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Braidwood Station
35100 South Rt 53, Suite 84
Braceville, IL 60407-9619
Tel 815-417-2000

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April 1, 2003
BW030022

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Braidwood Station, Units 1 and 2
Facility Operating License Nos. NPF-72 and NPF-77
NRC Docket Nos. STN 50-456 and STN 50-457

Subject: 2002 Annual Environmental Report

The attached document includes the Annual Environmental Operating Report for Braidwood Station. This report is being submitted in accordance with Section 5.4.1, "Routine Reports," in Appendix B, "Environmental Protection Plan (Nonradiological)" of Braidwood Station's Facility Operating License, and covers the time period from January 2002 through December 2002.

Braidwood Station evaluated the objectives stated in the Environmental Protection Plan, as described in Section 1, "Objectives of the Environmental Protection Plan", of Appendix B in Braidwood Station's Facility Operating License. Exceptions to these objectives are listed in the applicable attachments.

The following Attachments are included in this report.

Attachment A - A list of all changes in Station design or operations, tests, and experiments as required by Appendix B, Section 3.1, "Plant Design and Operation."

Attachment B - A list of all non-routine reports as required by Appendix B, Section 5.4.2, "Nonroutine Reports."

Attachment C - A list of non-compliances to the Environmental Protection Plan and the corrective actions.

Attachment D - A copy of NPDES Permit No. IL0048321 dated August 28, 1997.

IE25

Should you have any questions regarding this submittal, please contact Scott Butler, Acting Regulatory Assurance Manager at (815) 417-3540.

Respectfully,

A handwritten signature in black ink, appearing to read "James D. von Suskil", written in a cursive style.

James D. von Suskil
Site Vice President
Braidwood Station

Attachments:

Attachment A
Attachment B
Attachment C
Attachment D

cc: Regional Administrator - NRC Region III
NRC Senior Resident Inspector - Braidwood Station

ATTACHMENT A

List of changes in station design or operations, tests, and experiments as required by Section 3.1, "Plant Design and Operation" in Appendix B, "Environmental Protection Plan (Nonradiological)" of Braidwood Station's Facility Operating License.

None - 2002

ATTACHMENT B

List of all non-routine reports as required by Appendix B, Section 5.4.2, "Non-routine Reports", of Braidwood Station's Facility Operating License.

1. In June of 2000, Braidwood Station inadvertently discharged approximately 4,000 gallons of mostly diesel oil from the oil water separator used by the site's storm drainage system. The oil water separator discharged into the north perimeter drainage ditch. A report was not issued as required by Appendix B, Section 4.1, nor was a follow-up report submitted within 30 days as required by Appendix B, Section 5.4.2.

ATTACHMENT C

List of non-compliances to the Environmental Protection Plan and the corrective actions

1. Contrary to the requirements of Appendix B, Section 3.2, "Reporting Related to the NPDES Permit and State Certification" of Braidwood Station's Facility Operating License, Braidwood Station did not notify the NRC of changes to the National Pollutant Discharge Elimination System (NPDES) permit when applied for in 1997. A copy of the permit is included in this report as Attachment D.

ATTACHMENT D

Copy of National Pollutant Discharge Elimination System (NPDES) Permit No.
IL0048321 dated August 28, 1997.



State of Illinois

ENVIRONMENTAL PROTECTION AGENCY

DP

Mary A. Gade, Director
217/782-0610

1021 North Grand Ave. East, Springfield, IL 62794-9276

August 28, 1997

Commonwealth Edison Company
Post Office Box 767, 35 FNW
Chicago, Illinois 60690-0767

Re: Commonwealth Edison Company
NPDES Permit No. IL0048321
Modification of NPDES Permit (After Public Notice)

Gentlemen:

The Illinois Environmental Protection Agency has reviewed the request for modification of the above-referenced NPDES Permit and issued a public notice based on that request. The final decision of the Agency is to modify the Permit as follows:

The monitoring frequency for oil and grease is being reduced from 1/week to 1/month for Outfalls 001(a) and 001(c). Additional monitoring requirements are being added to Outfall 001, concerning the usage of bromine based biocides. The elimination of fecal coliform monitoring at Outfall 001(b) due to the facility being granted a year-round disinfection exemption in July, 1995.

Enclosed is a copy of the modified Permit. You have the right to appeal this modification to the Illinois Pollution Control Board within a 35 day period following the modification date shown on the first page of the permit.

Should you have any question or comments regarding the above, please contact Darin LeCrone of my staff.

Very truly yours,

Thomas G. McSwiggin

Thomas G. McSwiggin, P.E.
Manager, Permit Section
Division of Water Pollution Control

TGM:SFN:DEL:97041003.dlk

Attachment: Modified Permit

cc: Records
Compliance Assurance Section
Facility
NIPC
USEPA

RECEIVED
ENVIRONMENTAL SERVICES DEPT.

SEP 04 1997
AM PM
7 8 9 10 11 12 1 2 3 4 5 6

NPDES Permit No. IL0048321

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Modified (NPDES) Permit

Expiration Date: September 1, 2000

Issue Date: August 24, 1995

Effective Date: September 1, 1995

Modification Date: August 28, 1997

Name and Address of Permittee:

Commonwealth Edison Company
Post Office Box 767, 35 FNW
Chicago, Illinois 60690-0767

Facility Name and Address:

Commonwealth Edison Company
Braidwood Nuclear Power Station
Rural Route #1, Box 84
Braceville, Illinois 60407
(Will County)

Discharge Number and Name:

No. 001 Cooling Pond Blowdown Line
No. 001(a) Wastewater Treatment Plant Effluent
No. 001(b) Sewage Treatment Plant Effluent
No. 001(c) Radwaste Treatment System Effluent
No. 001(d) Demineralizer Regenerant Wastes
No. 001(e) Intake Screen Backwash

Receiving Waters:

Kankakee River

No. 002 North Site Stormwater Runoff Basin
No. 003 South Site Stormwater Runoff Basin
No. 004 Switchyard Area Runoff

Mazon River

In compliance with the provisions of the Illinois Environmental Protection Act, Subtitle C, Rules and Regulations of the Illinois Pollution Control Board, and the FWPCA the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.



Thomas G. McSwiggin, P.E.
Manager, Permit Section
Division of Water Pollution Control

TGM:DEL\97041003.DLK

NPDES Permit No. IL0048321

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS		CONCENTRATION		SAMPLE FREQUENCY	SAMPLE TYPE
	lbs/day		LIMITS mg/l			
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		

1. From the effective date of this permit until September 1, 2000, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): 001 Cooling Pond Blowdown Line*

This discharge consists of:

1. Condenser cooling water
2. House service water
3. Essential service water
4. Demineralizer regenerant waste
5. Wastewater treatment plant effluent
6. Radwaste treatment system effluent
7. House service water strainer backwash
8. Essential service water strainer backwash
9. Sewage treatment plant effluent
10. Water treatment system filter backwashes
11. River intake screen backwash
12. Cooling pond intake screen backwash

Approximate Flow

11.31 MGD
1.3 MGD
1.3 MGD
0.028 MGD
0.079 MGD
0.032 MGD
0.03 MGD
0.017 MGD
0.017 MGD
0.03 MGD
0.112 MGD
0.4 MGD

Flow		Daily	Continuous
pH	See Special Condition No. 1	1/Week	Grab
Temperature	See Special Condition No. 3	Daily	Continuous
Total Residual Chlorine**	0.2	1/Month	Grab**
Total Residual Oxidant**	0.05	1/Month	Grab**

*See Special Condition No. 12

**See Special Condition No. 4

NPDES Permit No. IL0048321

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		

1. From the effective date of this permit until September 1, 2000, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): 001(a) Wastewater Treatment Plant Effluent

This discharge consists of:

Approximate Flow

- | | |
|------------------------------------------------------------|--------------|
| 1. Turbine building fire and oil sump* | 0.079 MGD |
| a. Turbine building floor drain tank* | |
| i. Turbine building floor drain sumps | |
| ii. Essential service water drain sumps | |
| iii. Condensate pit sumps | |
| b. Turbine building equipment drain tank* | |
| c. Units 1 and 2 tendon tunnel sumps | |
| d. Auxiliary boiler blowdown | |
| e. Units 1 and 2 diesel fuel storage tank sumps | |
| f. Oil-water separator No. 1 effluent | |
| g. Secondary-Side Drain Water | |
| 2. Water treatment area floor and equipment drain sumps | Intermittent |
| 3. Water treatment lime-softening clarator blowdown | Intermittent |
| 4. Wastewater treatment system sand filter backwash | 0.002 MGD |
| 5. Condensate polisher regenerant wastes (Alternate Route) | Intermittent |
| 6. Demineralizer Regenerant Waste Drains (Alternate Route) | Intermittent |

Flow	Daily		24 Hour Total	
Total Suspended Solids	15.0	30.0	1/Week	24 Hour Composite
Oil and Grease	15.0	20.0	1/Month	Grab

*These wastestreams may be directed to the Radwaste Treatment System depending on the results of the process radiation monitors.

NPDES Permit No. IL0048321

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS		CONCENTRATION		SAMPLE FREQUENCY	SAMPLE TYPE
	lbs/day		LIMITS mg/l			
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		

1. From the effective date of this permit until September 1, 2000, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): 001(b) Sewage Treatment Plant Effluent**

Approximate Flow
0.017 MGD
(DMF 0.078 MGD)

Flow					Daily	Continuous
pH	See Special Condition No. 1				1/Week	Grab
Total Suspended Solids	19.5	39.0	30.0	60.0	1/Week	24 Hour Composite
BOD ₅	19.5	39.0	30.0	60.0	1/Week	24 Hour Composite

Outfall(s): 001(c) Radwaste Treatment System Effluent

This discharge consists of:

Approximate Flow: 0.032 MGD

1. Steam generator condensate blowdown	Intermittent
2. Cooling jacket blowdown	Intermittent
3. Auxiliary building and turbine building floor drains	Intermittent
4. Laundry waste treatment system drains	0.001 MGD
5. Chemical and volume control system drains	Intermittent
6. Boron recycle system blowdown	Intermittent
7. Radwaste demineralizer regenerant wastes and filter backwash	0.002 MGD
8. Reactor building floor and equipment drains	Intermittent
9. Turbine building floor drain tank (Alternate Route)	Intermittent
10. Turbine building fire and oil sump (Alternate Route)	Intermittent
11. Turbine building equipment drain tank (Alternate Route)	Intermittent
12. Evaporator wastewater	Intermittent

Flow				Daily	Continuous
Total Suspended Solids	15.0	30.0		1/Week	Discharge Tank Composite
Oil and Grease	15.0	20.0		1/Month	Grab

**Outfall No. 001(b) Sewage Treatment Plant Effluent will normally be discharged to the Kankakee River via the cooling pond blowdown line. The existing outfall to the Mazon River will be maintained as an emergency backup. The permittee shall give notice to the Agency of any emergency discharge to the Mazon River. Applicable effluent limitations shall apply.

NPDES Permit No. IL0048321

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS		CONCENTRATION		SAMPLE FREQUENCY	SAMPLE TYPE
	lbs/day		LIMITS mg/l			
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		

1. From the effective date of this permit until September 1, 2000, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): 001(d) Demineralizer Regenerant Wastes

This discharge consists of

Approximate Flow
0.028 MGD

1. Make-up demineralizer regenerant waste***
2. Condensate polisher regenerate waste***
3. Regenerant chemical area drains
4. Portable Demineralizer Regenerant Wastes

Flow				Daily	Continuous
Total Suspended Solids		15.0	30.0	1/Week	8 Hour Composite

***This wastestream may be alternately routed to the wastewater treatment system.

Outfall(s): 001(e) River Intake Screen Backwash

There shall be no discharge of collected debris.

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Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS		CONCENTRATION		SAMPLE FREQUENCY	SAMPLE TYPE
	lbs/day		LIMITS mg/l			
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		

1. From the effective date of this permit until September 1, 2000, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): 002 North Site Stormwater Runoff Basin

This discharge consists of.

Approximate Flow:

1. Parking lot runoff
2. Transformer area runoff
3. North station area runoff
4. Turbine building, auxiliary building and waste treatment building roof drains

Intermittent
Intermittent
Intermittent
Intermittent
Intermittent

See Special Condition No. 8

Outfall(s): 003 South Site Stormwater Runoff Basin

Approximate Flow

Intermittent

See Special Condition No. 8

Outfall(s): 004 Switchyard Area Runoff

Approximate Flow

Intermittent

See Special Condition No. 8

NPDES Permit No. IL0048321

Special Conditions

SPECIAL CONDITION 1. The pH shall be in the range 6.0 to 9.0.

SPECIAL CONDITION 2. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

SPECIAL CONDITION 3. Discharge of wastewater from this facility must not alone or in combination with other sources cause the receiving stream to violate the following thermal limitations at the edge of the mixing zone which is defined by Section 302.211, Illinois Administration Code, Title 35, Chapter 1, Subtitle C, as amended:

- A. Maximum temperature rise above natural temperature must not exceed 5°F (2.8°C).
- B. Water temperature at representative locations in the main river shall not exceed the maximum limits in the following table during more than one (1) percent of the hours in the 12-month period ending with any month. Moreover, at no time shall the water temperature at such locations exceed the maximum limits in the following table by more than 3°F (1.7°C). (Main river temperatures are temperatures of those portions of the river essentially similar to and following the same thermal regime as the temperatures of the main flow of the river.)

	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>
°F	60	60	60	90	90	90	90	90	90	90	90	60
°C	16	16	16	32	32	32	32	32	32	32	32	16

SPECIAL CONDITION 4. Chlorine or bromine may not be discharged from each unit's main cooling condensers for more than two hours per day. The reported mean concentration and maximum concentration of Total Residual Chlorine/Total Residual Oxidant (TRC/TRO) shall be based on a minimum of three grab samples taken at approximately five minute intervals at Outfall 001. The time samples were collected, the time and duration of oxidant dosing period plus the monthly average and daily maximum amount of oxidant applied shall be reported on the Discharge Monitoring Reports. The reported average concentration of TRC/TRO is the average of all values measured for a sampling event and the reported maximum concentration is the highest value measured for a single grab sample. Discharge Monitoring Reports shall indicate whether bromine and/or chlorine compounds were used during the month. A discharge limit, as measured at the blowdown to the Kankakee River, of 0.05 mg/l (instantaneous maximum) shall be achieved for total residual oxidant (total residual chlorine/total residual halogen) when bromine biocides are used for condenser biofouling control.

SPECIAL CONDITION 5. There shall be no discharge of polychlorinated biphenyl compounds.

SPECIAL CONDITION 6. There shall be no discharge of complexed metal bearing wastestreams or associated rinses from chemical metal cleaning unless this permit has been modified to include the new discharge.

SPECIAL CONDITION 7.

- A. Intake impacts will be reduced by limiting pumping from the river during the peak entrainment period. For a four-week period (last three weeks in May and first week in June), pumping will be allowed only during the day (between one hour after sunrise and one hour before sunset). In addition, during the four-week period, pumping will be minimized during the day. Pumping will occur when needed to fill the freshwater holding pond and to maintain efficient operation of the cooling pond. In an extreme emergency, and upon immediate notification of the Agency, pumping could occur at night. Such pumping would cease as soon as the emergency was over. Records of all pumping during the four-week period will be maintained. Such records will include dates, number of pumps operating and start and end times.

NPDES Permit No. IL0048321

Special ConditionsSPECIAL CONDITION 8.STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

- A. A storm water pollution prevention plan shall be developed by the permittee for the storm water associated with industrial activity at this facility. The plan shall identify potential sources of pollution which may be expected to affect the quality of storm water discharges associated with the industrial activity at the facility. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges associated with industrial activity at the facility and to assure compliance with the terms and conditions of this permit.
- B. The plan shall be completed within 180 days of the effective date of this permit. Plans shall provide for compliance with the terms of the plan within 365 days of the effective date of this permit. The owner or operator of the facility shall make a copy of the plan available to the Agency at any reasonable time upon request. [Note: If the plan has already been developed and implemented, it shall be maintained in accordance with all requirements of this special condition.]
- C. The permittee may be notified by the Agency at any time that the plan does not meet the requirements of this condition. After such notification, the permittee shall make changes to the plan and shall submit a written certification that the requested changes have been made. Unless otherwise provided, the permittee shall have 30 days after such notification to make the changes.
- D. The discharger shall amend the plan whenever there is a change in construction, operation, or maintenance which may affect the discharge of significant quantities of pollutants to the waters of the State or if a facility inspection required by paragraph G of this condition indicates that an amendment is needed. The plan should also be amended if the discharger is in violation of any conditions of this permit, or has not achieved the general objective of controlling pollutants in storm water discharges. Amendments to the plan shall be made within the shortest reasonable period of time, and shall be provided to the Agency for review upon request.
- E. The plan shall provide a description of potential sources which may be expected to add significant quantities of pollutants to storm water discharges, or which may result in non-storm water discharges from storm water outfalls at the facility. The plan shall include, at a minimum, the following items:
1. A topographic map extending one-quarter mile beyond the property boundaries of the facility, showing: the facility, surface water bodies, wells (including injection wells), seepage pits, infiltration ponds, and the discharge points where the facility's storm water discharges to a municipal storm drain system or other water body. The requirements of this paragraph may be included on the site map if appropriate.
 2. A site map showing:
 - i. The storm water conveyance and discharge structures;
 - ii. An outline of the storm water drainage areas for each storm water discharge point;
 - iii. Paved areas and buildings;
 - iv. Areas used for outdoor manufacturing, storage, or disposal of significant materials, including activities that generate significant quantities of dust or particulates.
 - v. Location of existing storm water structural control measures (dikes, coverings, detention facilities, etc.);
 - vi. Surface water locations and/or municipal storm drain locations
 - vii. Areas of existing and potential soil erosion;
 - viii. Vehicle service areas;
 - ix. Material loading, unloading, and access areas.

NPDES Permit No. IL0048321

Special Conditions

3. A narrative description of the following:
 - i. The nature of the industrial activities conducted at the site, including a description of significant materials that are treated, stored or disposed of in a manner to allow exposure to storm water;
 - ii. Materials, equipment, and vehicle management practices employed to minimize contact of significant materials with storm water discharges;
 - iii. Existing structural and non-structural control measures to reduce pollutants in storm water discharges;
 - iv. Industrial storm water discharge treatment facilities;
 - v. Methods of onsite storage and disposal of significant materials;
 4. A list of the types of pollutants that have a reasonable potential to be present in storm water discharges in significant quantities.
 5. An estimate of the size of the facility in acres or square feet, and the percent of the facility that has impervious areas such as pavement or buildings.
 6. A summary of existing sampling data describing pollutants in storm water discharges.
- F. The plan shall describe the storm water management controls which will be implemented by the facility. The appropriate controls shall reflect identified existing and potential sources of pollutants at the facility. The description of the storm water management controls shall include:
1. Storm Water Pollution Prevention Personnel - Identification by job titles of the individuals who are responsible for developing, implementing, and revising the plan.
 2. Preventive Maintenance - Procedures for inspection and maintenance of storm water conveyance system devices such as oil/water separators, catch basins, etc., and inspection and testing of plant equipment and systems that could fail and result in discharges of pollutants to storm water.
 3. Good Housekeeping - Good housekeeping requires the maintenance of clean, orderly facility areas that discharge storm water. Material handling areas shall be inspected and cleaned to reduce the potential for pollutants to enter the storm water conveyance system.
 4. Spill Prevention and Response - Identification of areas where significant materials can spill into or otherwise enter the storm water conveyance systems and their accompanying drainage points. Specific material handling procedures, storage requirements, spill clean up equipment and procedures should be identified, as appropriate. Internal notification procedures for spills of significant materials should be established.
 5. Storm Water Management Practices - Storm water management practices are practices other than those which control the source of pollutants. They include measures such as installing oil and grit separators, diverting storm water into retention basins, etc. Based on assessment of the potential of various sources to contribute pollutants; measures to remove pollutants from storm water discharge shall be implemented. In developing the plan, the following management practices shall be considered:
 - i. Containment - Storage within berms or other secondary containment devices to prevent leaks and spills from entering storm water runoff;
 - ii. Oil & Grease Separation - Oil/water separators, booms, skimmers or other methods to minimize oil contaminated storm water discharges;
 - iii. Debris & Sediment Control - Screens, booms, sediment ponds or other methods to reduce debris and sediment in storm water discharges;

NPDES Permit No. IL0048321

Special Conditions

- iv. Waste Chemical Disposal - Waste chemicals such as antifreeze, degreasers and used oils shall be recycled or disposed of in an approved manner and in a way which prevents them from entering storm water discharges.
 - v. Storm Water Diversion - Storm water diversion away from materials manufacturing, storage and other areas of potential storm water contamination;
 - vi. Covered Storage or Manufacturing Areas - Covered fueling operations, materials manufacturing and storage areas to prevent contact with storm water.
- 6. Sediment and Erosion Prevention - The plan shall identify areas which due to topography, activities, or other factors, have a high potential for significant soil erosion and describe measures to limit erosion.
 - 7. Employee Training - Employee training programs shall inform personnel at all levels of responsibility of the components and goals of the storm water pollution control plan. Training should address topics such as spill response, good housekeeping and material management practices. The plan shall identify periodic dates for such training.
 - 8. Inspection Procedures - Qualified plant personnel shall be identified to inspect designated equipment and plant areas. A tracking or follow-up procedure shall be used to ensure appropriate response has been taken in response to an inspection. Inspections and maintenance activities shall be documented and recorded.
- G. The permittee shall conduct an annual facility inspection to verify that all elements of the plan, including the site map, potential pollutant sources, and structural and non-structural controls to reduce pollutants in industrial storm water discharges are accurate. Observations that require a response and the appropriate response to the observation shall be retained as part of the plan. Records documenting significant observations made during the site inspection shall be submitted to the Agency in accordance with the reporting requirements of this permit.
- H. This plan should briefly describe the appropriate elements of other program requirements, including Spill Prevention Control and Countermeasures (SPCC) plans required under Section 311 of the CWA and the regulations promulgated thereunder, and Best Management Programs under 40 CFR 125.100.
- I. The plan is considered a report that shall be available to the public under Section 308(b) of the CWA. The permittee may claim portions of the plan as confidential business information, including any portion describing facility security measures.
- J. The plan shall include the signature and title of the person responsible for preparation of the plan and include the date of initial preparation and each amendment thereto.

REPORTING

- K. The facility shall submit an annual inspection report to the Illinois Environmental Protection Agency. The report shall include results of the annual facility inspection which is required by Part G of the Storm Water Pollution Prevention Plan of this permit. The report shall also include documentation of any event (spill, treatment unit malfunction, etc.) which would require an inspection, results of the inspection, and any subsequent corrective maintenance activity. The report shall be completed and signed by the authorized facility employee(s) who conducted the inspection(s).
- L. The first report shall contain information gathered during the one year time period beginning with the effective date of coverage under this permit and shall be submitted no later than 60 days after this one year period has expired. Each subsequent report shall contain the previous year's information and shall be submitted no later than one year after the previous year's report was due.
- M. Annual inspection reports shall be mailed to the following address:

NPDES Permit No. IL0048321

Special Conditions

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
Annual Inspection Report
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

- N. If the facility performs inspections more frequently than required by this permit, the results shall be included as additional information in the annual report.

SPECIAL CONDITION 9. Discharge of station cooling pond water to adjacent impoundments owned by the permittee, to replace water which is withdrawn from these impoundments for station operations during periods of low flows in the Kankakee River when the station must decouple its operations from the river, is hereby permitted for these emergency periods. No monitoring is required for this permitted activity. The IEPA shall be promptly notified during such operations.

SPECIAL CONDITION 10. The permittee shall record monitoring results on Discharge Monitoring Report Forms using one such form for each discharge each month.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 28th of the following month, unless otherwise specified by the the permitting authority.

Discharge Monitoring Reports shall be mailed to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Springfield, Illinois 62706

Attention: Compliance Assurance Section

SPECIAL CONDITION 11. The "upset" defense provisions of Title 40, Section 122.41(n) of the Federal Regulations are hereby incorporated into this permit by reference.

SPECIAL CONDITION 12. An emergency cooling pond overflow exists tributary to an unnamed drainage ditch which is tributary to the Mazon River. Discharges from this overflow shall be subject to the bypass provisions of 40 CFR 122.41(m).

SPECIAL CONDITION 13. The permittee shall submit a completed Form 2F as soon as conditions allow, for Outfall 002 and Outfall 003. Based on the new information the Agency may choose to modify the permit after public notice and opportunity for hearing.

SPECIAL CONDITION 14. For Discharge No. 001(b), any use of chlorine to control slime growths, odors or as an operational control, etc. shall not exceed the limit of 0.05 mg/l (daily maximum) total residual chlorine in the effluent. Sampling is required on a daily grab basis during the chlorination process. Reporting shall be submitted on the (DMR's) on a monthly basis.

SPECIAL CONDITION 15. Flow shall be reported as a daily maximum and a monthly average, and shall be reported in Million Gallons per Day.

ATTACHMENT H

Standard Conditions

Definitions

Act means the Illinois Environmental Protection Act, Ch. 111 § 2-2 Ill. Rev. Stat. Sec. 1001.115/2 as Amended

Agency means the Illinois Environmental Protection Agency

Board means the Illinois Pollution Control Board

Clean Water Act (formerly referred to as the Federal Water Pollution Control Act) means Pub. L. 92-400 as amended 33 USC 1251 et seq

NPDES National Pollutant Discharge Elimination System means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits and enforcing pretreatment requirements, under Sections 347, 402, 318 and 406 of the Clean Water Act

USEPA means the United States Environmental Protection Agency

Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling for pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day for pollutants with limitations expressed in other units of measurements, the "daily discharge" is calculated as the average measurement of the pollutant over the day

Maximum Daily Discharge Limitation (daily maximum) means the highest allowable daily discharge

Average Monthly Discharge Limitation (30 day average) means the highest allowable average of daily discharges over a calendar month calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month

Average Weekly Discharge Limitation (7 day average) means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage

Aliquot means a sample of specified volume used to make up a total composite sample

Grab Sample means an individual sample of at least 100 milliliters collected at a randomly selected time over a period not exceeding 15 minutes

24 Hour Composite Sample means a combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24 hour period

8 Hour Composite Sample means a combination of at least 3 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over an 8 hour period

Flow Proportional Composite Sample means a combination of sample aliquots of at least 100 milliliters collected at periodic intervals such that either the time interval between each aliquot or the volume of each aliquot is proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot

- (1) **Duty to comply.** The permittee must comply with all conditions of the permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application. The permittee shall comply with effluent standards or prohibitions established under Section 301(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions even if the permit has not yet been modified to incorporate the requirement.
- (2) **Duty to reapply.** If the permittee wishes to continue an activity regulated by the permit after the expiration date of the permit, the permittee must apply for and obtain a new permit. If the permittee submits a proper application as required by the Agency no later than 180 days prior to the expiration date, the permit shall continue in full force and effect until the final Agency decision on the application has been made.
- (3) **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- (4) **Duty to mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of the permit which has a reasonable likelihood of adversely affecting human health or the environment.
- (5) **Proper operation and maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operation staffing and training, and adequate laboratory and process controls including appropriate quality assurance procedures. This provision requires the operation of back up or auxiliary facilities, or similar systems only when necessary to achieve compliance with the conditions of the permit.

- (6) **Permit actions.** The permit may be modified, revoked and reissued, or terminated for cause by the Agency pursuant to 40 CFR 122.62. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- (7) **Property rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.
- (8) **Duty to provide information.** The permittee shall furnish to the Agency within a reasonable time, any information which the Agency may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Agency, upon request, copies of records required to be kept by the permit.
- (9) **Inspection and entry.** The permittee shall allow an authorized representative of the Agency upon the presentation of credentials and other documents as may be required by law to:
 - (a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit,
 - (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit,
 - (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment, processes, or operations regulated or required under this permit) and
 - (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance, or as otherwise authorized by the Act, any substances or parameters at any location.
- (10) **Monitoring and records.**
 - (a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
 - (b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of this permit, measurement, report or application. This period may be extended by request of the Agency at any time.
 - (c) Records of monitoring information shall include:
 - (1) The date, exact place, and time of sampling or measurements,
 - (2) The individual(s) who performed the sampling or measurements,
 - (3) The date(s) analyses were performed,
 - (4) The individual(s) who performed the analyses,
 - (5) The analytical techniques or methods used, and
 - (6) The results of such analyses.
 - (d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in the permit. Where no test procedure under 40 CFR Part 136 has been approved, the permittee must submit to the Agency a test method for approval. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.
- (11) **Signatory requirement.** All applications, reports or information submitted to the Agency shall be signed and certified:
 - (a) **Application.** All permit applications shall be signed as follows:
 - (1) For a corporation by a principal executive officer of at least the level of vice president or a person or position having overall responsibility for environmental matters for the corporation
 - (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 executive officer or ranking elected official.
 - (b) **Reports.** All reports required by permits, or other information requested by the Agency shall be signed by a person described in paragraph (a) or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - (1) The authorization is made in writing by a person described in paragraph (a), and
 - (2) The authorization specifies either an individual or a position responsible for the overall operation of the facility, from which the discharge originates, such as a plant manager, superintendent or person of equivalent responsibility, and
 - (3) The written authorization is submitted to the Agency