRAVELING WATER SCREENS													1N71150TSC-0010		
94-40-0067			6 PLATE, SEAL STAINLESS STEEL 499-30-3			5415	32	JK1862-3-100	D	51F04	EA	8	36.00		5	30		3
94-40-0068			3 REGULATOR, PRESSURE			5415	16	SK1862-56-16	B	D2F0	92	EA	880.00		0	30		3
94-40-0069			0 SCREEN, CAP FOR TOOTH INSERTS			5415	32	126-781-76	B	D2F0	60	EA	1.00		12	30		3
94-40-0070			3 SENSOR, FERROHYDRETIC RESPONSIVE			5415	32	7809	B	E180	40	EA	99.00		0	30		3
94-40-0071			9 SPROCKET, DRIVE 16T			5415	32	JK1862-3-131	B	D2F0	64	EA	352.00		0	30		3
94-40-0072			6 SPROCKET, FOOTSHAFT			5415	32	JK1862-30-8	C	C3F0	80	EA	2165.00		0	30		3
94-40-0073			0 SPROCKET, FOOTSHAFT			5415	16	JK1862-30-9 JK1862-	B	C300	16	EA	2716.50		0	30		3
94-40-0074			0 SPROCKET, IDLER, 12T			5415	32	JK 1862-58-4	B	D2F0	64	EA	359.00		2	30		3
94-40-0075			8 STRAINER, TYPE Y, 2", 40 MESH MODEL			5415	32	JK 1862-56-18	B	E1C0	56	EA	192.00		0	30		3
94-40-0076			5 SWITCH, PRESSURE			5415	32	JK 1862-56-37	B	E1C0	65	EA	192.33		0	30	1N71410PS-0-770	3
94-40-0077			2 TRAY AND FISH PAN ASSEMBLIES, WITH STAINLESS STEEL CLOTH			5415	16	SK1862-32-0	C	C3C0	48	EA	1459.00		3	30		3
94-40-0078			0 VALVE, SOLENOID, 2"			5415	0	SEE 47-01-8075	B	DE10	0	EA	379.00		0	30		3
94-40-0079			7 VALVE, SOLENOID, 6"			5415	0	SEE 47-01-8050	B	W1C0	38	EA	1222.00		0	30		3
94-40-0080			5 HEAR PAD, SCREEN TRAY			5415	32	JK1862-31-15	B	E1C0	96	EA	11.00		3	30		3
94-40-0081			5 TRANSMITTER, LEVEL					AS 73-69-6501				EA	.01		30			
94-40-0082			2 RELAY, PRECISIOR					AS 62-41-0501				EA	.01		30			
94-40-0083			0 VALVE, BOOSTER					AS 73-89-6502				EA	.01		30			
94-40-0084			7 GAUGE, RECIRC					AS 72-57-0001				EA	.01		30			
94-40-0085			4 FLUID COUPLING			5415	0	17.75 FF -JK1862	B	00	0	EA	4046.00		0	30		6

CON'TAINED

LINE SPEC-NO. DRAWING-NO. TECH-MANUAL-NO.
1011 SEE 7 RELIAB. RPT#6

94-40-0086			1 PLUG, FUSIBLE, FOR FLUID COUPLING			5415	0		B	C3F0	32	EA	15.00		2	30		3
94-40-0087			9 WASHER, FOR FLUID COUPLING			5415	0		B	C1E0	32	EA	1.45		4	30		3
94-40-0088			6 HOOD PART NO. 402 -OR MOTOR FRAME 284-6T			11086	16	7998015G06	B	WET0	15	EA	141.42		7	30		3
94-40-0089			3 FAN AND FAN CLAMP NO. 408 FOR MOTOR FRAME 284-6T			10355	0	7998013G08	B	WAV0	26	EA	52.80		10	30		3
94-40-0090			4 CHAIN TIGHTENER,RH			5415	16	JK-1862-58A	B	C3E0	53	EA	500.00		2	30		6
94-40-0091			1 CHAIN TIGHTENER,LH			5415	16	JK-1862-58A	C	C3F0	50	EA	500.00		2	30		6
94-40-0092			9 SCREEN ASSEMBLY			5415	16		B	W1F1	0	EA	700.00		0	27		6
94-40-0095			0 RETAINER 36 PART OF 94-40-0059			5415	16	1616-08	B	W400	65	EA	10.00		0	30		3
94-40-0096			8 GASKET #15 PART OF 94-40-0059			5415	16	131872	B	W400	65	EA	10.00		0	30		3
94-40-0097			5 CAP BREATHER #15 PART OF 94-40-0059			5415	16	1980902	B	W400	65	EA	10.00		0	30		3
94-40-0098			2 OIL SEAL, LOW SPEED SHAFT #45 PART OF 94-40-0059			5415	16	0319276	B	W400	65	EA	10.00		0	30		3
94-40-0099			0 OIL SEAL,HIGH SPEED SHAFT #46 PART OF 94-40-0059			5415	16	0319231	B	W400	65	EA	10.00		0	30		3
94-40-0100			2 BEARING ROLLER,LOW SPEED SHAFT #47 PART OF 94-40-0059			5415	16	0323118	B	W400	65	EA	10.00		0	30		3
94-40-0101			0 BEARING ROLLER,LOW SPEED SHAFT #48 PART OF 94-40-0059			5415	16	0323059	B	W400	65	EA	10.00		0	30		3

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES)

Thermal Discharge And Material
Storage Area Supplement For
Application Form C

(Attach to Application Form)

1. Thermal Discharges

Does the temperature of any of the discharges from this facility exceed
70°F. at any time? YES NO

If yes, attach the following information, and specify which outfall(s) it relates
to: See Attached Exhibits F and G.

- a) Range of measured discharge temperatures
- b) Maximum discharge temperature
- c) Discharge configuration (that is, whether surface, subsurface, effluent
diffuser, etc.)
- d) Chemical additives utilized (also see Section 4 on Form C)

2. Material Storage Areas

Is storm runoff or leachate from any material storage area (such as: coal
piles, raw material or finished product stockpiles, etc.) discharged to either
surface waters or groundwaters? YES NO

If "yes", please attach a brief description of types and quantities of
materials stored, size of storage area, etc., and show its location and the
location of any discharge points on the map required by Section 6 of Form C.

EXHIBIT F

THERMAL DISCHARGE SUPPLEMENT

Data reported below is for Outfall 001 for the period August 1987 through September 1991.

- 1a. Discharge Temperature Range (°F): 41.0° - 75.0°
- 1b. Maximum Discharge Temperature (°F):
 Summer - 75.0°
 Winter - 53.6°
- 1c. The plant utilizes once through cooling water. The discharge configuration is subsurface through an effluent diffuser system.
- 1d. The once through cooling water is treated with sodium hypochlorite to control biofouling.

Shoreham
NY0026344
1992

EXHIBIT G

THERMAL DISCHARGE SUPPLEMENT

Data reported below is for Outfall 004 for the period August 1987 through September 1991.

- 1a. Discharge Temperature Range (°F): 58° -107°
- 1b. Maximum Discharge Temperature (°F):
 - Summer - 107.0°
 - Winter - 88.0°
- 1c. The plant utilizes once through, non-contact cooling water. The discharge configuration for Outfall 004 is surface.
- 1d. No chemical additives are added to the once through, non-contact cooling water.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
State Pollutant Discharge Elimination System (SPDES)

RENEWAL NOTICE



Thomas C. Jorling
Commissioner

FORM: 2B,2C,2D,2E
DATE OF NOTICE
OCT 15 1991

Owner ID: _____
DEC Number: _____ / _____
Application Due By: 2 / 3 / 92

Are these labels correct? If not, see Item 3 below.

Permittee Contact Name, Title, Address	Facility Name, Location, Permit No., Expiration Date
445 Broad Hollow Road	AMERICAN... SUFFERN... SUFFERN... SUFFERN... SUFFERN... SUFFERN...

- Enclosed you will find a series of forms that comprise a complete application package for your wastewater discharge. The completed application forms must be received 180 days (see "APPLICATION DUE BY" date above) prior to the existing permit expiration date or the commencement of a discharge. A number of forms, rather than a single form, is necessitated by the complexities of the program including both Federal and State jurisdictions. 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.
- If you have any questions regarding the filing of your application, please contact the office where the application should be filed - refer to enclosed list of "Filing Locations."
- If any of the information on the labels affixed above is incorrect, please write the corrections on the labels. In all cases, return this notice (or a corrected copy) with the completed application.

ATTACHMENTS

Application Form 1 - Form 1 provides general information about the applicant. Instructions are included in the application booklet. Also refer to New York State Supplemental Instructions.

The following application forms request detailed information necessary for preparation of a SPDES permit. The instructions in the book containing the forms require careful reading. Also refer to New York Supplemental Instructions.

- Form 2B Concentrated Animal Feeding Operations and Aquatic Animal Production Facilities
- Form 2C Existing Manufacturing, Commercial, Mining and Silvicultural Operations
- Form 2D New Manufacturing, Commercial, Mining and Silvicultural Operations
- Form 2E Facilities which do not Discharge Process Wastewater

Application Fee Schedule and Filing Locations for SPDES Permit Applications

New York Industrial Chemical Survey - This form was developed by NYS and provides information on the use of Substances of Concern. This information complements the sampling information required in forms 2B, 2C, 2D, & 2E, and provides an information base for determining the potential for discharges of Substances of Concern.

Application Supplement for specific industries - For many industries, detailed production information is required to develop production based effluent limits. When possible, NYS has developed supplements that enable us to obtain the information easily and accurately.

New York Supplemental Instructions - Supplemental Instructions are necessary for NYS to adopt EPA forms 1, 2B, 2C, 2D, & 2E for state use. The supplemental instructions selectively supercede or supplement instructions accompanying the EPA forms.

CC: Region 1 - Regional Permit Administrator
Region 1 - Regional Water Engineer
Nassau County Health Department
Suffolk County Department of Health Services
Erie County Dept. of Environment & Planning

PLEASE SUBMIT 5 COPIES of your completed application. Refer to the enclosed list of the Department's "Filing Locations"

NYS, EC SUPPLEMENTAL INSTRUCTIONS - ATTACHMENT

Your SPDES permit, when issued, may require you to periodically submit a Discharge Monitoring Report (DMR). The reports must be signed as follows:

1. for a corporation: by a responsible corporate officer. For the purposes of this section, a responsible corporate officer means:

(i) a president, secretary, treasurer, or a vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making function for the corporation, or

(ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures; or

2. for a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

3. for a municipality, state, federal, or other public agency: by either a principal or executive officer or ranking elected official. A principal executive officer of a federal agency includes: (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency; or

4. a duly authorized representative of the person described in items (1), (2) or (3). A person is a duly authorized representative only if:

(i) the authorization is made in writing by a person described in paragraph (1), (2) or (3);

(ii) the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position).

(iii) the written authorization is submitted to the Department.

Changes to authorization: If an authorization under paragraph (4) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (4) must be submitted to the Department prior to or together with any reports to be signed by an authorized representative.

THE TABLE BELOW MUST BE COMPLETED AND FILED WITH YOUR APPLICATION. The person identified on the first line will be listed in Part I of the issued permit under the DMR MAILING ADDRESS section and must be a person described in paragraph (1), (2), (3) or (4). The table may be used to designate an authorized representative as described in paragraph (4).

THE APPLICANT MUST NOTIFY THE DEPARTMENT OF ANY CHANGE IN THIS INFORMATION DURING THE LIFE OF THE PERMIT.

Name and/or Title of person responsible for submitting submitting DMR's:		Phone:	
Madison N. Milhous, PE Mgr., Env. Eng. Dept.		(516) 391-6133	
Mailing Name:			
Long Island Lighting Company			
Mailing Address:	City:	State:	Zip Code:
445 Broadhollow Road	Melville	NY	11747
Name of person described in paragraph (1), (2) or (3):		Title:	
Leonard J. Calone		Plant Manager	
Signature of person described in paragraph (1), (2), or (3):		Date:	
<i>Leonard J. Calone</i>		1/10/92	

Failure to submit this completed page with your application will result in your application being declared incomplete. This will delay issuance of your permit and authorization to discharge.



LONG ISLAND LIGHTING COMPANY

EXECUTIVE OFFICES: 175 EAST OLD COUNTRY ROAD • HICKSVILLE, NEW YORK 11801

January 7, 1992

VPN092-06

Mr. David DeRidder
Deputy Regional Permit Administrator
New York State Department
of Environmental Conservation
SUNY Building 40, Room 219
Stony Brook, NY 11794

Dear Mr. DeRidder:

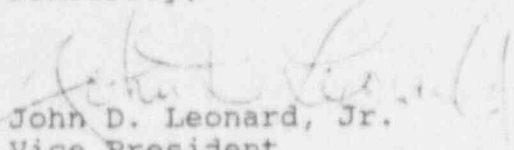
This letter serves to designate the position of Plant Manager, Shoreham Nuclear Power Station, as authorized to sign the Discharge Monitoring Reports for the following Long Island Lighting Company Facility:

Shoreham Nuclear Power Station - NY0026344

Mr. Leonard J. Calone currently holds the position of Plant Manager and will be signing the Discharge Monitoring Reports on a monthly basis.

If you should have any questions, please contact Ms. Cathy Waxman at (516) 391-6629.

Sincerely,



John D. Leonard, Jr.
Vice President
Office of Corporate Services and
Office of Nuclear

CW/rr