

NPDES Permit No. IL0077003
Notice No. MEL:12061903.bah

Public Notice Beginning Date: **August 22, 2012**

Public Notice Ending Date: **September 21, 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 Permittee:

Illinois Environmental Protection Agency
BOL - Remedial Project Management Section
1021 North Grand Ave. East
Springfield, Illinois 62794-9276

Name and Address of Facility:

Former Smith - Douglas Site
600E and 3150N
Streator, Illinois
(LaSalle 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 Mark E. Liska at 217/782-0610.

The applicant is engaged in the remediation of an abandoned former fertilizer plant (SIC 2874). Waste water is generated from the discharge of stormwater runoff from ponds. Plant operation results in an average discharge of pond dewatering wastewater MGD of 001 from outfall 001, intermittent of emergency pond dewater from outfall 002.

The following modification is proposed: Outfall 002 has been added.

Application is made for the new discharge(s) which are located in LivingstonCounty, 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>Integrity Rating</u>
001	Vermilion River	41° 5' 5" North	88° 49' 50" West	General Use	Not Rated
002	Vermilion River	41° 5' 5" North	88° 49' 50" West	General Use	Not Rated

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

The stream segment DS-10 receiving the discharge from outfall(s) 001 and 002 is on the 2010 303(d) list of impaired waters and is 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>
Nitrate	Public Water Supply Use

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

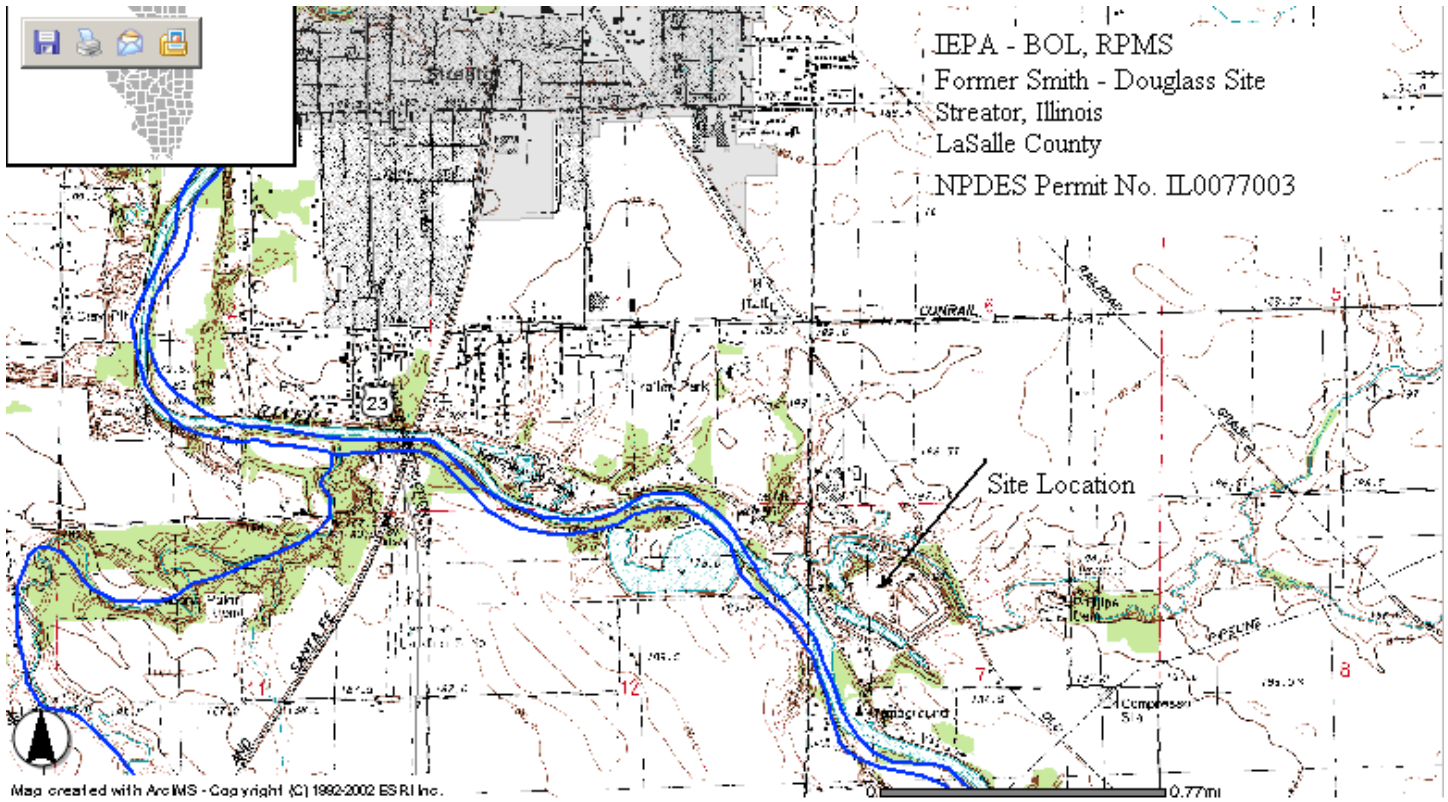
Outfall: 001 and 002

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/L		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
Flow						35 IAC 309.146
pH				6.0 - 9.0		35 IAC 304.125
Total Suspended Solids				15	30	35 IAC 304.124
Fluoride				15	30	35 IAC 304.124
Nickel				1.0	2.0	35 IAC 304.124
Manganese					1.0	35 IAC 302.208
Phosphorus				Monitor		35 IAC 309.146

The following explain the conditions of the proposed permit:

Special Conditions will require monthly DMR submission and explain discharge rules for outfall 001 and 002.

Outfall 002 is a new outfall. This outfall is a short-term emergency outfall only and is not subject to an antidegradation assessment pursuant to 35 Ill. Adm. Code 302.105(d)(1). The site is also under State authority in order to alleviate a release in to the environment hazardous substances, pollutants or contaminants which may pose a danger to public health or welfare pursuant to 35 Ill. Adm. Code 302.105(d)(3).



NPDES Permit No. IL0077003

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:

Illinois Environmental Protection Agency
BOL - Remedial Project Management Section
1021 North Grand Ave. East
Springfield, Illinois 62794-9276

Facility Name and Address:

Former Smith - Douglas Site
Smith - Douglas Road
Streator, Illinois
(LaSalle County)

Discharge Number and Name:

001 – Pond Dewatering
002 – Emergency Pond Dewatering

Receiving Waters:

Vermilion River
Vermilion River

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of Ill. Adm. Code, Subtitle C and/or Subtitle D, Chapter 1, and the Clean Water Act (CWA), the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

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

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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 discharge(s) 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		
Outfall(s): 001* – Pond Dewatering (Intermittent) 002** – Emergency Pond dewatering (Intermittent Discharge)						
Flow	See Special Condition 1				Daily	Measure or Calculate
pH	See Special Condition 2				1/Week	Grab
Total Suspended Solids			15	30	1/Week	Grab
Fluoride			15	30	1/Week	Grab
Nickel			1.0	2.0	1/Week	Grab
Manganese				1.0	1/Week	Grab
Phosphorus			Monitor Only			Grab

* See Special Conditions 3 and 8.

* See Special Condition 7.

Special Conditions

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

SPECIAL CONDITION 2. The pH shall be in the range 6.0 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. The 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. In order to be protective of water quality at all receiving stream flows. The discharge flow rate will be limited allowing hyper discharge flow rates during periods of high stream flows and redirecting the discharge during periods of low stream flow. The following formula will be used to determine the allowable discharge rate each day. While ensuring a minimum at 8 to 1 dilution:

$$\text{Allowable Effluent Flow (cfs)} = \text{River Flow (cfs)}/32$$

The river flow rate shall be determined and updated on a daily basis, when discharging, by using stream flow data available online for USGS gauge 05554500 near Pontiac. This formula allows 25 percent of the stream flow to be available for dilution at a ratio of 8 to 1.

The discharge from outfall 001 shall be sampled on a weekly basis for the parameters on page 2 at the permit. The permittee shall also record the daily receiving stream flow data and daily discharge flow values. All sampling and flow data shall be submitted with the monthly DMR's.

SPECIAL CONDITION 4. 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 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 (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 6. 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 7. The permittee shall provide telephone notification to the IEPA Des Plaines Regional Office prior to any discharge from outfall 002.

SPECIAL CONDITION 8. The Permittee shall conduct semi-annual monitoring of the effluent at outfall 001 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 grab 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:

Special Conditions

<u>STORET CODE</u>	<u>PARAMETER</u>	<u>Minimum reporting limit</u>
01002	Arsenic	0.05 mg/L
01007	Barium	0.5 mg/L
01027	Cadmium	0.001 mg/L
01032	Chromium (hexavalent)	0.01 mg/L
01034	Chromium (total)	0.05 mg/L
01042	Copper	0.005 mg/L
00718	Cyanide (weak acid dissociable)	5.0 ug/L
00720	Cyanide (total)	5.0 ug/L
01045	Iron (total)	0.5 mg/L
01051	Lead	0.05 mg/L
71900	Mercury**	1.0 ng/L*
00556	Oil (hexane soluble or equivalent)	5.0 mg/L
32730	Phenols	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.