

NPDES Permit No. IL0077674
Notice No. JAR:11111001.ajo

Public Notice Beginning Date: **December 22, 2011**

Public Notice Ending Date: **January 23, 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:

Mounds Production Company, LLC
700 Industrial Park Road
Mounds, IL 62964

Name and Address of Facility:

Mounds Production Company, LLC
700 Industrial Park Road
Mounds, IL 62964
(Pulaski 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 facility produces clay absorbents for consumers, industrial, automotive, agricultural, environmental and fluid purification industries (SIC 3295). Locally mined clay is processed in a coal fired drying facility. Wastewater is generated from operation of an air scrubber and trucked several times a day to an off-site treatment system located in Mound City, Illinois and results in an average discharge 0.0144 MGD of air scrubber blowdown from outfall 004. Wastewater is treated using temperature control and chemical oxidation.

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

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
004	Ohio River	37° 04' 33"	North	89° 10' 01"	West	General Use	Not Rated

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

The waterbody segment A-920-981 receiving the discharge from outfall 004 is on the draft 2010 Illinois Integrated Water Quality Report and Section 303(d) List. The receiving water has not been given an integrity rating nor been listed as biologically significant in the 2008 Illinois Department of Natural Resources publication *Integrating Multiple Taxa in a Biological Stream Rating System*. The impaired designated uses and pollutants causing impairment are tabulated below:

<u>Designated Uses</u>	<u>Pollutants Causing Impairment</u>
Fish Consumption	Dioxin (including 2,3,7,8-TCDD), Mercury, and Polychlorinated Biphenyls (PCB's)
Food Processing Water Supply	Phenols

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

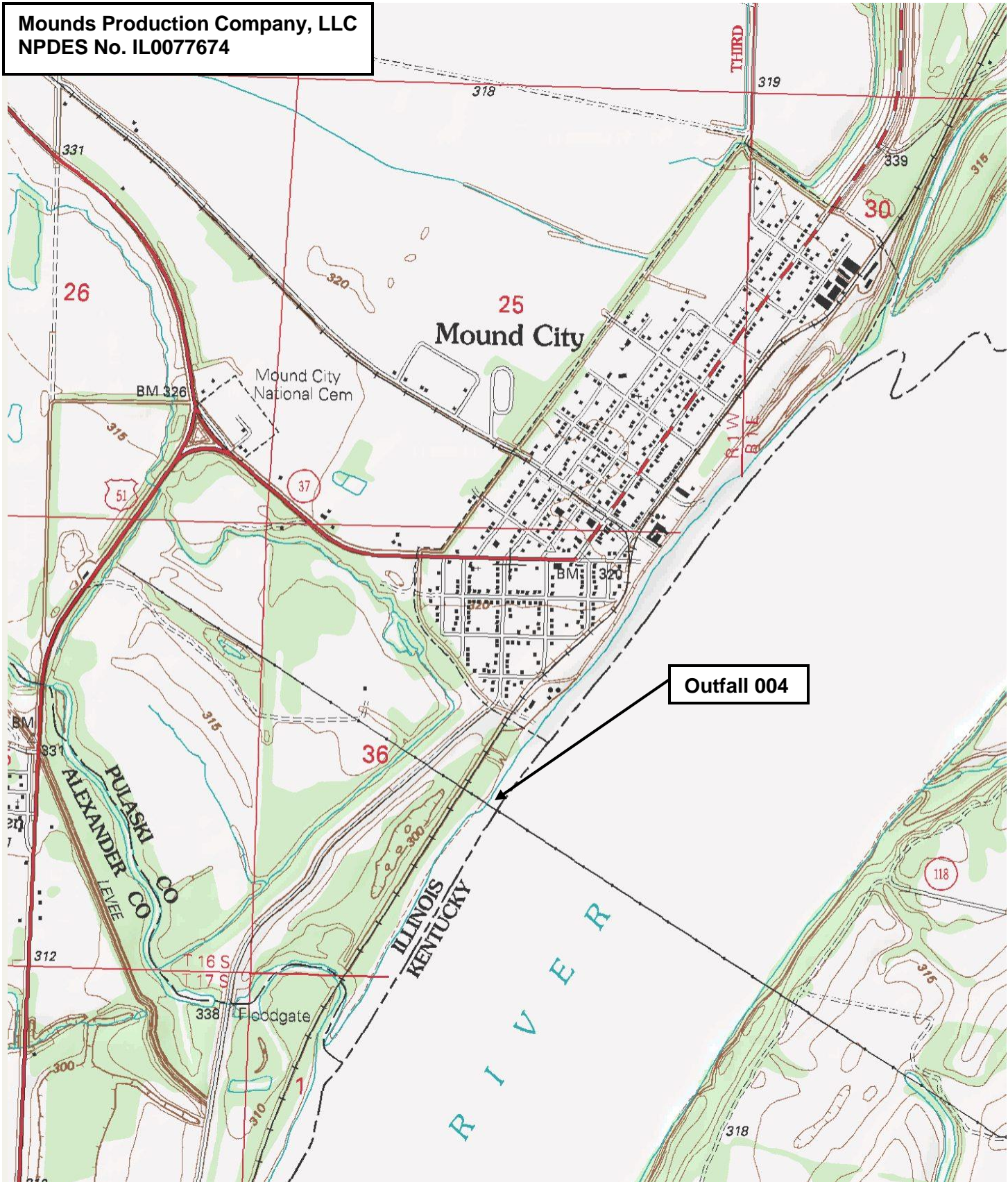
Outfall: 004 Air Scrubber Blowdown (DAF = 0.0144 MGD)

PARAMETER	LOAD LIMITS lbs/day		REGULATION	CONCENTRATION			REGULATION
	DAF (DMF)			LIMITS mg/l			
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)							
pH			Shall be in the range of 6.0 to 9.0 Standard Units				35 IAC 304.125
BOD ₅				30	60		35IAC304.120(a)
Total Suspended Solids				30	60		35IAC304.120(a)
				Month Avg.	Daily Max	Annual Avg.	
Mercury				1.3 µg/l	2.6 µg/l	0.012 µg/l	35 IAC 302.208
Dissolved Oxygen				Monthly Avg. not less than	Weekly Avg. not less than	Daily Min.	
Mar – Jul Aug - Feb				5.5	6.0 4.0	5.0 3.5	35 IAC 302.206

The following explain the conditions of the proposed permit:

The special conditions clarify: flow reporting, monitoring location, discharge monitoring reports, re-opening of the permit, mercury sampling, allowed mixing, and no exposure requirements.

Mounds Production Company, LLC
NPDES No. IL0077674



NPDES Permit No. IL0077674

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:

Mounds Production Company, LLC
700 Industrial Park Road
Mounds, IL 62964

Facility Name and Address:

Mounds Production Company, LLC
700 Industrial Park Road
Mounds, IL 62964
(Pulaski County)

Discharge Number and Name:

004 Air Scrubber Blowdown

Receiving Waters:

Ohio 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:JAR:11111001.ajo

NPDES Permit No. IL0077674

Effluent Limitations and Monitoring

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

Outfalls: 004 Air Scrubber Blowdown (DAF = 0.0144 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	ANNUAL AVERAGE		
Flow	See Special Condition 1					1/Month	
pH	See Special Condition 2					1/Month	Grab
BOD ₅			30	60		1/Month	Grab
Total Suspended Solids			30	60		1/Month	Grab
			Month Avg.	Daily Max	Annual Avg.		
Mercury	See Special Condition 7		1.3 µg/l	2.6 µg/l	0.012 µg/l	1/Month	Grab
Dissolved Oxygen			Monthly Avg. not less than	Weekly Avg. not less than	Daily Min.		
Mar – Jul Aug - Feb			5.5	6.0 4.0	5.0 3.5	1/Week	Grab

Dissolved Oxygen shall be reported on the DMR as minimum.

Mercury limits are listed in micrograms per liter.

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 6.0 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 receiving stream.

SPECIAL CONDITION 4. In accordance with 35 IAC 302.102 a 193.1 foot by 0.6 foot wide mixing zone is recognized for cadmium, chromium(total), copper, lead, nickel, silver, zinc, sulfate and temperature. A 19.31 foot by 0.06 foot wide zone of initial dilution is recognized for cadmium, copper, lead, silver and zinc. All parameters known to be present in this effluent at levels above water quality standards are listed above.

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 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. All wastewater sampling for mercury shall be in accordance with USEPA Method 1631E and the digestion procedure described in Section 11.1.1.2 of 1631E.

SPECIAL CONDITION 8. 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 9. A condition of No Exposure shall be maintained at this facility in accordance with 40 CFR 122.26(g).

SPECIAL CONDITION 10. 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.