

NPDES Permit No. IL0001732
Notice No. REP:05112901.bah

Public Notice Beginning Date: **January 27, 2006**

Public Notice Ending Date: **February 27, 2006**

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:

Caterpillar, Inc.
100 NE Adams
Peoria, Illinois 61629

Name and Address of Facility:

Caterpillar, Inc. - Joliet
2200 Channahon Road
Joliet, Illinois 60436
(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 discharger. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice/Fact Sheet. The last day comments will be received will be on the Public Notice period ending date unless a commentor demonstrating the need for additional time requests an extension to this comment period and the request is granted by the IEPA. Interested persons are invited to submit written comments on the draft permit to the IEPA at the above address. Commentors shall provide his or her name and address and the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to those issues. Commentors may include a request for public hearing. Persons submitting comments and/or requests for public hearing shall also send a copy of such comments or requests to the permit applicant. The NPDES permit and notice number(s) must appear on each comment page.

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

If written comments or requests 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 Richard E. Pinneo at 217/782-0610.

The applicant is engaged in manufacturing earth moving equipment and components specifically hydraulics and hydraulic systems (SIC 3531). Waste water is generated from parts washing, chrome plating rinse waters, overflow from paint water curtain over spray filtering system, 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 005.

Application is made for 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	Biological Stream Characterization
001	Des Plaines River	41° 29' 05"	North	88° 08' 03"	West	Secondary Contact and Indigenous Aquatic Life	C
002	Des Plaines River	41° 29' 04"	North	88° 08' 06"	West	Secondary Contact and Indigenous Aquatic Life	C
003	Des Plaines River	41° 29' 00"	North	88° 08' 10"	West	Secondary Contact and Indigenous Aquatic Life	C
004	Des Plaines River	41° 28' 55"	North	88° 08' 20"	West	Secondary Contact and Indigenous Aquatic Life	C
005	Des Plaines River	41° 29' 08"	North	88° 07' 55"	West	Secondary Contact and Indigenous Aquatic Life	C

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

The stream segment (G-12) receiving the discharge from outfalls 001 through 005 is on the 303 (d) list of impaired waters. The following parameters have been identified as the pollutants causing impairment:

Potential Causes	Potential Sources
PCBs, mercury	Contaminated sediments and sources unknown

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

Outfall: 001

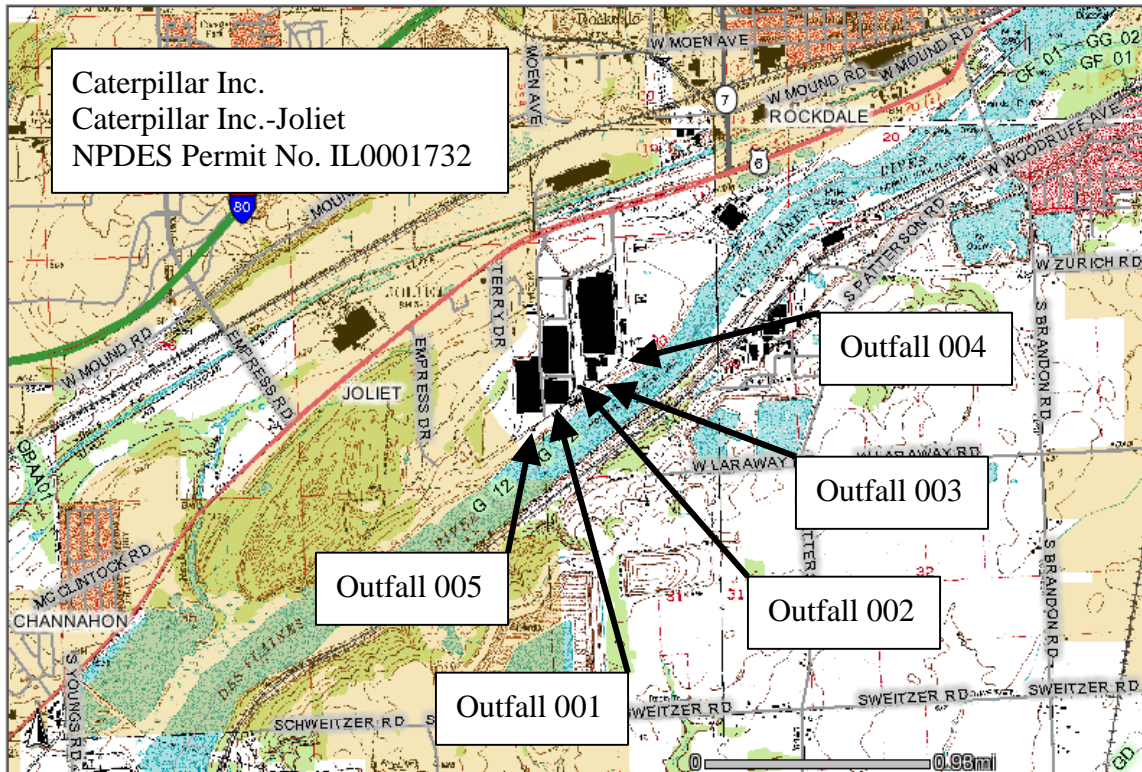
PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/l		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
pH				6	9	35 IAC 304.125
BOD ₅	354.3	708.7	35 IAC 304.120 and 309.143	20	40	35 IAC 304.120
Total Suspended Solids	442.9	885.9	35 IAC 304.120 and 309.143	25	50	35 IAC 304.120
Hexavalent Chromium	1.7	5.3	35 IAC 304.124 and 309.143	0.1	0.3	35 IAC 304.124
Chromium (Total)	17.71	35.41	35 IAC 304.124 and 309.143	1.0	2.0	35 IAC 304.124
Oil and Grease	265.7	531.5	35 IAC 304.124 and 309.143	15	30	35 IAC 304.124
Iron (Total)	35.4	70.8	35 IAC 304.124 and 309.143	2.0	4.0	35 IAC 304.124
Total Toxic Organics (TTO)	--	34.71	40 CFR 433 and 122.45	--	1.96	40 CFR 433
Cadmium	2.7	5.3	35 IAC 304.124 and 309.143	0.15	0.3	35 IAC 304.124
Copper	8.86	17.71	35 IAC 304.124 and 309.143	0.5	1.0	35 IAC 304.124
Lead	3.54	7.09	35 IAC 304.124 and 309.143	0.2	0.4	35 IAC 304.124
Nickel	17.71	35.43	35 IAC 304.124 and 309.143	1.0	2.0	35 IAC 304.124
Silver	1.77	3.54	35 IAC 304.124 and 309.143	0.1	0.2	35 IAC 304.124
Zinc	17.71	35.43	35 IAC 304.124 and 309.143	1.0	2.0	35 IAC 304.124
Cyanide (Total)	1.77	3.54	35 IAC 304.124 and 309.143	0.1	0.2	35 IAC 304.124

Load Limit Calculations:

Load limit calculations for the following pollutant parameters were based on an average flow and a maximum flow of 2.124 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, Total Suspended Solids, Hexavalent Chromium, Chromium (Total), Oil and Grease, Iron (Total), Total Toxic Organics (TTO), Cadmium, Copper, Lead, Nickel, Silver, Zinc and Cyanide (Total).

The following explain the conditions of the proposed permit:

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. A technical mistake can be found in the previous copper limit. This correction is allowed under the anti-backsliding regulation 40 CFR 12.44(l) and since copper is not utilized at the facility the inclusion of the corrected limit will not result in an actual increase in loading to the receiving stream and therefore not required to have an anti-degradation assessment pursuant to 35 IAC 302.105(d)(7). The limits for cadmium, nickel, silver, zinc, lead and cyanide total were all based upon a mistaken interpretation in law. The water quality review performed June 2, 1995 identified that no reasonable potential to exceed water quality limitation existed for these pollutant parameters, but water quality limitations were placed in the permit. The inclusion of effluent based standards does not violate anti-backsliding regulations found in 40 CFR 122.43(l) nor does it require an anti-degradation assessment for the same reason given for copper. Stormwater will be controlled by a requirement to continue following the prepared storm water pollution prevention plan. TTO monitoring can be performed or a certification statement can be made stating that the approved TTO management plan had been followed and that no dumping of concentrated TTO materials occurred.



Public Notice of Draft Permit

Public Notice Number REP:05112901.bah 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, Peoria, Illinois 61629 for discharge into Des Plaines River from the Caterpillar, Inc. - Joliet, 2200 Channahon Road, Joliet, Illinois 60436 (Will County). The applicant is engaged in manufacturing earth moving equipment and components specifically hydraulics and hydraulic systems (SIC 3531). Waste water is generated from parts washing, chrome plating rinse waters, overflow from paint water curtain over spray filtering system, 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 005. The discharges are to the Des Plaines River which has a stream classification of Secondary Contact and Indigenous Aquatic Life, a Biological Stream Classification of C and can be found on the 2004 303(d) list of impaired waters for stream segment G-12.

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

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

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

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

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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
Peoria, Illinois 61629

Facility Name and Address:

Caterpillar, Inc. - Joliet
2200 Channahon Road
Joliet, Illinois 60436
(Will County)

Discharge Number and Name:	Receiving Waters:
001 Treated Process Waste, Boiler Wastes and Non-contact Cooling Water	Des Plaines River
002-005 Stormwater	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

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Effluent Limitations and Monitoring

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

Outfall: 001

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)					Daily	Continuous
pH	See Special Condition 1				2/Week	Grab
BOD ₅	354.3	708.7	20	40	2/Week	Composite
Total Suspended Solids	442.9	885.9	25	50	2/Week	Composite
Chromium (Hexavalent)	1.7	5.3	0.1	0.3	1/Week	Grab
Chromium (Total)	17.71	35.41	1.0	2.0	1/Week	Composite
Oil and Grease	265.7	531.5	15	30	2/Week	Composite*
Iron (Total)	35.4	70.8	2.0	4.0	1/Week	Composite
Cadmium	2.7	5.3	0.15	0.3	****	Composite
Copper	8.86	17.71	0.5	1.0	****	Composite
Lead	3.54	7.09	0.2	0.4	****	Composite
Nickel	17.71	35.43	1.0	2.0	****	Composite
Silver	1.77	3.54	0.1	0.2	****	Composite
Zinc	17.71	35.43	1.0	2.0	****	Composite
Cyanide (Total)	1.77	3.54	0.1	0.2	****	Composite
TTO**		34.71		1.96	***	Grab

*See Special Condition 7.

**See Special Condition 8.

***See Special Condition 9.

****Samples shall be collected and analyzed in January and reported on the Discharge Monitoring Report (DMR) form the following month.

Outfalls: 002 through 005*

*See Special Condition 16.

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Special Conditions

SPECIAL CONDITION 1. 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 2. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge but prior to entry into the Des Plaines River.

SPECIAL CONDITION 3. 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 4. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 5. For the purpose of this permit the discharge from outfall 001 is limited to treated process waste, boiler waste and non-contact cooling water and discharges from outfalls 002 through 005 are limited to stormwater runoff.

SPECIAL CONDITION 6. Flow shall be reported as a monthly average and daily maximum value in units of Million Gallons per Day (MGD).

SPECIAL CONDITION 7. 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 8. Total toxic organics (TTO) shall be defined as the summation of all quantifiable values greater than 0.01 milligrams per liter for the toxic organics listed in 40 CFR 433.11(e). The TTO limitation is a guideline based limitation and is not an authorization to discharge toxic organic compounds at levels which cause or may cause water quality violations. The discharge of organic compounds at levels which cause or may cause water quality violations is prohibited.

SPECIAL CONDITION 9. The pollutants listed in 40 CFR 433.11(e) for TTO shall be monitored 1/quarter (January, April, July and October) by at least two grab samples for volatile pollutants and a 24-hour composite sample for PCB's unless the permittee is able to make the following certification statement for each quarterly period in lieu of monitoring for TTO:

Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organic (TTO), in certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the toxic organic pollutant management plan submitted to and approved by the Illinois EPA.

SPECIAL CONDITION 10. 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 433.

SPECIAL CONDITION 11. 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 6 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.

SPECIAL CONDITION 12. 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 13. 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.

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Special Conditions

SPECIAL CONDITION 14. 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 15. Immediate implementation of the attached toxic organic pollution management plan (Exhibit B) is required.

SPECIAL CONDITION 16. The permittee shall continue implementing the storm water pollution prevention plan (SWPPP) that was previously prepared for outfalls 002 through 005. The permittee shall evaluate the potential for leaks and spills in each drainage area for outfalls 002 through 005 and determine if periodic pH monitoring of the stormwater discharges is warranted. The evaluation shall be completed within 180 days from the effective date of this permit. A report shall be submitted with the results of the evaluation and recommendations for monitoring including frequency of monitoring if monitoring is warranted. The storm water pollution prevention plan shall include the following:

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

- A. The plan shall identify potential sources of pollution which may be expected to affect the quality of storm water discharges associated with the industrial activity at the facility. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges associated with industrial activity at the facility and to assure compliance with the terms and conditions of this permit.
- B. The owner or operator of the facility shall make a copy of the plan available to the Agency at any reasonable time upon request. [Note: If the plan has already been developed and implemented it shall be maintained in accordance with all requirements of this special condition.]
- C. The permittee may be notified by the Agency at any time that the plan does not meet the requirements of this condition. After such notification, the permittee shall make changes to the plan and shall submit a written certification that the requested changes have been made. Unless otherwise provided, the permittee shall have 30 days after such notification to make the changes.
- D. The discharger shall amend the plan whenever there is a change in construction, operation, or maintenance which may affect the discharge of significant quantities of pollutants to the waters of the State or if a facility inspection required by paragraph G of this condition indicates that an amendment is needed. The plan should also be amended if the discharger is in violation of any conditions of this permit, or has not achieved the general objective of controlling pollutants in storm water discharges. Amendments to the plan shall be made within the shortest reasonable period of time, and shall be provided to the Agency for review upon request.
- E. The plan shall provide a description of potential sources which may be expected to add significant quantities of pollutants to storm water discharges, or which may result in non-storm water discharges from storm water outfalls at the facility. The plan shall include, at a minimum, the following items:
 1. A topographic map extending one-quarter mile beyond the property boundaries of the facility, showing: the facility, surface water bodies, wells (including injection wells), seepage pits, infiltration ponds, and the discharge points where the facility's storm water discharges to a municipal storm drain system or other water body. The requirements of this paragraph may be included on the site map if appropriate.
 2. A site map showing:
 - I. The storm water conveyance and discharge structures;
 - ii. An outline of the storm water drainage areas for each storm water discharge point;
 - iii. Paved areas and buildings;
 - iv. Areas used for outdoor manufacturing, storage, or disposal of significant materials, including activities that generate significant quantities of dust or particulates.
 - v. Location of existing storm water structural control measures (dikes, coverings, detention facilities, etc.);

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- vi. Surface water locations and/or municipal storm drain locations
 - vii. Areas of existing and potential soil erosion;
 - viii. Vehicle service areas;
 - ix. Material loading, unloading, and access areas.
3. A narrative description of the following:
- I. The nature of the industrial activities conducted at the site, including a description of significant materials that are treated, stored or disposed of in a manner to allow exposure to storm water;
 - ii. Materials, equipment, and vehicle management practices employed to minimize contact of significant materials with storm water discharges;
 - iii. Existing structural and non-structural control measures to reduce pollutants in storm water discharges;
 - iv. Industrial storm water discharge treatment facilities;
 - v. Methods of onsite storage and disposal of significant materials;
4. A list of the types of pollutants that have a reasonable potential to be present in storm water discharges in significant quantities.
5. An estimate of the size of the facility in acres or square feet, and the percent of the facility that has impervious areas such as pavement or buildings.
6. A summary of existing sampling data describing pollutants in storm water discharges.
- F. The plan shall describe the storm water management controls which will be implemented by the facility. The appropriate controls shall reflect identified existing and potential sources of pollutants at the facility. The description of the storm water management controls shall include:
1. Storm Water Pollution Prevention Personnel - Identification by job titles of the individuals who are responsible for developing, implementing, and revising the plan.
 2. Preventive Maintenance - Procedures for inspection and maintenance of storm water conveyance system devices such as oil/water separators, catch basins, etc., and inspection and testing of plant equipment and systems that could fail and result in discharges of pollutants to storm water.
 3. Good Housekeeping - Good housekeeping requires the maintenance of clean, orderly facility areas that discharge storm water. Material handling areas shall be inspected and cleaned to reduce the potential for pollutants to enter the storm water conveyance system.
 4. Spill Prevention and Response - Identification of areas where significant materials can spill into or otherwise enter the storm water conveyance systems and their accompanying drainage points. Specific material handling procedures, storage requirements, spill clean up equipment and procedures should be identified, as appropriate. Internal notification procedures for spills of significant materials should be established.
 5. Storm Water Management Practices - Storm water management practices are practices other than those which control the source of pollutants. They include measures such as installing oil and grit separators, diverting storm water into retention basins, etc. Based on assessment of the potential of various sources to contribute pollutants, measures to remove pollutants from storm water discharge shall be implemented. In developing the plan, the following management practices shall be considered:
 - I. Containment - Storage within berms or other secondary containment devices to prevent leaks and spills from entering storm water runoff;

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- ii. Oil & Grease Separation - Oil/water separators, booms, skimmers or other methods to minimize oil contaminated storm water discharges;
 - iii. Debris & Sediment Control - Screens, booms, sediment ponds or other methods to reduce debris and sediment in storm water discharges;
 - iv. Waste Chemical Disposal - Waste chemicals such as antifreeze, degreasers and used oils shall be recycled or disposed of in an approved manner and in a way which prevents them from entering storm water discharges.
 - v. Storm Water Diversion - Storm water diversion away from materials manufacturing, storage and other areas of potential storm water contamination;
 - vi. Covered Storage or Manufacturing Areas - Covered fueling operations, materials manufacturing and storage areas to prevent contact with storm water.
6. Sediment and Erosion Prevention - The plan shall identify areas which due to topography, activities, or other factors, have a high potential for significant soil erosion and describe measures to limit erosion.
7. Employee Training - Employee training programs shall inform personnel at all levels of responsibility of the components and goals of the storm water pollution control plan. Training should address topics such as spill response, good housekeeping and material management practices. The plan shall identify periodic dates for such training.
8. Inspection Procedures - Qualified plant personnel shall be identified to inspect designated equipment and plant areas. A tracking or follow-up procedure shall be used to ensure appropriate response has been taken in response to an inspection. Inspections and maintenance activities shall be documented and recorded.
- G. The permittee shall conduct an annual facility inspection to verify that all elements of the plan, including the site map, potential pollutant sources, and structural and non-structural controls to reduce pollutants in industrial storm water discharges are accurate. Observations that require a response and the appropriate response to the observation shall be retained as part of the plan. Records documenting significant observations made during the site inspection shall be submitted to the Agency in accordance with the reporting requirements of this permit.
- H. This plan should briefly describe the appropriate elements of other program requirements, including Spill Prevention Control and Countermeasures (SPCC) plans required under Section 311 of the CWA and the regulations promulgated thereunder, and Best Management Programs under 40 CFR 125.100.
- I. The plan is considered a report that shall be available to the public under Section 308(b) of the CWA. The permittee may claim portions of the plan as confidential business information, including any portion describing facility security measures.
- J. The plan shall include the signature and title of the person responsible for preparation of the plan and include the date of initial preparation and each amendment thereto.

Construction Authorization

- K. 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).

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

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Special Conditions

2. The issuance of this authorization (a) does not release the permittee from any liability for damage to persons or property caused by or resulting from the installation, maintenance or operation of the proposed facilities; (b) does not take into consideration the structural stability of any units or part of this project; and 8 does not release the permittee from compliance with other applicable statutes of the State of Illinois, or other applicable local law, regulations or ordinances.
3. Plans and specifications of all treatment equipment being included as part of the stormwater management practice shall be included in the SWPPP.
4. Construction activities which result from treatment equipment installation, including 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

- L. The facility shall submit an annual inspection report to the Illinois Environmental Protection Agency. The report shall include results of the annual facility inspection which is required by Part G of the Storm Water Pollution Prevention Plan of this permit. The report shall also include documentation of any event (spill, treatment unit malfunction, etc.) which would require an inspection, results of the inspection, and any subsequent corrective maintenance activity. The report shall be completed and signed by the authorized facility employee(s) who conducted the inspection(s).
- M. The first report shall contain information gathered during the one year time period beginning with the effective date of coverage under this permit and shall be submitted no later than 60 days after this one year period has expired. Each subsequent report shall contain the previous year's information and shall be submitted no later than one year after the previous year's report was due.
- N. Annual inspection reports shall be mailed to the following address:

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

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

SPECIAL CONDITION 17. 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.

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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

EXHIBIT B
 TOXIC ORGANIC POLLUTANT MANAGEMENT PLAN
 JOLIET PLANT
 IL0001732

Toxic Organics used: (as of 02/28/05)

Benzene	Ethylbenzene
Bis (2-ethylhexyl) phthalate	Naphthalene
Butyl benzyl phthalate	Phenol
Carbon tetrachloride	Toluene
Diethyl phthalate	1,1,1-Trichloroethane
Dioctyl phthalate	

TOXIC ORGANICS

<u>Toxic Organic</u>	<u>Use</u>	<u>Disposal</u>
Benzene	Unleaded Gasoline (4% component) Estimated maximum use: 11,000 lbs/year Contact Adhesive (<0.1% component) estimated maximum use <0.5 lbs/yr	Used up as motor vehicle fuel. Air emission during curing.
Bis(2-Ethylhexyl) Phthalate	Stop off Paint for Chrome Plating (6% component) estimated maximum use: 10 lbs/yr	Solidification by curing. No disposal to wastewater.
Butyl Benzyl Phthalate	Dip Coating/surface coating (5% component) estimated maximum use: 5 lbs/yr	Solidification by curing. No disposal to wastewater
Carbon Tetrachloride	Gasket/Adhesive (0.5% component) estimated maximum use <0.5 lbs/yr	Solidification by curing. No disposal to wastewater.
Diethyl Phthalate	Pipe sealant - anaerobic, (55-60% component) Estimated maximum use: 40 lbs/year	Solidification by curing.
Dioctyl Phthalate	Plastic wood filler (5-10% component) Estimated maximum use: 4 lbs/year	Solidification by curing. No disposal to wastewater.

	<u>TOXIC ORGANICS</u>	
<u>Toxic Organic</u>	<u>Use</u>	<u>Disposal</u>
Ethylbenzene	<p>Unleaded Gasoline (2% component) Estimated maximum use: 7,000 lbs/year</p> <p>Paint Production (1-5% component) Estimated maximum use: 3,000 lbs/year</p> <p>Solvent, Paint (10-15% component) Estimated maximum use: 50 lbs/year</p>	<p>Used up as motor vehicle fuel.</p> <p>Air emission during curing. Waste paint and related solvent wastes, when disposed are handled as hazardous wastes under RCRA.</p> <p>Air emission during curing. Waste paint and related solvent wastes, when disposed are handled as hazardous wastes under RCRA.</p>
Naphthalene	<p>Diesel Fuel (1% component) Estimated maximum use: 1,300 lbs/year</p>	Used up as motor vehicle fuel.
Phenol	<p>Diesel Engine Oil (0.02% component) estimated maximum use: 25 lbs/yr</p>	Used up in motor vehicles.
Toluene	<p>Unleaded Gasoline (22% component) Estimated maximum use: 60,000 lbs/year</p> <p>Paint Production (5-7% component) Estimated maximum use: 10,000 lbs/year</p> <p>Solvent - Paint (10-15% average component) Estimated maximum use: 1,000 lbs/year</p>	<p>Used up as motor vehicle fuel.</p> <p>Air emission during curing. Waste paint and related solvent wastes, when disposed are handled as hazardous wastes under RCRA.</p> <p>Air emission during curing. Waste paint and related solvent wastes, when disposed are handled as hazardous wastes under RCRA..</p>
1,1,1-Trichloroethane	<p>Gasket material (60-100% component) Estimated maximum use: 50 lbs/year</p> <p>Reagent, Lab (100% component) Estimated maximum use: 150 lbs/year (1 liter per week)</p>	<p>Curing of adhesive leaves no residual to enter wastewater.</p> <p>One liter per week of less than 50%, 1,1,1-trichloroethane is treated by the wastewater treatment plant with a 90% treatment/removal efficiency.</p>

Management Procedures for Toxic Organics

1. All new materials are reviewed for toxic organic content. Those that contain toxic organic will be limited in use to areas that confine and control the discharge, ensuring that the toxic organics do not routinely spill or leak into the wastewater.
2. Since concentrated toxic organics are not used (with the exception of lab reagent and adhesives) or produced in this plant, spill or leaks are not expected. The other products involved contain relatively small amounts of these compounds. These products are only authorized for use by certain areas of the plant, preventing wastewater contamination.
3. Computer search of 40 CFR 433.11(a) list against plants chemical inventory is conducted annually to verify and check the screening process for new products used at the plant.