

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 22-37

HANOVER PARK WATER RECLAMATION PLANT

FISCHER FARM MONITORING REPORT

FOR THIRD QUARTER 2022:

SPECIAL CONDITION 4

December 2022

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Edward W. Podczewski, P.E.
Director of Monitoring and Research

October 25, 2022

Ms. Catherine Siders
Illinois Environmental Protection Agency
Bureau of Water
DWPC Compliance Section #19
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9274

Dear Ms. Siders:

Subject: Hanover Park Water Reclamation Plant – Illinois Environmental Protection Agency Permit No. 2022-SC-66896, Special Condition 4 Monitoring Report for July, August, and September 2022 – Discharge Monitoring Report (DMR)

This Discharge Monitoring Report (DMR) is to report analyses of biosolids applied to the Hanover Park Water Reclamation Plant (WRP) Fischer Farm site for July, August, and September 2022, as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2022-SC-66896, Special Condition 4. We are currently unable to submit this report to the NetDMR system as directed in Special Condition 4, as this permit number is not yet available in the NetDMR system per communication with IEPA staff.

The analytical data for lagoon supernatant applied to Hanover Park WRP Fischer Farm fields during July 2022 are presented in the attached DMR.

Very truly yours,



Albert E. Cox, Ph.D.
Environmental Monitoring and Research Manager
Monitoring and Research Department

AC:lf

Attachment

cc: Mr. J. Patel, Manager, IEPA – Des Plaines
Mr. T. Bennett, IEPA
Mr. B. Fleming, IEPA
Mr. K. Middleton, USEPA, Region 5
Mr. J. Chavich
Mr. B. Kaunelis
Mr. A. Gronski
Dr. H. Zhang

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**HANOVER PARK WATER RECLAMATION PLANT
FISCHER FARM MONITORING REPORT
FOR THIRD QUARTER 2022:
SPECIAL CONDITION 4**

DISCHARGE MONITORING REPORT (DMR)

NAME Metropolitan Water Reclamation District
of Greater Chicago

2022-SC-66896 Special Condition 4

ADDRESS 100 East Erie Street
Chicago, Illinois 60611

PERMIT NUMBER

DISCHARGE NUMBER

FACILITY Hanover Park Water Reclamation Plant
Fischer Farm Site

LOCATION 1220 Sycamore Avenue
Hanover Park, Illinois 60133

MONITORING PERIOD						
FROM			TO			
YEAR	MO	DAY	YEAR	MO	DAY	
2022	07	01	2022	09	30	

NOTE: Read instructions before

PARAMETER	SAMPLE PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE				8.0	8.0	8.0		0	1	1WkC ¹
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS ²
% Total solids (by weight)	SAMPLE				0.17	0.17	0.17	%	0	1	1WkC
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS
% Volatile solids (% of total solids)	SAMPLE				59.6	59.6	59.6	%	0	1	1WkC
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS
Volatile acids	SAMPLE				<5	<5	<5	mg/L	0	1	1WkC
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS
Total Kjeldahl nitrogen	SAMPLE				703	703	703	mg/L	0	1	1WkC
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS
Ammonia nitrogen	SAMPLE				706	706	706	mg/L	0	1	1WkC
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS
Total phosphorus	SAMPLE				75	75	75	mg/L	0	1	1WkC
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE		
Albert Cox			708	588-4068	2022	10	20
TYPED OR PRINTED			AREA	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) ¹ One-week composite: composite of lagoon supernatant applied on 7/21 and 7/25/2022.

² Sample type not specified. The permit requirement is to "analyze the sludge applied from the storage lagoons or digesters on a quarterly basis..."

DISCHARGE MONITORING REPORT (DMR)

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of Greater Chicago

2022-SC-66896 Special Condition 4

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Chicago, Illinois 60611

PERMIT NUMBER

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Fischer Farm Site

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MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2022	07	01	FROM	2022	09	30
						TO

NOTE: Read instructions before

PARAMETER	SAMPLE PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Cadmium	SAMPLE				<0.002	<0.002	<0.002	mg/L	0	1	1WkC ¹
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS ²
Chromium	SAMPLE				<0.004	<0.004	<0.004	mg/L	0	1	1WkC
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS
Copper	SAMPLE				0.111	0.111	0.111	mg/L	0	1	1WkC
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS
Manganese	SAMPLE				0.474	0.474	0.474	mg/L	0	1	1WkC
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS
Nickel	SAMPLE				0.024	0.024	0.024	mg/L	0	1	1WkC
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS
Lead	SAMPLE				0.002	0.002	0.002	mg/L	0	1	1WkC
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS
Zinc	SAMPLE				0.188	0.188	0.188	mg/L	0	1	1WkC
	PERMIT REQUIREMENT				N/A	N/A	N/A			1 / 90	NS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Albert Cox TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE		
			708	588-4068	2022	10	20
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA	NUMBER	YEAR	MO	DAY

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