

NPDES Permit No. IL0028312

Notice No. JAR:22120701

Public Notice Beginning Date: **January 24, 2023**

Public Notice Ending Date: **February 23, 2023**

National Pollutant Discharge Elimination System (NPDES)

Permit Program

PUBLIC NOTICE/FACT SHEET

of

Draft Reissued NPDES Permit to Discharge into Waters of the United States

Public Notice/Fact Sheet Issued By:

Illinois EPA
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:

City of Dallas City
261 Oak Street
Dallas City, Illinois 62033

Name and Address of Facility:

City of Dallas City STP
Routes 9 and 96
Dallas City, Illinois 62330
(Hancock County)

The Illinois Environmental Protection Agency (IEPA) has made a tentative determination to issue a NPDES Permit to discharge into the waters of the United States 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. All comments on the draft Permit and requests for hearing must be received by the IEPA by U.S. Mail, carrier mail or hand delivered by the Public Notice Ending Date. 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 numbers 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 Jaime Rabins at 217/782-0610.

The following water quality and effluent standards and limitations were applied to the discharge:

Title 35: Environmental Protection, Subtitle C: Water Pollution, Chapter I: Pollution Control Board and the Clean Water Act were applied in determining the applicable standards, limitations and conditions contained in the draft Permit.

The applicant is engaged in treating domestic wastewater for the City of Dallas City.

The length of the Permit is approximately 5 years.

The main discharge number is 001. The seven day once in ten year low flow (7Q10) of the receiving stream, unnamed tributary of the Mississippi River is 0 cfs.

The design average flow (DAF) for the facility is 0.25 million gallons per day (MGD) and the design maximum flow (DMF) for the facility is 1.05 MGD. Wastewater treatment consists of a 2 cell aerated lagoon and rock filter.

This Reissued Permit does not increase the facility's DAF, DMF, concentration limits, and/or load limits.

This Permit recognizes and continues the year-round disinfection exemption approved by the IEPA on June 27, 1995 and included in past NPDES permit actions since that date. The disinfection exemption was revalidated on October 21, 2010. It is the IEPA's tentative decision that under Illinois Pollution Control Board regulations, the following reach of waterbody is not classified for primary contact use activities and is not subject to the fecal coliform water quality standard of 35 Ill. Adm. Code 302.209.

Pursuant to the waiver provisions authorized by 40 CFR § 123.24, this draft permit is within the class, type, and size for which the Regional

Administrator, Region V, has waived his right to review, object, or comment on this draft permit action.

This draft permit does not contain requirements for disinfection of the discharge from discharge numbers(s) 001. The unnamed tributary of the Mississippi River downstream of the effluent outfall to its confluence with the Mississippi River has been determined to be unsuited to support primary contact activities (swimming) due to physical, hydrologic or geographic configuration. Anyone knowing of primary contact activities occurring within this water segment is invited to submit comments to the IEPA. Comments should give the nature of the activities (i.e swimming, fishing, canoeing, etc.), the location and months of the year when these activities have been observed. The IEPA is also interested in obtaining information on the proximity of residential dwellings and the accessibility of the public to this water segment. Anyone with such information is asked to submit comments to the IEPA on this draft permit action. Instructions for submitting comments are contained earlier in this document.

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

<u>Discharge Number</u>	<u>Receiving Stream</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Stream Classification</u>	<u>Integrity Rating</u>
001	Unnamed tributary of the Mississippi River	40° 37' 43" North	91° 11' 44" West	General Use	Not Rated
003	Roadside Ditch to the Mississippi River	40° 38' 02" North	91° 10' 49" West	General Use	Not Rated
004	Mississippi River	40° 38' 08" North	91° 10' 28" West	General Use	Not Rated

To assist you further in identifying the location of the discharge(s) please see the map on page 4 of the Public Notice/Fact Sheet.

The stream segment receiving the discharge from outfall(s) 001 is not on the 303 (d) list of impaired waters since it has not been assessed.

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

Discharge Number(s) and Name(s): 001 STP Outfall

Load limits computed based on a design average flow (DAF) of 0.25 MGD (design maximum flow (DMF) of 1.05 MGD).

The effluent of the above discharge(s) shall be monitored and limited at all times as follows:

<u>Parameter</u>	<u>LOAD LIMITS lbs/day</u>			<u>CONCENTRATION LIMITS mg/L</u>			<u>Regulation</u>			
	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Daily Maximum</u>	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Daily Maximum</u>				
CBOD ₅ **	52 (219)	83 (350)		25	40		35 IAC 304.120 40 CFR 133.102			
Suspended Solids**	77 (324)	94 (394)		37	45		35 IAC 304.120 40 CFR 133.102			
pH	Shall be in the range of 6 to 9 Standard Units						35 IAC 304.125			
Fecal Coliform***	Monitor Only (May through October)						35 IAC 309.146			
Chlorine Residual							0.05 35 IAC 302.208			
Ammonia Nitrogen (as N)							Monitor Only 35 IAC 309.146			
Dissolved Oxygen										
March-July							Monthly Average not less than N/A	Weekly Average not less than 6.0	Daily Minimum 5.0	35 IAC 309.146
August-February							Monthly Average not less than 5.5	Weekly Average not less than 4.0	Daily Minimum 3.5	

*Load Limits are calculated by using the formula: 8.34 x (Design Average and/or Maximum Flow in MGD) x (Applicable Concentration in mg/L).

**BOD₅ and Suspended Solids (85% removal required); In accordance with 40 CFR 133, the 30-day average percent removal shall not be less than 85 percent.

This draft Permit also contains the following requirements as special conditions:

1. Reopening of this Permit to include different final effluent limitations.
2. Operation of the facility by or under the supervision of a certified operator.

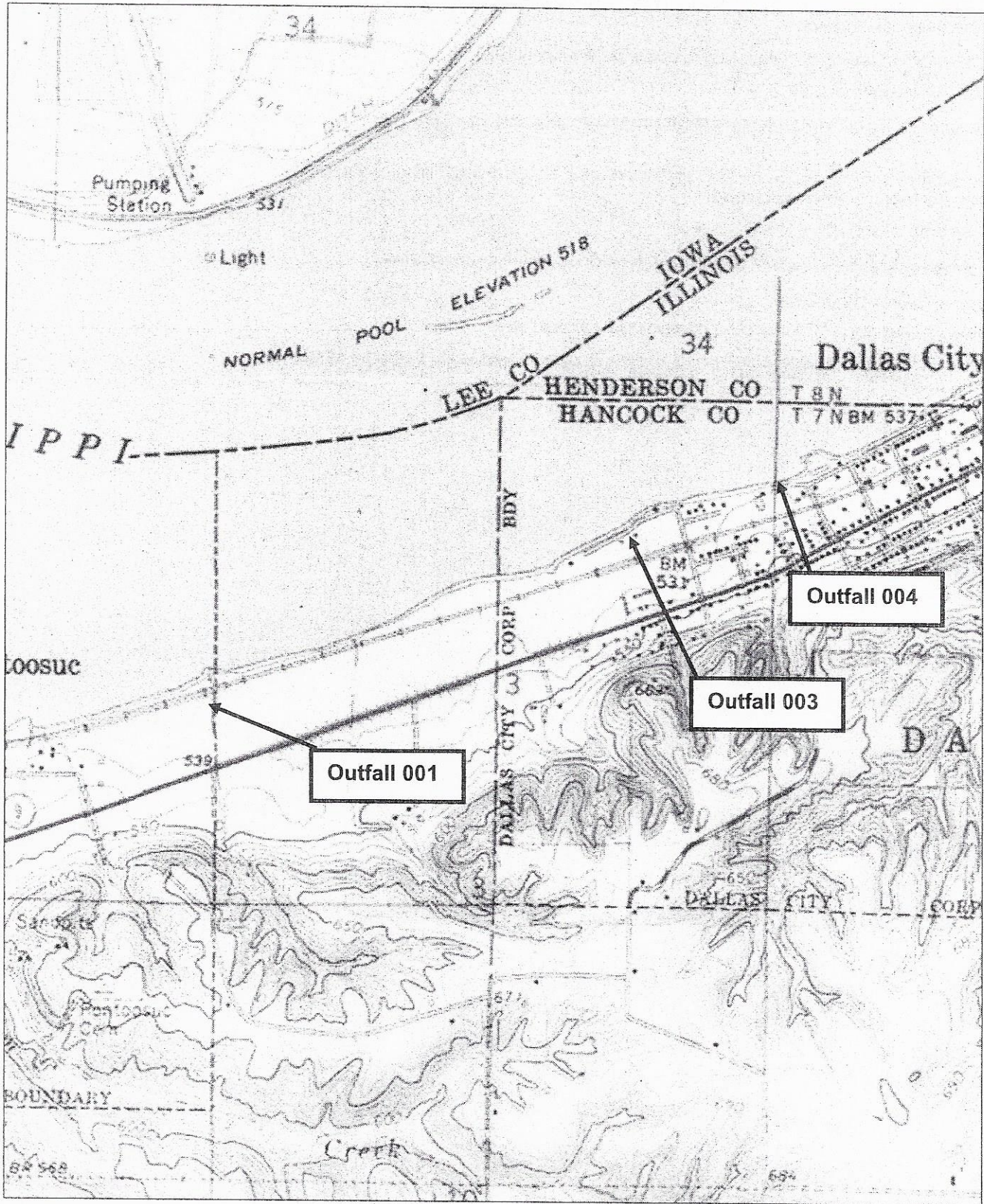
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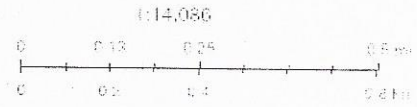
Public Notice/Fact Sheet -- Page 3 -- NPDES Permit No. IL0028312

3. Submission of the operational data in a specified form and at a required frequency at any time during the effective term of this Permit.
4. More frequent monitoring requirement without Public Notice in the event of operational, maintenance or other problems resulting in possible effluent deterioration.
5. Prohibition against causing or contributing to violations of water quality standards.
6. Effluent sampling point location.
7. Reopening of this Permit to include revised effluent limitations based on a Total Maximum Daily Load (TMDL) or other water quality study.
8. Recording the monitoring results on Discharge Monitoring Report Forms using one such form for each outfall each month and submitting the forms to IEPA each month.
9. Provisions of 40 CFR Section 122.41 (m) & (n).
10. A requirement to monitor and a limit of 0.05 mg/L for residual chlorine when it is used.
11. Submission of annual fiscal data.
12. Controlling the sources of infiltration and inflow into the sewer system.
13. Conditional authorization to discharge from high level emergency bypass(es) based on 40 CFR.
14. Capacity, Management, Operations and Maintenance (CMOM) requirements.

City of Dallas City STP



12/7/2022



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