

NPDES Permit No. IL0078531
Notice No. MEL:07092101.dlk

Public Notice Beginning Date: **September 21, 2011**

Public Notice Ending Date: **October 21, 2011**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft New 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:

Norfolk Southern Railway Co.
110 Franklin Rd., S.E., Box 13
Roanoke, VA 24042

Name and Address of Facility:

Norfolk Southern Railway Co., - Kankakee Yard 21
1709 W. Route 17
Kankakee, IL 60901
(Kankakee 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 Mark E. Liska at 217/782-0610.

The applicant is engaged in the operation of a railyard, including railcar maintenance and switching as well as train building. (SIC 4011). Waste water is generated from the discharge of treated sanitary wastewater from their building headquarters. Plant operation results in an average discharge of 0.0007 MGD of treated sanitary wastewater from outfall 001.

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

Outfall	Receiving Stream	Latitude	Longitude	Stream Classification	Biological Stream Characterization
001	Unnamed tributary to Kankakee River	41_ 7' 16" North	87_ 54' 32" 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 303 (d) list of impaired waters.

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

Outfall: 001

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	Shall be in the range of 6.0 - 9.0					35 IAC 304.125
Fecal Coliform					400 per 100	35 IAC 304.121
Total Suspended Solids				30	60	35 IAC 304.120(a)
BOD ₅				30	60	35 IAC 304.120(a)
Ammonia			Spring/Fall	1.8	8.1	35 IAC 302.212
			Summer	1.1	6.6	35 IAC 355
			Winter	4.0	9.1	
Total Residual Chlorine					0.05	40 CFR 125.3

The following explain the conditions of the proposed permit:

Special Conditions will require monthly DMR submission, explain total residual chlorine analysis methods, and outline Total Fecal Coliform standards.

**Antidegradation Assessment for Norfolk Southern Railway Co. – Kankakee
NPDES Permit No. IL0078531 Kankakee County**

The subject facility has applied for an NPDES permit for a new treatment plant with a DAF of 0.0007 MGD. The plant will treat sanitary wastewater from its Kankakee Yard transportation facility. An unnamed tributary of the Kankakee River will receive the discharge.

Identification and Characterization of the Affected Water Body.

The unnamed tributary (no segment code) has a 7Q10 flow of zero cfs and is a General Use water. The stream is not listed on the 2006 Illinois 303(d) List. The stream is not rated under the Agency's Biological Stream Characterization (BSC) system. The stream is not listed as a biologically significant stream in the 1992 Illinois Natural History Survey Publication *Biologically Significant Illinois Streams*. The IDNR WIRT system lists no threatened or endangered species as inhabiting the receiving stream.

Identification of Proposed Pollutant Load Increases or Potential Impacts on Uses.

The treated domestic waste that characterizes this proposed effluent would be similar to other treated effluents of purely domestic origin. Ammonia limits in the permit will be set at water quality standards; however, ammonia loading to the receiving stream will increase over existing background levels. Biochemical oxygen demand (BOD) permit limits will be set at the appropriate effluent standards present in 35 IAC 304.120. The stream will nonetheless experience an increase in loading due to the new effluent discharge.

Phosphorus loading will increase by a small amount. The plant will not be designed to remove nutrients because plants this small are not covered by the phosphorus effluent standard. The Illinois Nutrient Standards Workgroup has been convened to develop nutrient standards and will strive to keep NPDES permitted dischargers aware of its findings, allowing them to anticipate future nutrient permit limits. A future NPDES permit for this facility may be subject to limits based on these yet to be developed standards.

Fate and Effect of Parameters Proposed for Increased Loading.

The BOD and ammonia discharged by this facility will decay into simpler and harmless byproducts by naturally occurring organisms in the receiving stream. Some of the nitrogen originating in the ammonia will remain in the stream in the form of nitrates or organic nitrogen. Ammonia and dissolved oxygen standards will not be exceeded by this discharge. Phosphorus will remain in the water column until removed by aquatic or riparian plants.

Purpose and Anticipated Benefits of the Proposed Activity.

Constructing a domestic wastewater treatment plant allows employee bathrooms to be installed at this site.

Assessments of Alternatives for Less Increase in Loading or Minimal Environmental Degradation.

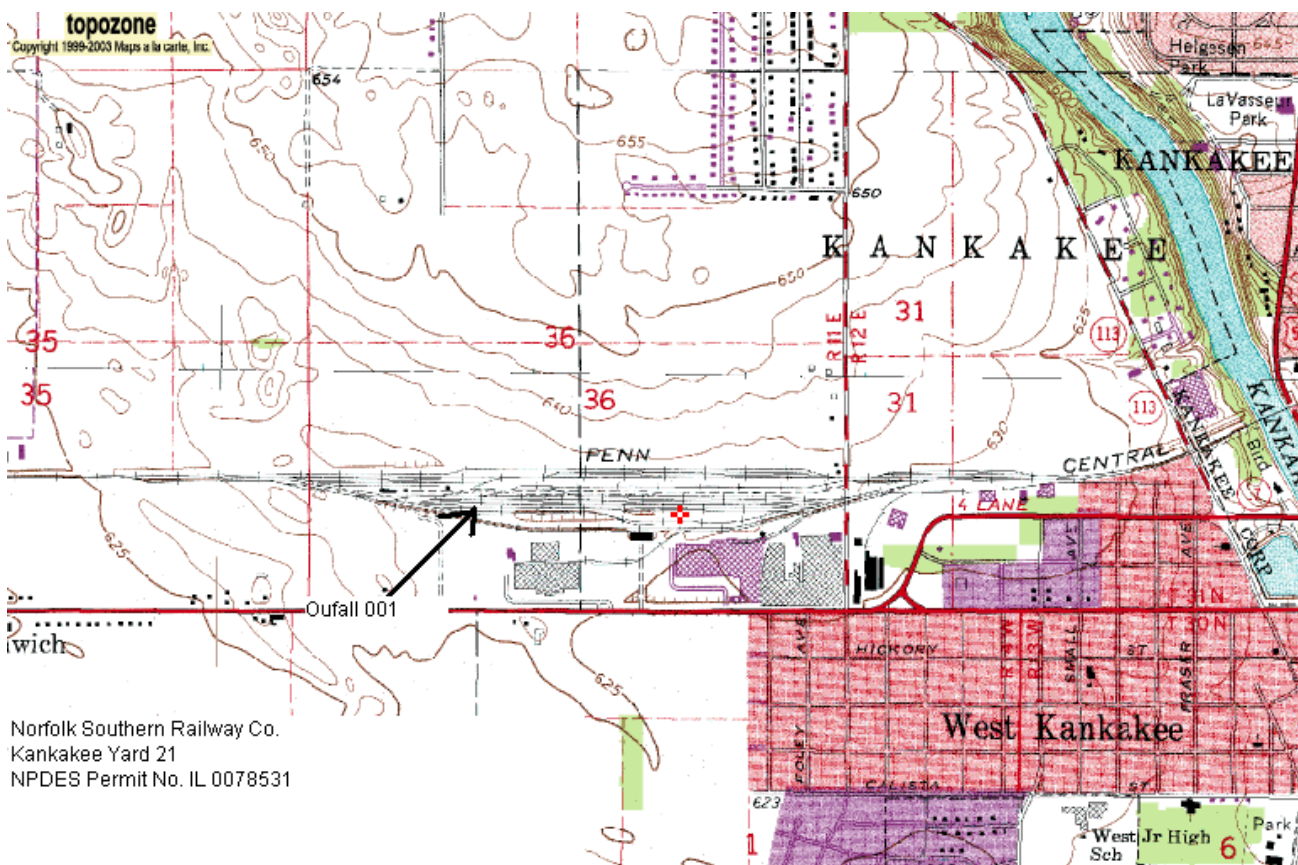
The plans for construction of a nitrifying treatment plant are consistent with appropriate technology for this size and type of project. Additionally, the new plant will employ disinfection via chlorination/dechlorination. Treatment plant specifications have been selected to avoid or minimize environmental impacts. They also represent an economically reasonable design taking into consideration both initial capital costs and ongoing maintenance expenses. Viable alternatives to the selected treatment process do not exist for this project, primarily because of its small size.

Summary Comments of the Illinois Department of Natural Resources, Regional Planning Commissions, Zoning Boards or Other Entities

The Illinois Department of Natural Resources was consulted via the Eco-CAT system on August 28, 2007. Several large river species were identified, but these are almost certainly species that inhabit the nearby Kankakee River. IDNR will inform the Agency within 30 days if it intends to pursue a continuation of consultation. Comments of this nature will be noted during the 30 day public notice period.

Agency Conclusion.

This assessment was conducted pursuant to the Illinois Pollution Control Board regulation for Antidegradation found at 35 Ill. Adm. Code 302.105 (antidegradation standard). We find that the proposed activity will result in the attainment of water quality standards. All existing uses will be fully protected. All technically and economically reasonable measures to avoid or minimize the extent of the proposed increase in pollutant loading have been incorporated into the proposed activity. This activity will benefit the community at large by providing adequate sewage treatment for the employees of the company. The proposed activity is therefore compliant with the Antidegradation standard.



NPDES Permit No. IL0078531

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

New (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

Norfolk Southern Railway Co.
110 Franklin Rd., S.E., Box 13
Roanoke, VA 24042

Facility Name and Address:

Norfolk Southern Railway Co., - Kankakee Yard 21
1709 W. Route 17
Kankakee, IL 60901
(Kankakee County)

Discharge Number and Name:

001 - Treated Sanitary Wastewater

Receiving Waters:

Unnamed tributary to Kankakee 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:

Outfall(s): 001 - Treated Sanitary Wastewater (Discharge = 0.0007 MGD)

PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow	See Special Condition 1				Measure when Monitoring	
pH	See Special Condition 2				Monthly	Grab
Fecal Coliform	See Special Condition 3				Monthly	Grab
Total Suspended Solids			30	60	Monthly	Grab
BOD ₅			30	60	Monthly	Grab
Ammonia		Spring/Fall	1.8	8.1	Monthly	Grab
		Summer	1.1	6.6		
		Winter	4.0	9.1		
Total Residual Chlorine*				0.05	Monthly	Grab

*See also Special Condition 8.

Special Conditions

SPECIAL CONDITION 1. Flow shall be reported as a daily maximum and a monthly average in million gallons per day on the DMR form.

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

SPECIAL CONDITION 8. 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.