NPDES Permit No. IL0079758
Notice No. JMC:12111401.daa

Public Notice Beginning Date: **May 22, 2013**

Public Notice Ending Date: **June 21, 2013**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft New 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 Permittee:

H.B. Fuller
7440 West DuPont Road
Morris, Illinois 60450

Name and Address of Facility:

H.B. Fuller
7440 West DuPont Road
Morris, Illinois 60450
(Grundy 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 Permittee. 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 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 Jamie Cowles at 217/782-0610.

The applicant manufacturers adhesives materials (SIC 2821). Waste water is generated from the production of adhesives and synthetic polymers. Plant operation results in an average discharge of 0.037 MGD of process wastewater and domestic sanitary waste from outfall 001, an intermittent amount of stormwater from outfall 002, and an intermittent amount of stormwater from outfall 003.

Application is made for the existing discharge(s) which is located in Grundy County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

| Outfall | Receiving Stream | Latitude | Longitude | Stream Classification | Integrity Rating |
|---|---|---|---|---|---|
| 001 | Illinois River | 41° 19′ 0.52″ North | 88° 33′ 52.8″ West | General Use | Not Rated |
| 002 | Hog Run | 41° 18′ 19″ North | 88° 33′ 44″ West | General Use | Not Rated |
| 003 | Illinois River | 41° 18′ 17″North | 88° 33′ 31″ West | General Use | Not Rated |

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

The stream segment (D-23) receiving the discharge from outfall(s) 001 and 003 is on the 2012 303(d) list of impaired waters and is not a biologically significant stream on the 2008 Illinois Department of Natural Resources Publication *Integrating Multiple Taxa in a Biological Stream Rating System*.

The following parameters have been identified as the pollutants causing impairment:

| Designated Use | Potential Cause |
|---|---|
| Fish Consumption | Mercury, PCB's |
| Primary Contact | Fecal Coliform |

The stream segment (DZV) receiving the discharge from outfall(s) 002 is not on the 2012 303(d) list of impaired waters and is not a biologically significant stream on 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:

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 |
| pH | | | | Shall be in range of 6 to 10 S.U. | | 35 IAC 304.125 |
| Total Residual Chlorine | | | | | 0.05 | 40 CFR 125.3 |
| Fecal Coliform | | | | 400/100 ml | | 35 IAC 304.121 |
| Total Suspended Solids | 6.855 | 21.37 | 35 IAC 304.120 | 30 | 60 | 35 IAC 304.120 |
| BOD5 | 5.885 | 15.693 | 40 CFR 414 | 24 | 60 | 40 CFR 414 & 35 IAC 304.120 |
| Chromium (Total) | 0.216 | 0.57 | 35 IAC 304.124 & 40 CFR 125 | 1 | 2 | 35 IAC 304.124 |
| Copper (Total) | 0.108 | 0.28 | 35 IAC 304.124 & 40 CFR 125 | 0.5 | 1 | 35 IAC 304.124 |
| Lead (Total) | 0.022 | 0.057 | 35 IAC 304.124 & 40 CFR 125 | 0.2 | 0.4 | 35 IAC 304.124 |
| Nickel (Total) | 0.043 | 0.11 | 35 IAC 304.124 & 40 CFR 125 | 0.2 | 0.4 | 35 IAC 304.124 |
| Zinc (Total) | 0.216 | 0.57 | 35 IAC 304.124 & 40 CFR 125 | 1 | 2 | 35 IAC 304.124 |
| Acenaphthene | 0.216 | 0.57 | 40 CFR 414 | 0.022 | 0.059 | 40 CFR 414 |
| Acenaphthylene | 0.005 | 0.014 | 40 CFR 414 | 0.022 | 0.059 | 40 CFR 414 |
| Acrylonitrile | 0.005 | 0.014 | 40 CFR 414 | 0.096 | 0.242 | 40 CFR 414 |
| | | | | | | |

| Outfall 001 (Continued) | | | | | | |
|---|---|---|---|---|---|---|
| | LOAD LIMITS lbs/day DAF (DMF) | | | CONCENTRATION LIMITS mg/l | | |
| PARAMETER | 30 DAY AVERAGE | DAILY MAXIMUM | REGULATION | 30 DAY AVERAGE | DAILY MAXIMUM | REGULATION |
| Anthracene | 0.022 | 0.056 | 40 CFR 414 | 0.022 | 0.059 | 40 CFR 414 |
| Benzene | 0.009 | 0.032 | 40 CFR 414 | 0.037 | 0.136 | 40 CFR 414 |
| Benzo (a) Anthracene | 0.005 | 0.014 | 40 CFR 414 | 0.022 | 0.059 | 40 CFR 414 |
| 3, 4-Benzofluoranthene | 0.005 | 0.014 | 40 CFR 414 | 0.023 | 0.061 | 40 CFR 414 |
| Benzo (k) Fluoranthene | 0.005 | 0.014 | 40 CFR 414 | 0.022 | 0.059 | 40 CFR 414 |
| Benzo (a) Pyrene | 0.005 | 0.014 | 40 CFR 414 | 0.023 | 0.061 | 40 CFR 414 |
| Bis (2-ethylhexyl) Phthalate | 0.024 | 0.065 | 40 CFR 414 | 0.103 | 0.279 | 40 CFR 414 |
| Carbon Tetrachloride | 0.004 | 0.009 | 40 CFR 414 | 0.018 | 0.038 | 40 CFR 414 |
| Chlorobenzene | 0.003 | 0.007 | 40 CFR 414 | 0.015 | 0.028 | 40 CFR 414 |
| Chloroethane | 0.024 | 0.062 | 40 CFR 414 | 0.104 | 0.268 | 40 CFR 414 |
| Chloroform | 0.005 | 0.011 | 40 CFR 414 | 0.021 | 0.046 | 40 CFR 414 |
| 2-Chlorophenol | 0.007 | 0.023 | 40 CFR 414 | 0.031 | 0.098 | 40 CFR 414 |
| Chrysene | 0.005 | 0.014 | 40 CFR 414 | 0.022 | 0.059 | 40 CFR 414 |
| Di-n-buthyl Phthalate | 0.006 | 0.013 | 40 CFR 414 | 0.027 | 0.057 | 40 CFR 414 |
| 1, 2-Dichlorobenzene | 0.018 | 0.038 | 40 CFR 414 | 0.077 | 0.163 | 40 CFR 414 |
| 1, 3-Dichlorobenzene | 0.007 | 0.01 | 40 CFR 414 | 0.031 | 0.044 | 40 CFR 414 |
| 1, 4-Dichlorobenzene | 0.003 | 0.007 | 40 CFR 414 | 0.015 | 0.028 | 40 CFR 414 |
| 1, 1-Dichloroethane | 0.005 | 0.014 | 40 CFR 414 | 0.022 | 0.059 | 40 CFR 414 |
| 1, 2-Dichloroethane | 0.016 | 0.049 | 40 CFR 414 | 0.068 | 0.211 | 40 CFR 414 |
| 1, 1-Dichloroethylene | 0.004 | 0.006 | 40 CFR 414 | 0.016 | 0.025 | 40 CFR 414 |
| 1, 2-Trans-Dichloroethylene | 0.005 | 0.013 | 40 CFR 414 | 0.021 | 0.054 | 40 CFR 414 |
| 2, 4-Dichlorophenol | 0.01 | 0.027 | 40 CFR 414 | 0.039 | 0.112 | 40 CFR 414 |
| 1, 2-Dichloropropane | 0.038 | 0.056 | 40 CFR 414 | 0.153 | 0.23 | 40 CFR 414 |
| 1, 3-Dichloroproylene | 0.007 | 0.011 | 40 CFR 414 | 0.029 | 0.044 | 40 CFR 414 |
| Diethyl Phthalate | 0.02 | 0.05 | 40 CFR 414 | 0.081 | 0.203 | 40 CFR 414 |
| 2, 4-Dimethylphenol | 0.004 | 0.009 | 40 CFR 414 | 0.018 | 0.036 | 40 CFR 414 |
| Dimethyl Phthalate | 0.005 | 0.012 | 40 CFR 414 | 0.019 | 0.047 | 40 CFR 414 |
| 4, 6-Dinitro-o-cresol | 0.019 | 0.068 | 40 CFR 414 | 0.078 | 0.277 | 40 CFR 414 |
| 2, 4-Dinitrophenol | 0.017 | 0.03 | 40 CFR 414 | 0.071 | 0.123 | 40 CFR 414 |
| 2, 4-Dinitrotoluene | 0.028 | 0.07 | 40 CFR 414 | 0.113 | 0.285 | 40 CFR 414 |
| 2, 6-Dinitrotoluene | 0.063 | 0.157 | 40 CFR 414 | 0.255 | 0.641 | 40 CFR 414 |
| Ethylbenzene | 0.008 | 0.026 | 40 CFR 414 | 0.032 | 0.108 | 40 CFR 414 |
| Fluoranthene | 0.006 | 0.017 | 40 CFR 414 | 0.025 | 0.068 | 40 CFR 414 |
| Fluorene | 0.005 | 0.014 | 40 CFR 414 | 0.022 | 0.059 | 40 CFR 414 |
| Hexachlorobenzene | 0.004 | 0.007 | 40 CFR 414 | 0.015 | 0.028 | 40 CFR 414 |
| Hexachlorobutadiene | 0.005 | 0.011 | 40 CFR 414 | 0.02 | 0.049 | 40 CFR 414 |
| | | | | | | |

| Outfall 001 (Continued) | | | | | | |
|---|---|---|---|---|---|---|
| | LOAD LIMITS lbs/day DAF (DMF) | | | CONCENTRATION LIMITS mg/l | | |
| PARAMETER | 30 DAY AVERAGE | DAILY MAXIMUM | REGULATION | 30 DAY AVERAGE | DAILY MAXIMUM | REGULATION |
| Hexachloroethane | 0.005 | 0.013 | 40 CFR 414 | 0.021 | 0.054 | 40 CFR 414 |
| Methyl Chloride | 0.02 | 0.044 | 40 CFR 414 | 0.086 | 0.19 | 40 CFR 414 |
| Methylene Chloride | 0.009 | 0.021 | 40 CFR 414 | 0.04 | 0.089 | 40 CFR 414 |
| Naphthalene | 0.005 | 0.014 | 40 CFR 414 | 0.022 | 0.059 | 40 CFR 414 |
| Nitrobenzene | 0.006 | 0.016 | 40 CFR 414 | 0.027 | 0.068 | 40 CFR 414 |
| 2-Nitrophenol | 0.01 | 0.016 | 40 CFR 414 | 0.041 | 0.069 | 40 CFR 414 |
| 4-Nitrophenol | 0.017 | 0.029 | 40 CFR 414 | 0.072 | 0.124 | 40 CFR 414 |
| Phenanthrene | 0.005 | 0.014 | 40 CFR 414 | 0.022 | 0.059 | 40 CFR 414 |
| Phenol | 0.003 | 0.006 | 40 CFR 414 | 0.015 | 0.026 | 40 CFR 414 |
| Pyrene | 0.006 | 0.016 | 40 CFR 414 | 0.025 | 0.067 | 40 CFR 414 |
| Tetrachloroethylene | 0.005 | 0.013 | 40 CFR 414 | 0.022 | 0.056 | 40 CFR 414 |
| Toluene | 0.006 | 0.019 | 40 CFR 414 | 0.026 | 0.08 | 40 CFR 414 |
| 1, 2, 4-Trichlorobenzene | 0.016 | 0.033 | 40 CFR 414 | 0.068 | 0.14 | 40 CFR 414 |
| 1, 1, 1-Trichloroethane | 0.005 | 0.013 | 40 CFR 414 | 0.021 | 0.054 | 40 CFR 414 |
| 1, 1, 2-Trichloroethane | 0.005 | 0.013 | 40 CFR 414 | 0.021 | 0.054 | 40 CFR 414 |
| Trichlorethylene | 0.005 | 0.013 | 40 CFR 414 | 0.021 | 0.054 | 40 CFR 414 |
| Vinyl Chloride | 0.026 | 0.066 | 40 CFR 414 | 0.104 | 0.268 | 40 CFR 414 |
| | | | | | | |
| | | | | | | |
| Outfall: 001, 002, and 003 Stormwater Outfalls | | | | | | |

All stormwater outfalls will be required to have Stormwater Pollution Prevention Plan.

Load Limit Calculations - Outfall 001:

A. Load limit calculations for the following pollutant parameters were based on the wastewater treatment plant design average flow of 0.0259 MGD and a maximum flow of 0.0421 MGD and using the formula of design average or maximum flow (MGD) X concentration limit (mg/l) X 8.34 = the average or maximum load limit (lbs/day): All parameters listed in 40 CFR 414.40 and 414.91

B. Load limit calculations for the following pollutant parameters were based on the wastewater treatment plant design average flow of 0.0274 MGD and a maximum flow of 0.0427 MGD and using the formula of design average or maximum flow (MGD) X concentration limit (mg/l) X 8.34 = the average or maximum load limit (lbs/day): $BOD_5$ and TSS.

C. Load limit calculations for all parameters listed in 40 CFR 414.40 and 414.91 were also calculated based on an long term average process flow of 0.0279 MGD and using the formula average process flow (MGD) x federal 30-day average or daily maximum concentration limit (mg/L) x 8.34 = the average or maximum load limit (lbs/day).

D. Load limit calculations for $BOD_5$ and TSS were also calculated based on an long term average process flow of 0.0294 MGD and using the formula average process flow (MGD) x federal 30-day average or daily maximum concentration limit (mg/L) x 8.34 = the average or maximum load limit (lbs/day).

Sanitary flows were not utilized when calculating load limits for parts A and C listed above. Dilution flows (Non-Contact Cooling Water, Boiler Blowdown and Softener Regeneration Water) were not factored in flow total when calculating load limits.

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

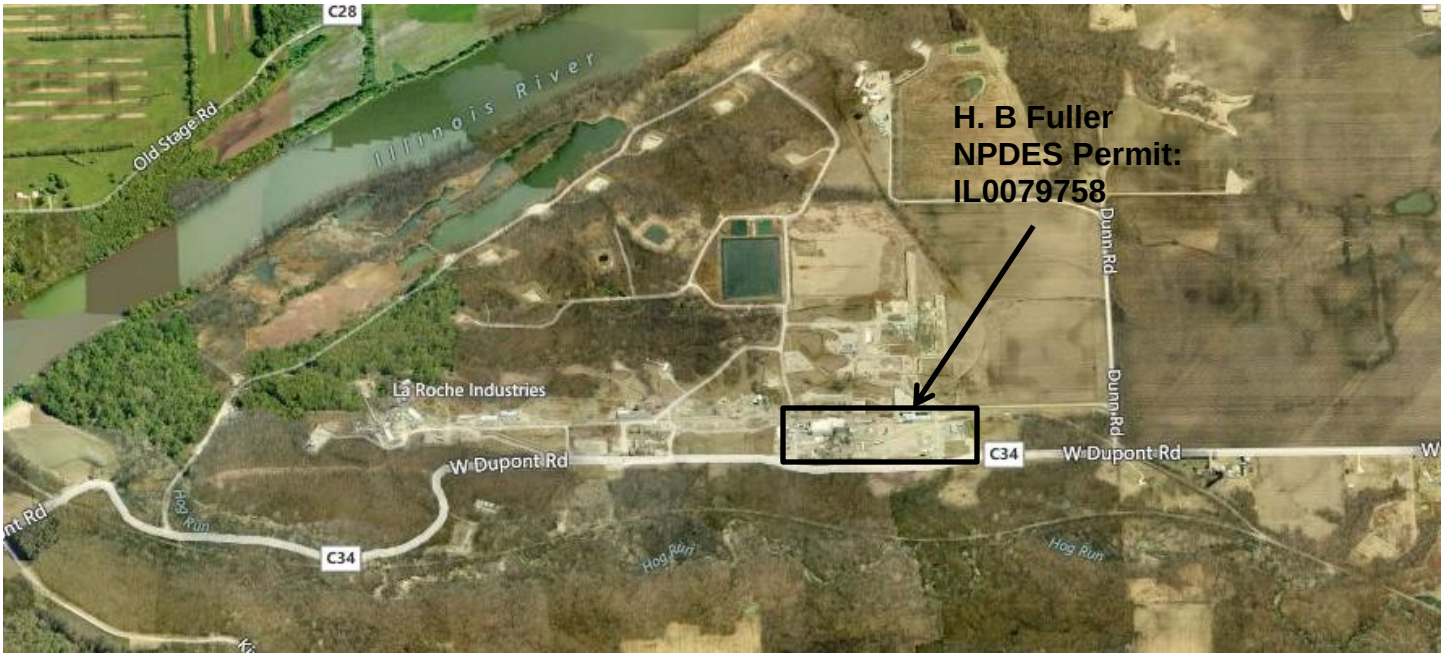
An antidegradation analysis was not performed because the facility did not increase discharge and concentration and load limits will remain the unchanged. New permit is because the facility no longer discharges to adjacent Orica Nitrogen (IL0001767) treatment system. H.B. Fuller installed a new treatment system and the discharge now bypasses Orica Nitrogen.

The following explain the conditions of the proposed permit:

Outfall 001 is limited to treated process discharges and sanitary wastes, and is regulated utilizing Federal Guidelines found in 40 CFR 414 and State effluent and water quality criteria. The more stringent guidelines or limits are utilized to regulate Outfall 001.

Outfalls 001, 002, and 003 have stormwater discharges and are regulated through best management practices established in the Storm Water Pollution Prevention Plan.

Discharge Monitoring Report (DMR) forms will be required to be submitted monthly to the Agency.


C28
Illinois River
Old Stage Rd
H. B Fuller
NPDES Permit:
IL0079758
Dunn Rd
Dunn Rd
La Roche Industries
W Dupont Rd
C34
W Dupont Rd
Hog Run
C34
Hog Run
Hog Run

NPDES Permit No. IL00IL79758

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

New (NPDES) Permit

Expiration Date:

Issue Date:
Effective Date:

Name and Address of Permittee:

H.B. Fuller
7440 West DuPont Road
Morris, Illinois 60450

Facility Name and Address:

H.B. Fuller
7440 West DuPont Road
Morris, Illinois 60450
(Grundy County)

Discharge Number and Name:

001 Adhesives Manufacturing
002 Stormwater
003 Stormwater

Receiving Waters:

Illinois River
Hog Run
Illinois 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:JMC:12111401.daa

NPDES Permit No. IL0079758

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(s): 001 (DAF = 0.032 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 | See Special Condition 1 | | | | Daily | Measurement |
| pH | See Special Condition 2 | | | | 1/Week | Grab |
| Total Residual Chlorine* | | | | 0.05 | 1/Week | Grab |
| Fecal Coliform | See Special Condition 4 | | | | 1/Week | Grab |
| Total Suspended Solids | 6.855 | 21.37 | 30 | 60 | 1/Week | Composite |
| BOD5 | 5.885 | 15.693 | 24 | 60 | 1/Week | Composite |
| Chromium (Total) | 0.216 | 0.57 | 1 | 2 | 1/Year | Grab |
| Copper (Total) | 0.108 | 0.28 | 0.5 | 1 | 1/Year | Grab |
| Lead (Total) | 0.022 | 0.057 | 0.2 | 0.4 | 1/Year | Grab |
| Nickel (Total) | 0.043 | 0.11 | 0.2 | 0.4 | 1/Year | Grab |
| Zinc (Total) | 0.216 | 0.57 | 1 | 2 | 1/Year | Grab |
| Acenaphthene | 0.216 | 0.57 | 0.022 | 0.059 | 1/Year | Grab |
| Acenaphthylene | 0.005 | 0.014 | 0.022 | 0.059 | 1/Year | Grab |
| Acrylonitrile | 0.005 | 0.014 | 0.096 | 0.242 | 1/Year | Grab |
| Anthracene | 0.022 | 0.056 | 0.022 | 0.059 | 1/Year | Grab |
| Benzene | 0.009 | 0.032 | 0.037 | 0.136 | 1/Year | Grab |
| Benzo (a) Anthracene | 0.005 | 0.014 | 0.022 | 0.059 | 1/Year | Grab |
| 3, 4-Benzofluoranthene | 0.005 | 0.014 | 0.023 | 0.061 | 1/Year | Grab |
| Benzo (k) Fluoranthene | 0.005 | 0.014 | 0.022 | 0.059 | 1/Year | Grab |
| Benzo (a) Pyrene | 0.005 | 0.014 | 0.023 | 0.061 | 1/Year | Grab |
| Bis (2-ethylhexyl) Phthalate | 0.024 | 0.065 | 0.103 | 0.279 | 1/Year | Grab |
| Carbon Tetrachloride | 0.004 | 0.009 | 0.018 | 0.038 | 1/Year | Grab |
| Chlorobenzene | 0.003 | 0.007 | 0.015 | 0.028 | 1/Year | Grab |
| Chloroethane | 0.024 | 0.062 | 0.104 | 0.268 | 1/Year | Grab |
| Chloroform | 0.005 | 0.011 | 0.021 | 0.046 | 1/Year | Grab |
| 2-Chlorophenol | 0.007 | 0.023 | 0.031 | 0.098 | 1/Year | Grab |
| Chrysene | 0.005 | 0.014 | 0.022 | 0.059 | 1/Year | Grab |
| Di-n-buthyl Phthalate | 0.006 | 0.013 | 0.027 | 0.057 | 1/Year | Grab |
| 1, 2-Dichlorobenzene | 0.018 | 0.038 | 0.077 | 0.163 | 1/Year | Grab |
| 1, 3-Dichlorobenzene | 0.007 | 0.01 | 0.031 | 0.044 | 1/Year | Grab |
| 1, 4-Dichlorobenzene | 0.003 | 0.007 | 0.015 | 0.028 | 1/Year | Grab |
| 1, 1-Dichloroethane | 0.005 | 0.014 | 0.022 | 0.059 | 1/Year | Grab |
| 1, 2-Dichloroethane | 0.016 | 0.049 | 0.068 | 0.211 | 1/Year | Grab |
| 1, 1-Dichloroethylene | 0.004 | 0.006 | 0.016 | 0.025 | 1/Year | Grab |
| 1, 2-Trans-Dichloroethylene | 0.005 | 0.013 | 0.021 | 0.054 | 1/Year | Grab |
| 2, 4-Dichlorophenol | 0.01 | 0.027 | 0.039 | 0.112 | 1/Year | Grab |
| | | | | | | |

NPDES Permit No. IL0079758

Effluent Limitations and Monitoring

| Outfall 001 (Continued) | | | | | | |
|---|---|---|---|---|---|---|
| | 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, 2-Dichloropropane | 0.038 | 0.056 | 0.153 | 0.23 | 1/Year | Grab |
| 1, 3-Dichloroproylene | 0.007 | 0.011 | 0.029 | 0.044 | 1/Year | Grab |
| Diethyl Phthalate | 0.02 | 0.05 | 0.081 | 0.203 | 1/Year | Grab |
| 2, 4-Dimethylphenol | 0.004 | 0.009 | 0.018 | 0.036 | 1/Year | Grab |
| Dimethyl Phthalate | 0.005 | 0.012 | 0.019 | 0.047 | 1/Year | Grab |
| 4, 6-Dinitro-o-cresol | 0.019 | 0.068 | 0.078 | 0.277 | 1/Year | Grab |
| 2, 4-Dinitrophenol | 0.017 | 0.03 | 0.071 | 0.123 | 1/Year | Grab |
| 2, 4-Dinitrotoluene | 0.028 | 0.07 | 0.113 | 0.285 | 1/Year | Grab |
| 2, 6-Dinitrotoluene | 0.063 | 0.157 | 0.255 | 0.641 | 1/Year | Grab |
| Ethylbenzene | 0.008 | 0.026 | 0.032 | 0.108 | 1/Year | Grab |
| Fluoranthene | 0.006 | 0.017 | 0.025 | 0.068 | 1/Year | Grab |
| Fluorene | 0.005 | 0.014 | 0.022 | 0.059 | 1/Year | Grab |
| Hexachlorobenzene | 0.004 | 0.007 | 0.015 | 0.028 | 1/Year | Grab |
| Hexachlorobutadiene | 0.005 | 0.011 | 0.02 | 0.049 | 1/Year | Grab |
| Hexachloroethane | 0.005 | 0.013 | 0.021 | 0.054 | 1/Year | Grab |
| Methyl Chloride | 0.02 | 0.044 | 0.086 | 0.19 | 1/Year | Grab |
| Methylene Chloride | 0.009 | 0.021 | 0.04 | 0.089 | 1/Year | Grab |
| Naphthalene | 0.005 | 0.014 | 0.022 | 0.059 | 1/Year | Grab |
| Nitrobenzene | 0.006 | 0.016 | 0.027 | 0.068 | 1/Year | Grab |
| 2-Nitrophenol | 0.01 | 0.016 | 0.041 | 0.069 | 1/Year | Grab |
| 4-Nitrophenol | 0.017 | 0.029 | 0.072 | 0.124 | 1/Year | Grab |
| Phenanthrene | 0.005 | 0.014 | 0.022 | 0.059 | 1/Year | Grab |
| Phenol | 0.003 | 0.006 | 0.015 | 0.026 | 1/Year | Grab |
| Pyrene | 0.006 | 0.016 | 0.025 | 0.067 | 1/Year | Grab |
| Tetrachloroethylene | 0.005 | 0.013 | 0.022 | 0.056 | 1/Year | Grab |
| Toluene | 0.006 | 0.019 | 0.026 | 0.08 | 1/Year | Grab |
| 1, 2, 4-Trichlorobenzene | 0.016 | 0.033 | 0.068 | 0.14 | 1/Year | Grab |
| 1, 1, 1-Trichloroethane | 0.005 | 0.013 | 0.021 | 0.054 | 1/Year | Grab |
| 1, 1, 2-Trichloroethane | 0.005 | 0.013 | 0.021 | 0.054 | 1/Year | Grab |
| Trichlorethylene | 0.005 | 0.013 | 0.021 | 0.054 | 1/Year | Grab |
| Vinyl Chloride | 0.026 | 0.066 | 0.104 | 0.268 | 1/Year | Grab |
| * See Special Condition 8. | | | | | | |
| Outfalls: 001*, 002*, and 003* | | | | | | |
| * See Special Condition 9. | | | | | | |

NPDES Permit No. IL0079758

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 6.0 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. 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 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 15th 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

SPECIAL CONDITION 4. The daily maximum fecal coliform count shall not exceed 400 per 100 ml.

SPECIAL CONDITION 5. 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 6. No effluent shall contain settleable solids, floating debris, visible oil, grease, scum or sludge solids. Color, odor and turbidity must be reduced to below obvious levels.

SPECIAL CONDITION 7. 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 CONDITION 8. 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 9.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

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 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. The permittee shall modify the plan if substantive changes are made or occur affecting compliance with this condition.

   1. Waters not classified as impaired pursuant to Section 303(d) of the Clean Water Act.

      Unless otherwise specified by federal regulation, the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event.

   2. Waters classified as impaired pursuant to Section 303(d) of the Clean Water Act

For any site which discharges directly to an impaired water identified in the Agency's 303(d) listing, and if any parameter in the subject discharge has been identified as the cause of impairment, the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event. If required by federal regulations, the storm water pollution prevention plan shall adhere to a more restrictive design criteria.

B. The operator or owner of the facility shall make a copy of the plan available to the Agency at any reasonable time upon request.

Facilities which discharge to a municipal separate storm sewer system shall also make a copy available to the operator of the municipal system 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 H 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 30 days of any proposed construction or operational changes at the facility, and shall be provided to the Agency for review upon request.

E. The plan shall provide a description of potential sources which may be expected to add significant quantities of pollutants to storm water discharges, or which may result in non-storm water discharges from storm water outfalls at the facility. The plan shall include, at a minimum, the following items:

1. A topographic map extending one-quarter mile beyond the property boundaries of the facility, showing: the facility, surface water bodies, wells (including injection wells), seepage pits, infiltration ponds, and the discharge points where the facility's storm water discharges to a municipal storm drain system or other water body. The requirements of this paragraph may be included on the site map if appropriate. Any map or portion of map may be withheld for security reasons.

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.

   x. Areas under items iv and ix above may be withheld from the site for security reasons.

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. Also provide a list of any pollutant that is listed as impaired in the most recent 303(d) report.

5. An estimate of the size of the facility in acres or square feet, and the percent of the facility that has impervious areas such as pavement or buildings.

6. A summary of existing sampling data describing pollutants in storm water discharges.

F. The plan shall describe the storm water management controls which will be implemented by the facility. The appropriate controls shall reflect identified existing and potential sources of pollutants at the facility. The description of the storm water management controls shall include:

1. Storm Water Pollution Prevention Personnel - Identification by job titles of the individuals who are responsible for developing, implementing, and revising the plan.

2. Preventive Maintenance - Procedures for inspection and maintenance of storm water conveyance system devices such as oil/water separators, catch basins, etc., and inspection and testing of plant equipment and systems that could fail and result in discharges of pollutants to storm water.

3. Good Housekeeping - Good housekeeping requires the maintenance of clean, orderly facility areas that discharge storm water. Material handling areas shall be inspected and cleaned to reduce the potential for pollutants to enter the storm water conveyance system.

4. Spill Prevention and Response - Identification of areas where significant materials can spill into or otherwise enter the storm water conveyance systems and their accompanying drainage points. Specific material handling procedures, storage requirements, spill cleanup 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. To the maximum extent practicable storm water discharged from any area where material handling equipment or activities, raw material, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water should not enter vegetated areas or surface waters or infiltrate into the soil unless adequate treatment is provided.

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. Minimize the quantity of storm water entering areas where material handling equipment of activities, raw material, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water using green infrastructure techniques where practicable in the areas outside the exposure area, and otherwise divert storm water away from exposure area.

vi. Covered Storage or Manufacturing Areas - Covered fueling operations, materials manufacturing and storage areas to prevent contact with storm water.

vii. Storm Water Reduction - Install vegetation on roofs of buildings within adjacent to the exposure area to detain and evapotranspirate runoff where precipitation falling on the roof is not exposed to contaminants, to minimize storm water runoff; capture storm water in devices that minimize the amount of storm water runoff and use this water as appropriate based on quality.

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. The plan shall 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. Non-Storm Water Discharge - The plan shall include a certification that the discharge has been tested or evaluated for the presence of non-storm water discharge. The certification shall include a description of any test for the presence of non-storm water discharges, the methods used, the dates of the testing, and any onsite drainage points that were observed during the testing. Any facility that is unable to provide this certification must describe the procedure of any test conducted for the presence of non-storm water discharges, the test results, potential sources of non-storm water discharges to the storm sewer, and why adequate tests for such storm sewers were not feasible.

H. Quarterly Visual Observation of Discharges - The requirements and procedures for quarterly visual observations are applicable to all outfalls covered by this condition.

1. You must perform and document a quarterly visual observation of a storm water discharge associated with industrial activity from each outfall. The visual observation must be made during daylight hours. If no storm event resulted in runoff during daylight hours from the facility during a monitoring quarter, you are excused from the visual observations requirement for that quarter, provided you document in your records that no runoff occurred. You must sign and certify the document.

2. Your visual observation must be made on samples collected as soon as practical, but not to exceed 1 hour or when the runoff or snow melt begins discharging from your facility. All samples must be collected from a storm event discharge that is greater than 0.1 inch in magnitude and that occurs at least 72 hours from the previously measureable (greater than 0.1 inch rainfall) storm event. The observation must document: color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution. If visual observations indicate any unnatural color, odor, turbidity, floatable material, oil sheen or other indicators of storm water pollution, the permittee shall obtain a sample and monitor for the parameter or the list of pollutants in Part E.4.

3. You must maintain your visual observation reports onsite with the SWPPP. The report must include the observation date and time, inspection personnel, nature of the discharge (i.e., runoff or snow melt), visual quality of the storm water discharge (including observations of color, odor, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution), and probable sources of any observed storm water contamination.

4. You may exercise a waiver of the visual observation requirement at a facility that is inactive or unstaffed, as long as there are no industrial materials or activities exposed to storm water. If you exercise this waiver, you must maintain a certification with your SWPPP stating that the site is inactive and unstaffed, and that there are no industrial materials or activities exposed to storm water.

5. Representative Outfalls - If your facility has two or more outfalls that you believe discharge substantially identical effluents, based on similarities of the industrial activities, significant materials, size of drainage areas, and storm water management practices occurring within the drainage areas of the outfalls, you may conduct visual observations of the discharge at just one of the outfalls and report that the results also apply to the substantially identical outfall(s).

6. The visual observation documentation shall be made available to the Agency and general public upon written request.

I. 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.

Special Conditions

J. 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 there under, and Best Management Programs under 40 CFR 125.100.

K. The plan is considered a report that shall be available to the public at any reasonable time upon request.

L. 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.

M. Facilities which discharge storm water associated with industrial activity to municipal separate storm sewers may also be subject to additional requirement imposed by the operator of the municipal system

Construction Authorization

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

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

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

O. 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.

P. Plans and specifications of all treatment equipment being included as part of the stormwater management practice shall be included in the SWPPP.

Q. Construction activities which result from treatment equipment installation, including clearing, grading and excavation activities which result in the disturbance of one acre or more of land area, are not covered by this authorization. The permittee shall contact the IEPA regarding the required permit(s).

REPORTING

R. The facility shall submit an electronic copy of the annual inspection report to the Illinois Environmental Protection Agency. The report shall include results of the annual facility inspection which is required by Part I of this condition. 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). The annual inspection report is considered a public document that shall be available at any reasonable time upon request.

S. The first report shall contain information gathered during the one year time period beginning with the effective date of coverage under this permit and shall be submitted no later than 60 days after this one year period has expired. Each subsequent report shall contain the previous year's information and shall be submitted no later than one year after the previous year's report was due.

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

U. The permittee shall retain the annual inspection report on file at least 3 years. This period may be extended by request of the Illinois Environmental Protection Agency at any time.

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

NPDES Permit No. IL0079758

Special Conditions

V. The permittee shall notify any regulated small municipal separate storm sewer owner (MS4 Community) that they maintain coverage under an individual NPDES permit. The permittee shall submit any SWPPP or any annual inspection to the MS4 community upon request by the MS4 community.

SPECIAL CONDITION 10. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 11. If the permittee proposes to use a water treatment additive in the waste treatment facility or in the non-contact cooling water system not currently in use at the facility, the following information must be submitted to the Agency for review and approval prior to the additive's use.

1. Brand name.
2. The function of the water treatment additive.
3. The Material Safety Data Sheet (MSDS) for the additive, which must include:
   a. Product Ingredients.
   b. Aquatic life toxicity estimates for the product.
4. The proposed application rate of the product, including:
   a. The frequency and duration of usage.
   b. The dose (ppm) and the application rate (gallons/day) within the system.
   c. The volume (MGD) of water the product is applied into.
5. Information regarding the fate of the product within the system, such as:
   a. Neutralization – Dechlorination or pH buffering.
   b. Degradation – Breakdown within the system, with a retention pond, or from biological treatment.
   c. Internal dilution with other waste streams prior to outfall.
6. A flow diagram showing the point of application within the system.
7. The final outfall from which the additive would be discharged.
8. The estimated concentration of the final product.

The Agency will conduct a timely evaluation of the information to determine the water treatment additive's impact, if any, on the waste treatment system or the non-contact cooling water system. The additive shall not be used until Agency approval has been issued.

SPECIAL CONDITION 12. The analytical results or reports shall be submitted according to the following schedule.

| Frequency: | Reporting Date: |
|---|---|
| 1/Month or Less | Following Month DMR |
| 1/Year | Reported in the Following Year on the January DMR |