

NPDES Permit No. IL0061425  
Notice No. JAR:11120101.ajo

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

Public Notice Ending Date: **March 7, 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:

Archer Daniels Midland East Complex  
4666 Faries Parkway - 180  
Decatur, Illinois 62526

Name and Address of Facility:

Archer Daniels Midland East Complex  
4666 Faries Parkway  
Decatur, Illinois 62526  
(Macon 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 corn syrup, ethanol, soybean oil, and animal feeds (SIC 2046). Facility operates stormwater retention basins to retain stormwater so it can be treated in the facilities on-site wastewater pretreatment system tributary to the City of Decatur Sewage Treatment Plant. Wastewater is generated from stormwater which bypasses the basins when the basins reach their design capacities. Well water is discharged at the request of the City of Decatur to recharge Lake Decatur when lake levels become low. An intermittent discharge of stormwater from outfalls 005, 006, and 009, and an average of 2.5 MGD of well water from outfall 008. Wastewater is not treated prior to discharge.

The following modification is proposed:

The name of the discharger and facility was changed from Archer Daniels Midland to Archer Daniels Midland East Complex.

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

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
005	Unnamed Tributary of Lake Decatur	39° 51' 60"	North	88° 53' 00"	West	General Use	Not Rated
006	Unnamed Tributary of Lake Decatur	39° 52' 15"	North	88° 53' 45"	West	General Use	Not Rated
008	Unnamed Tributary of Lake Decatur	39° 51' 60"	North	88° 53' 00"	West	General Use	Not Rated
009	Unnamed Tributary of Lake Decatur	39° 51' 53"	North	88° 53' 30"	West	General Use	Not Rated

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

The water body segment REA of Lake Decatur receiving the discharge from the unnamed tributaries into which outfalls 005, 006, 008 and 009 discharge 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:

Designated Uses	Pollutants Causing Impairment
Fish Consumption	Chlordane, Mercury, and Polychlorinated Biphenyls (PCB's)
Aquatic Life	Aquatic Algae, Total Phosphorus, and Total Suspended Solids

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

Outfalls: 005, 006 and 009 Stormwater (Intermittent Discharge)

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 6.5 to 9.0 Standard Units			35 IAC 302.204
BOD <sub>5</sub>				10	20	35IAC304.120(c)
Total Suspended Solids				12	24	35IAC304.120(c)
Oil and Grease				15	30	35 IAC 304.124
Iron				2	4	35 IAC 304.124
Ammonia Mar – May, Sep – Oct Jun – Aug Nov - Feb					2.2 2.7 2.7	35 IAC 302.212
Outfall: 008 Well Water (DAF = 2.5 MGD)						

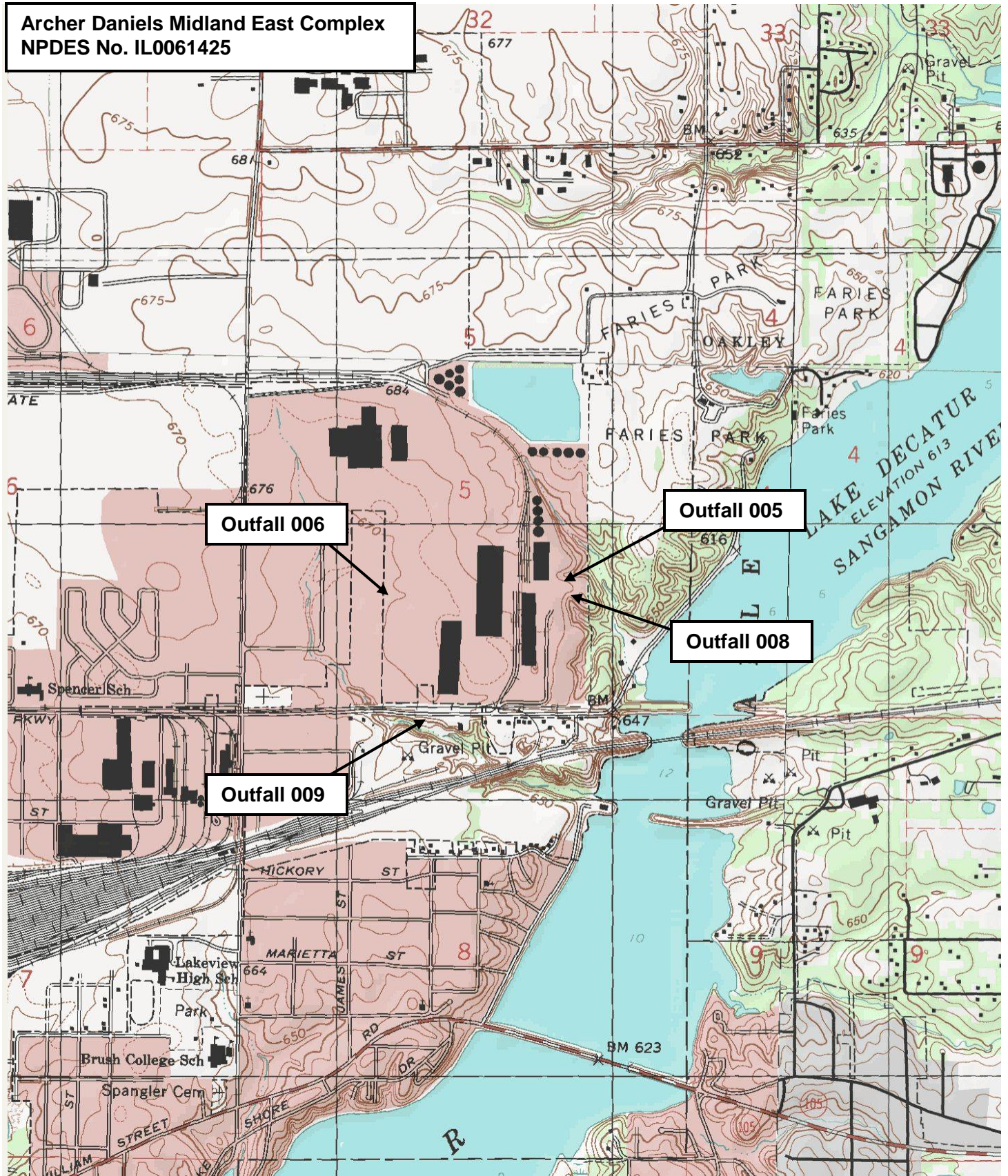
Flow (MGD)						
pH			Shall be in the range of 6.5 to 9.0 Standard Units			35 IAC 302.204
Total Suspended Solids				15	30	35 IAC 304.124
Iron				2	4	35IAC304.120(c)

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, and stormwater.



**Archer Daniels Midland East Complex**  
**NPDES No. IL0061425**



NPDES Permit No. IL0061425

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:

Archer Daniels Midland East Complex  
4666 Faries Parkway - 180  
Decatur, Illinois 62526

Facility Name and Address:

Archer Daniels Midland East Complex  
4666 Faries Parkway - 180  
Decatur, Illinois 62526  
(Macon County)

Discharge Number and Name:

005 Stormwater  
006 Stormwater  
008 Well Water  
009 Stormwater

Receiving Waters:

Unnamed tributary to Lake Decatur  
Unnamed tributary to Lake Decatur  
Unnamed tributary to Lake Decatur  
Unnamed tributary to Lake Decatur

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. IL0061425

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: 005, 006, and 009 Stormwater (Intermittent Discharge)

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	See Special Condition 1				Daily When Discharging	
pH	See Special Condition 2				Daily When Discharging	Grab*
BOD <sub>5</sub>			10	20	Daily When Discharging	Flow Weighted Composite
Total Suspended Solids			12	24	Daily When Discharging	Flow Weighted Composite
Oil and Grease			15	30	Daily When Discharging	Grab*
Iron			2	4	Daily When Discharging	Flow Weighted Composite
Ammonia Mar – May, Sep – Oct Jun – Aug Nov - Feb				2.2 2.7 2.7	Daily When Discharging	Flow Weighted Composite

\*Grab samples for pH and Oils and Grease shall be taken within the first 30 minutes (or as soon thereafter as practicable) of the discharge. For all other pollutants, only a flow weighted composite sample is required during the discharge period.



NPDES Permit No. IL0061425

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:

Outfall:008 Well Water (DAF = 2.5 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		
Flow	See Special Condition 1				Weekly When Discharging	
pH	See Special Condition 2				Weekly When Discharging	Grab
Total Suspended Solids			15	30	Weekly When Discharging	Grab
Iron			2	4	Weekly When Discharging	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. 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 5. 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 6. Stormwater Collection System Operating Plan

Upon start up of the stormwater control system the permittee is authorized to discharge bypass waters from outfall 005, 006, and 009 provided the following conditions are met:

- a. Permittee must provide optimum operation and maintenance of the stormwater collection basins to produce the highest quality of bypass effluent as reasonably possible.
- b. Discharge of pretreated wastewater containing stormwater from the retention basins to the Decatur Sanitary District shall be done in accordance with the local sewer ordinance.
- c. The stormwater retention basins and pretreatment system shall be operated in such a way as to allow for maximum storage capacity as soon after a storm event(s) as practicable in light of weather conditions and the remaining capacity of the equalization pond.
- d. Bypass of the stormwater retention basins shall only be allowed after the basins have reached their design capacity, provided however, that the permittee may commence bypassing the retention basins at a level as much as two feet below the design capacity if the permittee reasonably concludes that such bypassing will minimize the potential for an adverse environmental impact in light of weather conditions, the remaining capacity of the equalization pond and the potential for spills entering the system.

SPECIAL CONDITION 7. Precipitation which contacts the coal pile is not authorized for discharge under this permit.

SPECIAL CONDITION 8. For the purpose of this permit, the discharges from outfalls 005, 006, and 009 are limited to stormwater runoff. The discharges shall not include overflow waters from the basins.



Special Conditions

SPECIAL CONDITION 9. The Agency has determined that the effluent limitations in this permit constitute BAT/BCT for storm water which is treated in the existing treatment facilities for purposes of this permit reissuance, and no pollution prevention plan will be required for such storm water. 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 storm water discharge associated with industrial activity, and determine whether any facility modifications have occurred which result in previously-treated storm water 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.

