

NPDES Permit No. IL0001732
Notice No. 14041101bwc.docx

Public Notice Beginning Date: **July 10, 2014**

Public Notice Ending Date: **August 11, 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 Permittee:

Caterpillar, Inc.
100 NE Adams Street
Peoria, Illinois 61629

Name and Address of Facility:

Caterpillar, Inc. - Joliet
2200 Channahon Road
Joliet, Illinois 60434
(Will 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 Brian W. Cox at 217/782-0610.

The applicant is engaged in manufacturing and assembling hydraulics and hydraulic systems for construction machinery (SIC 3531). Waste water is generated from parts washing, hydraulic pump, motor and valve test stand oil overflow, spent cutting oils and coolants, boiler waste and non-contact cooling water. Plant operation results in an average discharge of 2.62 MGD of treated process waste, boiler waste and non-contact cooling water from outfall 001 and intermittent discharge of stormwater from outfalls 002 through 004.

All of the facility's cooling water originates from on-site groundwater wells.

The following modifications are proposed:

The chrome plating line was removed from the facility in 2007. As a result, the facility no longer has any of the six metal finishing operations described in Title 40 CFR 433.10(a), Electroplating, Electroless Plating, Anodizing, Coating (chromating, phosphating, and coloring), Chemical Etching and Milling, and Printed Circuit Board Manufacture, thus the standards of Title 40 CFR 433 are no longer applicable to the Caterpillar discharge. Using Discharge Monitoring Reports (DMRs) submitted between July 2008 and March 2014, an analysis was conducted to determine whether the facility's discharge had a reasonable potential to exceed the water quality based

standards of Title 35 Ill. Adm. Code § 302 Subpart D: Secondary Contact and Indigenous Aquatic Life Standards. Based on this analysis, there is not a reasonable potential to exceed the applicable water quality standards for any of the metals previously monitored. Therefore, the permit limits for cadmium, chromium (hexavalent), chromium (total), copper, iron, lead, nickel, silver, zinc, cyanide, and total toxic organics (TTO) have been removed from the permit. However, a condition has been added to the permit requiring semi-annual metals monitoring for the purpose of conducting a reasonable potential analysis at the time of this permit's renewal. The removal of the chrome plating line is considered a material and substantial alteration to the permitted facility which justifies the application of a less stringent effluent limitation, therefore the removal of the permit limits for these metals and replacement with monitoring does not violate the anti-backsliding provisions of Title 40 CFR 122.44(l).

Outfall 005 has been removed from the permit. Since 2008, Caterpillar has not leased any portion of the property or conducted any operations on the property discharging stormwater runoff to Outfall 005. CenterPoint Joliet LLC is the owner and operator of the property discharging stormwater runoff to the former Outfall 005. Discharges from CenterPoint Joliet LLC were permitted under NPDES Permit Number IL0078140 which was terminated May 8, 2013.

The facility is currently constructing a new primary waste water treatment plant (WWTP) and is making improvements to their storm water collection system. The existing primary WWTP will continue to be operated until the new primary WWTP is brought on-line.

Storm water catch basins located east and south of building T, which currently discharges to the acids, alkaline, and oil (AAO) sewer for treatment prior to discharging to outfall 001 will be redirected to the site storm water collection system which discharges to Outfall 003. This will redirect the runoff from an area of approximately 150,000 sq. ft. (3.44 acres) and will reduce surge flows to the WWTP due to precipitation events.

The new primary WWTP is being constructed as permitted under IEPA Permit No. 2013-EA-58103 which was issued September 19, 2013. The new primary WWTP was designed to treat an average flow of 0.163 MGD and a maximum flow of 0.373 MGD and will include screening, basket filtration, oil water separation, flocculation, dissolved air flotation, equalization, aeration, and pH adjustment. Wastewater treated in the new primary WWTP will be pumped to the existing secondary WWTP which has not been modified. The secondary WWTP consists of two equalization basins, aeration basins, and two clarifiers operated in parallel and has a DAF= 1.8 MGD and a DMF =3.6 MGD. Discharges from the secondary treatment WWTP are to Outfall 001. In addition to the above treatment, the facility has replaced their sludge dewatering unit with a 100 cu. ft. plate and frame filter press with all filtrate being returned to the raw wastewater collection sump and all collected solids being disposed of at an off-site landfill. The facility's treatment system is used to treat all non-storm water discharges and storm water from the process area. These modifications were conducted to update old equipment and to minimize storm water flows to the treatment system in order to reduce the potential of overloading the WWTP during precipitation events.

Phosphorus and Total Nitrogen monitoring have been added to Outfall 001, in an effort to gather data to be utilized in the Agency's nutrient management efforts.

The requirements associated with the storm water pollution prevention plan have been changed to reflect the Agency's current recommendations and requirements.

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

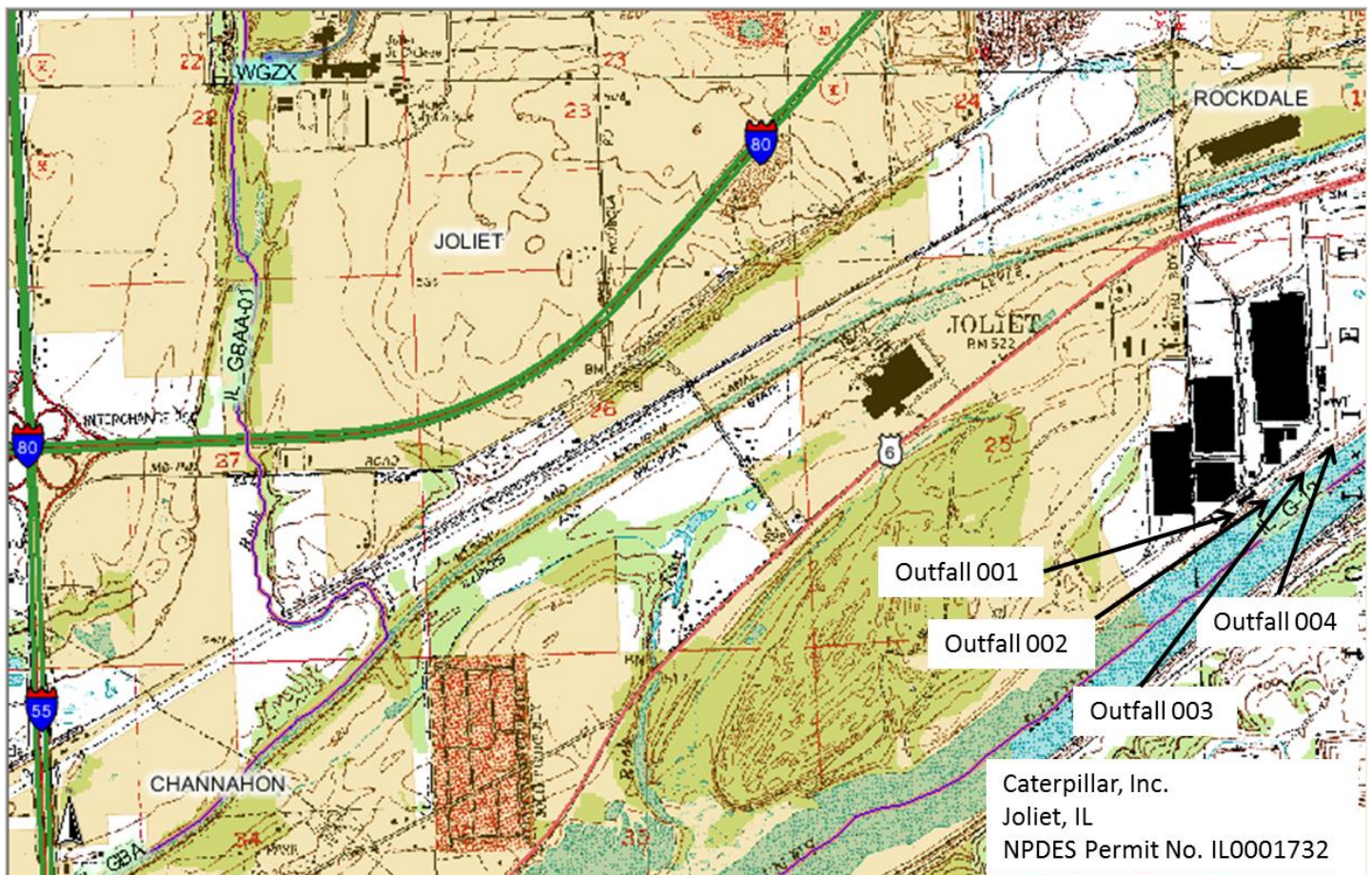
Outfall	Receiving Stream	Latitude	Longitude	Stream Classification	Integrity Rating
001	Des Plaines River	41° 29' 00" North	88° 08' 11" West	Incidental Contact Recreation Waters	D
002	Des Plaines River	41° 29' 01" North	88° 08' 09" West	Incidental Contact Recreation Waters	D
003	Des Plaines River	41° 29' 04" North	88° 08' 03" West	Incidental Contact Recreation Waters	D
004	Des Plaines River	41° 29' 04" North	88° 07' 55" West	Incidental Contact Recreation Waters	D

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

The stream segment, IL_G-12, receiving the discharges from outfall(s) 001, 002, 003 and 004 is on the 2014 303(d) list of impaired waters and was not considered 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	Impairment(s)
Fish Consumption	Polychlorinated biphenyls and mercury



The discharge(s) from the facility shall be monitored and limited at all times as follows:

Outfall: 001

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/L		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
Flow (MGD)				Monitor Only		
pH				Shall be within range 6–9 s.u.		35 IAC 304.125
BOD ₅	354	708	35 IAC 304.120	20	40	35 IAC 304.120
Total Suspended Solids	443	885	35 IAC 304.120	25	50	35 IAC 304.120
Oil and Grease	266	531	35 IAC 304.124	15	30	35 IAC 304.124
Total Phosphorus				Monitor Only		
Total Nitrogen				Monitor Only		

Outfall(s): 002, 003, and 004

The permittee is required to maintain a storm water pollution prevention plan (SWPPP) which incorporates best management practices (BMPs) in order to minimize stormwater runoff and to minimize contamination of stormwater runoff.

Load Limit Calculations:

- A. Load limit calculations for Outfall 001 for the following pollutant parameters were based on an average and maximum flow of 2.1232 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): BOD₅, TSS, and Oil and Grease.

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

Flows utilized to calculate load limits are less than the flow identified as being discharged from the facility because boiler wastes and non-contact cooling waters were considered dilutional flows and were not credited towards a mass limitation.

The following explain the conditions of the proposed permit:

The special conditions of the permit serve the purpose of clarifying monitoring requirements, monitoring location, DMR submission, treatment plant operator certification requirements, Storm Water Pollution Prevention Plan (SWPPP) requirements, and include a monitoring requirement for the following parameters: Arsenic, Barium, Cadmium, Chromium (hexavalent), Chromium (total), Copper, Cyanide (available or amenable to chlorination), Cyanide (total), Fluoride, Iron (total), Iron (Dissolved), Lead, Manganese, Mercury, Nickel, Oil (hexane soluble or equivalent), Phenols, Selenium, Silver (total), and Zinc.

Public Notice of Draft Permit

Public Notice Number 14041101bwc.docx 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 National Pollutant Discharge Elimination System (NPDES) Permit Number IL0001732 has been prepared under 40 CFR 124.6(d) for Caterpillar, Inc., 100 NE Adams Street, Peoria, Illinois 61629 for discharge into the Ohio River from the facility, Caterpillar, Inc. - Joliet, 2200 Channahon Road, Joliet, Illinois 60434, (Will County). The applicant is engaged in manufacturing and assembling hydraulics and hydraulic systems for construction machinery (SIC 3531). Waste water is generated from parts washing, hydraulic pump, motor and valve test stand oil overflow, spent cutting oils and coolants, boiler waste and non-contact cooling water. Plant operation results in an average discharge of 2.62 MGD of treated process waste, boiler waste and non-contact cooling water from outfall 001 and intermittent discharge of stormwater from outfalls 002 through 004. All discharges are to the Des Plaines River.

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 to the Agency at the above address. The NPDES Permit and joint public notice 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.

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.

NPDES Permit No. IL0001732
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 Permittee:

Caterpillar, Inc.
100 NE Adams Street
Peoria, Illinois 61629

Facility Name and Address:

Caterpillar, Inc. - Joliet
2200 Channahon Road
Joliet, Illinois 60434
(Will County)

Discharge Number and Name:

Outfall 001 – Treated Process Waste, Boiler Wastes, Non-Contact
Cooling Water, and Process Area Stormwater.
Outfall 002 - Stormwater
Outfall 003 - Stormwater
Outfall 004 - Stormwater

Receiving Waters:

Des Plaines River
Des Plaines River
Des Plaines River
Des Plaines 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:BWC:14041101bwc.docx

NPDES Permit No. IL0001732

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 – Treated Process Waste, Boiler Wastes, Non-Contact Cooling Water, and Process Area Stormwater
(DMF = 2.62 MGD)

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/L		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)	See Special Condition 1				Daily	Continuous
pH	See Special Condition 2				2/Week	Grab
BOD ₅	354	708	20	40	2/Week	Composite
Total Suspended Solids	443	885	25	50	2/Week	Composite
Oil and Grease	266	531	15	30	2/Week	Composite*
Total Phosphorus				Monitor Only	Semi-Annual**	Composite
Total Nitrogen				Monitor Only	Semi-Annual**	Composite

*See Special Condition 8.

**See Special Condition 15.

Outfall(s): 002, 003 and 004 – Stormwater *
(DAF = Intermittent)

*See Special Condition 18 for Storm Water Pollution Prevention Plan (SWPPP) requirements.

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 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. 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 Des Plaines River.

SPECIAL CONDITION 4. 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 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 electronic DMRs (NetDMRs) 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 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 6. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 7. For the purpose of this permit the discharge from Outfall 001 is limited to treated process wastewater, boiler waste, non-contact cooling water, and process area storm water and discharges from Outfalls 002, 003, and 004 are limited to storm water, free from process and other wastewater discharges. In the event the permittee shall require the use of water treatment additives other than those previously approved by this Agency, or if the permittee increases the feed rate or quantity of the additives used beyond what has previously been approved by this Agency, the permittee shall request a modification of this permit in accordance with the Standard Conditions – Attachment H.

SPECIAL CONDITION 8. The composites for oil, fats, and greases shall consist of sample aliquots of approximately equal volume, a minimum of 100 milliliters, be collected at regular time intervals over an eight-hour period (three aliquots total). A single sample formed by combining all the aliquots, and the solvent rinse of the container, would then be analyzed. The results of the single analysis is then reported for oil, fats, and grease.

SPECIAL CONDITION 9. The permittee shall not be required to install new and additional treatment facilities solely intended to control those effluent parameters for which the permittee presently has no treatment so long as said parameters remain at or below the effluent limitations of the water pollution regulations of Subtitle C; Chapter 1, or at or below the applicable limitations of 40 CFR 438.

SPECIAL CONDITION 10. Standard Condition 12(a) only applies to planned physical alterations or additions to the permitted facility which will result in the discharge of new or different pollutants or increased levels for those pollutants currently being discharged. Special Condition 1 and Standard Condition 12(a) do not require Caterpillar to report day-to-day or seasonal variations of production processes or scheduling at the Joliet facility.

NPDES Permit No. IL0001732

Special Conditions

SPECIAL CONDITION 11. The diversion or bypass of any discharge from the treatment works is prohibited, except (1) where unavoidable to prevent the loss of life or severe property damage, or (2) where excessive storm drainage runoff would damage any facilities necessary for compliance under the effluent limitations and prohibitions of the permit. Notification of bypasses shall be as required under 40 CFR 122.60(f)(1), (f)(2), (g)(3) and (g)(4) and 40 CFR 122.7(l)(6) and (l)(7).

SPECIAL CONDITION 12. Discharge and Monitoring of Other Pollutants

The permittee may discharge pollutants not specifically identified or limited in the permit at a level that is not prohibited by state or federal law.

SPECIAL CONDITION 13. The provisions of this permit are not intended to restrict production processes or scheduling of the permittee's facilities. Rather, the provisions of this permit are only restricting the amount of pollutants that can be discharged. This condition does not supersede the standard conditions of this permit.

SPECIAL CONDITION 14. The Permittee shall conduct semi-annual monitoring of the Outfall 001 effluent and report concentrations (in mg/l) of the following listed parameters. Monitoring shall begin three (3) months from the effective date of this permit. The sample shall be a 24-hour effluent composite except as otherwise specifically provided below and the results shall be submitted on Discharge Monitoring Report Forms to IEPA unless otherwise specified by the IEPA. The parameters to be sampled and the minimum reporting limits to be attained are as follows:

<u>STORET</u> <u>CODE</u>	<u>PARAMETER</u>	<u>Minimum</u> <u>reporting limit</u>
01002	Arsenic	0.05 mg/L
01007	Barium	0.5 mg/L
01027	Cadmium	0.001 mg/L
01032	Chromium (hexavalent) (grab)	0.01 mg/L
01034	Chromium (total)	0.05 mg/L
01042	Copper	0.005 mg/L
00718	Cyanide (grab (available *** or amenable to chlorination))	5.0 ug/L
00720	Cyanide (total) (grab not to exceed 24 hours)	5.0 ug/L
00951	Fluoride	0.1 mg/L
01045	Iron (total)	0.5 mg/L
01046	Iron (Dissolved)	0.5 mg/L
01051	Lead	0.05 mg/L
01055	Manganese	0.5 mg/L
71900	Mercury (grab)**	1.0 ng/L*
01067	Nickel	0.005 mg/L
00556	Oil (hexane soluble or equivalent) (Grab Sample only)	5.0 mg/L
32730	Phenols (grab)	0.005 mg/L
01147	Selenium	0.005 mg/L
01077	Silver (total)	0.003 mg/L
01092	Zinc	0.025 mg/L

Unless otherwise indicated, concentrations refer to the total amount of the constituent present in all phases, whether solid, suspended or dissolved, elemental or combined, including all oxidation states.

*1.0 ng/L = 1 part per trillion.

**Utilize USEPA Method 1631E and the digestion procedure described in Section 11.1.1.2 of 1631E.

***USEPA Method OIA-1677.

SPECIAL CONDITION 15. Semi-annual sampling shall be conducted once during the months of January – June and once during the months of July – December, with the results being submitted with the July and January DMRs respectively.

SPECIAL CONDITION 16. 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 17. The effluent, alone or in combination with other sources, shall not cause a violation of any applicable water quality standard outlined in 35 Ill. Adm. Code 302.

Special Conditions

SPECIAL CONDITION 18.

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.);

Special Conditions

- 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

NPDES Permit No. IL0001732

Special Conditions

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 evapotranspire 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

NPDES Permit No. IL0001732

Special Conditions

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.
- 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)

NPDES Permit No. IL0001732

Special Conditions

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

- 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.