NPDES Permit No. IL0070777
Notice No. SMT:14081201.smt

Public Notice Beginning Date: **November 18, 2014**

Public Notice Ending Date: **December 18, 2014**

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:

Dynachem Inc.
Post Office Box 19
Georgetown, Illinois 61846

Name and Address of Facility:

Dynachem Inc.
1 Maple Grove Road
Georgetown, Illinois 61846
(Vermiliom 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 regard 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 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 45 days before any public hearing. Response to comments will be provided when the final permit is issued. For further information, please call Shu-Mei Tsai at 217/782-0610.

The applicant is engaged in the manufacturing of epoxy and phenolic resins used for adhesives, coatings, encapsulants, and cements. They also produce sulfonic acids which are used as catalysts and curing agents (SIC 2899/2821/2869). Plant operation results in an average discharge of 0.0442 MGD of treated wastewater and SWRB emergency overflow from outfall 001, an average discharge of 0.0442 MGD of boiler blowdown, cooling tower blowdown, ion exchange regenerant, treated groundwater, treated stormwater, non-contact cooling water, and water softener regenerant from internal outfall A01 and an intermittent discharge of untreated contact and non-contact stormwater and non-contact cooling water from internal outfall B01.

Application is made for new and existing discharges which are located in Vermilion County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
001	Drain Tile to Ellis Branch Tributary to Little Vermilion River	40° 00' 21"	North	87° 38' 42"	West	General Use	Not Rated

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

The stream segment BOL receiving the discharge from outfall 001 is not on the draft 2014 Illinois Integrated Water Quality Report and Section 303(d) List. The receiving water has not been listed as biologically significant in the 2008 Illinois Department of Natural Resources publication *Integrating Multiple Taxa in a Biological Stream Rating System*.

The discharge(s) from the facility 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	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Outfall 001: Treated Wastewater & SWRB Emergency Overflow (DAF = 0.0442 MGD)						
Flow (MGD)						
Outfall A01: Treated Wastewater (DAF = 0.0442 MGD)						
Flow (MGD)						
pH				6.5 – 9.0 s.u.		35 IAC 302.204
Temperature						35 IAC 302.211
Total Residual Chlorine		0.018	40 CFR 125.3		0.05	40 CFR 125.3
Total Suspended Solids	4.424	8.847	35 IAC 304.120	12	24	35 IAC 304.120
Chlorides		184	35 IAC 302.208		500	35 IAC 302.208
Sulfate		184	35 IAC 302.208		500	35 IAC 302.208
BOD_5	3.686	7.373	35 IAC 304.120	10	20	35 IAC 304.120
Acenaphthene	0.007	0.017	40 CFR 414	0.019	0.047	40 CFR 414
Acenaphthylene	0.007	0.017	40 CFR 414	0.019	0.047	40 CFR 414
Acrylonitrile	0.035	0.086	40 CFR 414	0.094	0.232	40 CFR 414
Anthracene	0.007	0.017	40 CFR 414	0.019	0.047	40 CFR 414
Benzene	0.021	0.049	40 CFR 414	0.057	0.134	40 CFR 414
Benzo(a)anthracene	0.007	0.017	40 CFR 414	0.019	0.047	40 CFR 414
3,4-Benzofluoranthene	0.007	0.018	40 CFR 414	0.02	0.048	40 CFR 414
Benzo(k)fluoranthene	0.007	0.017	40 CFR 414	0.019	0.047	40 CFR 414

	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Benzo(a)pyrene	0.007	0.018	40 CFR 414	0.02	0.048	40 CFR 414
Bis (2-ethylhexyl) phthalate	0.035	0.095	40 CFR 414	0.095	0.258	40 CFR 414
Carbon Tetrachloride	0.052	0.14	40 CFR 414	0.142	0.38	40 CFR 414
Chlorobenzene	0.052	0.14	40 CFR 414	0.142	0.38	40 CFR 414
Chloroethene	0.041	0.109	40 CFR 414	0.11	0.295	40 CFR 414
Chloroform	0.041	0.12	40 CFR 414	0.111	0.325	40 CFR 414
Chrysene	0.007	0.017	40 CFR 414	0.019	0.047	40 CFR 414
Di-n-butyl phthalate	0.007	0.016	40 CFR 414	0.02	0.043	40 CFR 414
1,2-Dichlorobenzene	0.072	0.293	40 CFR 414	0.196	0.794	40 CFR 414
1,3-Dichlorobenzene	0.052	0.14	40 CFR 414	0.142	0.38	40 CFR 414
1,4-Dichlorobenzene	0.052	0.14	40 CFR 414	0.142	0.38	40 CFR 414
1,1-Dichloroethane	0.008	0.022	40 CFR 414	0.022	0.059	40 CFR 414
1,2-Dichloroethane	0.066	0.212	40 CFR 414	0.18	0.574	40 CFR 414
1,1-Dichloroethylene	0.008	0.022	40 CFR 414	0.022	0.06	40 CFR 414
1,2-trans-Dichloroethylene	0.009	0.024	40 CFR 414	0.025	0.066	40 CFR 414
1,2-Dichloropropane	0.072	0.293	40 CFR 414	0.196	0.794	40 CFR 414
1,3-Dichloropropylene	0.072	0.293	40 CFR 414	0.196	0.794	40 CFR 414
Diethyl phthalate	0.017	0.042	40 CFR 414	0.046	0.113	40 CFR 414
2,4-Dimethylphenol	0.007	0.017	40 CFR 414	0.019	0.047	40 CFR 414
Dimethyl phthalate	0.007	0.017	40 CFR 414	0.019	0.047	40 CFR 414
4,6-Dinitro-o-cresol	0.029	0.102	40 CFR 414	0.078	0.277	40 CFR 414
2,4-Dinitrophenol	0.445	1.582	40 CFR 414	1.207	4.291	40 CFR 414
Ethylbenzene	0.005	0.055	35 IAC 302.208	0.014	0.15	35 IAC 302.208
Fluoranthene	0.008	0.02	40 CFR 414	0.022	0.054	40 CFR 414
Fluorene	0.007	0.017	40 CFR 414	0.019	0.047	40 CFR 414
Hexachlorobenzene	0.072	0.293	40 CFR 414	0.196	0.794	40 CFR 414
Hexachlorobutadiene	0.052	0.14	40 CFR 414	0.142	0.38	40 CFR 414
Hexachloroethane	0.072	0.293	40 CFR 414	0.196	0.794	40 CFR 414
Methyl Chloride	0.041	0.109	40 CFR 414	0.11	0.295	40 CFR 414
Methylene Chloride	0.013	0.063	40 CFR 414	0.036	0.17	40 CFR 414
Naphthalene	0.007	0.017	40 CFR 414	0.019	0.047	40 CFR 414

	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Nitrobenzene	0.825	2.36	40 CFR 414	2.237	6.402	40 CFR 414
2-Nitrophenol	0.024	0.085	40 CFR 414	0.065	0.231	40 CFR 414
4-Nitrophenol	0.06	0.212	40 CFR 414	0.162	0.576	40 CFR 414
Phenanthrene	0.007	0.017	40 CFR 414	0.019	0.047	40 CFR 414
Phenol	0.007	0.017	40 CFR 414	0.019	0.047	40 CFR 414
Pyrene	0.007	0.017	40 CFR 414	0.02	0.048	40 CFR 414
Tetrachloroethylene	0.019	0.06	40 CFR 414	0.052	0.164	40 CFR 414
Toluene	0.01	0.027	40 CFR 414	0.028	0.074	40 CFR 414
Chromium (Total)	0.369	0.737	35 IAC 304.124	1	2	35 IAC 304.124
Copper (Total)	0.184	0.369	35 IAC 304.124	0.5	1	35 IAC 304.124
Lead (Total)	0.074	0.147	35 IAC 304.124	0.2	0.4	35 IAC 304.124
Nickel (Total)	0.004	0.065	35 IAC 302.208	0.011	0.176	35 IAC 302.208
Zinc (Total)	0.369	0.737	35 IAC 304.124	1	2	35 IAC 304.124
1,2,4-Trichlorobenzene	0.072	0.293	40 CFR 414	0.196	0.794	40 CFR 414
1,1,1-Trichloroethane	0.008	0.022	40 CFR 414	0.022	0.059	40 CFR 414
1,1,2-Trichloroethane	0.012	0.047	40 CFR 414	0.032	0.127	40 CFR 414
Trichloroethylene	0.01	0.025	40 CFR 414	0.026	0.069	40 CFR 414
Vinyl Chloride	0.036	0.063	40 CFR 414	0.097	0.172	40 CFR 414
Iron (Total)	0.737	1.475	35 IAC 304.124	2	4	35 IAC 304.124
Manganese	0.369	0.737	35 IAC 304.124	1	2	35 IAC 304.124
Xylenes	0.133	0.339	35 IAC 302.208	0.36	0.92	35 IAC 302.208
2-Methylphenol	0.136	1.733	35 IAC 302.208	0.37	4.7	35 IAC 302.208
4-Methylphenol	0.044	0.247	35 IAC 302.208	0.12	0.67	35 IAC 302.208
Styrene	0.074	0.922	35 IAC 302.208	0.2	2.5	35 IAC 302.208
Cis-1,2-Dichloroethene	0.405	5.161	35 IAC 302.208	1.1	14	35 IAC 302.208
Ammonia (as N)				30 Day	Weekly	Daily Maximum
March - May; September - October				1.5	3.8	3.7
June - August				0.9	2.3	4.5
November - February				2.6		4.9
Outfall B01: SWRB Emergency Overflow (intermittent Discharge)						

35 IAC 302.212

	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Flow (MGD)						
pH				6.5 – 9.0 s.u.		35 IAC 302.204
Total Suspended Solids				12	24	35 IAC 304.120
BOD_5				10	20	35 IAC 304.120
Acenaphthene				0.019	0.047	40 CFR 414
Acenaphthylene				0.019	0.047	40 CFR 414
Acrylonitrile				0.094	0.232	40 CFR 414
Anthracene				0.019	0.047	40 CFR 414
Benzene				0.057	0.134	40 CFR 414
Benzo(a)anthracene				0.019	0.047	40 CFR 414
3,4-Benzofluoranthene				0.02	0.048	40 CFR 414
Benzo(k)fluoranthene				0.019	0.047	40 CFR 414
Benzo(a)pyrene				0.02	0.048	40 CFR 414
Bis (2-ethylhexyl) phthalate				0.095	0.258	40 CFR 414
Carbon Tetrachloride				0.142	0.38	40 CFR 414
Chlorobenzene				0.142	0.38	40 CFR 414
Chloroethene				0.11	0.295	40 CFR 414
Chloroform				0.111	0.325	40 CFR 414
Chrysene				0.019	0.047	40 CFR 414
Di-n-bytyl phthalate				0.02	0.043	40 CFR 414
1,2-Dichlorobenzene				0.196	0.794	40 CFR 414
1,3-Dichlorobenzene				0.142	0.38	40 CFR 414
1,4-Dichlorobenzene				0.142	0.38	40 CFR 414
1,1-Dichloroethane				0.022	0.059	40 CFR 414
1,2-Dichloroethane				0.18	0.574	40 CFR 414
1,1-Dichloroethylene				0.022	0.059	40 CFR 414
1,2-trans-Dichloroethylene				0.025	0.066	40 CFR 414
1,2-Dichloropropane				0.196	0.794	40 CFR 414
1,3-Dichloropropylene				0.196	0.794	40 CFR 414
Diethyl phthalate				0.046	0.113	40 CFR 414
2,4-Dimethylphenol				0.019	0.047	40 CFR 414

	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Dimethyl phthalate				0.019	0.047	40 CFR 414
4,6-Dinitro-o-cresol				0.078	0.277	40 CFR 414
2,4-Dinitrophenol				1.207	4.291	40 CFR 414
Ethylbenzene				0.014	0.15	35 IAC 302.208
Fluoranthene				0.022	0.054	40 CFR 414
Fluorene				0.019	0.047	40 CFR 414
Hexachlorobenzene				0.196	0.794	40 CFR 414
Hexachlorobutadiene				0.142	0.38	40 CFR 414
Hexachloroethane				0.196	0.794	40 CFR 414
Methyl Chloride				0.11	0.295	40 CFR 414
Methylene Chloride				0.036	0.17	40 CFR 414
Naphthalene				0.019	0.047	40 CFR 414
Nitrobenzene				2.237	6.402	40 CFR 414
2-Nitrophenol				0.065	0.231	40 CFR 414
4-Nitrophenol				0.162	0.576	40 CFR 414
Phenanthrene				0.019	0.047	40 CFR 414
Phenol				0.019	0.047	40 CFR 414
Pyrene				0.02	0.048	40 CFR 414
Tetrachloroethylene				0.052	0.164	40 CFR 414
Toluene				0.028	0.074	40 CFR 414
1,2,4-Trichlorobenzene				0.196	0.794	40 CFR 414
1,1,1-Trichloroethane				0.022	0.059	40 CFR 414
1,1,2-Trichloroethane				0.032	0.127	40 CFR 414
Trichloroethylene				0.026	0.069	40 CFR 414
Vinyl Chloride				0.097	0.172	40 CFR 414
2-Methylphenol				0.37	4.7	40 CFR 122.44L
4-Methylphenol				0.12	0.67	40 CFR 122.44L
Xylenes				0.11	0.92	35 IAC 302.208

Load Limit Calculations:

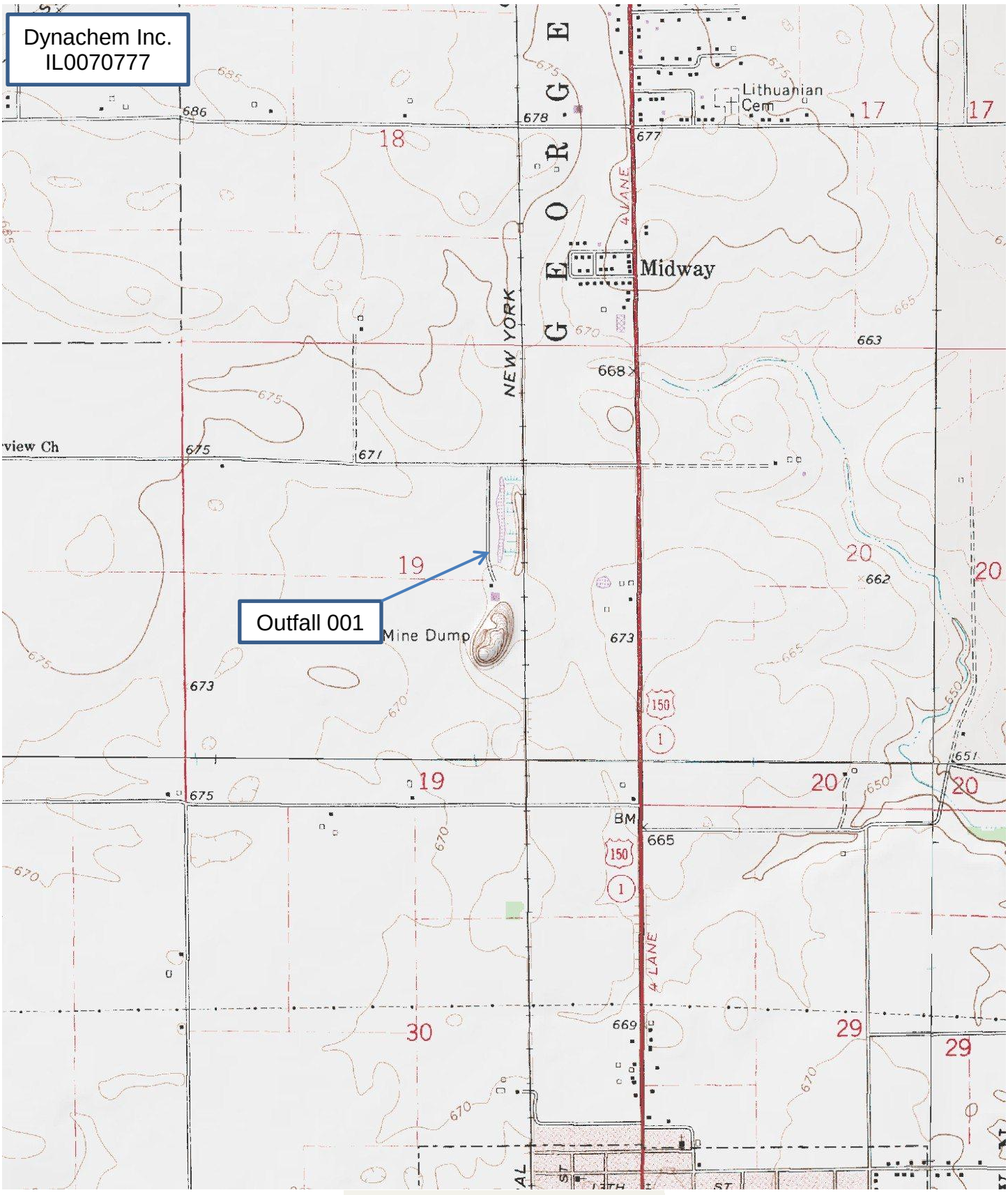
Load limit calculations for the following pollutant parameters were based on a maximum flow of 0.0442 MGD using the formula of maximum flow (MGD) X concentration limit (mg/l) X 8.34 = the average or maximum load limit (lbs/day): Total Suspended Solids, Chloride, Sulfate, BOD_5, Benzene, Ethylbenzene, Phenol, Toluene, Chromium (Total), Copper (Total), Lead (Total), Nickel (Total),

Zinc (Total), Iron (Total), Manganese, Xylenes, 2-Methylphenol, 4-Methylphenol, 2-4-Dimethylphenol, Styrene, Cis-1,2-Dichloroethene, Tetrachloroethylene, Trichloroethylene, 1,1-Dichloroethylene, and Ammonia (as N).

The load limits appearing in the permit will be the more stringent of the State and Federal Guidelines.

The following explain the conditions of the proposed permit:

The Special Conditions clarify flow, pH, temperature, total residual chlorine, monitoring location, discharge monitoring report submission, and BAT/BCT for stormwater.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Outfall 001
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NPDES Permit No. IL0070777

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:

Issue Date:
Effective Date:

Name and Address of Discharger:

Dynachem Inc.
Post Office Box 19
Georgetown, Illinois 61846

Name and Address of Facility:

Dynachem Inc.
1 Maple Grove Road
Georgetown, Illinois 61846
(Vermiliom County)

Discharge Number and Name:	Receiving Waters:
001 Treated Wastewater & SWRB Emergency Overflow	Drain Tile to Ellis Branch Tributary to Little Vermilion River
A01 Treated Wastewater	Drain Tile to Ellis Branch Tributary to Little Vermilion River
B01 SWRB Emergency Overflow	Drain Tile to Ellis Branch Tributary to Little Vermilion River

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.

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

SAK:SMT:14081201.smt

NPDES Permit No. IL0070777

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:

Outfall 001: Treated Wastewater & SWRB Emergency Overflow (DAF = 0.0442 MGD)

	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
Flow (MGD)	See Special Condition 1				Measure When Monitoring	

NPDES Permit No. IL0070777

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:

Outfall A01 - Treated Wastewater** (DAF = 0.0442 MGD)

The discharge consists of:

1. Boiler Blowdown
2. Cooling Tower Blowdown
3. Ion Exchange Regenerant
4. Groundwater
5. Contact & Non-Contact Stormwater
6. Non-Contact Cooling Water
7. Water Softener Regenerant

Flow (MGD)	See Special Condition 1				Measure When Monitoring	
pH	See Special Condition 2				1/Month	Grab
Temperature	See Special Condition 3		15	30	1/Month	Grab
Total Residual Chlorine	See Special Condition 4		15	20	1/Month	Grab
Total Suspended Solids	4.424	8.847	12	24	1/Month	Grab
Chlorides		184		500	1/Month	Grab
Sulfate		184		500	1/Month	Grab
BOD_5	3.686	7.373	10	20	1/Month	Grab
Acenaphthene	0.007	0.017	0.019	0.047	2/Year	Grab
Acenaphthylene	0.007	0.017	0.019	0.047	2/Year	Grab
Acrylonitrile	0.035	0.086	0.094	0.232	2/Year	Grab
Anthrecene	0.007	0.017	0.019	0.047	2/Year	Grab
Benzene	0.021	0.049	0.057	0.134	2/Year	Grab
Benzo(a)anthracene	0.007	0.017	0.19	0.047	2/Year	Grab
3,4-Benzofluoranthene	0.007	0.018	0.02	0.048	2/Year	Grab
Benzo(k)fluoranthene	0.007	0.017	0.019	0.047	2/Year	Grab
Benzo(a)pyrene	0.007	0.018	0.02	0.048	2/Year	Grab
Bis (2-ehtylhexyl) phthalate	0.035	0.095	0.095	0.258	2/Year	Grab
Carbon Tetrachloride	0.052	0.14	0.142	0.38	2/Year	Grab
Chlorobenzene	0.052	0.14	0.142	0.38	2/Year	Grab
Chloroethene	0.041	0.109	0.11	0.295	2/Year	Grab
Chloroform	0.041	0.12	0.111	0.325	2/Year	Grab

Chrysene	0.007	0.017	0.019	0.047	2/Year	Grab
Di-n-bytyl phthalate	0.007	0.016	0.02	0.043	2/Year	Grab
1,2-Dichlorobenzene	0.072	0.293	0.196	0.794	2/Year	Grab
1,3-Dichlorobenzene	0.052	0.14	0.142	0.38	2/Year	Grab
1,4-Dichlorobenzene	0.052	0.14	0,142	0.38	2/Year	Grab
1,1-Dichloroethane	0.008	0.022	0.022	0.059	2/Year	Grab
1,2-Dichloroethane	0.066	0.212	0.18	0.574	2/Year	Grab
1,1-Dichloroethylene	0.008	0.022	0.022	0.06	2/Year	Grab
1,2-trans-Dichloroethylene	0.009	0.024	0.025	0.066	2/Year	Grab
1,2-Dichloropropane	0.072	0.293	0.196	0.794	2/Year	Grab
1,3-Dichloropropylene	0.072	0.293	0.196	0.794	2/Year	Grab
Diethyl phthalate	0.017	0.042	0.046	0.113	2/Year	Grab
2,4-Dimethylphenol	0.007	0.017	0.019	0.047	2/Year	Grab
Dimethyl phthalate	0.007	0.017	0.019	0.047	2/Year	Grab
4,6-Dinitro-o-cresol	0.029	0.102	0.078	0.277	2/Year	Grab
2,4-Dinitrophenol	0.445	1.582	1.207	4.291	2/Year	Grab
Ethylbenzene	0.005	0.055	0.014	0.15	2/Year	Grab
Fluoranthene	0.008	0.02	0.022	0.054	2/Year	Grab
Fluorene	0.007	0.017	0.019	0.047	2/Year	Grab
Hexachlorobenzene	0.072	0.293	0.196	0.794	2/Year	Grab
Hexachlorobutadiene	0.052	0.14	0.142	0.38	2/Year	Grab
Hexachloroethane	0.072	0.293	0.196	0.794	2/Year	Grab
Methyl Chloride	0.041	0.109	0.11	0.295	2/Year	Grab
Methylene Chloride	0.013	0.063	0.036	0.17	2/Year	Grab
Naphthalene	0.007	0.017	0.019	0.047	2/Year	Grab
Nitrobenzene	0.825	2.36	2.237	6.402	2/Year	Grab
2-Nitrophenol	0.024	0.085	0.065	0.231	2/Year	Grab
4-Nitrophenol	0.06	0.212	0.162	0.576	2/Year	Grab
Phenanthrene	0.007	0.017	0.019	0.047	2/Year	Grab
Phenol	0.007	0.017	0.019	0.047	2/Year	Grab
Pyrene	0.007	0.017	0.02	0.048	2/Year	Grab
Tetrachloroethylene	0.019	0.06	0.052	0.164	2/year	Grab

Toluene	0.01	0.027	0.028	0.074	1/Month*	Grab
Chromium (Total)	0.369	0.737	1	2	1/Month*	Grab
Copper (Total)	0.184	0.369	0.5	1	1/Month*	Grab
Lead (Total)	0.074	0.147	0.2	0.4	1/Month*	Grab
Nickel (Total)	0.004	0.065	0.011	0.176	1/Month*	Grab
Zinc (Total)	0.369	0.737	1	2	1/Month*	Grab
1,2,4-Trichlorobenzene	0.072	0.293	0.196	0.794	2/Year	Grab
1,1,1-Trichloroethane	0.008	0.022	0.022	0.059	2/Year	Grab
1,1,2-Trichloroethane	0.012	0.047	0.032	0.127	2/Year	Grab
Trichloroethylene****	0.01	0.025	0.026	0.069	2/Year	Grab
Vinyl Chloride	0.036	0.063	0.097	0.172	2/Year	Grab
Iron (Total)	0.737	1.475	2	4	1/Month*	Grab
Manganese	0.369	0.737	1	2	1/Month*	Grab
Xylenes***	0.133	0.339	0.36	0.92	1/Month*	Grab
2-Methylphenol	0.14	1.73	0.37	4.7	1/Month*	Grab
4-Methylphenol	0.044	0.25	0.12	0.67	1/Month*	Grab
Ammonia (as N)			30 Day	Weekly	Daily Maximum	1/Month*	Grab
March - May; September - October			1.5	3.8	3.7		
June - August			0.9	2.3	4.5		
November - February			2.6		4.9		

* Monthly sampling required only when treating groundwater.
** See Special Conditions 9.
*** Includes ortho-, meta-, and para-xylene.
**** See Special Condition 12.

NPDES Permit No. IL0070777

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:

Outfall B01 - SWRB Emergency Over Flow** (Intermittent Discharge) The discharge consists of: 1. Contact Stormwater 2. Non-Contact Stormwater 3. Non-Contact Cooling Water						
	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
Flow (MGD)	Special Condition 1				Measure When Monitoring	Grab
pH	Special Condition 2				*	Grab
Total Suspended Solids			12	24	*	Grab
BOD_5			10	20	*	Grab
Acenaphthene			0.019	0.047	*	Grab
Acenaphthylene			0.019	0.047	*	Grab
Acrylonitrile			0.094	0.232	*	Grab
Anthracene			0.019	0.047	*	Grab
Benzene			0.057	0.134	*	Grab
Benzo(a)anthracene			0.019	0.047	*	Grab
3,4-Benzofluoranthene			0.02	0.048	*	Grab
Benzo(k)fluoranthene			0.019	0.047	*	Grab
Benzo(a)pyrene			0.02	0.048	*	Grab
Bis (2-ehtylhexyl) phthalate			0.095	0.258	*	Grab
Carbon Tetrachloride			0.142	0.38	*	Grab
Chlorobenzene			0.142	0.38	*	Grab
Chloroethane			0.11	0.295	*	Grab
Chloroform			0.111	0.325	*	Grab
Chrysene			0.019	0.047	*	Grab

Di-n-bytyl phthalate			0.02	0.043	*	Grab
1,2-Dichlorobenzene			0.196	0.794	*	Grab
1,3-Dichlorobenzene			0.142	0.38	*	Grab
1,4-Dichlorobenzene			0.142	0.38	*	Grab
1,1-Dichloroethane			0.022	0.059	*	Grab
1,2-Dichloroethane			0.18	0.574	*	Grab
1,1-Dichloroethylene			0.022	0.059	*	Grab
1,2-trans-Dichloroethylene			0.025	0.066	*	Grab
1,2-Dichloropropane			0.196	0.794	*	Grab
1,3-Dichloropropylene			0.196	0.794	*	Grab
Diethyl phthalate			0.046	0.113	*	Grab
2,4-Dimethylphenol			0.019	0.047	*	Grab
Dimethyl phthalate			0.019	0.047	*	Grab
4,6-Dinitro-o-cresol			0.078	0.277	*	Grab
2,4-Dinitrophenol			1.207	4.291	*	Grab
Ethylbenzene			0.014	0.15	*	Grab
Fluoranthene			0.022	0.054	*	Grab
Fluorene			0.019	0.047	*	Grab
Hexachlorobenzene			0.196	0.794	*	Grab
Hexachlorobutadiene			0.142	0.38	*	Grab
Hexachloroethane			0.196	0.794	*	Grab
Methyl Chloride			0.11	0.295	*	Grab
Methylene Chloride			0.036	0.17	*	Grab
Naphthalene			0.019	0.047	*	Grab
Nitrobenzene			2.237	6.402	*	Grab
2-Nitrophenol			0.065	0.231	*	Grab
4-Nitrophenol			0.162	0.576	*	Grab
Phenanthrene			0.019	0.047	*	Grab
Phenol			0.019	0.047	*	Grab
Pyrene			0.02	0.048	*	Grab
Tetrachloroethylene			0.052	0.164	*	Grab
Toluene			0.028	0.074	*	Grab

1,2,4-Trichlorobenzene			0.196	0.794	*	Grab
1,1,1-Trichloroethane			0.022	0.059	*	Grab
1,1,2-Trichloroethane			0.032	0.127	*	Grab
Trichloroethylene			0.026	0.069	*	Grab
Vinyl Chloride			0.097	0.172	*	Grab
2-Methylphenol			0.37	4.7	*	Grab
4-Methylphenol			0.12	0.67	*	Grab
Xylenes**			0.11	0.92	*	Grab
*1/Day When Discharging ** See Special Condition 9 and 11 ** Includes ortho-, meta-, and para-xylene.						

Special Conditions

SPECIAL CONDITION 1. . Flow shall be measured in units of Million Gallons per Day (MGD) and reported as a monthly average and a daily maximum on the monthly Discharge Monitoring Report.

SPECIAL CONDITION 2. The pH shall be in the range 6.5 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. This facility is not allowed any mixing with the receiving stream in order to meet applicable water quality thermal limitations. Therefore, discharge of wastewater from this facility must meet the following thermal limitations prior to discharge into the receiving stream.

A. The discharge must not exceed the maximum limits in the following table during more than one percent of the hours in the 12 month period ending with any month. Moreover, at no time shall the water temperature of the discharge exceed the maximum limits in the following table by more than 1.7°C (3°F).

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
°F	60	60	60	90	90	90	90	90	90	90	90	60
°C	16	16	16	32	32	32	32	32	32	32	32	16

B. In addition, the discharge shall not cause abnormal temperature changes that may adversely affect aquatic life unless caused by natural conditions.

C. The discharge shall not cause the maximum temperature rise above natural temperatures to exceed 2.8°C (5°F).

D. The monthly maximum value shall be reported on the DMR form

SPECIAL CONDITION 4. All samples for Total Residual Chlorine shall be analyzed by an applicable method contained in 40 CFR 136, equivalent in accuracy to low-level amperometric titration. Any analytical variability of the method used shall be considered when determining the accuracy and precision of the results obtained.

SPECIAL CONDITION 5. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month.

In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated.

The Permittee may choose to submit NetDMR instead of mailing paper DMRs to the IEPA. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, http://www.epa.state.il.us/water/net-dmr/index.html

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 15th day of the following month, unless otherwise specified by the permitting authority.

Permittees not using NetDMRs 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

SPECIAL CONDITION 6. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

SPECIAL CONDITION 7. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 8. If an applicable effluent standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act and that effluent standard or limitation is more stringent than any effluent limitation in the permit or controls a pollutant not limited in the NPDES Permit, the Agency shall revise or modify the permit in accordance with the more stringent standard or prohibition and shall so notify the permittee.

Special Conditions

SPECIAL CONDITION 9. The Agency has determined that the effluent limitations in this permit constitute BAT/BCT for storm water which is treated in the existing treatment facilities for purposes of this permit reissuance, and no pollution prevention plan will be required for such storm water. In addition to the chemical specific monitoring required elsewhere in this permit, the permittee shall conduct an annual inspection of the facility site to identify areas contributing to a storm water discharge associated with industrial activity, and determine whether any facility modifications have occurred which result in previously-treated storm water discharges no longer receiving treatment. If any such discharges are identified the permittee shall request a modification of this permit within 30 days after the inspection. Records of the annual inspection shall be retained by the permittee for the term of this permit and be made available to the Agency on request.

SPECIAL CONDITION 10. This permit authorizes the use of water treatment additives that were requested as part of this renewal. The use of any additives, or changes in those previously approved by the Agency, or if the permittee increases the feed rate or quantity of the additives used beyond what has been approved by the Agency, the permittee shall request a modification of this permit in accordance with the Standard Conditions - Attachment H.

SPECIAL CONDITION 11. An emergency situation shall be when the stormwater flow exceeds the capacity of the SWRB (100 year, 24 hour storm event). The SWRB shall be operated in a way to minimize emergency overflows.

SPECIAL CONDITION 12. The yearly average of trichloroethylene results must not exceed the human health criterion of 0.026 mg/l.