

NPDES Permit No. IL0049832
Notice No. LRL:13031401.daa

Public Notice Beginning Date: **August 16, 2013**

Public Notice Ending Date: **September 16, 2013**

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:

DeKalb County Packing Company
P.O. Box 806
DeKalb, IL 60115

Name and Address of Facility:

DeKalb County Packing Company
20036 Webster Road
DeKalb, IL 60115
(DeKalb 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 operation of a simple slaughterhouse which buys live hogs and sells fresh pork and pork by-products (SIC 5174). Plant operation results in an average discharge of 0.015 MGD of treated process wastewater from outfall 001.

Application is made for the existing discharge which is located in DeKalb 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>Integrity Rating</u>
001	Unnamed Tributary to Union Ditch #1	41° 55' 00"	North	88° 42' 30"	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 001 is not on the 2012 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 discharge from the facility shall be monitored and limited at all times as follows:

	<u>LOAD LIMITS lbs/day</u> <u>DAF (DMF)</u>				<u>CONCENTRATION</u> <u>LIMITS mg/l</u>			
PARAMETER	30 DAY AVE.	DAILY MAX.	WEEKLY AVE.	REGULATION	30 DAY AVE.	DAILY MAX.	WEEKLY AVE.	REGULATION
<u>Outfall 001:</u>								
Flow (MGD)								
pH					6 – 9 s.u.			35 IAC 304.125
Fecal Coliform						400/100 ml		35 IAC 304.121
Total Residual Chlorine						0.05		40 CFR 125.3 and 35 IAC 302.208
Total Suspended Solids	3.1	11		35 IAC 304.120	37	74		35 IAC 304.120
BOD ₅	2.5	9		35 IAC 304.120	30	60		35 IAC 304.120
Dissolved Oxygen					Shall not be less than 6 mg/l			35 IAC 302.206
Oil and Grease	1.3	4.5		35 IAC 304.120	15	30		35 IAC 304.120
Ammonia (as N)				35 IAC 302.208				35 IAC 302.208
March - May	0.13	0.71			1.5	4.7	3.8	
June - August	0.13	0.75			1.5	5	3.8	
September - October	0.13	0.71			1.5	4.7	3.8	
November - February	0.28	0.86			3.4	5.7	--	
Hogs Killed per Day					Monitor Only			
Live Weight of Hogs					Monitor Only			

Load Limit Calculations:

- A. Load limit calculations for the following pollutant parameters were based on a design average flow of 0.01 MGD and a design maximum flow of 0.018 MGD and using the formula of average or maximum flow (MGD) X concentration limit (mg/l) X 8.34 = the average or maximum load limit (lbs/day): BOD₅, Total Suspended Solids, Oil and Grease, and Ammonia (as N).
- B. Production based load limits were calculated by multiplying the average production by the effluent limit contained in 40 CFR 432. Production figures utilized in these calculations for the following subcategories are as follows:

<u>Subcategory</u>	<u>Production Rate</u>
Subpart A – Simple Slaughterhouse	38,080 average live weight killed (LWK)

The following sample calculation shows the methodology utilized to determine production based load limitations:

BOD₅ 30 Day Average = (0.12 lbs/1,000 lbs LWK) (38,080 lbs. LWK/day = 6.1 lbs/day

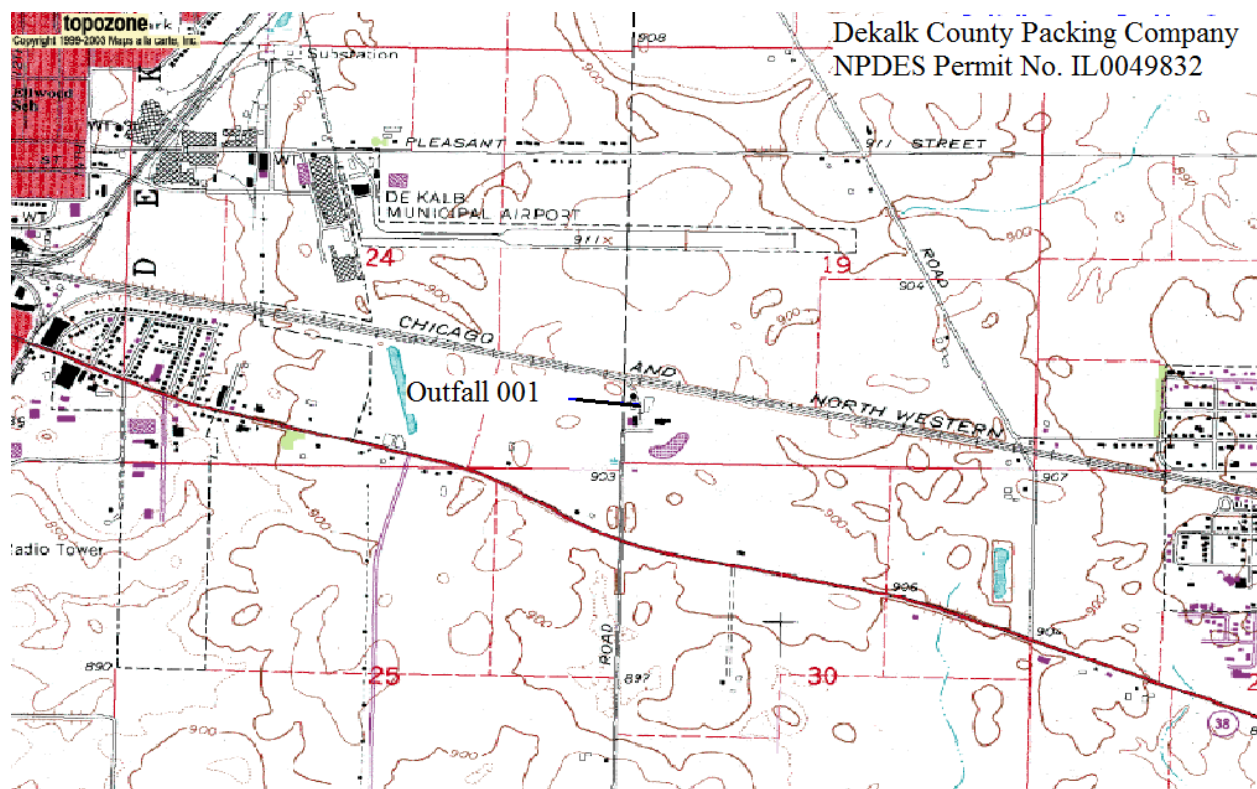
BOD₅ 30 Daily Max = (0.24 lbs/1,000 lbs LWK) (38,080 lbs. LWK/day = 12 lbs/day

The load limits appearing in the permit will be the more stringent of the State and Federal Guidelines.

The following explain the conditions of the proposed permit:

The Special Conditions clarify flow, pH, monitoring location, discharge monitoring report submission, fecal coliform, and total residual chlorine.

The facility was granted a lagoon exemption pursuant to 35 IAC 304.120. Stormwater discharges from the facility are not regulated in this permit because the facility has certified that a condition of no exposure exists at the facility and is therefore obligated to comply with the terms and conditions of 40 CFR 122.26(g).



NPDES Permit No. IL0049832

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:

DeKalb County Packing Company
P.O. Box 806
DeKalb, IL 60115

Facility Name and Address:

DeKalb County Packing Company
20036 Webster Road
DeKalb, IL 60115
(DeKalb County)

Discharge Number and Name:

001 Treated Process Water

Receiving Waters:

Unnamed Tributary to Union Ditch #1

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:13031301.daa

NPDES Permit No. IL0049832

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:

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l			SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	WEEKLY AVERAGE	30 DAY AVERAGE	DAILY MAXIMUM	WEEKLY AVERAGE		
<u>Outfall 001</u> – Treated Process Water (DAF = 0.01 MGD) The discharge consists of: 1. Slaughter Operations 2. Cleanup Activities								
Flow (MGD)	See Special Condition 1.						Daily	Measure
pH	See Special Condition 2.						2/Month	Grab
Fecal Coliform	See Special Condition 3.				400/100 ml		2/Month	Grab
Total Residual Chlorine	See Special Condition 4.				0.05		2/Month	Grab
Total Suspended Solids	3.1	11		37	74		2/Month	Composite
BOD ₅	2.5	9		30	60		2/Month	Composite
Dissolved Oxygen				Shall not be less than 6 mg/l			2/Month	Grab
Oil and Grease*	1.3	4.5		15	30		2/Month	Composite
Ammonia (as N)							2/Month	Grab
March - May	0.13	0.71		1.5	4.7	3.8		
June - August	0.13	0.75		1.5	5	3.8		
September - October	0.13	0.71		1.5	4.7	3.8		
November - February	0.28	0.86		3.4	5.7	--		
Hogs Killed per Day				Monitor Only			Daily	
Live Weight of Hogs				Monitor Only			Daily	
* - See Special Condition 5.								

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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 Discharge Monitoring Report. The monthly average shall consist of the summation of the daily flows divided by the number of days the facility discharged during that month. Stormwater shall not be included in the monthly average or daily maximum flow value.

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 daily maximum fecal coliform count shall not exceed 400 per 100 ml.

SPECIAL CONDITION 4. All samples for total residual chlorine 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. 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 an 8-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 are then reported for oil, fats, and grease.

SPECIAL CONDITION 6. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to mixing with stormwater and entry into the receiving stream.

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

SPECIAL CONDITION 10. The facility has certified that a condition of no exposure exists at the facility and is therefore obligated to comply with the terms and conditions of 40 CFR 122.26(g).

SPECIAL CONDITION 11. 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.

