

NPDES Permit No. IL0063495
Notice No. LRL:13022801.daa

Public Notice Beginning Date: **July 3, 2013**

Public Notice Ending Date: **August 5, 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:

West Chicago Environmental Response Trust
800 Weyrauch Street
West Chicago, Illinois 60185

Name and Address of Facility:

Tronox LLC
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 Leslie Lowry 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.

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:

<u>Outfall</u>	<u>Receiving Stream</u>	<u>Latitude</u>		<u>Longitude</u>		<u>Stream Classification</u>	<u>Integrity Rating</u>
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-07 receiving the discharge from outfall 001 is 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 following parameters have been identified as the pollutants causing impairment:

<u>Potential Cause</u>	<u>Designated Use</u>
Alterations in Stream-side Vegetative Cover, Phosphorus (Total), Sedimentation/Siltation, Total Suspended Solids, and Other Flow Regime Alterations	Aquatic Life and Primary Contact

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

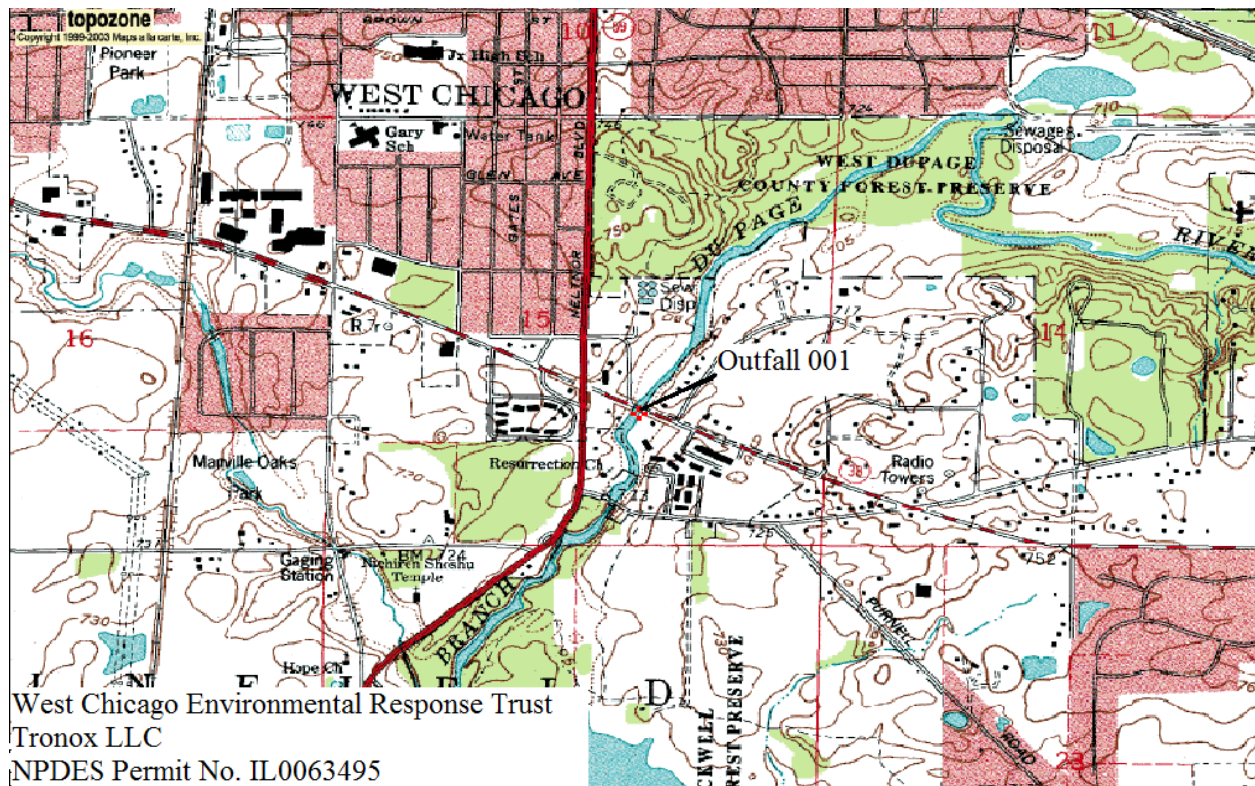
	<u>LOAD LIMITS lbs/day</u> <u>DAF (DMF)</u>				<u>CONCENTRATION</u> <u>LIMITS mg/l</u>				
PARAMETER	30 DAY AVE.	WEEKLY AVE.	DAILY MAX.	REGULATION	30 DAY AVE.	WEEKLY AVE.	DAILY MAX.	ANNUAL AVE.	REGULATION
<u>Outfall 001:</u>									
Flow (MGD)									
pH					6 – 9 s.u.				35 IAC 304.125
Total Suspended 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 March - May/Sept - Oct. June - August Nov. - Feb.	0.78 0.63 1.2		4.6 5 1.8	35 IAC 302.212	2.6 2.1 4	6.5 5.3 -	12.8 14 5		35 IAC 302.212
Iron (Total)	1.2		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	35 IAC 302.208	0.026		0.041		35 IAC 302.208
Lead	0.019		0.11	35 IAC 302.208	0.063		0.301		35 IAC 302.208
Manganese	0.3		0.7	35 IAC 304.124	1		2		35 IAC 304.124
Nickel	0.003		0.063	35 IAC 302.208	0.011		0.177		35 IAC 302.208
Silver			0.002	35 IAC 302.208			0.005		35 IAC 302.208
Fluoride					Monitor Only				
Sulfate					Monitor Only				

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.

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.



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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

Reissued (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

West Chicago Environmental Response Trust
800 Weyrauch Street
West Chicago, Illinois 60185

Facility Name and Address:

Tronox LLC
800 Weyrauch Street
West Chicago, Illinois 60185
(DuPage County)

Discharge Number and Name:

001 Wastewater Treatment Plant Effluent

Receiving Waters:

West Branch of the DuPage 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 AVE.	WEEKLY AVE.	DAILY MAX.	30 DAY AVE.	WEEKLY AVE.	DAILY MAX.	ANNUAL AVE.		
Outfall 001 – Wastewater Treatment Plant Effluent (DAF = 0.036 MGD) The discharge consists of: 1. Excavation pit water 2. Equipment wash water 3. Stormwater*									
Flow (MGD)	See Special Condition 1.							Continuous	Measure
pH	See Special Condition 2.							2/Month	Grab
Total Suspended Solids	4.5		11	15		30		2/Month	Grab
Oil and Grease	4.5		11	15		30		2/Month	Grab
Ammonia Nitrogen March - May/Sept - Oct. June - August Nov. - Feb.	0.78 0.63 1.2		4.6 5 1.8	2.6 2.1 4	6.5 5.3 -	12.8 14 5		2/Month	Grab
Iron (Total)	1.2		1.4	2		4		2/Month	Grab
Mercury**							12 ng/l	2/Month	Grab
Chloride			179			500		2/Month	Grab
Copper	0.008		0.015	0.026		0.041		2/Month	Grab
Silver	0.019		0.11	0.063		0.301		2/Month	Grab
Lead	0.3		0.7	1		2		2/Month	Grab
Manganese	0.003		0.063	0.011		0.177		2/Month	Grab
Nickel			0.002			0.005		2/Month	Grab
Fluoride				Monitor Only				2/Month	Grab
Sulfate				Monitor Only				2/Month	Grab
* - See Special Condition 8.									
** - See Special Condition 9.									

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

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 (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 45 days following the end of the reporting month, unless otherwise specified by the Agency.

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 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. Sampling for all parameters shall at a minimum, consist of a composite sample (either 8-hour and 24-hour) taken at the required frequency. In addition a monthly composite, prepared from a portion of each daily composite (collected for operational purposes), may be used to demonstrate compliance with monthly average limitations for Copper, Iron (total) and Manganese only. Portions of the daily or weekly composites, adequate to allow preparation of a second monthly composite, will be retained until all analysis is complete. All samples shall be preserved and analyzed in accordance with U.S. EPA approved methods and procedures as found in 40 CFR 136.

SPECIAL CONDITION 8. 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.

SPECIAL CONDITION 9. All samples for mercury must be analyzed by EPA Method 1631E using the digestion procedure described in Section 11.1.1.2 of 1631E, which dictates that samples must be heated at 50°C for 6 hours in a bromine chloride (BrCl) solution in closed vessels.

SPECIAL CONDITION 10. 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.