

NPDES Permit No. IL0080081
Notice No. LRL:15032601.docx

Public Notice Beginning Date: **April 8, 2015**

Public Notice Ending Date: **May 8, 2015**

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:

BNSF Galena
80 44th Avenue NE
Minneapolis, MN 55421

Name and Address of Facility:

BNSF Galena
Illinois Derailment Site
BNSF Railway Mile Post 171.6
Galena, Illinois 61036
(Jo Daviess 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 operating a groundwater remediation system for a railroad derailment (SIC 9511). The facility has a treatment system consisting of settling/frac tank, oil/water separator, bag/cartridge filter, activated carbon units, and an optional air stripper with a design average flow of 300 gpm. The facility will operate the treatment system in batches consistent with groundwater dewatering activities. Plant operation results in an intermittent discharge of treated groundwater dewatering and decontaminated water from outfall 001 at an anticipated maximum flow rate of 0.288 MGD.

Application is made for a new discharge which is located in Jo Daviess 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	Galena River	42° 22' 28"	North	90° 26' 37"	West	General Use	Not Rated

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

The stream segment, MQ-01, receiving the discharge from outfall 001 is on the draft 2014 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 following parameters have been identified as the pollutants causing impairment:

<u>Potential Cause:</u>	<u>Designated Use:</u>
Alteration in Stream-side Vegetative Cover (non-pollutant), Sedimentation/Siltation, Total Suspended Solids, Zinc, PCBs, Fecal Coliform, and Unnatural Bottom Deposits	Fish Consumption, Aquatic Life, Primary Contact, and Aesthetic Quality

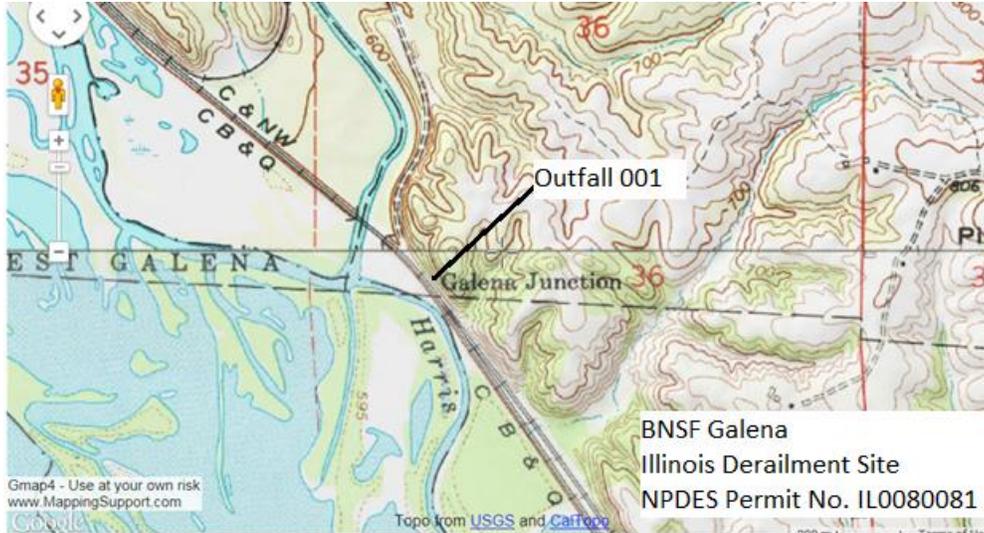
The discharge from the facility shall be monitored and limited at all times as follows:

PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>		REGULATION	CONCENTRATION <u>LIMITS mg/l</u>		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
<u>Outfall 001:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Total Suspended Solids				15	30	35 IAC 304.124
Oil & Grease				15	30	35 IAC 304.124
Benzene					0.05	40 CFR 125.3
Ethylbenzene				0.014	0.15	35 IAC 302.208
Toluene				0.6	2	35 IAC 302.208
Xylenes (Total)				0.36	0.92	35 IAC 302.208
BETX (Total)					0.75	40 CFR 125.3
Priority Pollutant PNA's (Total)					0.1	40 CFR 125.3

The following explain the conditions of the proposed permit:

The special conditions clarify flow, pH, monitoring location, and discharge monitoring report submission.

Per 35 Il. Adm. Code 302.105(d)1, short term, temporary activities are not subject to completion of an antidegradation assessment. As the proposed discharges under the Initial Remedial Action Plan are considered short-term and temporary, an antidegradation assessment was not required.



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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:

BNSF Galena
80 44th Avenue NE
Minneapolis, MN 55421

Facility Name and Address:

BNSF Galena
Illinois Derailment Site
BNSF Railway Mile Post 171.6
Galena, Illinois 61036
(Jo Daviess County)

Discharge Number and Name:

001 Treated Groundwater Dewatering and Decontaminated Water

Receiving Waters:

Galena 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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Special Conditions

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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 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	30 DAY AVERAGE	DAILY MAXIMUM		
<u>Outfall 001 – Treated Groundwater Dewatering and Decontaminated Water</u> (DAF = 0.288 MGD)						
Flow (MGD)	See Special Condition 1.				1/Week*	Measure
pH	See Special Condition 2.				1/Week*	Grab
Total Suspended Solids			15	30	1/Week*	Grab
Oil & Grease			15	30	1/Week*	Grab
Benzene				0.05	1/Week*	Grab
Ethylbenzene			0.014	0.15	1/Week*	Grab
Toluene			0.6	2	1/Week*	Grab
Xylenes (Total)			0.36	0.92	1/Week*	Grab
BETX (Total)				0.75	1/Week*	Calculation
Priority Pollutant PNA's (Total)				0.1	1/Week*	Grab
* - Monitoring frequency shall be daily for the first two weeks of operation and twice per week during the following two weeks. After the first month of operation, sampling shall be on a weekly basis for the duration of the operation. If the operation of the treatment system ceases for a period of one week or more, the sampling requirement shall restart as indicated above.						

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.

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

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. 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 (NetDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/net-dmr/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 NetDMRs 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 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.

SPECIAL CONDITION 8. For the purpose of this permit, Priority Pollutant PNA's (Total) is defined as the arithmetic sum of the following polynuclear aromatic compounds: Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Chrysene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene and Pyrene.