



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, ACTING DIRECTOR

217/782-0610

February 15, 2023

Municipal Clerk
475 Main Street
West Chicago, Illinois 60185-0488

Re: West Chicago Environmental Response Trust
NPDES Permit No. IL0063495
BOW ID: W0430900032
Public Notice of Permit

Municipal Clerk:

In accordance with the requirements of the Illinois Pollution Control Board regulations of 35 Ill. Adm. Code 309.109(a)(2)(A), the attached National Pollutant Discharge Elimination System Public Notice is sent to a municipality in the vicinity of the applicant. The Agency understands that the applicant may not be associated with the municipality to which it is sent.

Please post the attached National Pollutant Discharge Elimination System Public Notice for a period of 30 days. In addition, please complete and return the enclosed postcard indicating the date of posting. Should you choose not to post the attached notice, please indicate so on the postcard and return.

Thank you for your cooperation.

Sincerely,

Darin E. LeCrone, P.E.
Manager, Permit Section
Division of Water Pollution Control

DEL:KPM:22081901.docx

Attachments: Public Notice/Fact Sheet, Post Card

cc: Records Unit

NPDES Permit No. IL0063495
Notice No. KPM:22081901.docx

Public Notice Beginning Date: **February 15, 2023**

Public Notice Ending Date: **March 17, 2023**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft Modified 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:

West Chicago Environmental Response Trust
245 W. Roosevelt Road
Building 15, Suite 106
West Chicago, IL 60185

Name and Address of Facility:

West Chicago Environmental Response Trust
800 Weyrauch Street
West Chicago, Illinois 60185
(DuPage 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 Keegan MacDonna at 217/782-0610.

The applicant is engaged in the radiological remediation of the former Kerr-McGee Rare Earths Facility (SIC 4959). Plant operation results in an average discharge of 0.036 MGD of treated excavation pit water, equipment wash down water, and stormwater from outfall 001.

The facility is located in or near an area of Environmental Justice concern pursuant to Illinois EPA's Environmental Justice Public Participation Policy. More information concerning Environmental Justice may be found at <http://www.epa.illinois.gov/topics/environmental-justice/index> or by contacting Chris Pressnall, Illinois EPA's Environmental Justice Officer, at 217/524-1284 or via email at chris.pressnall@illinois.gov.

The following modification is proposed:

The addition of interim concentration and load limits to allow the facility to increase the average discharge rate of Outfall 001 to 0.0864 MGD for a period of approximately 8 months to facilitate initial drawdown of an area on the site that requires construction.

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

Outfall	Receiving Stream	Latitude	Longitude	Stream Classification	Integrity Rating
001	West Branch of the DuPage River	41° 51' 40" North	88° 11' 33" West	General Use	Not Rated

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

The stream segment GBK-05 receiving the discharge from outfall 001 is on the 2020/2022 303(d) Illinois Integrated Water Quality Report and Section 303(d) List 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:

Designated Use

Aquatic Life

Primary Contact Use

Potential Cause

Alterations Vegetative Cover, Dissolved Oxygen, Phosphorus (Total), Sedimentation/Siltation, TSS, and Other Flow Regime Alterations

Fecal Coliform

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

PARAMETER	LOAD LIMITS lbs/day DAF(DMF)		REGULATION	CONCENTRATION LIMITS mg/l				REGULATION
	30 DAY AVE.	DAILY MAX.		30 DAY AVE.	WEEKLY AVE.	DAILY MAX.	ANNUAL AVE.	
<u>Outfall 001</u> (Interim Wastestreams and Limitations):								
Flow (MGD)								35 IAC 309.146
pH					6 – 9 s.u.			35 IAC 304.125
Total Suspended Solids	10.8	26.4	35 IAC 304.124	15		30		35 IAC 304.124
Oil and Grease	10.8	26.4	35 IAC 304.124	15		30		35 IAC 304.124
Ammonia Nitrogen			35 IAC 302.212					35 IAC 302.212
March - May/Sept - Oct.	1.9	11.0		2.6	7.2	12.8		35 IAC 302.212 & 40 CFR 122.44(l)
June - August	1.5	12.0		1.9	4.8	13.0		
Nov. - Feb.	2.9	4.3		4.0	-	5.0		
Iron (Total)	1.4	3.4	35 IAC 304.124	2		4		35 IAC 304.124
Mercury			35 IAC 302.208				12 ng/l	35 IAC 302.208
Chloride		430	35 IAC 302.208			500		35 IAC 302.208
Copper	0.019	0.036	35 IAC 302.208	0.026		0.041		40 CFR 122.44(l)
Lead	0.046	0.26	35 IAC 302.208	0.063		0.301		40 CFR 122.44(l)
Manganese	0.72	1.72	35 IAC 304.124	1		2		35 IAC 304.124
Nickel	0.0072	0.15	35 IAC 302.208	0.011		0.177		40 CFR 122.44(l)
Silver		0.0048	35 IAC 302.208			0.005		35 IAC 302.208
Fluoride					Monitor Only			35 IAC 309.146
Sulfate					Monitor Only			35 IAC 309.146

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Public Noticed

PARAMETER	LOAD LIMITS lbs/day		REGULATION	30 DAY AVE.	CONCENTRATION LIMITS mg/l			REGULATION
	30 DAY AVE.	DAILY MAX.			WEEKLY AVE.	DAILY MAX.	ANNUAL AVE.	
<u>Outfall 001 (Final Wastestreams and Limitations):</u>								
Flow (MGD)								35 IAC 309.146
pH						6 – 9 s.u.		35 IAC 304.125
Total Suspended Solids	4.5	11	35 IAC 304.124	15		30		35 IAC 304.124
Oil and Grease	4.5	11	35 IAC 304.124	15		30		35 IAC 304.124
Ammonia Nitrogen			35 IAC 302.212					35 IAC 302.212
March - May/Sept - Oct.	0.78	4.6		2.6	7.2	12.8		& 40 CFR 122.44(l)
June - August	0.57	4.7		1.9	4.8	13.0		
Nov. - Feb.	1.2	1.8		4.0	-	5.0		
Iron (Total)	0.6	1.4	35 IAC 304.124	2		4		35 IAC 304.124
Mercury			35 IAC 302.208				12 ng/l	35 IAC 302.208
Chloride		179	35 IAC 302.208			500		35 IAC 302.208
Copper	0.008	0.015	40 CFR 122.44(l)	0.026		0.041		40 CFR 122.44(l)
Lead	0.019	0.108	40 CFR 122.44(l)	0.063		0.301		40 CFR 122.44(l)
Manganese	0.3	0.7	35 IAC 304.124	1		2		35 IAC 304.124
Nickel	0.003	0.064	40 CFR 122.44(l)	0.011		0.177		40 CFR 122.44(l)
Silver		0.002	35 IAC 302.208			0.005		35 IAC 302.208
Fluoride						Monitor Only		35 IAC 309.146
Sulfate						Monitor Only		35 IAC 309.146

Load Limit Calculations:

- A. Load limit calculations for the following pollutant parameters were based on a design average flow of 0.036 MGD and a design maximum flow of 0.043 MGD 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): Oil & Grease, Total Suspended Solids, Ammonia Nitrogen, Iron (Total), Chloride, Copper, Lead, Manganese, Nickel, and Silver.
- B. Load Limits for the interim wastestreams were calculated by multiplying the final load limits by a factor of 2.4 to be proportional to the increase in flow, which is also a factor of 2.4.

The interim wastestreams and limitations on page 2 of the Permit reflect the temporary increased flow at the facility. The final wastestreams and limitations on page 3 of the Permit reflect the normal flow volume at the site, and they are identical to the wastestreams and limitations in the previously issued permit (effective June 1, 2019). Since the increase in flow at Outfall 001 is short-term and temporary, no antidegradation assessment is required.

The following explain the conditions of the proposed permit:

The Special Conditions clarify the flow, pH, monitoring location, discharge monitoring report submission, stormwater, and mercury.

