NPDES Permit No. IL0034592
Notice No. MEL\10092309.daa

Public Notice Beginning Date: **June 24, 2011**

Public Notice Ending Date: **July 25, 2011**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft Reissued NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois Environmental Protection Agency
Bureau of Water, Division of Water Pollution Control
Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-0610

Name and Address of Discharger:

Argonne National Laboratory
U.S. Department of Energy - ASO
9800 South Cass Avenue
Argonne, Illinois 60439

Name and Address of Facility:

Argonne National Laboratory
9700 South Cass Avenue
Argonne, Illinois 60439
(DuPage County)

The Illinois Environmental Protection Agency (IEPA) has made a tentative determination to issue a NPDES permit to discharge into the waters of the state and has prepared a draft permit and associated fact sheet for the above named discharger. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice/Fact Sheet. The last day comments will be received will be on the Public Notice period ending date unless a commentor demonstrating the need for additional time requests an extension to this comment period and the request is granted by the IEPA. Interested persons are invited to submit written comments on the draft permit to the IEPA at the above address. Commentors shall provide his or her name and address and the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to those issues. Commentors may include a request for public hearing. Persons submitting comments and/or requests for public hearing shall also send a copy of such comments or requests to the permit applicant. The NPDES permit and notice number(s) must appear on each comment page.

The application, engineer's review notes including load limit calculations, Public Notice/Fact Sheet, draft permit, comments received, and other documents are available for inspection and may be copied at the IEPA between 9:30 a.m. and 3:30 p.m. Monday through Friday when scheduled by the interested person.

If written comments or requests indicates a significant degree of public interest in the draft permit, the permitting authority may, at its discretion, hold a public hearing. Public notice will be given 45 days before any public hearing. Response to comments will be provided when the final permit is issued. For further information, please call Mark E. Liska at 217/782-0610.

The applicant is engaged in research activities in the physical, biomedical and environmental sciences as well as energy research and development (SIC 8733). Waste water is generated through the operation of a laboratory wastewater treatment plant, sanitary wastewater treatment plant, canal water treatment plant blowdown sludge and several cooling towers as well as stormwater runoff. Plant operation results in an average discharge of 0.60 MGD of treated sanitary wastewater and equalization pond emergency overflow from outfall A01, 0.46 MGD of treated laboratory wastewater, Area 319 leachate and contaminated groundwater, Area 317 contaminated groundwater, Building 376 oil/water separator effluent, canal water treatment plant clarifier sludge blowdown, cooling tower blowdown, overflow from cooling tower basins, equalization pond discharge and stormwater from remediation site excavations from outfall B01, 0.83 MGD of combined outfall A01 and B01 discharge from outfall 001, 0.014 MGD of steam condensate, footing tile sumps and stormwater from the 300 area from outfall B03, 0.010 MGD of stormwater, tile sumps and Building 205 south discharge from outfall C03, 0.008 MGD of steam trench discharge and groundwater from outfall D03, 0.005 MGD of Building 201 fire pond overflow from outfall F03, 0.02 MGD of steam condensate, footing tile sumps and stormwater from the northern reach of Building 201 from outfall G03, 0.003 MGD of stormwater from Building 212 area from H03, 0.012 MGD of stormwater, compressor discharges, steam condensate and footing tile sumps from outfall I03, 0.005 MGD of stormwater runoff from outfall J03, intermittent discharge of stormwater from outfalls K03, L03, M03 and N03, building 223

emergency chiller water and TCS building stormwater from outfall 004, intermittent discharge of stormwater from outfalls A05 and B05, 0.006 MGD of compressor discharge, condensate, and stormwater from the Building 200 west area from outfall C05, intermittent discharge of stormwater from Outfall D05, air conditioner condensate, floor drain (stormwater only), and stormwater from outfall E05, stormwater and emergency air compressor cooling water from outfall 006, 0.009 MGD of ZGS compressor cooling water and stormwater from outfall 007,East Area stormwater runoff from outfall 008, intermittent discharge of stormwater from outfalls 011, 012, 013, 014, A15, B15, A16 and B16, 0.027 MGD of stormwater and steam condensate from outfall 018, intermittent discharge of stormwater from outfalls 020, 021, A22, B22, 023, and 028, and 0.007 MGD of Building 315 steam condensate and stormwater from outfall 025, intermittent discharge of stormwater from outfall 026 and intermittent discharge of fire suppression system water and stormwater from outfall 027.

The following modifications are proposed:

The industrial discharge from outfalls H03 and J03 have been rerouted to the laboratory sewer (outfall B01). These outfalls will be stormwater outfalls only. Stormwater runoff from parking lot, roof drains, and footing tile sumps pertaining to the new TCS Building facility has been added to Outfall 004. Sanitary wastewater from approximately 750 people will discharge from the new TCS building to the sanitary sewer (outfall A01). Cooling tower blowdown and fire suppression test and drainage wastewater will discharge from the new TCS building to the laboratory sewer (outfall B01). Existing fire protection test and system flush water discharges has been added to outfalls 004, 006, 007, 012, 018, 025, 027, 028, B03, C03, C05, E05, G03, H03, I03, J03, K03, L03, M03, AND N03. Outfall E03 has been removed, as the wastewater going to that outfall has been rerouted to the laboratory sewer (outfall B01). Building 202 and 222 discharges to outfall 004 have been rerouted to the laboratory sewer. Building 200 hot water dischages to outfall C05 have been rerouted to the laboratory sewer. All industrial discharges to outfall E05 have been rerouted to the laboratory sewer. Cooling tower blowdown from outfall 006 has been rerouted to the laboratory sewer.

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
001	Sawmill Creek	41^0 41' 45"	North	87^0 57' 46"	West	General Use	C
A01, B01	n/a (internal wastestream)	41^0 41' 53"	North	87^0 57' 46"	West	n/a	n/a
B03	unnamed tributary to Sawmill Creek	41^0 42' 29"	North	87^0 58' 45"	West	General Use	Not Rated
C03	unnamed tributary to Sawmill Creek	41^0 42' 37"	North	87^0 59' 08"	West	General Use	Not Rated
D03	unnamed tributary to Sawmill Creek	41^0 42' 52"	North	87° 58' 46"	West	General Use	Not Rated
F03	unnamed tributary to Sawmill Creek	41^0 42' 50"	North	87° 58' 48"	West	General Use	Not Rated
G03	unnamed tributary to Sawmill Creek	41^0 42' 52"	North	87° 58' 47"	West	General Use	Not Rated
H03	unnamed tributary to Sawmill Creek	41^0 42' 51"	North	87° 58' 42"	West	General Use	Not Rated
I03	unnamed tributary to Sawmill Creek	41^0 42' 37"	North	87° 59' 11"	West	General Use	Not Rated
J03	unnamed tributary to Sawmill Creek	41^0 42' 51"	North	87° 58' 46"	West	General Use	Not Rated
K03	unnamed tributary to Sawmill Creek	41^0 42' 36"	North	87° 59' 11"	West	General Use	Not Rated

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
L03	unnamed tributary to Sawmill Creek	41° 42' 31"	North	87° 59' 22"	West	General Use	Not Rated
M03	unnamed tributary to Sawmill Creek	41° 42' 24"	North	87° 59' 30"	West	General Use	Not Rated
N03	unnammed tributary to Sawmill Creek	41° 42' 51"	North	87° 58' 50"	West	General Use	Not Rated
004	unnamed tributary to Sawmill Creek	41° 43' 05"	North	87° 58' 33"	West	General Use	Not Rated
A05	unnamed tributary to Sawmill Creek	41° 42' 57"	North	87° 59' 42"	West	General Use	Not Rated
B05	unnamed tributary to Sawmill Creek	41° 42' 47"	North	87° 59' 31"	West	General Use	Not Rated
C05, D05	unnamed tributary to Sawmill Creek	41° 42' 51"	North	87° 59' 24"	West	General Use	Not Rated
E05	unnamed tributary to Sawmill Creek	41° 43' 01"	North	87° 59' 14"	West	General Use	Not Rated
006	unnamed tributary to Des Plaines River	41° 42' 12"	North	87° 58' 32"	West	General Use	Not Rated
007	unnamed tributary to Des Plaines River	41° 42' 13"	North	87° 59' 21"	West	General Use	Not Rated
008	Sawmill Creek	41° 42' 59"	North	87° 59' 21"	West	General Use	C
011	unnamed tributary to Sawmill Creek	41° 34' 00"	North	87° 59' 10"	West	General Use	Not Rated
012	Sawmill Creek	41° 33' 50"	North	87° 58' 50"	West	General Use	C
013	unnamed tributary to Sawmill Creek	41° 33' 40"	North	87° 58' 10"	West	General Use	Not Rated
014	Sawmill Creek	41° 33' 40"	North	87° 57' 50"	West	General Use	C
A15, B15	Sawmill Creek	41° 31' 30"	North	87° 58' 00"	West	General Use	C
A16, B16	unnamed tributary to Sawmill Creek	41° 42' 00"	North	87° 57' 00"	West	General Use	Not Rated
018	unnamed tributary to Sawmill Creek	41° 42' 57"	North	87° 58' 10"	West	General Use	Not Rated
020	unnamed tributary to Des Plaines River	41° 42' 00"	North	87° 57' 50"	West	General Use	Not Rated
021	unnamed tributary to Des Plaines River	41° 42' 00"	North	87° 57' 50"	West	General Use	Not Rated
A22, B22	unnamed tributary to Des Plaines River	41° 42' 00"	North	87° 59' 30"	West	General Use	Not Rated

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
023	unnamed tributary to Sawmill Creek	41^0 42' 35"	North	88° 00' 10"	West	General Use	Not Rated
025	unnamed tributary to Des Plaines River	41^0 42' 10"	North	87° 59' 20"	West	General Use	Not Rated
026	Sawmill Creek	41^0 42' 15"	North	87° 58' 00"	West	General Use	C
027	unnamed tributary to Des Plaines River	41^0 43' 11"	North	87° 59' 30"	West	General Use	Not Rated
028	Freund Brook tributary to Sawmill Creek	41^0 42' 15"	North	87° 59' 00"	West	General Use	Not Rated

To assist you further in identifying the location of the discharge please see the attached map.

The stream segment receiving the discharge from outfall 001 is on the 303 (d) list of impaired waters. The following parameters have been identified as the pollutants causing impairment:

Pollutants	Potential Contributors
Aquatic Life	Velocity Patterns (Non-Pollutant), Methoxychlor, Other Flow Alterations, PCBs

Outfall: 001

	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Flow						35 IAC 309.146
pH						35 IAC 302.204
Chloride					500	35 IAC 302.208
Sulfate					500	35 IAC 302.208
Ammonia Nitrogen	(Spring/Fall) (Summer) (Winter)			1.6 1.6 4.8	9.1 14.7 10.9	35 IAC 302.212
Copper				0.0244	0.0395	35 IAC 302.208
Mercury				Monitor only		35 IAC 309.146
Beta Radioactivity				Monitor only		35 IAC 309.146
Phosphorus				Monitor only		35 IAC 309.146
Total Nitrogen				Monitor only		35 IAC 309.146
		Monthly Average Minimum	Weekly Average Minimum	Daily Minimum		
Dissolved Oxygen March - July August - February		NA 5.5	6 4	5 3.5		35 IAC 302.206

PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Outfall: A01						
Flow						35 IAC 309.146
pH						35 IAC 304.125
BOD_5				10	20	35 IAC 304.120(c)
Total Suspended Solids				12	24	35 IAC 304.120(c)
Outfall: B01						
Flow						35 IAC 309.146
pH						35 IAC 304.125
BOD_5	41.9	83.7		10	20	35 IAC 304.120(c)
Total Suspended Solids	50.2	100.5		12	24	35 IAC 304.120(c)
Mercury	0.0126	0.0251		0.003	0.006	35 IAC 304.126(b)
Oil & Grease	62.8	125.6		15	30	35 IAC 304.124
Iron (total)				Monitor only		35 IAC 309.146
COD				Monitor only		35 IAC 309.146
Outfall: D03						
Flow						35 IAC 309.146
pH						35 IAC 304.125
Temperature						35 IAC 302.211
Total Suspended Solids				Monitor Only		53 IAC 309.146

	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Outfall: G03						
Flow						35 IAC 309.146
pH						35 IAC 304.125
Temperature						35 IAC 302.211
Outfall: 004						
Flow						35 IAC 309.146
Total Residual Chlorine					0.05	40 CFR 125.3
Outfall: C05						
Flow						35 IAC 309.146
pH						35 IAC 302.208(e)
Outfall: 006						
Flow						35 IAC 309.146
Total Residual Chlorine					0.05	40 CFR 125.3
Outfall: 007						
Flow						35 IAC 309.146
pH						35 IAC 304.125
Temperature						35 IAC 302.211

	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Outfall: 021						
Flow						35 IAC 309.146
Iron (total)				Monitor only		35 IAC 309.146
Tritium				Monitor only		35 IAC 309.146
Priority Pollutants				Monitor only		35 IAC 309.146
Outfall: A22, B22						
Flow						35 IAC 309.146
Tritium				Monitor only		35 IAC 309.146
Outfall: 023						
Flow						35 IAC 309.146
Tritium				Monitor only		35 IAC 309.146
Outfall: 025						
pH						35 IAC 304.125
Temperature						35 IAC 302.211

Load Limit Calculations:

Load limit calculations for the following pollutant parameters at Outfall B01 were based on an average flow of 0.502 MGD and using the formula of average or maximum flow (MGD) X concentration limit (mg/l) X 8.34 = the average or maximum load limit (lbs/day): BOD_5, Total Suspended Solids, Mercury, and Oil and Grease.

The following explain the conditions of the proposed permit:

The permittee shall monitor the discharge from Outfall B01 semiannually for priority pollutants (excluding asbestos and dioxin). Biomonitoring is required annually for the discharge from Outfall 001. A Storm Water Pollution Prevention Plan shall be implemented and maintained for storm water runoff associated with industrial activities from Outfalls B03, C03, G03, H03, I03, J03, K03, L03, M03, N03, 004, A05, B05, C05, D05, E05, 006, 007, 008, 011, 012, 013, 014, A15, B15, A16, B16, 018, 020, 021, A22, A22, 023, 025, 026, 027, and 028. The Agency may modify the permit during its term to establish effluent limitations for any of the "monitor only" parameters listed for outfalls. The permittee shall submit, at minimum, a semi-annual summary report of the quantities of sludge generated and method of sludge disposal for both the Sanitary Wastewater Treatment Plant and the Laboratory Wastewater Treatment Plant.

Existing fire protection test and system flush water discharges has been added to outfalls 004, 006, 007, 012, 018, 025, 027, 028, B03, C03, C05, E05, G03, H03, I03, J03, K03, L03, M03, AND N03. These discharges are a once-per-year test and uses approximately 50-60 gallons of potable water. These are ongoing discharges that are being permitted for the first time and are not subject to antidegradation analysis pursuant to 35 Ill. Adm. Code 302.105 (d)(1). A Special Condition has been added to require that the permittee make a reasonal attempt to make sure that this discharge is used to irrigate local landscaping and not have it discharge to an outfall.

Limits for total dissolved solids have been removed from this permit pursuant to a change to water quality standards on September 8, 2008.

The permittee is constructing a new 150,000 ft^2 building, the Energy Sciences Building (ESB). This building will be connected to the sanitary (A01) and laboratory (B01) plants. While this building would add a sanitary discharge to the plant from the 220 occupants, all of these occupants would be coming from outdated, aging office/lab facilities from buildings 212, 200, 205, and 223. Because of this there would be no net effect on outfalls A01, B01 or 001. Furthermore, because the building will be LEED certified, in all likelihood the load on the sanitary plant will be less than before. Because of the factors listed above, there is no change in the average discharge from outfall 001 and outfall 001 is not subject to antidegradation analysis.

The permittee is constructing a new 50,000 ft^2 building, the Advanced Protein Crystallization Facility. This building will be connected to the sanitary (A01) and laboratory (B01) plants. While this building would add a sanitary discharge to the plant from the 90 occupants, all of these occupants would be coming from outdated, aging office/lab facilities from other buildings. Because of this there would be no net effect on outfalls A01, B01 or 001. Furthermore, because the building will be constructed under LEED Gold standards, in all likelihood the load on the sanitary plant will be less than before. Because of the factors listed above, there is no change in the average discharge from outfall 001 and outfall 001 is not subject to antidegradation analysis.

Public Notice of Draft Permit

Public Notice Number MEL\10092309.daa is hereby given by Illinois EPA, Division of Water Pollution Control, Permit Section, 1021 North Grand Avenue East, Post Office Box 19276, Springfield, Illinois 62794-9276 (herein Agency) that a draft reissued National Pollutant Discharge Elimination System (NPDES) Permit Number IL0034592 has been prepared under 40 CFR 124.6(d) for Argonne National Laboratory, U.S. Department of Energy - ASO, 9800 South Cass Avenue, Argonne, Illinois 60439 for discharge into Sawmill Creek, unnamed tributaries of Sawmill Creek and unnamed tributaries of the Des Plaines River from the Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois (DuPage County). Argonne National Laboratory is a research and development laboratory involved in research activities in the physical, biomedical and environmental sciences and serves as a center for energy research and development.

The application, draft permit and other documents are available for inspection and may be copied at the Agency between 9:30 A.M. and 3:30 P.M. Monday through Friday. A Fact Sheet containing more detailed information is available at no charge. For further information, call the Public Notice Clerk at 217/782-0610.

Interested persons are invited to submit written comments on the draft permit to the Agency at the above address. The NPDES Permit and Joint Public Notice numbers must appear on each comment page. All comments received by the Agency not later than 30 days from the date of this publication shall be considered in making the final decision regarding permit issuance.

Any interested person may submit written request for a public hearing on the draft permit, stating their name and address, the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to these issues in the hearing. Such requests must be received by the Agency not later than 30 days from the date of this publication.

If written comments and/or requests indicate a significant degree of public interest in the draft permit, the permitting authority may, at its discretion, hold a public hearing. Public notice will be given 30 days before any public hearing.

SAK:MEL\10092309.daa

NPDES Permit No. IL0034592

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

Expiration Date: Issue Date:

Effective Date:

Name and Address of Permittee:

Argonne National Laboratory
U.S. Department of Energy - ASO
9800 South Cass Avenue
Argonne, Illinois 60439

Facility Name and Address:

Argonne National Laboratory
9700 South Cass Avenue
Argonne, Illinois
DuPage County

Discharge Number	Name	Receiving Waters
001	Combined Discharge from Outfalls A01 and B01	Sawmill Creek
A01	Sanitary Wastewater Treatment Plant Effluent	Internal Wastestream
B01	Laboratory Wastewater Treatment Plant Effluent	Internal Wastestream
B03	Storm Water & Groundwater Discharge from 300 Area, Fire Protection Test Discharge (FPTD) Water	Unnamed Tributary to Sawmill Creek
C03	South Discharge from Building 205, FPTD Water	Unnamed Tributary to Sawmill Creek
D03	Steam Trench Discharge & Stormwater	Unnamed Tributary to Sawmill Creek
F03	Southern Reach at Building 201 - Fire Pond Overflow (Storm Water only)	Unnamed Tributary to Sawmill Creek
G03	Northern Reach at Building 201, FPTD Water	Unnamed Tributary to Sawmill Creek
H03	Stormwater, FPTD Water	Unnamed Tributary to Sawmill Creek
I03	South Storm Water Discharge - Buildings 200 and 211, FPTD Water	Unnamed Tributary to Sawmill Creek
J03	Stormwater, FPTD Water	Unnamed Tributary to Sawmill Creek
K03	Storm Water, FPTD Water	Unnamed Tributary to Sawmill Creek
L03	Storm Water, FPTD Water	Unnamed Tributary to Sawmill Creek
M03	Storm Water, FPTD Water	Unnamed Tributary to Sawmill Creek
N03	Storm Water, FPTD Water	Unnamed Tributary to Sawmill Creek
004	Storm Water, Emergency Chiller Water, FPTD Water	Unnamed Tributary to Sawmill Creek
A05	Westgate Road Storm Water	Unnamed Tributary to Sawmill Creek
B05	800 Area East Storm Water	Unnamed Tributary to Sawmill Creek
C05	Storm Water, Air Compressor Condensate, FPTD Water	Unnamed Tributary to Sawmill Creek
D05	Storm Water	Unnamed Tributary to Sawmill Creek
E05	Stormwater w/ Floor Drain, FPTD Water	Unnamed Tributary to Sawmill Creek
006	Storm Water, Emergency Compressor Cooling Water, FPTD Water	Unnamed Tributary to Des Plaines River
007	ZGS Compressor Cooling Water, Storm Water, FPTD Water	Unnamed Tributary to Des Plaines River
008	East Area Storm Water Runoff	Sawmill Creek
011	Storm Water	Unnamed Tributary to Sawmill Creek
012	Storm Water, FPTD Water	Sawmill Creek

NPDES Permit No. IL0034592

Number and Name:		Receiving Waters
013	Storm Water	Unnamed Tributary to Sawmill Creek
014, A15, B15	Storm Water	Sawmill Creek
A16, B16	Storm Water	Unnamed Tributary to Sawmill Creek
018	Storm Water, Compressor Condensate, FPTD Water	Unnamed Tributary to Sawmill Creek
020, 021, A22, B22	Storm Water	Unnamed Tributary to Des Plaines River
023	Storm Water from 800 Area Landfill	Unnamed Tributary to Sawmill Creek
025	Storm Water, Steam Condensate & Cooling Tower Drainage from Building 314 South, FPTD Water	Unnamed Tributary to Des Plaines River
026	Storm Water	Sawmill Creek
027	Storm Water & Fire Suppression System Water from CNM Building, FPTD Water	Unnamed Tributary to Des Plaines River
028	Storm Water from HTRL Building Area, FPTD Water	Freund Brook tributary to Sawmill Creek

In compliance with the provisions of the Illinois Environmental Protection Act, Subtitle C and/or Subtitle D 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.

Alan Keller, P.E.
Manager, Permit Section
Division of Water Pollution Control

SAK:MEL:10092309.daa

NPDES Permit No. IL0034592

Effluent Limitations and Monitoring

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:

	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
Outfall: 001 - DAF = 1.027 MGD (Total Discharge of Laboratory and Sanitary Waste)						
Flow (MGD)	See Special Condition 14			1/Week	RIT	
pH	See Special Condition 1				1/Week	Grab
Chlorides	Composite			500	1/Week	
Sulfates	Composite			500	1/Week	
Ammonia Nitrogen** (Spring/Fall)	Composite		1.6	9.1	1/Week	
(Summer)	Composite		1.6	14.7	1/Week	
(Winter)	Compostie		4.8	10.9	1/Week	
Copper	Composite		0.0244	0.0395	1/Month	
Beta Radioactivity				*	1/Month	Grab
Mercury***				*	1/Month	Grab
Phosphorus	Composite			*	1/Month	
Total Nitrogen	Composite			*	1/Month	

		Monthly Average Minimum	Weekly Average Minimum	Daily Minimum		
Dissolved Oxygen						
March - July		NA	6	5	2/Week	Grab
August - February		5.5	4	3.5	2/Week	Grab

Composite samples are a 24-hour composite one day per week or month.
*Monitor Only
**For Ammonia as Nitrogen, Spring/Fall is March-May and September-October; Summer is June-August; and Winter is November-February. Discharge from outfall 001 will also be subject to weekly average limits for Ammonia as Nitrogen. Weekly average limit for Spring/Fall and Summer is 4.1 mg/L. There are no weekly average limits that apply for Winter.
***See Special Condition 15.

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Effluent Limitations and Monitoring

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	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
Outfall: A01* - Sanitary Wastewater Treatment Plant Effluent (DAF = 0.51 MGD)						
	This discharge consists of: 1. Treated Sanitary Wastewater 2. Building 376 Oil/Water Separator Effluent 3. HTRL Building cage, rack, and autoclave wastewaters					
Flow (MGD)	See Special Condition 14				1/Week	RIT
pH	See Special Condition 1				1/Week	Grab
BOD_5			10	20	1/Week	Composite
Total Suspended Solids			12	24	1/Week	Composite

*See Special Condition 16.
Composite samples are a 24-hour composite one day per week.

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Effluent Limitations and Monitoring

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	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
Outfall: B01* - Laboratory Wastewater Treatment Plant Effluent (DAF = 0.502 MGD)						
	This discharge consists of: 1. Treated Laboratory Wastewater 2. Area 319 Leachate and Contaminated Groundwater 3. Area 317 Contaminated Groundwater 4. Canal Water Treatment Plant Clarifier Sludge Blowdown 5. Cooling Tower Blowdown and Overflow from Cooling Tower Basins 6. Stormwater from Remediation Site Excavations 7. Equalization Pond Excess Overflow					
Flow (MGD)	See Special Condition 14				1/Week	RIT
COD				**	1/Week	Grab
BOD_5	41.9 Composite	83.7	10	20	1/Week	
Total Suspended Solids	50.2 Composite	100.5	12	24	1/Week	
Mercury	0.0126 Composite	0.0251	0.003	0.006	1/Week	
pH	See Special Condition 1				1/Week	Grab
Iron (Total)	Composite			**	1/Month	
Oil & Grease	62.8	125.6	15	30	1/Week	Grab

Composite samples are a 24-hour composite one day per week or month.
*See Special Condition 16.
**Monitor Only

NPDES Permit No. IL0034592

Effluent Limitations and Monitoring

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:

	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
Outfalls: D03 - Storm Water & Steam Trench Footing Tile Drainage (Intermittent Discharge)					When Discharging	
Flow (MGD)	See Special Condition 14				1/Month	Single Reading
pH	See Special Condition 1				1/Month	Grab
Temperature	See Special Condition 2				1/Month	Single Reading
Total Suspended Solids				*	1/Month	Grab

*Monitor Only

Outfall: G03* - Storm Water & Steam Trench Footing Tile Drainage (Intermittent Discharge)					When Discharging	
Flow (MGD)	See Special Condition 14				1/Month	Single Reading
pH	See Special Condition 1				1/Month	Grab
Temperature	See Special Condition 2 Single				1/Month	Reading

*Limits and monitoring requirements do not apply to stormwater. See Special Condition 9 regarding stormwater.

Outfall: 004** - Storm Water, Emergency Chiller Water (Intermittent Discharge)					When Discharging	
Flow (MGD)	See Special Condition 14				1/Month	Single Reading
Total Residual Chlorine*				0.05	1/Month	Grab

*See Special Conditions 7.
**Limits and monitoring requirements do not apply to stormwater. If there is no dischargeof emergency chiller water during the month, the permittee may indicate "No Discharge" on the DMR form. See Special Condition 9 regarding stormwater.

NPDES Permit No. IL0034592

Effluent Limitations and Monitoring

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:

	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
Outfall: C05* - Storm Water & Air Compressor Condensate (Intermittent Discharge)					When Discharging	
Flow (MGD)	See Special Condition 14				1/Month	Single Reading
pH	See Special Condition 1				1/Month	Grab
Outfall: 006*** - Storm Water, Emergency Compressor Cooling Water (Intermittent Discharge)					When Discharging	
Flow (MGD)	See Special Condition 14				1/Month	Single Reading
Total Residual Chlorine**				0.05	1/Month	Grab

*Limits and monitoring requirements do not apply to stormwater. See Special Condition 9 regarding stormwater.
**See Special Conditions 7.
***Limits and monitoring requirements do not apply to stormwater. If there is no discharge of emergency compressor cooling water during the month, the permittee may indicate "No Discharge" on the DMR form. See Special Condition 9 regarding stormwater.

NPDES Permit No. IL0034592

Effluent Limitations and Monitoring

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:

	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
Outfall: 007* - Storm Water & Compressor Cooling Wate (DAF = 0.027 MGD)					When Discharging	
Flow (MGD)	See Special Condition 14				1/Month	Single Reading
pH	See Special Condition 1				1/Month	Grab
Temperature	See Special Condition 2				1/Month	Single Reading
Outfall: 021 - Storm Water (319 Area) (Intermittent Discharge)					When Discharging	
Flow (MGD)	See Special Condition 14				1/Month	Single Reading
Iron (total)				Monitor Only	1/Month	Grab
Tritium				Monitor Only	1/Month	Grab
Priority Pollutants**				Monitor Only	1/Year	Grab

*Limits and monitoring requirements do not apply to stormwater. See Special Condition 9 regarding stormwater.
**as defined in 40 CFR 423, Appendix A

NPDES Permit No. IL0034592

Effluent Limitations and Monitoring

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:

	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
Outfall: A22, B22 - Storm Water (317 Area East & West) (Intermittent Discharge)					When Discharging	
Flow (MGD)	See Special Condition 14				2/Year	Single Reading
Tritium				Monitor Only	2/Year	Grab
Outfall: 023 - Stormwater (800 Area Landfill) (Intermittent Discharge)				When Discharging		
Flow (MGD)	See Special Condition 14				1/Month	Single Reading
Tritium				Monitor Only	1/Month	Grab
Outfall: 025** - Storm Water, Steam Condensate (DAF = 0.015MGD) When Discharging						
Flow (MGD)	See Special Condition 14				1/Month	Single Reading
pH	See Special Condition 1				1/Month	Grab
Temperature	See Special Condition 2				1/Month	Single Reading

*See Special Conditions 7
**Limits do not apply to stormwater. See Special Condition 9 regarding stormwater.

Outfall:B03, F03,H03, J03, I03, K03, L03, M03, N03, A05, B05, D05, E05, 008, 011, 012, 013, 014, A15, B15, A16, B16, 018, 020, 021, A22, B22, 023, 026, 027, and 028 - Storm Water*

* See Special Condition 9 for Stormwater Pollution Prevention Plan

Special Conditions

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

SPECIAL CONDITION 2. 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 $5^{o}F$ ($2.8^{o}C$).

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 $3^{o}F$ ($1.7^{o}C$). (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.)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
^{o}F	60	60	60	90	90	90	90	90	90	90	90	60
^{o}C	16	16	16	32	32	32	32	32	32	32	32	16

SPECIAL CONDITION 3. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of each discharge, but prior to combining with other waste streams and prior to entry into the receiving stream.

SPECIAL CONDITION 4. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month.

The Permittee may choose to submit electronic DMRs (eDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the eDMR program, can be obtained on the IEPA website, http://www.epa.state.il.us/water/edmr/index.html.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 25th day of the following month, unless otherwise specified by the permitting authority.

Permittees not using eDMRs shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
Attention: Compliance Assurance Section, Mail Code # 19

Sample results for semi-annual monitoring required under Outfalls 021 shall be submitted to the Agency with the December DMR. Results from the semiannual monitoring of outfalls A22 and B22 shall be submitted to the Agency with the DMRs for May and December.

SPECIAL CONDITION 5. The permittee shall monitor the discharge from Outfall B01 for the priority pollutants listed in 40 CFR 423, Appendix A (attached), excluding asbestos and dioxin, using analytical test methods approved under 40 CFR 136 or other approved procedures. This monitoring shall be done on a semiannual basis during the months of June and December. The June sampling shall be conducted at the same time as the aquatic toxicity testing specified under Special Condition 6. The discharge samples shall be composite samples except for the volatile compounds for which grab sampling is required. Sampling results shall be reported in units of mg/l or ppb down to analytical detection limits which shall be comparable with the method detection limits in the 40 CFR 136 regulations. Sampling results shall be submitted to the IEPA by September 30 and March 31 following each semiannual sampling. Reports shall be mailed to:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

Special Conditions

The Agency may modify this permit during its term to incorporate additional requirements or limitations based on the results of sampling as required under this Special Condition. Modification of the permit shall follow public notice and opportunity for hearing.

SPECIAL CONDITION 6. The permittee shall perform acute toxicity testing on the effluent from Outfall 001, on an annual basis during the month of June. The testing shall be performed on the Fathead Minnow and Ceriodaphnia. All tests should be conducted using methods outlined in "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms" (EPA-821-R-02-012, 5th Edition) and "Environmental Effects Tests Guidelines" (USEPA/560-6-82-002). The IEPA specifications for these tests, given in "Effluent Biomonitoring and Toxicity Assessment -- Aquatic Life Concerns", must also be met.

Testing shall be conducted on fish over a 96-hour period while invertebrates should be tested over a 48-hour period. Tests should be performed on 100% effluent and effluent diluted with receiving stream waters at effluent concentrations of 90%, 80%, 70%, 60%, and 50% effluent. This dilution regime should be adjusted as the effluent toxicity becomes known to achieve at least two concentrations higher and two lower than the expected LC50.

Sampling results shall be submitted to IEPA by September 30 following each annual sampling. Reports shall be mailed to:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section, Mail Code #19
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

The Agency may modify this permit during its term to require a Toxicity Reduction Evaluation (TRE), as described in EPA 600/2-88/070, based on the results of acute toxicity testing performed under this Special Condition. Modification under this Special Condition shall follow public notice and opportunity for hearing.

SPECIAL CONDITION 7. All samples for total residual chlorine (TRC) shall be analyzed by an applicable method contained in 40 CFR 136, equivalent in accuracy to low-level amperometric titration.

The water quality standard for TRC (0.011 mg/l ave. and 0.019 mg/l max.) is below the method detection level (0.05 mg/l) as described in 40 CFR 136. Therefore, for the purpose of this permit, the method detection level will be utilized to determine compliance with the permit limit for TRC. A measurement of <0.05 mg/l reported on the DMR shall not be considered a violation of the water quality based effluent limit. This reporting threshold is being established to determine compliance and does not authorize the discharge of TRC in excess of the water quality based effluent limit.

SPECIAL CONDITION 8. The permittee shall make a reasonal attempt to make sure that fire test suppression test discharge water and hydrant testing discharge water is used to irrigate local landscaping and not discharge to an outfall.

SPECIAL CONDITION 9. The permittee shall implement the following Storm Water Pollution Prevention Plan for storm water runoff associated with industrial activities from Outfalls B03, C03, F03, G03, H03, I03, J03, K03, L03, M03, N03, 004, A05, B05, C05, D05, E05, 006, 007, 008, 011, 012, 013, 014, A15, B15, A16, B16, 018, 020, 021, A22, B22, 023, 025, 026, 027 and 028.

STORM WATER POLLUTION PREVENTION PLAN

A. A storm water pollution prevention plan shall be maintained by the permittee for the storm water associated with industrial activity at this facility. The plan shall identify 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 owner or operator of the facility 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.

Special Conditions

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 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.

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.

Special Conditions

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;

   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.

Special Conditions

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 122.44(k).

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 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:

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 10. The Agency may modify this permit during its term to establish effluent limitations for the monitor-only parameters listed under Outfalls 001, B01, D03, 021, A22, B22, and 023. Modification under this Special Condition shall follow public notice and opportunity for hearing.

SPECIAL CONDITION 11. The use or operation of both the oil/water separator system in Building 376 and the laboratory wastewater treatment plant at this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 12. The use or operation of the sanitary wastewater treatment plant shall be by or under the supervision of a Certified Class 3 operator.

SPECIAL CONDITION 13. The permittee shall monitor the discharge from Outfall 021 for the priority pollutants listed on Attachment A to this permit, excluding asbestos and dioxin. Monitoring shall be performed once/year, using analytical test methods approved under 40 CFR 136 or other approved procedures.

SPECIAL CONDITION 14. Flow shall be reported, in a million gallons per day (MGD), as a monthly average and a daily maximum value. In the event that no discharge occurs during a given month, a statement of “No discharge” shall be reported on the DMR submitted for that month.

Special Conditions

SPECIAL CONDITION 15. All samples for mercury shall be analyzed using EPA Method 1631.

SPECIAL CONDITION 16. For the duration of this Permit, the Permittee shall determine the quantity of sludge produced by both the Sanitary Wastewater Treatment Plant and the Laboratory Wastewater Treatment Plant in dry tons or gallons with average percent total solids analysis. The Permittee shall maintain adequate records of the quantities of sludge produced by each treatment system and have said records available for IEPA inspection. For each system, the Permittee shall submit to the IEPA, at a minimum, a semi-annual summary report of the quantities of sludge generated and disposed of, in units of dry tons or gallons (average total percent solids) by different disposal methods including but not limited to application on farmland, application on reclamation land, landfilling, public distribution, dedicated land disposal, sod farms, storage lagoons or any other specified disposal method. Said reports shall be submitted to the IEPA by March 31 and September 30 of each year reporting the preceding six month interval (September through February and March through August) of sludge disposal operations. The Permittee shall retain records of all required sludge monitoring and reports for a period of at least five (5) years from the issue date of this Permit.

Monitoring reports for sludge shall be reported on the form titled “Sludge Management Reports”, using one form for each treatment facility, to the following address:

Illinois Environmental Protection Agency
Bureau of Water
Compliance Assurance Section
Mail Code #19
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276