

NPDES Permit No. IL0002518  
Notice No. JAR:11062801.ajo

Public Notice Beginning Date: **January 6, 2012**

Public Notice Ending Date: **February 6, 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:

United Suppliers, Inc.  
P.O. Box 216  
Henry, Illinois 61537

Name and Address of Facility:

United Suppliers, Inc.  
1557 County Road 1400 North  
Henry, Illinois 61537  
(Marshall 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 Jaime Rabins at 217/782-0610.

The applicant is engaged in the manufacture of custom dry fertilizers from phosphoric acid, sulfuric acid, ammonia, and TKN mixtures using granulation (SIC 2874). Wastewater is generated from intermittently discharging (blowing down) boiler water to maintain water chemistry, regenerating the water softener resin, non-contact cooling of the air compressors, seepage from the potash unloading pit and seepage from the raw material unloading pit (which includes MAP, ammonia sulfate, ammonia nitrate, etc.). Plant operation results in an average discharge 0.107 MGD of boiler blowdown, softener regenerant, air compressor cooling water, potash unloading sump and raw material unloading pit from outfall 003. Wastewater is routed to a 3.5 million gallon holding pond. Discharges are operator controlled using a 72 gpm lift station and 4 inch forcemain and usually occur during the summer months.

The following modification is proposed:

The 11,520 gallon per day of air compressor cooling water discharged from outfall 001 will be rerouted to the holding pond tributary to outfall 003. As a result outfall 001 will be removed from the permit. Since there is no additional loading of pollutants the Standards Unit concluded that an anti-degradation assessment is not required.

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

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
003	Mud Lake	41° 07' 30"	North	89° 20' 15"	West	General Use	Not Rated

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

The stream segment receiving the discharge from outfall 003 has not been assessed and is not found on the draft 2010 Illinois Integrated Water Quality Report and Section 303(d) List. The receiving water has not been given an integrity rating or been listed as biologically significant in the 2008 Illinois Department of Natural Resources publication *Integrating Multiple Taxa in a Biological Stream Rating System*.

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

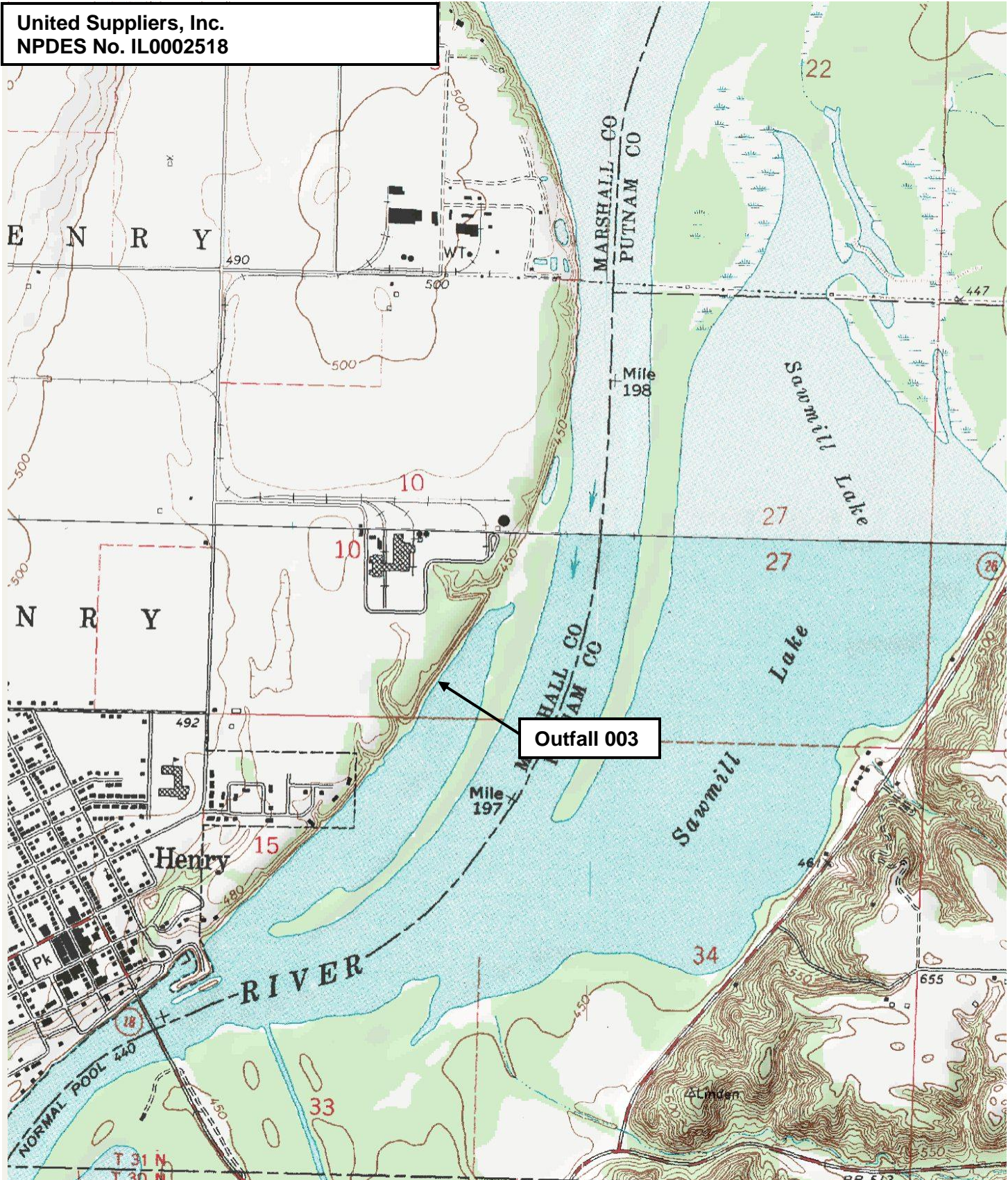
Outfall: 003 Boiler Blowdown, Softener Regenerant, Air Compressor Cooling Water, Potash Unloading Sump and Raw Material Unloading Pit (DAF = 0.107 MGD)

PARAMETER	LOAD LIMITS lbs/day			CONCENTRATION			REGULATION
	DAF (DMF)			LIMITS mg/l			
	Weekly Avg.	Monthly Avg.	Daily Max.	Weekly Avg.	Monthly Avg.	Daily Max.	
Flow (MGD)							
pH			Shall be in the range of 6.5 to 9.0 Standard Units				35 IAC 302.204
Temperature							35 IAC 302.211
Total Suspended Solids					15	30	35 IAC 304.124
Phosphorus					1.0	2.0	35IAC304.123(b)
Ammonia							
Mar-May/Sep-Oct				2.8	1.1	3.7	35 IAC 302.212
Jun-Aug				2.0	0.8	4.0	35 IAC 302.212
Nov-Feb					3.0	3.4	35 IAC 302.212

The following explain the conditions of the proposed permit:

The special conditions clarify: flow reporting, pH, monitoring location, temperature, discharge monitoring reports, re-opening of the permit and water treatment additives. This facility is subject to the Fertilizer Manufacturing Point Source Category – Subpart G Mixed and Blend. This permit does not authorize the discharge of process wastewater pollutants to navigable waters as required by the best practical control technology currently available (BPT) and best available technology economically achievable (BAT) requirements of 40 CFR 418.72 and 40 CFR 418.73

**United Suppliers, Inc.**  
**NPDES No. IL0002518**



NPDES Permit No. IL0002518

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:

United Suppliers, Inc.  
P.O. Box 216  
Henry, Illinois 61537

Facility Name and Address:

United Suppliers, Inc.  
1557 County Road 1400 North  
Henry, Illinois 61537  
(Marshall County)

Discharge Number and Name:	Receiving Waters:
003 Boiler Blowdown, Softener Regenerant, Air Compressor Cooling Water, Potash Unloading Sump and Raw Material Unloading Pit	Mud Lake

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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## NPDES Permit No. IL0002518

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: 003 Boiler Blowdown, Softener Regenerant, Air Compressor Cooling Water, Potash Unloading Sump and Raw Material Unloading Pit (DAF = 0.107 MGD)

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l			Sample Frequency	Sample Type
	Weekly Avg.	Monthly Avg.	Daily Max.	Weekly Avg.	Monthly Avg.	Daily Max.		
Flow(MGD)	See Special Condition 1						1/Week	
pH	See Special Condition 2						2/Month	Grab
Temperature	See Special Condition 4						2/Month	Single Reading
Total Suspended Solids					15	30	2/Month	Grab
Phosphorus					1.0	2.0	2/Month	Grab
Ammonia								
Mar-May/Sep-Oct				3.5	1.4	4.6	1/Week	Grab
Jun-Aug				2.0	0.8	5.5	1/Week	Grab
Nov-Feb					3.4	4.7	1/Week	Grab

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 value on the monthly Discharge Monitoring Report.

SPECIAL CONDITION 2. The pH shall be in the range 6.5 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 receiving stream.

SPECIAL CONDITION 4. This facility is not allowed any mixing with the receiving stream in order to meet applicable water quality thermal limitations. Therefore, discharge of wastewater from this facility must meet the following thermal limitations prior to discharge into the receiving stream.

- A. The discharge must not exceed the maximum limits in the following table during more than one percent of the hours in the 12 month period ending with any month. Moreover, at no time shall the water temperature of the discharge exceed the maximum limits in the following table by more than 1.7° C (3° F).

	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>
°F	60	60	60	90	90	90	90	90	90	90	90	60
°C	16	16	16	32	32	32	32	32	32	32	32	16

- B. In addition, the discharge shall not cause abnormal temperature changes that may adversely affect aquatic life unless caused by natural conditions.
- C. The discharge shall not cause the maximum temperature rise above natural temperatures to exceed 2.8° C (5° F).
- D. The monthly maximum value shall be reported on the DMR form.

SPECIAL CONDITION 5. The Permittee shall record the monitoring results on the 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 15<sup>th</sup> 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 use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 8. A condition of No Exposure shall be maintained at this facility in accordance with 40 CFR 122.26(g).

Special Conditions

SPECIAL CONDITION 9. In the event that the permittee must request a change in the use of water treatment additives, the permittee must request a change in this permit in accordance with Standard Conditions - - Attachment H.

SPECIAL CONDITION 10. There shall be no discharge of process wastewater pollutants to navigable waters.