



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

015EK

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

THOMAS V. SKINNER, DIRECTOR

217/782-0610

April 24, 2000

AmerGen Energy Company, L.L.C.
965 Chesterbrook Boulevard
Wayne, Pennsylvania 19087-5691

Re: AmerGen Energy Company, L.L.C.
Clinton Power Station
NPDES Permit No. IL0036919
Final Permit

Gentlemen:

Attached is the final NPDES Permit for your discharge. The Permit as issued covers discharge limitations, monitoring, and reporting requirements. The failure of you to meet any portion of the Permit could result in civil and/or criminal penalties. The Illinois Environmental Protection Agency is ready and willing to assist you in interpreting any of the conditions of the Permit as they relate specifically to your discharge.

The Permit as issued is effective as of the date indicated on the first page of the Permit. You have the right to appeal any condition of the Permit to the Illinois Pollution Control Board within a 35 day period following the issuance date.

To assist you in meeting the self-monitoring and reporting requirements of your reissued NPDES permit, a supply of preprinted Discharge Monitoring Report (DMR) forms for your facility is being prepared. These forms will be sent to you prior to the initiation of DMR reporting under the reissued permit. Additional information and instructions will accompany the preprinted DMRs upon their arrival.

Should you have questions concerning the Permit, please contact Darin LeCrone at the telephone number indicated above.

Very truly yours,

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

TGM:SFN:DEL:99110501.dlk

Attachment: Final Permit

cc: Records
Compliance Assurance Section
Champaign Region
Peco Energy
Illinois Power Company

NPDES Permit No. IL0036919

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

Reissued (NPDES) Permit

Expiration Date: April 30, 2005

Issue Date: April 24, 2000

Effective Date: May 1, 2000

Name and Address of Permittee:

AmerGen Energy Company, L.L.C.
965 Chesterbrook Boulevard
Wayne, Pennsylvania 19087-5691

Facility Name and Address:

Clinton Power Station
Route 54 East, P.O. Box 678
Clinton, Illinois 61727
(DeWitt County)

Discharge Number and Name:

- 002 Discharge Flume
- A02 Sewage Treatment Plant Effluent
- B02 Radwaste Treatment System Effluent
- C02 Activated Carbon Treatment System Effluent
- 003 Water Treatment Wastes
- A03 Activated Carbon Treatment System Effluent
- 004 Transformer Area Oil/Water Separator
- 005 Diesel Generator Oil/Water Separator
- 006 Screenhouse Intake Screen Backwash
- 007 Safe Shutdown Service Water System
- 008 Station Service Water
- 009 Water Treatment Pond Area Runoff
- 010 Unit 2 Excavation Area Runoff
- 011 Sedimentation Pond Runoff
- 012 Employee Parking Lot and Adjacent Area Runoff
- 013 Boathouse and Screenhouse Area Runoff
- 014 Screenhouse and Pumphouse Area Runoff
- 015 Ultimate Heat Sink Dredge Pond Discharge

Receiving Waters:

Clinton Lake

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of Ill. Adm. Code, Subtitle C and/or Subtitle D, Chapter 1, and the Clean Water Act (CWA), 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

NPDES Permit No. IL0036919

Effluent Limitations and Monitoring

| LOAD LIMITS lbs/day DAF (DMF) | CONCENTRATION LIMITS mg/l |
|----------------------------------|------------------------------|
|----------------------------------|------------------------------|

| PARAMETER | LOAD LIMITS lbs/day | | CONCENTRATION LIMITS mg/l | | SAMPLE FREQUENCY | SAMPLE TYPE |
|---|---------------------|---------------|---------------------------|---------------|------------------|-------------|
| | 30 DAY AVERAGE | DAILY MAXIMUM | 30 DAY AVERAGE | DAILY MAXIMUM | | |
| 1. From the effective date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows: | | | | | | |
| Outfall: 002 - Discharge Flume | | | | | 965 MGD (max.) | |

This discharge consists of:

1. Main Condenser Cooling Water
2. Station Service Water*
3. Sewage Treatment Plant Effluent
4. Radwaste Treatment System Effluent
5. Raw Water Treatment Systems Containment Impounded Waters
6. Screenhouse Sump Discharges

Approximate Flow

- 880 MGD (max.)
- 85 MGD (max.)
- 0.093 MGD
- 0.072 MGD
- Intermittent
- Intermittent

| Parameter | Limit | Flow | Frequency | Sample Type |
|---------------------------|-------------------------|------|------------|-------------------------|
| Flow (MGD) | | | 1/Week | Estimate 24-Hour Total |
| pH | See Special Condition 1 | | 1/Week | Grab |
| Total Residual Chlorine** | | 0.2 | 1/Week | See Special Condition 3 |
| Total Residual Oxidant*** | | 0.05 | 1/Day | Grab |
| Temperature | See Special Condition 4 | | Continuous | See Special Condition 4 |

*Station Service Water discharge consists of various pump and bearing cooling waters, various heat exchangers, chillers, and HVAC system and fire protection system maintenance flush waters.

**See Special Conditions 3 and 6.

***See Special Condition 6.

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Effluent Limitations and Monitoring

| | |
|----------------------------------|------------------------------|
| LOAD LIMITS lbs/day DAF (DMF) | CONCENTRATION LIMITS mg/l |
|----------------------------------|------------------------------|

| PARAMETER | 30 DAY AVERAGE | DAILY MAXIMUM | 30 DAY AVERAGE | DAILY MAXIMUM | SAMPLE FREQUENCY | SAMPLE TYPE |
|-----------|-------------------|------------------|-------------------|------------------|---------------------|----------------|
|-----------|-------------------|------------------|-------------------|------------------|---------------------|----------------|

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

Outfall: A02 - Sewage Treatment Plant 0.093 MGD

This discharge consists of:

Approximate Flow

1. Extended Aeration Sewage Treatment Plant Effluent
2. Contact Stabilization Sewage Treatment Plant Effluent
3. Simulator Refrigeration Unit Condensation
4. Ventilation and Service Air Compressor Condensate Discharge
5. Equipment Maintenance Wastewaters
6. Fire Protection and Service Water
7. Laboratory Chemicals
8. Activated Carbon Treatment System Effluent

(DMF 0.0427 MGD)
(DMF 0.05 MGD)
Intermittent
Intermittent
Intermittent
Intermittent

| | | | | | | |
|------------------------|-------------------------|------|----|----|--------|-------------------|
| Flow (MGD) | | | | | 1/Week | 24 hr. total |
| pH | See Special Condition 1 | | | | 1/Week | Grab |
| BOD ₅ | 23.2 | 46.4 | 30 | 60 | 1/Week | 24 Hour Composite |
| Total Suspended Solids | 23.2 | 46.4 | 30 | 60 | 1/Week | 24 Hour Composite |

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Effluent Limitations and Monitoring

LOAD LIMITS lbs/day
DAF (DMF)

CONCENTRATION
LIMITS mg/l

| PARAMETER | LOAD LIMITS lbs/day | | CONCENTRATION LIMITS mg/l | | SAMPLE FREQUENCY | SAMPLE TYPE |
|-----------|---------------------|---------------|---------------------------|---------------|------------------|-------------|
| | 30 DAY AVERAGE | DAILY MAXIMUM | 30 DAY AVERAGE | DAILY MAXIMUM | | |

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

Outfall: B02 - Radwaste Treatment System Effluent

0.072 MGD (max)

This discharge consists of:

Approximate Flow

1. Equipment Drain Subsystem
2. Floor drain Subsystem
3. Laundry Waste Subsystem
4. Chemical Waste Subsystem
5. Laboratory Chemicals
6. Equipment Maintenance Wastewaters

Intermittent
Intermittent

Flow (MGD)

Continuous

Total Suspended Solids

15

30

1/Week

Grab*

Oil and Grease

15

20

1/Week

Grab*

*See Special Condition 12.

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Effluent Limitations and Monitoring

| | |
|----------------------------------|------------------------------|
| LOAD LIMITS lbs/day DAF (DMF) | CONCENTRATION LIMITS mg/l |
|----------------------------------|------------------------------|

| PARAMETER | 30 DAY AVERAGE | DAILY MAXIMUM | 30 DAY AVERAGE | DAILY MAXIMUM | SAMPLE FREQUENCY | SAMPLE TYPE |
|-----------|-------------------|------------------|-------------------|------------------|---------------------|----------------|
|-----------|-------------------|------------------|-------------------|------------------|---------------------|----------------|

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

Outfall: 003 - Water Treatment Wastes 0.288 MGD (max)

This discharge consists of:

Approximate Flow

1. Upflow filter backwash
2. Reverse Osmosis Unit reject waste
3. Mixed bed polishers off-spec. water
4. Sand filter backwash
5. Auxiliary boiler blowdown
6. Standby liquid control pump surveillance operation wastewater
7. Equipment Maintenance Wastewaters
8. Laboratory chemicals
9. Reverse osmosis unit cleaning chemicals
10. Activated carbon treatment system

0.060 MGD (max)
0.040 MGD (max)
Intermittent

Intermittent

| | | | | | |
|-------------------------|-------------------------|----|----|--------|-------------------|
| Flow (MGD) | | | | 1/Week | 24 hr. total |
| pH | See Special Condition 1 | | | 1/Week | Grab |
| Total Suspended Solids | | 15 | 30 | 1/Week | 24 Hour Composite |
| Total Dissolved Solids* | | | | 1/Week | 24 Hour Composite |

*Monitor Only.

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Effluent Limitations and Monitoring

| LOAD LIMITS lbs/day DAF (DMF) | CONCENTRATION LIMITS mg/l |
|----------------------------------|------------------------------|
|----------------------------------|------------------------------|

| PARAMETER | 30 DAY | DAILY | 30 DAY | DAILY | SAMPLE FREQUENCY | SAMPLE TYPE |
|-----------|---------|---------|---------|---------|---------------------|----------------|
| | AVERAGE | MAXIMUM | AVERAGE | MAXIMUM | | |

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

Outfall: C02 - Activated Carbon Treatment System Effluent
A03 - Activated Carbon Treatment System Effluent

| Flow (MGD) | | | 1/Month* | Measure When Monitoring |
|-----------------------------|-------|------|----------|-------------------------------|
| Oil and Grease | 15 | 30 | 1/Month* | Grab |
| Benzene | | 0.05 | 1/Month* | Grab |
| Ethylbenzene | 0.017 | 0.15 | 1/Month* | Grab |
| Toluene | 0.11 | 0.75 | 1/Month | Grab |
| Xylenes (total) | 0.117 | 0.75 | 1/Month* | Grab |
| Total BETX** | | 0.75 | 1/Month* | Calculation |
| Priority Pollutants PNAs*** | | 0.1 | 1/Month* | Grab |

*See Special Condition 15 for more frequent monitoring during first 3 months of operation.

**Benzene, Ethylbenzene, Toluene, and Xylenes.

***Not required for discharges involving only gasoline. See Special Condition 16.

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Effluent Limitations and Monitoring

| PARAMETER | LOAD LIMITS lbs/day DAF (DMF) | | CONCENTRATION LIMITS mg/l | | SAMPLE FREQUENCY | SAMPLE TYPE |
|-----------|----------------------------------|------------------|------------------------------|------------------|---------------------|----------------|
| | 30 DAY AVERAGE | DAILY MAXIMUM | 30 DAY AVERAGE | DAILY MAXIMUM | | |

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

Outfall: 004 - Transformer Area Oil - Water Separator

This discharge consists of:

Approximate Flow: Intermittent

1. Machine shop area floor drains
2. Paint storage room floor drains
3. Oil tank area and turbine oil transfer pump area drains
4. Transformer area drains
5. Diesel generator area oil/water separator
6. Equipment maintenance wastewaters

| | | | | |
|--------------|----|----|---------|----------|
| Flow (MGD) | | | 1/Month | Estimate |
| Oil & Grease | 15 | 20 | 1/Month | Grab |

Outfall: 005 - Diesel Generator Area Oil-Water Separator

This discharge consists of:

Approximate Flow: Intermittent

1. Diesel generator building floor drains
2. Diesel fuel area drains
3. Fuel unloading area drains
4. Equipment maintenance wastewaters
5. Transformer area oil/water separator

| | | | | |
|----------------|----|----|---------|----------|
| Flow (MGD) | | | 1/Month | Estimate |
| Oil and Grease | 15 | 20 | 1/Month | Grab |

Outfall: 006 - Screenhouse Intake Discharges*

This discharge consists of:

Approximate Flow: Intermittent

1. Screenhouse intake screen backwash
2. Warming line waters
3. Service water backflow
4. Raw water treatment system non-chlorinated sample waters

| | | | | |
|---------------------------|--|-------|--------|----------|
| Flow (MGD) | | | 1/Week | Estimate |
| Total Residual Chlorine** | | 0.2** | 1/Week | Grab |

*See Special Condition 5.

**See Special Condition 6.

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Effluent Limitations and Monitoring

| PARAMETER | LOAD LIMITS lbs/day | | CONCENTRATION | | SAMPLE FREQUENCY | SAMPLE TYPE |
|-----------|---------------------|---------------|----------------|---------------|------------------|-------------|
| | 30 DAY AVERAGE | DAILY MAXIMUM | 30 DAY AVERAGE | DAILY MAXIMUM | | |

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

Outfall: 007 - Safe Shutdown Service Water system

This discharge consists of:

Approximate Flow: 35.0 MGD

1. Equipment Cooling Water
2. Diesel Generator Cooling Water
3. Residual heat removal heat exchangers

| | | | | | |
|--------------------------|--|--|-------|--------|------------|
| Flow (MGD) | | | | | Continuous |
| Total Residual Chlorine* | | | 0.05* | 1/Week | Grab |

*See Special Condition 6.

Outfall: 008 - Station Service Water*

| | | | | | |
|-------------------------|--|--|--------|------------------------|------|
| Flow (MGD) | | | | Estimate 24 Hour Total | |
| Total Residual Chlorine | | | 0.05** | Daily When Discharging | Grab |

*This discharge consists of approximately 150,000 gallons of unheated pump bearing cooling waters, heat exchanger cooling waters, chiller waters, and HVAC cooling waters from the service water system, and fire protection system waters. This discharge occurs only during refueling and other forced outages.

**Measured as an instantaneous maximum.

- Outfalls: 009 - Water Treatment Pond Area Runoff
 010 - Unit 2 Excavation Area Runoff
 011 - Sedimentation Pond Runoff
 012 - Employee Parking Lot and Adjacent Area Runoff
 013 - Boathouse and Screenhouse Area Runoff
 014 - Screenhouse and Pumphouse Area Runoff

See Special Condition 14 for discharges of Stormwater.

Outfall: 015 - Ultimate Heat Sink Dredge Pond Discharge*

| | | | | | |
|------------------------|-------------------------|----|----|------------------------|------|
| Flow (MGD) | | | | Estimate 24 Hour Total | |
| pH | See Special Condition 1 | | | 1/Week | Grab |
| Total Suspended Solids | | 15 | 30 | 1/Week | Grab |

*See Special Condition 17.

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Special Conditions

SPECIAL CONDITION 1. The pH shall be in the range of 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 waters.

SPECIAL CONDITION 3. Continuous monitoring throughout a representative chlorination period shall be performed once per week above the second drop structure in the discharge flume during the respective chlorination period allowing for lag time between the initiation of chlorination and the point of sampling. If continuous monitoring cannot be performed, grab samples shall be taken in the discharge flume at five minute intervals or less during the respective chlorination period to develop a chlorine concentration curve allowing for lag time between the initiation of chlorination and the point of sampling before the first grab sample is taken. The individual values and average (mean) values for each set of grab samples shall be reported including the time samples were collected, the time and duration of the chlorine dosing period plus the amount (lbs/day) of chlorine applied. For continuous chlorine monitoring, analytical data from only one representative monitoring period each week need be reported on the monthly discharge monitoring report. For continuous monitoring, the chlorine concentration curve, the time of sampling, the time and duration of the chlorine dosing period plus the amount (lbs/day) of chlorine applied shall be reported.

If the permittee is submitting Discharge Monitoring Reports electronically, the permittee shall report the daily maximum and monthly average chlorine concentrations on the DMR. All remaining data such as the chlorine concentration curve, time of sampling, time and duration of dosing period, etc. as required by this special condition, shall immediately follow by mail.

If only service water is discharged to the discharge flume during a normal weekly monitoring period, a single grab sample may be taken for determining compliance with TRC limitations. The single grab sample must be taken during a representative chlorination period, with the duration of chlorination reported in the quarterly reports.

SPECIAL CONDITION 4. In accordance with IPCB Order PCB 92-142, the temperature of the discharge to Clinton Lake from Clinton Power Station, as measured at the second drop structure of the discharge flume, shall be limited to a daily average temperature which (1) does not exceed 99 degrees Fahrenheit during more than 90 days in a fixed calendar year running from January 1, through December 31, and (2) does not exceed 110.7 degrees Fahrenheit for any given day.

Compliance with the water temperature monitoring requirements shall be determined by reporting the daily average and daily maximum water temperature of the discharge. The number of days the daily average temperature exceeds 99.0° F during the calendar year shall also be reported.

If the permittee is submitting Discharge Monitoring Reports electronically, the permittee shall report the monthly average and daily maximum temperatures on the DMR. Other required data should immediately follow by mail.

SPECIAL CONDITION 5. The intake structure shall be operated and maintained in a professional manner so as to minimize the possible adverse impact on water quality which might result from the discharge of any collected debris or fish. So as to minimize possible adverse impacts, for purposes of this permit, the intake structure operation and maintenance shall include, but not be limited to, the following:

- a. Outer bar racks shall be routinely cleaned and collected debris properly disposed.

SPECIAL CONDITION 6. Chlorine and Chlorine Dioxide usage shall be subject to the following limitations:

- A. The limit of 0.2 for Total Residual Chlorine (TRC) measured as an instantaneous maximum, shall only apply to the intermittent use of chlorine. Intermittent usage is defined as the time when TRC is being discharged for two hours per day or less.
- B. During times of continuous chlorination, that is when TRC is discharged for more than two hours per day, the limit is 0.05 mg/l TRC, measured as an instantaneous maximum.
- C. All uses of Chlorine Dioxide, such as for Macro or Microinvertebrate control, and regardless of duration, are subject to the discharge limit of 0.05 mg/l TRO (Total Residual Oxidant), as an instantaneous maximum. TRO is defined as the sum total of TRC, chlorite, and chlorine dioxide.
- D. Analysis for chlorite and chlorine dioxide shall be performed according to 4500 - CLO₂ C. Amperometric Method I, as referenced in Standards Methods for the Examination of Water and Wastewater, Current Edition

SPECIAL CONDITION 7. There shall be no discharge of polychlorinated biphenyl compounds (PCBs).

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Special Conditions

SPECIAL CONDITION 8. In accordance with IPCB Order PCB 92-142, Clinton Power Station is required to conduct a continuous Temperature Monitoring Program at site 1.5 that will be located at a submerged depth of 0.5 meters in Salt Creek approximately 100 feet down the stream from the bottom of the spillway of Clinton Lake during the months of June, July, and August of each year, during the life of this permit. Results shall be submitted to the Agency by the following January.

SPECIAL CONDITION 9. Clinton Power Station's thermal demonstration pursuant to 35 Ill. Adm. Code 302.211(f) was approved by the IPCB and the alternative thermal standards of Special Condition 4 of this permit were granted by the IPCB (PCB 92-142) after fulfillment of the requirements of 35 Ill. Adm. Code 302.211(j).

SPECIAL CONDITION 10. Clinton Power Station's demonstration regarding water intake structure operations in accordance with Section 316(b) of the Clean Water Act under review by this Agency. Final action on this matter is pending.

SPECIAL CONDITION 11. Unused laboratory chemicals shall be discharged at a rate and in a manner so as not to upset normal operation or cause pass through at the sewage treatment plant, or the Radwaste Treatment System.

SPECIAL CONDITION 12. A grab sample shall be taken during the discharge of each Radwaste Treatment System effluent holding tank. A grab sample shall be taken each time a tank is discharged.

SPECIAL CONDITION 13. The permittee shall record monitoring results on Discharge Monitoring Report forms using one such form for each discharge each month. Flow (MGD) shall be reported as a 30-day average and a daily maximum.

The completed Discharge Monitoring Report forms shall be received by the IEPA either electronically or by mail, no later than the 15th day of the following month, unless otherwise specified by the permitting authority. If DMRs are submitted electronically, a hard copy shall follow by mail. 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
P.O. Box 19276
Springfield, Illinois 62794-9276
Attention: Compliance Assurance Section

SPECIAL CONDITION 14.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. Clinton Power Station shall make a copy of the plan available to the Agency at any reasonable time upon request.
- 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:

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Special Conditions

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.
 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.

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Special Conditions

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 procedure 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 retentive 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;
 - 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.

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Special ConditionsConstruction Authorization

- K. Authorization is hereby granted to construct treatment works and related equipment that may be required by the Storm Water Pollution Prevention developed pursuant to this permit.

This Authorization is issued subject to the following condition(s).

If any statement or representation is found to be incorrect, this authorization may be revoked and the permittee there upon waives all rights thereunder.

2. The issuance of this authorization (a) does not release the permittee from any liability for damage to persons or property caused by or resulting from the installation, maintenance or operation of the proposed facilities; (b) does not take into consideration the structural stability of any units or part of this project; and (c) does not release the permittee from compliance with other applicable statutes of the State of Illinois, or other applicable local law, regulations or ordinances.
3. Plans and specifications of all treatment equipment being included as part of the stormwater management practice shall be included in the SWPPP.
4. Construction activities which result from treatment equipment installation, including cleaning, grading and excavation activities which result in the disturbance of five acres or more of land area, are not covered by this authorization. The permittee shall contact the IEPA regarding the required permit(s).

REPORTING

- L. 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).
- M. 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 by October 31 of each year.
- N. Annual inspection reports shall be mailed to the following address:

Illinois Environmental Protection Agency
Bureau of Water
Compliance Assurance Section
Annual Inspection Report
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

- O. 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 15. During the first month of operation of a new discharge (Outfalls C02 and A03), the sample frequency shall be once per week. During the next two months the frequency shall be twice per month, and thereafter the frequency shall be once per month. Discharges of less than one week duration shall be monitored at least once per discharge event.

SPECIAL CONDITION 16. (Outfalls C02 and A03) Discharges of water which could have been impacted by any fuel other than gasoline shall analyze the discharge for the following polynuclear aromatic hydrocarbons.

Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
3,4 Benzofluoranthene

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Special Conditions

Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Chrysene
Dibenzo(a,h)anthracene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Penantrene
Pyrene

SPECIAL CONDITION 17. Prior to the initiation of discharge at Outfall 015, the permittee shall submit a completed Form 2D for this outfall. If necessary, based on the additional information submitted, the Agency may revise or modify the permit in order to comply with the Clean Water Act.

ATTACHMENT H

Standard Conditions

Definitions

Act means the Illinois Environmental Protection Act (Ch. 111 1-2 Ill. Rev. Stat., Sec. 1101) (1992 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 P.L. 85-623, as amended 33 U.S.C. 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 issuing and enforcing pretreatment requirements, under Sections 307, 402, 318 and 405 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 measurement) 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 or the time of sampling or the total stream flow since the collection of the previous aliquot.

(11) 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 all other standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirements.

(12) Duty to reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. If the permittee submits a permit 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.

(13) 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.

(14) Duty to mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

(15) 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 this permit. Proper operation and maintenance includes effective performance, adequate staffing, adequate operator training and testing, 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.

(16) 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 permittee for a permit modification, revocation and reissuance, or termination, notification of planned changes or anticipated noncompliance, does not stay permit conditions.

(17) Property rights. The permit does not convey any property rights of any sort or any exclusive privilege.

(18) Duty to provide information. The permittee shall furnish to the Agency with reasonable time, any information which the Agency may request to determine whether cause exists for modifying, revoking and reissuing, or terminating a permit, or to determine compliance with the permit. The permittee shall furnish to the Agency, upon request, copies of records required to be kept by permit.

(19) 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 located or conducted, or where records must be kept under the conditions of the permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) Inspect at reasonable times any facilities, equipment (including monitor and control equipment), practices, or operations regulated or require 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 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 this 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 procedures 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.