U-600909
L30-87(04-21)-L
1A.120

ILLINOIS POWER COMPANY

CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILLINOIS 61727

April 21, 1987

Docket No. 50-461

Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Subject: Clinton Power Station
Environmental Protection Plan

Dear Sir:

In accordance with Section 3.2 of the Environmental Protection Plan (EPP) for Clinton Power Station, attached is a copy of a proposed modification to the National Pollutant Discharge Elimination System (NPDES) permit. Please contact me if you have any questions on this submittal.

Sincerely yours,

F. A. Spangenberg
Manager - Licensing and Safety

DWW/ckc

Attachment

cc: B. L. Siegel, NRC Clinton Licensing Project Manager
NRC Resident Office
Regional Administrator, Region III, USNRC
Illinois Department of Nuclear Safety

IE25
1/1

0600301
L04-87(04-21)-L
8F.120

ILLINOIS POWER COMPANY

500 SOUTH 27TH STREET, DECATUR, ILLINOIS 62525-1805

April 21, 1987

Mr. Timothy R. Kluge
Illinois Environmental Protection Agency
Division of Water Pollution Control
Industrial Permitting Unit
2200 Churchill Road
Springfield, Illinois 62706

Dear Mr. Kluge:

Clinton Power Station
Application to Modify NPDES Permit IL0036919

In accordance with the requirements of Section 309.154 of the rules and regulations of the Illinois Pollution Control Board (IPCB), Illinois Power is pleased to submit two completed copies of Form 1 and Form 2C to modify the referenced permit. Modification is requested to authorize (1) a new intermittent discharge of noncontact cooling water from a waste solidification unit in the radwaste treatment system to the transformer area oil/water separator (outfall 004) and (2) several existing miscellaneous intermittent wastewater discharges from the screenhouse to Clinton Lake. Detailed information on the nature of these discharges is set forth in the enclosed forms.

If you have any questions regarding the enclosed, or desire additional information from us, please contact me at 217/424-6833.

Sincerely,

ILLINOIS POWER COMPANY

Thomas L. Davis

Thomas L. Davis, P.E.
Supervisor - Environmental
Engineering

TLD17:pjs

enclosures

bc: P. J. Womeldorff - B-20 / General Files - D-05
D. P. Hall - V-275
F. A. Spangenberg/D. W. Wilson - V-920
D. W. Crone - T-33
J. W. Wilson - T-31
D. B. Sykes - T-31
W. P. Mullins - T-31
L. A. Sailer - V-920
J. L. Robinson/J. R. Hollis/CL NPDES Permit File - A-17
S. A. Zabel/M. McFawn - Schiff, Hardin & Waite
Records Management Group - T-31

Please print or type in the unshaded areas only (fill–in areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved. OMB No. 2000-0474. Approval expires 4-30-85

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

F		T/A	D

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	YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	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 any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X		J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP CLINTON NUCLEAR POWER STATION

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2 THOMAS L. DAVIS SUPV-ENV.ENG.	217 424 6833

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 500 SOUTH 27th STREET

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 DECATUR	IL	62525

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 R.R.3, P.O. BOX 228

B. COUNTY NAME

DEWITT

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
6 CLINTON	IL	61727	

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

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

A. FIRST	B. SECOND
4931 (specify) Generation of Electricity	(specify)

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

VIII. OPERATOR INFORMATION

A. NAME: ILLINOIS POWER COMPANY

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

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

P (specify) Electric Utility

D. PHONE (area code & no.): A 217 424 6833

E. STREET OR P.O. BOX: 500 SOUTH 27th STREET

F. CITY OR TOWN: DECATUR

G. STATE: IL

H. ZIP CODE: 62525

IX. INDIAN LAND

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

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions from Proposed Sources)
9 N IL0036919	9 P N/A
B. UIC (Underground Injection of Fluids)	**E. OTHER (specify)**
9 U N/A	9 N/A (specify)
C. RCRA (Hazardous Wastes)	**E. OTHER (specify)**
9 R N/A	9 N/A (specify)

XI. MAP

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

XII. NATURE OF BUSINESS (provide a brief description)

The Clinton Nuclear Power Station is a nuclear-fueled steam-electric generating facility containing one boiling water reactor and one steam turbine generator with a maximum generating capacity of 933MW (net).

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
Jene L. Robinson Manager of Environmental Affairs	Jene L Robinson	4/21/87

COMMENTS FOR OFFICIAL USE ONLY

C

EPA Form 3510-1 (Rev. 10-80) Reverse

Please print or type in the unsharted areas only.

EPA I.D. NUMBER (copy from Item 1 of Form 1)
IL0036919

FORM 2C NPDES

EPA

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.	
004	40	10	26	88	50	13	Clinton Lake
009	40	10	23	88	50	13	Clinton Lake (New Discharge)

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

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

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

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT	
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1
004	Transformer Area Oil/ Water Separator Discharge (New contributory waste stream: Cooling Water Discharge)	0.0gpm	875gpm (max) Radwaste Solidification Equipment Noncontact	
009	Miscellaneous Screenhouse Discharge (Existing discharges not previously permitted)	0.0gpm	620gpm (max) Oil/Water Separation	

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 a. DAYS PER WEEK *(specify average)*	3. FREQUENCY b. MONTHS PER YEAR *(specify average)*	4. FLOW a. FLOW RATE *(in mgd)* 1. LONG TERM AVERAGE	4. FLOW a. FLOW RATE *(in mgd)* 2. MAXIMUM DAILY	4. FLOW b. TOTAL VOLUME *(specify with units)* 1. LONG TERM AVERAGE	4. FLOW b. TOTAL VOLUME *(specify with units)* 2. MAXIMUM DAILY	4. FLOW c. DURATION *(in days)*
004	Radwaste Solidification Noncontact Cooling Water Discharge (New Contributory Stream)	7	6	0.0011	0.0043	1100gal	4300gal	
009	Miscellaneous Screenhouse Discharge (existing discharges not previously permitted)	See attached sheet for a description of the nature of these discharges.						

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

XX YES *(complete Item III-B)* ☐ NO *(to 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)* X 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 a. QUANTITY PER DAY	1. AVERAGE DAILY PRODUCTION b. UNITS OF MEASURE	1. AVERAGE DAILY PRODUCTION c. OPERATION, PRODUCT, MATERIAL, ETC. *(specify)*	2. AFFECTED OUTFALLS *(list outfall numbers)*

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 wastewater 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)* XX NO *(go to Item IV-B)*

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS a. NO.	2. AFFECTED OUTFALLS b. SOURCE OF DISCHARGE	3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE a. REQUIRED	4. FINAL COMPLIANCE DATE b. PROJECTED

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

EPA Form 3510-2C (Rev. 4-84) PAGE 2 OF 4 CONTINUE ON PAGE 3

Illinois Power Company
Decatur, Illinois

Form 2C

II. Flows, Sources of Pollution, and Treatment Technologies; Section B

Outfall 004: Transformer Area Oil Water Separator

Machine Shop Area Floor Drains:	Intermittent
Paint Storage Room Floor Drains:	Intermittent
Oil Tank Area and Turbine Oil Transfer Pump Area Drains:	Intermittent
Transformer Area Drains:	Intermittent
Radwaste Solidification Equipment Noncontact Cooling Water Discharge:	0.75gpm (avg), 3.00gpm (max)

Outfall 009: Miscellaneous Screen House Discharges

Shutdown Service Water Pump Room 1A:	2 sump pumps @ 50gpm each (max)
Shutdown Service Water Pump Room 1B:	2 sump pumps @ 50gpm each (max)
Shutdown Service Water Pump Room 1C:	2 sump pumps @ 50gpm each (max)
Circulating Water Valve Pit Sump:	2 sump pumps @ 80gpm each (max)
Circulating Water Pipe Tunnel Drain Sump:	2 sump pumps @ 80gpm each (max)
	620gpm (max)

II. Flows, Sources of Pollution, and Treatment Technologies; Section C

Miscellaneous screenhouse discharges are intermittent in frequency and highly variable in magnitude. Discharges from the shutdown service water (SSW) pump room sumps occur only when the SSW pumps are run (once quarterly for surveillance testing purposes). During pump runs, pump seal water and condensation will drain to the sump after first flowing through an oil/water separator.

Discharges from the circulating water valve pit sump consist of drainage from various floor drains inside the screenhouse. These floor drains collect leakage from service water pumps and associated equipment components. Floor drainage waters flow through an oil/water separator before discharge to the sump. As the valve pit sump is located outside the screenhouse, the pit also receives stormwater. The frequency and magnitude of discharges from this sump are, therefore, highly influenced by precipitation events.

Discharges from the circulating water pipe tunnel drain sump consist essentially of drainage from the pipe tunnel and miscellaneous floor drains from the screenhouse.

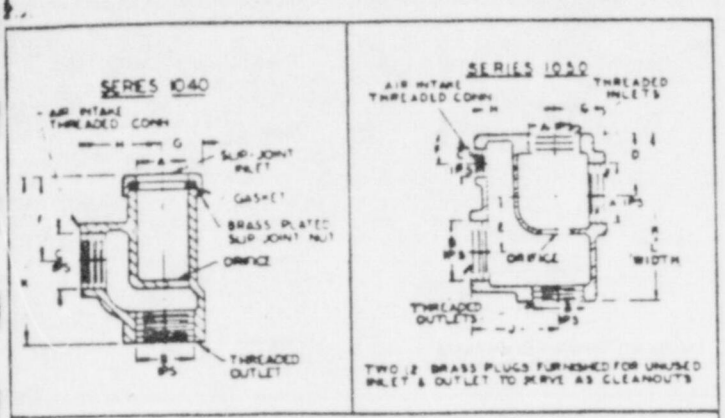
All discharges from the sumps described above are to Clinton Lake in the area of the screenhouse.

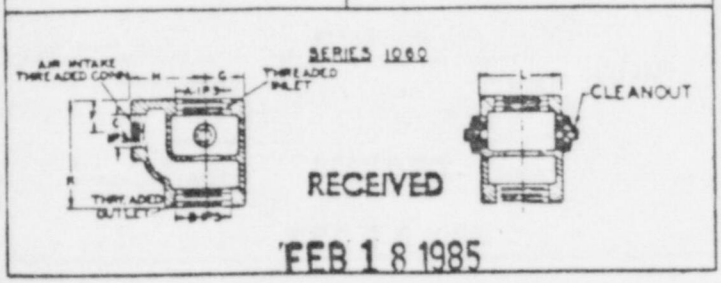
See Attachment nos. 1 and 2.

Interceptors

FLOW CONTROL FITTINGS

Flow control fittings are furnished at no extra cost with all Josam Semi Automatic and Conventional type Grease or Oil Interceptors. These devices govern flow rate to the interceptor being used, thereby assuring the maximum retention of the material being intercepted.





FLOW CONTROL FITTINGS

Essential to Achieving Maximum Efficiency

One of the flow control fittings illustrated on this page will be shipped with every Josam Grease or Oil Interceptor. They were designed after many years of tests and field experiments with interceptor installations under varying conditions and insure 90% or more grease or oil retention efficiency of the interceptor. When consideration isn't given to the flow rate of the waste water to be handled, generally the actual flow rate through the interceptor exceeds its rated maximum. With such flow rate, the interceptor would be overloaded. Retention time within the unit would not be sufficient for maximum separation. The result would be low efficiency, and pollutants left in the waste water would pass through the interceptor, making the installation less than effective. When the flow is controlled by use of a Josam flow control fitting so that it can never exceed the maximum rating of the interceptor, and the interceptor is cleaned on a regular basis, the maximum pollutant retention efficiency will be achieved and maintained.

All flow controls are provided with an **air intake** and should be connected to vent stack or vent not lower than the flow level of highest drain serviced or terminated in a return bend at the same elevation outside of building.

Type	Dimensions In Inches											LBS.
	A	B	C	D	E	F	G	H	J	K	L	
1041 ½	1½	2	¾	—	—	1⅞	1⅝	2½	—	3¾	—	2
1052	2	2	1¼	2½	2	1½	2	3¼	3⅜	6½	3	7
1053	3	3	1½	3	2½	1⅞	2⅝	4½	4½	8⅝	4¼	14
1054	4	4	2½	3⅜	4½	1⅞	4¼	6½	6⅞	12	6⅞	52
1055	5	5	2½	3⅜	4½	1⅞	4¼	6½	6⅞	12	6⅞	54
1056	6	6	3	4⅜	5½	2½	4⅜	7⅜	8	14¼	8	85
1062	2	2	1¼	—	—	1½	1½	2¾	—	4	3	4
1063	3	3	1½	—	—	1¼	2½	3¾	—	6	4½	8

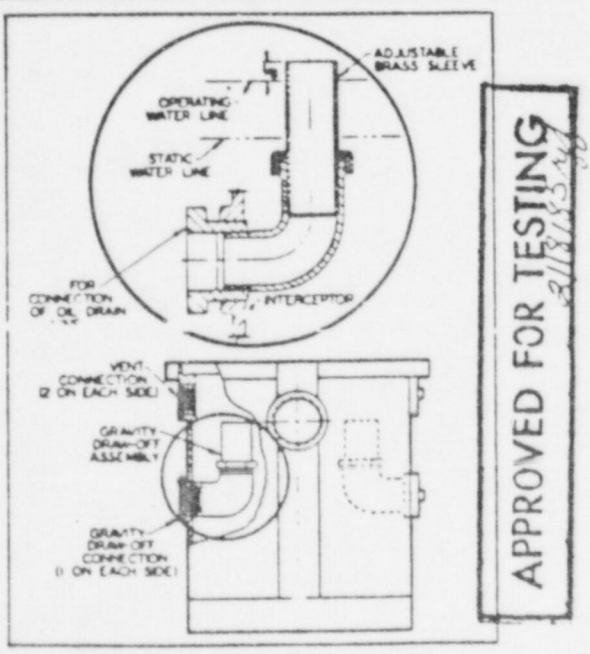
INTERCEPTOR — FLOW CONTROL

This table indicates which series flow control is furnished with the Josam interceptors shown.

Interceptor Series	Flow Control Series	Interceptor Series	Flow Control Series	Interceptor Series	Flow Control Series
JA	*1060	JHR	*1060	GA	1050
JAR	*1060	JHX	*1060	GRC	1050
JAT	*1060	JLA	1060	GX	1050
JH	*1060	JRC	1050		
JHL	1060	JX	*1060		

*All interceptors in this series under the size of 2 are furnished with a 1041 ½ Series Flow Control

Capacity of GX 1050 is 35gpm
SSW Pump Room Sumps



Gravity Draw-Off for Oil Interceptors

GRAVITY DRAW-OFF

Every Josam Oil Interceptor is equipped with an internal gravity draw-off assembly having an adjustable skimmer tube and a threaded pipe connection through the side wall of interceptor body. This assembly can be mounted on either side to accommodate installation arrangement. The piping to oil storage tank is connected to the draw-off. Typical installations are shown on this and the following pages for reference.

SETTING THE GRAVITY DRAW-OFF TUBE

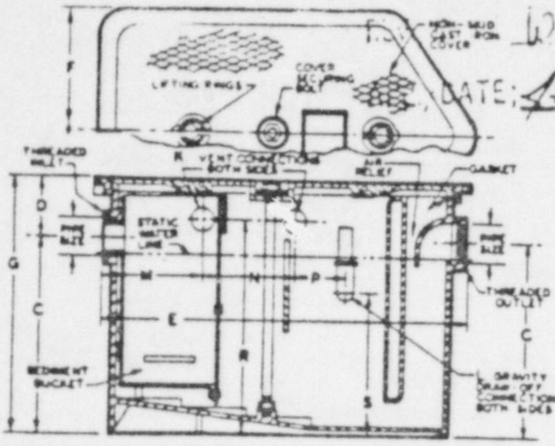
After interceptor is completely installed and ready for operation, run clean water through the unit at the anticipated operational flow rate and mark the operating water level. Set skimmer tube with top 1/8" above operating water level (see illustration). During normal operation a film of oil will be on the water surface with all excess oil skimmed and drawn-off to storage facility. When the tube is properly set, water will not be drawn off with oil.

Attachment 2

ILL. POWER CO.
NCLR. STATION ENGR. DEPT.
[illegible signature] 7-14-87
FPR 2979
WSL [illegible] 7/14/87
DATE: *[illegible] 7-22*

OIL INTERCEPTORS SERIES GA

SPECIFICATION: [illegible] GA SERIES COATED CAST IRON OIL INTERCEPTOR [illegible] FLOOR TYPE WITH [illegible] THREADED CONNECTIONS [illegible] REMOVABLE BAFFLE [illegible] SEDIMENT BUCKET [illegible] GRAVITY DRAW-OFF [illegible] TWO VENT CONNECTIONS ON EACH SIDE, GASKETED [illegible] FLOW CONTROL [illegible]



SERIES No.	TYPE No.	PIPE SIZE	PAINTED CAST IRON
GA	GA-10	2	$ 455.00
	GA-20	2	624.00
	GA-30	3●	754.00
	GA-40	3●	819.00
	GA-50	3●	995.00
	GA-60	3●	1,339.00

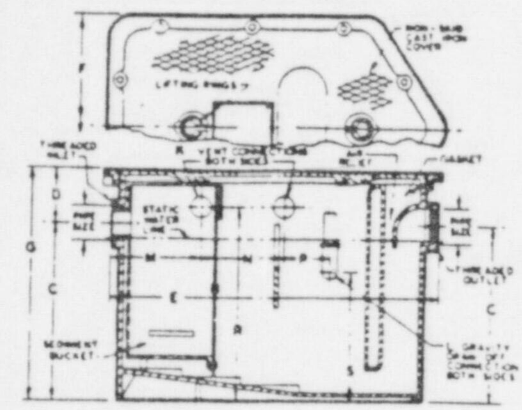
OPTIONS
●(-62) 4" Inlet and Outlet on 3" Sizes, No Add

FLOW CONTROL AS LISTED FURNISHED AS STANDARD EQUIPMENT

TYPE	FLOW RATE G.P.M.	PIPE SIZE	ROUGHING CENTERS C	ROUGHING CENTERS D	LENGTH E	WIDTH F	HEIGHT G	VENTS K	DRAW-OFF L	VENT & DRAW-OFF ROUGHING M	N	P	R	S	LBS.	FLOW CONTROL
GA-10	10	2	8½	3½	18½	13½	13	2	1½	6½	5½	2½	10½	6	104	1052
GA-20	15	2	11½	3½	21½	16¾	15	2	1½	5¼	7¾	0	12½	7¾	132	1052
GA-30	20	3	13	4½	24½	16½	17½	2	1½	6⅝	8	½	14½	8¾	200	1053
GA-40	25	3	14½	6	26½	17¾	18½	2	1½	6	8	2½	18	8¼	230	1053
GA-50	35	3	15½	4½	30	20¾	20½	2	1½	5½	8	3½	18	10	300	1053
GA-60	50	3	17	8	33½	22	23	2	1½	7	8	8½	20½	10¾	395	1053

OIL INTERCEPTORS SERIES GNC

SPECIFICATION: JOSAM GNC SERIES COATED STEEL OIL INTERCEPTOR HIGH VOLUME ON FLOOR OR PARTIALLY RECESSED TYPE WITH [illegible] INCH THREADED CONNECTIONS, CASCADE BOTTOM, DOUBLE WALL TRAP, REMOVABLE BAFFLE, AND SEDIMENT BUCKET, ADJUSTABLE GRAVITY DRAW-OFF EITHER SIDE, TWO VENT CONNECTION ON EACH SIDE, GASKETED NON-SKID COVER AND FLOW CONTROL FITTING.



SERIES No.	TYPE No.	PIPE SIZE	Painted Steel	PAINTED STEEL WITH (-601) Anchor Flange	PAINTED STEEL WITH (-61) Flange And Clamp Device
GNC	GNC-110	3	$2,158.00	$2,318.00	$2,449.00
	GNC-120	4	2,340.00	2,519.00	2,665.00
	GNC-130	4	2,899.00	3,149.00	3,302.00
	GNC-140	5	4,095.00	4,363.00	4,566.00
	GNC-150	5	4,745.00	5,104.00	5,356.00
	GNC-160	6	5,993.00	6,445.00	6,752.00
	GNC-170	6	8,710.00	9,348.00	9,614.00

For Inlet and Outlet One Size Larger: Price On Application
OPTIONS
(-601) Anchor Flange, See Above
(-61) Flashing Flange and Clamp Device, See Above

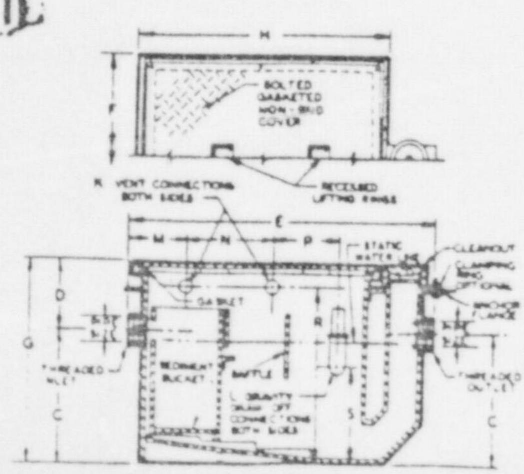
GNC 160 & GNC 170 FURNISHED WITH 2 PIECE COVER.
FLOW CONTROL AS LISTED FURNISHED AS STANDARD EQUIPMENT.

TYPE	FLOW RATE G.P.M.	PIPE SIZE	ROUGHING CENTERS C	ROUGHING CENTERS D	LENGTH E	WIDTH F	HEIGHT G	COVER H	VENTS K	DRAW-OFF L	VENT & DRAW-OFF ROUGHING M	N	P	R	S	LBS.	FLOW CONTROL
GNC-110	75	3	21	8	[illegible]	31	29	41	2	2	8¼	12½	10¼	25	22½	450	1053
GNC-120	100	4	23	8	54	38	31	47	2	2	9½	14½	12½	29	20¾	575	1064
GNC-130	150	4	27	10	60	39	37	53	2	2	10½	16½	14½	34	20¼	750	1054
GNC-140	200	5	31½	17½	67	42	49	58	2½	2½	11½	18½	18	43	[illegible]	1200	[illegible]
GNC-150	250	5	[illegible]	[illegible]	72	46	56	63	2½	2½	12½	[illegible]	17½	[illegible]	[illegible]	1475	[illegible]
GNC-160	300	6	[illegible]	[illegible]	[illegible]	[illegible]	55	75	2½	2½	13½	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GNC-170	500	6	[illegible]	29½	84	38¼	70	[illegible]	2½	2½	16	27	23	[illegible]	[illegible]	2575	[illegible]

Circulating Water Pipe Tunnel "Drain" Sump
Circulating Water Valve Pit Sump
150 gpm capacity

OIL INTERCEPTORS SERIES GRC

SPECIFICATION: JOSAM GRC SERIES COATED STEEL OIL INTERCEPTOR HIGH VOLUME ON FLOOR PARTIALLY RECESSED OR FLUSH WITH FLOOR TYPE WITH [illegible] GPM RATING, [illegible] INCH THREADED CONNECTIONS, CASCADE BOTTOM, VISIBLE DOUBLE WALL TRAP, REMOVABLE BAFFLE AND SEDIMENT BUCKET, ADJUSTABLE GRAVITY DRAW-OFF EITHER SIDE, TWO VENT CONNECTIONS ON EACH SIDE, GASKETED NON-SKID COVER AND FLOW CONTROL FITTING.



SERIES No.	TYPE No.	PIPE SIZE	Painted Steel	#(-41) Integral Extended Top — Ea Add'l Inch Add	PAINTED STEEL WITH (-601) Anchor Flange	PAINTED STEEL WITH (-61) Flange And Clamp Device
GRC	GRC-110	3	$2,470.00	$22.00	$2,630.00	$2,671.00
	GRC-120	4	2,730.00	23.00	2,909.00	3,055.00
	GRC-130	4	3,250.00	27.00	3,500.00	3,653.00
	GRC-140	5	4,420.00	P.O.A.	4,688.00	4,891.00
	GRC-150	5	5,395.00	P.O.A.	5,754.00	6,006.00
	GRC-160	6	7,163.00	P.O.A.	7,615.00	7,922.00
	GRC-170	6	9,163.00	P.O.A.	9,703.00	10,069.00

For Inlet and Outlet One Size Larger: Price On Application
OPTIONS
(-41) Integral Extended Top (Specify "D" Dimension), See Above
(-60) Anchor Flange, See Above
(-61) Flashing Flange and Clamp Device, See Above
#SEPARATE EXTENSION NOT AVAILABLE

TYPE	FLOW RATE G.P.M.	PIPE SIZE	ROUGHING CENTERS C	ROUGHING CENTERS D	LENGTH E	WIDTH F	HEIGHT G	COVER H	VENTS K	DRAW-OFF L	VENT & DRAW-OFF ROUGHING M	N	P	R	S	LBS.	FLOW CONTROL
GRC-10	75	3	21	[illegible]	[illegible]	31	[illegible]	41	2	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GRC-20	100	4	23	[illegible]	54	35	[illegible]	47	2	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GRC-30	150	4	27	[illegible]	60	39	[illegible]	53	2	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GRC-40	200	5	[illegible]	[illegible]	67	42	48	58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GRC-50	250	5	[illegible]	[illegible]	72	46	56	63	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GRC-60	300	6	[illegible]	[illegible]	[illegible]	[illegible]	55	75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

EPA I.D. NUMBER (copy from Item 1 of Form 1)
IL0036919

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-9.

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

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
No toxic pollutant or hazardous substance identified in Table 2C-3 is believed to be present in these discharges (or any other) from the station.			

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)*

An inventory of hazardous substances and hazardous materials typically found at IPC power plants is summarized on Attachment #3. It is not likely that any priority pollutant, to the extent they exist in the substances and materials identified in Attachment #3, would ever be present in the solidification equipment cooling water and screenhouse discharges.

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CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

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

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)

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)	B. PHONE NO. (area code & no.)
Jene L. Robinson - Manager of Environmental Affairs	217/424-6834
C. SIGNATURE: Jene L Robinson	D. DATE SIGNED: 4/21/87

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Attachment 3

Hazardous Materials	Department Code
carbon dioxide, solid	1
carbon remover, liquid	1
carbon tetrachloride	1 & 2
cement, container, linoleum, tile or wallboard liquid	1
cement, liquid	1
cement, roofing, liquid	1
cement, rubber	1 & 3
charcoal, activated	1 & 3
charcoal briquettes	1
chlorate	1
chlorine	1
chloroform	1
chromic acid solution	1
cigar and cigarette lighter fluid	3
cigarette lighter (or other similar ignition device	3
coal, ground bituminous, sea coal, coal facings, etc.	1
coating solution	2
compound, cleaning liquid	1 & 3
compound, lacquer, paint or varnish, removing, reducing or thinning, liquid	1 & 3
compound, rust preventing or rust removing	1 & 3
compound, tree or weed killing liquid	1 & 3
compressed gas	1 2 & 3
corrosive liquid	1 & 3
creosote, coal tar	3
crude oil, petroleum	3
cupric sulfate	1 & 2
2,4-D	2 3 & 4
denatured alcohol	3
dicamba	2
dimethylamine	1
disinfectant, liquid	1
dry ice	3
electrolyte (acid) battery fluid	1
engine starting fluid	1 & 3
ethanol amine dinitrate	3
ether (ethyl)	1
ethyl mercaptan	4
ethylene diamine tetra acetic acid (EDTA)	1
ethylene glycol diethyl ether	2
ethylene glycol dinitrate	3
excelsior (shredded wood)	1
explosive power device, Class B	2
ferric chloride solution	1
fire extinguisher	1 2 & 3
fire extinguisher charge containing sulfuric acid	1 & 3

Hazardous Materials	Department Code
flammable liquid	1 & 3
flammable solid	3
formaldehyde	1
formic acid or formic acid solution	1
fuel oil	1 2 & 3
fuses, safety	3
gas drips, hydrocarbon	1 2 & 3
gasohol	2
gasoline	2 3 & 4
hazardous substance, liquid or solid	1 2 & 3
hazardous waste, liquid or solid	1 2 & 3
helium	1
hexane	1
hydrazine, aqueous solution	1
hydrobromic acid, more than 49% strength	1
hydrocarbon gas, liquified	2 & 3
hydrocarbon gas, non-liquified	3
hydrochloric acid mixture	1 & 3
hydrochloric acid solution, inhibited	1
hydrofluoric acid	1
hydrogen	1
hydrogen, liquified	1
hydrogen peroxide solution	1
hydrogen sulfide	1
hypochlorite solution	1
ink	1
insecticide, dry	1 & 3
insecticide, wet	1 & 3
kerosene	2 & 3
lacquer	2
lacquer base or lacquer chips, plastic (wet with alcohol or solvent)	1
lighter fluid	1 & 3
liquified petroleum gas	1 & 3
matches, strike anywhere	1 & 3
medicines	3
mercaptan mixture	1
mercaptan mixture, aliphatic	1 2 3 & 4
mercuric chloride, solid	1
mercury, metallic	1 & 3
methane	3 & 4
methanol	3 & 4
methyl alcohol	1 & 4
methyl mercaptan	4
monbethanolamine	3
morpholine	1
motor fuel	1 2 3 & 4
naptha	1
naptha, distillate	1

Hazardous Materials	Department Code
naptha, solvent	1
natural gas	3
nitric acid	1
nitrogen	1 2 & 3
nitrogen, pressurized liquid	1
nonliquified carbon gas	1
oil	1 2 & 3
oiled material	1
organic phosphate mixture or liquid	1
oxygen	1 & 3
oxygen, pressurized liquid	1
paint dryer, liquid	1
paint, enamel, lacquer, stain, shellac or varnish, aluminum, bronze, gold, wood filler or lacquer base, liquid	1 2 & 3
paper treated with unsaturated oils, incompletely dried	4
paper waste	3
pentachlorophenol	2
perchloric acid	1
permanganate	1
pesticide, liquid	3
petroleum coke	1 & 2
petroleum distillate	1 & 3
petroleum ether	1
petroleum gases, liquid	3
petroleum oil	4
petroleum spirits	3
phenoxy pesticide	2
phosphoric acid	1
phosphorus, amorphous, red	1
phosphorus, white or yellow, dry	1
phosphorus, white or yellow, wet	1
plastic solvent	1
poisonous liquid or gas	1 & 3
polish, metal, stove, furniture or wood liquid	1
polychlorinated biphenyls	1 & 2
potassium fluoride	1
potassium fluoride solution	1
potassium hydroxide, liquid or solution	1
propane	3
pyridine	1
radioactive material, fissile	1
radioactive material, low specific activity	1
radioactive material	1
radioactive material, limited quantity	1
radioactive material, special form	1
rags, oily	1 2 & 3
rags, wet	3

Hazardous Materials	Department Code
refrigerant gases	3
refrigerating machine	2 & 3
road oil	1
sodium aluminate, solid or solution	1
sodium arsenite (solution) liquid	1
sodium chlorite	1
sodium chlorite solution (not exceeding 42% sodium chlorite)	2
sodium fluoride solution	1
sodium hydrogen sulfate, solid or solution	1
sodium hydrogen sulfate, solid	2
sodium hydroxide, dry solid, flake, bead or granular	1 & 3
sodium hydroxide, liquid or solution	1 & 3
sodium hypochlorite	1 2 & 4
sodium metabisulfite	1
sodium nitrite	1
sodium phosphate	1
solvent	1 & 3
sulfur hexafluoride	2
sulfuric acid	1
tar, liquid	2
tetrachloroethylene or perchloroethylene	1
toluene	1
trichloroacetic acid solution	1
trichloroethylene	1
turpentine	1 2 & 3
turpentine substitute	1
2,4-D	2 3 & 4
2,4,5-T	2 3 & 4
wax, liquid	2
wood shavings (when dry, clean and free from oil)	2
xylene	1
xylenol	2

Hazardous Substances Used by IPC

Department Codes:

1 - Specific to Power Station Operations
2 - Specific to Service Area Operations
3 - Specific to Gas Facilities Operations
4 - Specific to Construction

Substances	Department Code	Reportable Quantity (RQ)
acetic acid	1 & 2	5000 lbs.
acetone	1	5000 lbs.
ammonium fluoride	1	100 lbs.
ammonium hydroxide	1 & 4	1000 lbs.
ammonium sulfide	1	100 lbs.
ammonium thiosulfate	2	5000 lbs.
benzene	1	1000 lbs.
cadmium		1 lb.
calcium hypochlorite	1 & 4	10 lbs.
captan	2 3 & 4	10 lbs.
carbon tetrachloride	1 & 2	5000 lbs.
chlorine	1 & 4	10 lbs.
chloroform	1	5000 lbs.
chromic acid	1	1000 lbs.
copper		5000 lbs.
cupric sulfate	1 & 2	10 lbs.
2,4-D acid	2 3 & 4	100 lbs.
2,4-D ester	2 3 & 4	100 lbs.
dicamba	2	1000 lbs.
dimethylamine	1	1000 lbs.
diuron	4	100 lbs.
EDTA	1 & 4	5000 lbs.
ferric chloride	1	1000 lbs.
formaldehyde	1	1000 lbs.
formic acid	1	5000 lbs.
hydrazine	1	1 lb.
hydrochloric acid	1	5000 lbs.
hydrofluoric acid	1	100 lbs.
lead		1 lb.
mercury		1 lb.
nitric acid	1	1000 lbs.
pentachlorophenol	2	10 lbs.
phosphoric acid	1	5000 lbs.
phosphorus	1	1 lb.
polychlorinated biphenyls	1 & 2	10 lbs.
potassium hydroxide	1	1000 lbs.
selenium		100 lbs.
silver nitrate	1	1 lb.
sodium arsenite	1	1000 lbs.

Substances	Department Code	Reportable Quantity (RQ)
sodium fluoride	1	1000 lbs.
sodium hydroxide	1 & 4	1000 lbs.
sodium hypochlorite	1 2 & 4	100 lbs.
scdium nitrite	1	100 lbs.
sodium phosphate	1 & 4	5000 lbs.
sulfuric acid	1 & 4	1000 lbs.
2,4,5-T	2 3 & 4	1000 lbs.
tetrachloroethylene	1 & 2	1 lb.
toluene	1	1000 lbs.
trichloroethylene	1 & 2	1000 lbs.
xylene	1	1000 lbs.
xylenol	2	1000 lbs.
zinc		1000 lbs.
Unlisted Hazardous Wastes		
Characteristic of Ignitability	1 & 2	100 lbs.
Characteristic of Corrosivity	1 & 2	100 lbs.
Characteristic of Reactivity	1 & 2	100 lbs.
Characteristic of EP Toxicity		
Arsenic	1 & 2	1 lb.
Barium	1 & 2	1000 lbs.
Cadmium	1 & 2	1 lb.
Chromium	1 & 2	1 lb.
Lead	1 & 2	1 lb.
Mercury	1 & 2	1 lb.
Selenium	1 & 2	10 lbs.
Silver	1 & 2	1 lb.
Endrin	1 & 2	1 lb.
Lindane	1 & 2	1 lb.
Methoxychlor	1 & 2	1 lb.
Toxaphene	1 & 2	1 lb.

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)*: IL0036919

Noncontact Cooling Water Discharge from Radwaste Solidification Process (New Contributory Stream) (a)

OUTFALL NO: 004

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 (C) a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) a. CONCENTRATION	3. UNITS b. MASS	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	< 1.0	< 0.036					.1	mg/l	lbs/day			
b. Chemical Oxygen Demand (COD)	3.4	0.12					1	mg/l	lbs/day			
c. Total Organic Carbon (TOC)	0.84	0.03					1	mg/l	lbs/day			
d. Total Suspended Solids (TSS)	1.2	0.04					1	mg/l	lbs/day			
e. Ammonia (as N)	< 0.10	< 0.0036					1	mg/l	lbs/day			
f. Flow	VALUE 3.0		VALUE 3.0		VALUE 0.75		(b)	gpm		VALUE		
g. Temperature (winter)	VALUE 120		VALUE ---		VALUE ---			°C XXX °F		VALUE		
h. Temperature (summer)	VALUE No Data		VALUE ---		VALUE ---			°C		VALUE		
i. pH	MINIMUM	MAXIMUM 7.7	MINIMUM	MAXIMUM			1	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 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' a. BE PRESENT	2. MARK 'X' b. BE ABSENT	3. EFFLUENT (C) a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual		X												
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)		X												

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[Form 2C]

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131:2664.3

(ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (If available)	2. MARK 'X' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVRG. VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVRG. VALUE (2) MASS	5. INTAKE (optional) b. NO OF ANALYSES
g. Nitrogen, Total Organic (as N)		X												
h. Oil and Grease	X		1.9	0.068					1	mg/l	lbs/day			
i. Phosphorus (as P), Total (7723-14-0)		X												
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO_4) (14808-79-8)		X												
l. Sulfide (as S)		X												
m. Sulfite (as SO_3) (14265-45-3)		X												
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)		X												
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		0.76	0.027					1	mg/l	lbs/day			
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

CONTINUE ON PAGE V-3

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
IL0036919	004

New Noncontact Cooling Water Contributory Discharge

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)							4. UNITS		5. INTAKE (optional)		
	a. TEST-ING RE-QUIRED	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 ANAL-YSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL-YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCEN-TRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)															
2M. Arsenic, Total (7440-38-2)															
3M. Beryllium, Total, 7440-41-7)															
4M. Cadmium, Total (7440-43-9)															
5M. Chromium, Total (7440-47-3)															
6M. Copper Total (7440-50-8)															
7M. Lead, Total (7439-92-1)															
8M. Mercury, Total (7439-97-6)															
9M. Nickel, Total (7440-02-0)															
10M. Selenium, Total (7782-49-2)															
11M. Silver, Total (7440-22-4)															
12M. Thallium, Total (7440-28-0)															
13M. Zinc, Total (7440-66-6)															
14M. Cyanide, Total (57-12-5)															
15M. Phenols, Total															
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)				DESCRIBE RESULTS											

CONTINUE ON REVERSE

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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. 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	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)															
2V. Acrylonitrile (107-13-1)															
3V. Benzene (71-43-2)															
4V. Bis (Chloromethyl) Ether (542-88-1)															
5V. Bromoform (75-25-2)															
6V. Carbon Tetrachloride (56-23-5)															
7V. Chlorobenzene (108-90-7)															
8V. Chlorodibromomethane (124-48-1)															
9V. Chloroethane (75-00-3)															
10V. 2-Chloroethylvinyl Ether (110-75-8)															
11V. Chloroform (67-66-3)															
12V. Dichlorobromomethane (75-27-4)															
13V. Dichlorodifluoromethane (75-71-8)															
14V. 1,1-Dichloroethane (75-34-3)															
15V. 1,2-Dichloroethane (107-06-2)															
16V. 1,1-Dichloroethylene (75-35-4)															
17V. 1,2-Dichloropropane (78-87-5)															
18V. 1,3-Dichloropropylene (542-75-6)															
19V. Ethylbenzene (100-41-4)															
20V. Methyl Bromide (74-83-9)															
21V. Methyl Chloride (74-87-3)															

New Noncontact Cooling Water Contributory Discharge

CONTINUED FROM PAGE V-4

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
IL0036919	004

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT (d)						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	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)															
23V. 1,1,2,2-Tetrachloroethane (79-34-5)															
24V. Tetrachloroethylene (127-18-4)															
25V. Toluene (108-88-3)															
26V. 1,2-Trans-Dichloroethylene (156-60-5)															
27V. 1,1,1-Trichloroethane (71-55-6)															
28V. 1,1,2-Trichloroethane (79-00-5)															
29V. Trichloroethylene (79-01-6)															
30V. Trichlorofluoromethane (75-69-4)															
31V. Vinyl Chloride (75-01-4)															
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)															
2A. 2,4-Dichlorophenol (120-83-2)															
3A. 2,4-Dimethylphenol (105-67-9)															
4A. 4,6-Dinitro-O-Cresol (534-52-1)															
5A. 2,4-Dinitrophenol (51-28-5)															
6A. 2-Nitrophenol (88-75-5)															
7A. 4-Nitrophenol (100-02-7)															
8A. P-Chloro-M-Cresol (59-50-7)															
9A. Pentachlorophenol (87-86-5)															
10A. Phenol (108-95-2)															
11A. 2,4,6-Trichlorophenol (88-06-2)															

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. test-ing 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 ANAL-YSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL-YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)															
2B. Acenaphtylene (208-96-8)															
3B. Anthracene (120-12-7)															
4B. Benzidine (92-87-5)															
5B. Benzo (a) Anthracene (56-55-3)															
6B. Benzo (a) Pyrene (50-32-8)															
7B. 3,4-Benzo-fluoranthene (205-99-2)															
8B. Benzo (ghi) Perylene (191-24-2)															
9B. Benzo (k) Fluoranthene (207-08-9)															
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)															
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)															
12B. Bis (2-Chloroiso-propyl) Ether (102-60-1)															
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)															
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)															
15B. Butyl Benzyl Phthalate (85-68-7)															
16B. 2-Chloro-naphthalene (91-58-7)															
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)															
18B. Chrysene (218-01-9)															
19B. Dibenzo (a,h) Anthracene (53-70-3)															
20B. 1,2-Dichloro-benzene (95-50-1)															
21B. 1,3-Dichloro-benzene (541-73-1)															

EPA I.D. NUMBER (copy from Item 1 of Form 1): IL0036919

OUTFALL NUMBER: 004

New Noncontact Cooling Water Contributory Discharge

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT (d)							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	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)															
23B. 3,3'-Dichlorobenzidine (91-94-1)															
24B. Diethyl Phthalate (84-66-2)															
25B. Dimethyl Phthalate (131-11-3)															
26B. Di-N-Butyl Phthalate (84-74-2)															
27B. 2,4-Dinitrotoluene (121-14-2)															
28B. 2,6-Dinitrotoluene (606-20-2)															
29B. Di-N-Octyl Phthalate (117-84-0)															
30B. 1,2-Diphenylhydrazine (as *Azobenzene*) (122-66-7)															
31B. Fluoranthene (206-44-0)															
32B. Fluorene (86-73-7)															
33B. Hexachlorobenzene (118-74-1)															
34B. Hexachlorobutadiene (87-68-3)															
35B. Hexachlorocyclopentadiene (77-47-4)															
36B. Hexachloroethane (67-72-1)															
37B. Indeno (*1,2,3-cd*) Pyrene (193-39-5)															
38B. Isophorone (78-59-1)															
39B. Naphthalene (91-20-3)															
40B. Nitrobenzene (98-95-3)															
41B. N-Nitrosodimethylamine (62-75-9)															
42B. N-Nitrosodi-N-Propylamine (621-64-7)															

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						d. NO OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. TEST(S) REQUIRED BY GUIDANCE	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)															
44B. Phenanthrene (85-01-8)															
45B. Pyrene (129-00-0)															
46B. 1,2,4-Trichlorobenzene (120-82-1)															
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (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 (72-55-9)															
9P. 4,4'-DDD (72-54-8)															
10P. Dieldrin (60-57-1)															
11P. α-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 I.D. NUMBER (copy from Item 1 of Form 1): IL0036919 | OUTFALL NUMBER: 004

New Noncontact Cooling Water Contributory Discharge

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. TEST INCLUDED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT (d) a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)															
18P. PCB-1242 (53469-21-9)															
19P. PCB-1254 (11097-69-1)															
20P. PCB-1221 (11104-28-2)															
21P. PCB-1232 (11141-16-5)															
22P. PCB-1248 (12672-29-6)															
23P. PCB-1260 (11096-82-5)															
24P. PCB-1016 (12674-11-2)															
25P. Toxaphene (8001-35-2)															

EPA Form 3510-2C (Rev. 4-86)

(a) The waste solidification equipment is brought on site as needed, by a Radwaste disposal contractor. The cooling water source is reactor-grade water from the condensate makeup system.

(b) Daily average and maximum flow values are based on recommendations of the manufacturer.

(c) All pollutant concentration values are based on the analysis of a single grab sample of the discharge from the solidification equipment while it was being used at the station in December, 1986.

(d) Part V-C analyses were not performed as it is known these pollutants are not present in this discharge.

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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)*: IL0036919

New Outfall (a)

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

OUTFALL NO: 009

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 (b) a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS	c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION	c. LONG TERM AVRG. VALUE *(if available)* (2) MASS	d. NO. OF ANALYSES	3. UNITS *(specify if blank)* a. CONCENTRATION	3. UNITS b. MASS	4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE b. NO. OF ANALYSES
a. Biochemical Oxygen Demand *(BOD)*	11.7	---	---	---	---	---	1	mg/l	---			
b. Chemical Oxygen Demand *(COD)*	10.2	---	---	---	---	---	1	mg/l	---			
c. Total Organic Carbon *(TOC)*	3.2	---	---	---	---	---	1	mg/l	---			
d. Total Suspended Solids *(TSS)*	< 1.0	---	---	---	---	---	1	mg/l	---			
e. Ammonia *(as N)*	1.3	---	---	---	---	---	1	mg/l	---			
f. Flow	VALUE No data		VALUE No data		VALUE No data		---			VALUE		
g. Temperature *(winter)*	VALUE Ambient		VALUE Ambient		VALUE Ambient		0	°C		VALUE		
h. Temperature *(summer)*	VALUE Ambient		VALUE Ambient		VALUE Ambient		0	°C		VALUE		
i. pH	MINIMUM	MAXIMUM 8.0	MINIMUM	MAXIMUM			1	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 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" a. BE-LIEVED PRES-ENT	2. MARK "X" b. BE-LIEVED AB-SENT	3. EFFLUENT (b) a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS	c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION	c. LONG TERM AVRG. VALUE *(if available)* (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual		X												
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite *(as N)*		X												

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (If available)	2. MARK 'X' A. EXPECTED PRESENT	B. BELIEVED ABSENT	3. EFFLUENT A. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	B. MAXIMUM 30 DAY VALUE (If available) (1) CONCENTRATION	(2) MASS	C. LONG TERM AVG. VALUE (If available) (1) CONCENTRATION	(2) MASS	D. NO. OF ANALYSES	4. UNITS A. CONCENTRATION	B. MASS	5. INTAKE (optional) A. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	B. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)		X												
h. Oil and Grease	X		2.4						1	mg/l	–			
i. Phosphorus (as P), Total (7723-14-0)		X												
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO_4) (14808-79-8)		X												
l. Sulfide (as S)		X												
m. Sulfite (as SO_3) (14265-45-3)		X												
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)		X												
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		0.4						1	mg/l	–			
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

CONTINUE ON PAGE V-3

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
IL0036919	009

New Discharge

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 (C)						4. UNITS		5. INTAKE (optional)		
	a. TEST-ING 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	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)															
2M. Arsenic, Total (7440-38-2)															
3M. Beryllium, Total, 7440-41-7)															
4M. Cadmium, Total (7440-43-9)															
5M. Chromium, Total (7440-47-3)															
6M. Copper, Total (7440-50-8)															
7M. Lead, Total (7439-92-1)															
8M. Mercury, Total (7439-97-6)															
9M. Nickel, Total (7440-02-0)															
10M. Selenium, Total (7782-49-2)															
11M. Silver, Total (7440-22-4)															
12M. Thallium, Total (7440-28-0)															
13M. Zinc, Total (7440-66-6)															
14M. Cyanide, Total (57-12-5)															
15M. Phenols, Total															
DIOXIN															
2,3,7,8 Tetrachlorodibenzo-P Dioxin (1764-01-6)				DESCRIBE RESULTS											

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

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EPA I.D. NUMBER (copy from Item 1 of Form 1): IL0036919 | OUTFALL NUMBER: 009 | New Discharge

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT (C)							4. UNITS		5. INTAKE (optional)		
	a. TEST (INCLUDED)	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	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)															
23V. 1,1,2,2-Tetrachloroethane (79-34-5)															
24V. Tetrachloroethylene (127-18-4)															
25V. Toluene (108-88-3)															
26V. 1,2-Trans-Dichloroethylene (156-60-5)															
27V. 1,1,1-Trichloroethane (71-55-6)															
28V. 1,1,2-Trichloroethane (79-00-5)															
29V. Trichloroethylene (79-01-6)															
30V. Trichlorofluoromethane (75-69-4)															
31V. Vinyl Chloride (75-01-4)															
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)															
2A. 2,4-Dichlorophenol (120-83-2)															
3A. 2,4-Dimethylphenol (105-67-9)															
4A. 4,6-Dinitro-O-Cresol (534-52-1)															
5A. 2,4-Dinitrophenol (51-28-5)															
6A. 2-Nitrophenol (88-75-5)															
7A. 4-Nitrophenol (100-02-7)															
8A. P-Chloro-M-Cresol (59-50-7)															
9A. Pentachlorophenol (87-86-5)															
10A. Phenol (108-95-2)															
11A. 2,4,6-Trichlorophenol (88-06-2)															

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)															
2B. Acenaphtylene (208-96-8)															
3B. Anthracene (120-12-7)															
4B. Benzidine (92-87-5)															
5B. Benzo (a) Anthracene (56-55-3)															
6B. Benzo (a) Pyrene (50-32-8)															
7B. 3,4-Benzo-fluoranthene (205-99-2)															
8B. Benzo (ghi) Perylene (191-24-2)															
9B. Benzo (k) Fluoranthene (207-08-9)															
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)															
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)															
12B. Bis (2-Chloroiso-propyl) Ether (102-60-1)															
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)															
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)															
15B. Butyl Benzyl Phthalate (85-68-7)															
16B. 2-Chloro-naphthalene (91-58-7)															
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)															
18B. Chrysene (218-01-9)															
19B. Dibenzo (a,h) Anthracene (53-70-3)															
20B. 1,2-Dichloro-benzene (95-50-1)															
21B. 1,3-Dichloro-benzene (541-73-1)															

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT (C) a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)															
23B. 3,3'-Dichlorobenzidine (91-94-1)															
24B. Diethyl Phthalate (84-66-2)															
25B. Dimethyl Phthalate (131-11-3)															
26B. Di-N-Butyl Phthalate (84-74-2)															
27B. 2,4-Dinitrotoluene (121-14-2)															
28B. 2,6-Dinitrotoluene (606-20-2)															
29B. Di-N-Octyl Phthalate (117-84-0)															
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)															
31B. Fluoranthene (206-44-0)															
32B. Fluorene (86-73-7)															
33B. Hexachlorobenzene (118-74-1)															
34B. Hexachlorobutadiene (87-68-3)															
35B. Hexachlorocyclopentadiene (77-47-4)															
36B. Hexachloroethane (67-72-1)															
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)															
38B. Isophorone (78-59-1)															
39B. Naphthalene (91-20-3)															
40B. Nitrobenzene (98-95-3)															
41B. N-Nitrosodimethylamine (62-75-9)															
42B. N-Nitrosodi-N-Propylamine (621-64-7)															

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS *(continued)*															
43B. N-Nitrosodiphenylamine (86-30-6)															
44B. Phenanthrene (85-01-8)															
45B. Pyrene (129-00-0)															
46B. 1,2,4-Trichlorobenzene (120-82-1)															
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (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 (72-55-9)															
9P. 4,4'-DDD (72-54-8)															
10P. Dieldrin (60-57-1)															
11P. α-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)															

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EPA I.D. NUMBER (copy from Item 1 of Form 1): IL0036919 | OUTFALL NUMBER: 009 | New Discharge

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. (2) MASS	d. NO OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. (2) MASS	b. NO OF ANALYSES
GC/MS FRACTION – PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)															
18P. PCB-1242 (53469-21-9)															
19P. PCB-1254 (11097-69-1)															
20P. PCB-1221 (11104-28-2)															
21P. PCB-1232 (11141-16-5)															
22P. PCB-1248 (12672-29-6)															
23P. PCB-1260 (11096-82-5)															
24P. PCB-1016 (12674-11-2)															
25P. Toxaphene (8001-35-2)															

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(a) This "discharge" is actually multiple discharges from five sumps located in or near the screenhouse. Discharges from these five sumps are pumped to Clinton Lake adjacent to the screenhouse.

(b) All pollutant concentrations are based on the analysis of a single composite manually prepared from one grab sample collected from each sump.

(c) Part V-C analyses were not performed as it is believed no priority pollutants would be present in concentrations above detectable limits in these discharges.

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