

NPDES Permit No. IL0002305
Notice No. LRL:12082101.daa

Public Notice Beginning Date: **November 9, 2012**

Public Notice Ending Date: **December 10, 2012**

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:

Chevron Environmental Management Company
301 West Second Street
Lockport, Illinois 60441

Name and Address of Facility:

Chevron Environmental Management Company
301 West Second Street
Lockport, Illinois 60441
(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 Leslie Lowry at 217/782-0610.

The applicant is engaged in the demolition, cleanup, and redevelopment of a former petroleum refinery (SIC 9999). Plant operation results in an average discharge of 1.65 MGD of south stormwater ponds from outfall 001, 0.778 MGD of north stormwater pond from outfall 002, and 0.072 MGD of wastewater treatment unit from outfall 003.

The following modification is proposed:

New contributory wastestreams were added to outfalls 001, 002, and 003, equipment and vehicle washwater and outfall 001, firewater blowdown.

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

<u>Outfall</u>	<u>Receiving Stream</u>	<u>Latitude</u>		<u>Longitude</u>		<u>Stream Classification</u>	<u>Biological Stream Characterization</u>
001	Deep Run Creek	41° 35' 53"	North	88° 03' 50"	West	General Use	Not Rated
002	Illinois and Michigan Canal	41° 37' 04"	North	88° 03' 40"	West	General Use	Not Rated
003	Chicago Sanitary and Ship Canal	41° 35' 50"	North	88° 03' 58"	West	Secondary Contact	D

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

The stream segments GIX-01 and GH receiving the discharge from outfalls 001 and 002 is not on the 2010 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 stream segment GI-02 receiving the discharge from outfall 003 is on the 2010 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:

<u>Designated Use</u>	<u>Potential Cause</u>
Iron, Dissolved Oxygen, Oil/Grease, PCBs, and Phosphorus (Total)	Indigenous Aquatic Life and Fish Consumption

The discharges from the facility shall be monitored and limited at all times as follows:

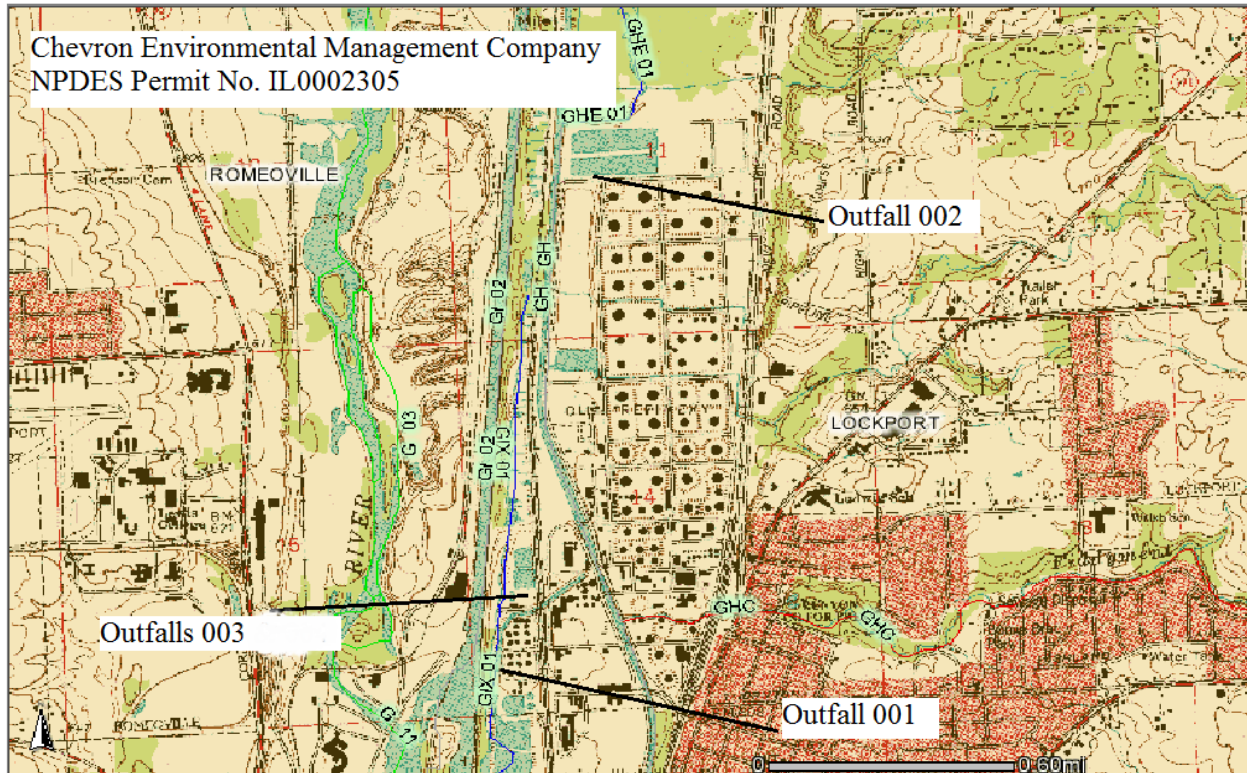
PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/l		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
<u>Outfall 001:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Oil and Grease				15	30	35 IAC 304.124
<u>Outfall 002:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Oil and Grease				15	30	35 IAC 304.124

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/l		
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
<u>Outfall 003:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Total Residual Chlorine					0.05	40 CFR 125.3 & 35 IAC 302.208
Total Suspended Solids				25	50	35 IAC 304.120
BOD ₅				20	40	35 IAC 304.120
Oil and Grease				15	30	35 IAC 304.124
PNAs				Monitor Only		

The following explain the conditions of the proposed permit:

The Special Conditions clarify flow, pH, monitoring location, total residual chlorine, discharge monitoring report submission, PNAs, and stormwater. Load limits were not placed in the permit because the discharge volume is dependent upon stormwater discharges.

An anti-degradation assessment was not done for this facility because the proposed activity is a result of a RCRA clean-up, therefore the facility is subject to Subsection (d) "Activities Not Subject to a Further Antidegradation Assessment" of 35 IAC 302.105.



NPDES Permit No. IL0002305

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:

Facility Name and Address:

Chevron Environmental Management Company
301 West Second Street
Lockport, Illinois 60441

Chevron Environmental Management Company
301 West Second Street
Lockport, Illinois 60441
(Will County)

Discharge Number and Name:	Receiving Waters:
001 South Stormwater Ponds	Deep Run Creek
002 North Stormwater Pond	Illinois and Michigan Canal
003 Wastewater Treatment Unit	Chicago Sanitary and Ship Canal

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:LRL:12082101.daa

NPDES Permit No. IL0002305

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:

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		
<u>Outfall 001 – South Stormwater Ponds</u> (Average Flow = 1.65 MGD) <ol style="list-style-type: none"> 1. Filtered Asbestos Wetdown Water 2. Clean Tank and New Pipeline Hydrotest Water 3. Firewater Blowdown 4. Groundwater 5. Equipment and Vehicle Washwater 6. Stormwater Runoff** 						
Flow (MGD)	See Special Condition 1.				1/Month	Continuous
pH	See Special Condition 2.				1/Month	Grab
Oil and Grease			15	30	1/Month	Composite*
* - See Special Condition 3. ** - See Special Condition 6.						
<u>Outfall 002 – North Stormwater Pond</u> (Average Flow = 0.778 MGD) <ol style="list-style-type: none"> 1. Clean Tank and New Pipeline Hydrotest Water 2. Firewater Blowdown 3. Groundwater 4. Stormwater runoff from Off-Property 5. Equipment and Vehicle Washwater 6. Stormwater Runoff** 						
Flow (MGD)	See Special Condition 1.				1/Month	Continuous
pH	See Special Condition 2.				1/Month	Grab
Oil and Grease			15	30	1/Month	Composite*
*See Special Condition 3. **See Special Condition 6.						

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Effluent Limitations and Monitoring

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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		
<u>Outfall 003 – Wastewater Treatment Unit***</u> (DAF = 0.151 MGD)						
<ol style="list-style-type: none"> 1. Landfill Leachate 2. Recovered Groundwater 3. Steam Out/Wash Out Water 4. New and Existing Pipeline Hydrotest Water 5. Service Water 6. Equipment and Vehicle Washwater 7. Stormwater Runoff** 						
Flow (MGD)	See Special Condition 1.				Measure When Discharging	
pH	See Special Condition 2.				2/Month	Grab
Total Residual Chlorine	See Special Condition 4.			0.05	2/Month	Grab
Oil and Grease			15	30	2/Month	Composite*
CBOD ₅			20	40	2/Month	Composite
Total Suspended Solids			25	50	2/Month	Composite
PNAs	See Special Condition 10.		Monitor Only		1/Quarter	Grab
* - See Special Condition 3. ** - See Special Conditions 6. *** - See Special Condition 11.						

NPDES Permit No. IL0004375

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 (DMR).

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 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 a 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 4. All samples for total residual chlorine (TRC) and total residual halogen (TRH) shall be analyzed by an applicable method contained in 40 CFR 136, equivalent in accuracy to low-level amperometric titration. Any analytical variability of the method used shall be considered when determining the accuracy and precision of the results obtained.

SPECIAL CONDITION 5. 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. The Agency has determined that the effluent limitations in this permit constitute BAT/BCT for stormwater which is treated in the existing treatment facilities for purposes of this permit reissuance, and no pollution prevention plan will be required for such stormwater. In addition to the chemical specific monitoring required elsewhere in this permit, the permittee shall conduct an annual inspection of the facility site to identify areas contributing to a stormwater discharge associated with industrial activity, and determine whether any facility modifications have occurred which result in previously-treated stormwater discharges no longer receiving treatment. If any such discharges are identified the permittee shall request a modification of this permit within 30 days after the inspection. Records of the annual inspection shall be retained by the permittee for the term of this permit and be made available to the Agency on request.

SPECIAL CONDITION 7. 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 8. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 9. 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 10. The provisions of 40 CFR 122.41 m and n are applicable to this permit.

Special Conditions

SPECIAL CONDITION 11. The permittee shall sample the discharge from outfall 003 on a quarterly basis and analyze said sample for the following list of parameters:

Acenaphthene	Chrysene
Acenaphthylene	Dibenzo (a,h) anthracene
Anthracene	Flouranthene
Benzo (a) anthracene	Flourene
Benzo (a) pyrene	Indeno (1,2,3-cd) pyrene
3,4 Benzofluoranthene	Naphthalene
Benzo (ghi) perylene	Phenanthrene
Benzo (K) fluoranthene	Pyrene

Quarterly sampling shall be performed in the months of March, June, September and December with sample results submitted with the following months DMR submittal.

All sample collection, preservation and storage times will conform to 40 CFR 136. The analysis for the above parameters shall meet the detection level as established for accepted test procedures listed in Method 625 40 CFR 136.