

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 2024-71826
BUREAU ID: W0328990004

PERMIT NO.: 2024-AO-71826

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

PREPARED BY: Metropolitan Water Reclamation District of Greater
Chicago

DATE ISSUED: January 03, 2025

SUBJECT: MWRDGC - John E. Egan Solids Drying Areas

PERMITTEE TO OPERATE

Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611

Permit is hereby granted to the above designated permittee(s) to operate water pollution control facilities described as follows:

Air drying of digested sludge including lagoon sludge and centrifuge sludge cake, by mechanical agitation on paved drying cells covering approximately 3.5 acres referred to as the Egan Solids Drying Area.

This operating permit expires on December 31, 2029.

This permit renews and replaces Permit Number 2020-AO-64904 which was previously issued for the herein permitted facilities.

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplemental Permit.

SPECIAL CONDITION 1: Lysimeters shall be replaced if they do not produce adequate samples for analysis at least two times per quarter unless adequate documentation is provided to justify retaining the lysimeter(s).

SPECIAL CONDITION 2: The permittee shall continue to practice the odor management plan as approved by IEPA.

SPECIAL CONDITION 3: Monitoring of lysimeters and sludge as required in Special Condition 4 of this permit is required when the permittee resumes air drying operations on this site. The district shall notify the IEPA Des Plaines Regional Office and Division of Water Pollution Control, Permit Section two weeks prior to resumption of drying operations at this site. The permittee shall sample all different sludges being applied to land or publicly distributed on a quarterly basis and chemically

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THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

BDF:GY:2024-71826.docx

DIVISION OF WATER POLLUTION CONTROL

cc: EPA-Des Plaines FOS
Records - Municipal



Brant D. Fleming, P.E.
Manager, Municipal Unit, Permit Section

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analyze said samples in accordance with the recommended procedures contained in the latest edition of Standard Methods for the Examination of Water and Wastewater for the following parameters. The required parameters may be adjusted in accordance with applicable laws and regulations after the site is in use, sample analysis has been conducted, and the data has been reviewed by the agency.

SPECIAL CONDITION 4:

- A. Digested sludge placed in the drying cells shall be sampled weekly as the sludge is placed in the cells for air drying and analyzed for the following parameters: pH, total solids and total volatile solids.
- B. Digested sludge removed from the drying cells shall be sampled weekly as it is removed for final utilization and analyzed for the following parameters: pH, total solids, total volatile solids, total Kjeldahl nitrogen, and ammonia nitrogen, total P, Fe, Zn, Cu, Ni, Mn, K, Na, Ca, Mg, Pb, Cr, Cd, Al and Hg.
- C. Lysimeters shall be sampled on a quarterly basis and analyzed for the following parameters, pH, EC, dissolved organic carbon, TKN, NH₃, NO₂+NO₃-N, total P, Cl, alkalinity, total dissolved solids, SO₄, Fe, Zn, Cu, Ni, Mn, K, Na, Ca, Mg, Pb, Cr, Cd, Al, and Hg.

Data collected under this permit shall be submitted to IEPA on a quarterly basis; and shall be accessible for inspection.

The Permittee is required to submit electronic DMRs (NetDMRs) instead of mailing paper DMRs to the IEPA unless a waiver has been granted by the Agency. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <https://www2.illinois.gov/epa/topics/water-quality/surface-water/netdmr/pages/quick-answer-guide.aspx>.

Permittees that have been granted a waiver shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency
Bureau of Water
Compliance Assurance Section
Mail Code #19
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276