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May 31, 2024

Illinois Environmental Protection Agency, DWPC
Compliance Assurance Section #19
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

RE: Algonquin Township Road District, NPDES Phase II – 2023/2024, Annual Report
IEPA Permit No. ILR40 -0002
HR Green Job No. 2402573

To Whom It May Concern:

Please find enclosed the NPDES Phase II – Year 21 (2023/2024), Annual Report for the Algonquin Township Road District. As the representative of the Township, HR Green, Inc. coordinated with the Township in the completion of the Annual Report for continued coverage under the General Permit, issued by the Illinois Environmental Protection Agency (IEPA).

If you have any questions, please contact me at 815-759-8386.

Sincerely,

HR GREEN, INC.

A handwritten signature in black ink, appearing to read 'Andrea H. Pracht'.

Andrea H. Pracht, P.E., CFM
Project Manager – Water Resources

Enclosure: Algonquin Township Road District Annual Update – 2023/2024

cc: Ms. Danijela Sandberg, Algonquin Township Road District
Mr. Steve Bicking, HR Green, Inc.

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Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.

Report Period: From March, 2023 To March, 2024

Permit No. ILR40 0002

MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: Algonquin Township Highway Dept Mailing Address 1: 3702 U.S. Highway 14
Mailing Address 2: _____ County: McHenry
City: Crystal Lake State: IL Zip: 60014 Telephone: 847-639-2700 x6
Contact Person: Danijela Sandberg Email Address: highway@algtwsp.com
(Person responsible for Annual Report)

Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

Algonquin Township Road District

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- | | | | |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach | ☐ | 4. Construction Site Runoff Control | ☐ |
| 2. Public Participation/Involvement | ☐ | 5. Post-Construction Runoff Control | ☐ |
| 3. Illicit Discharge Detection & Elimination | ☐ | 6. Pollution Prevention/Good Housekeeping | ☐ |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Owner Signature:

Danijela Sandberg

Printed Name:

Date:

Highway Commissioner

Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

Algonquin Township Road District
NPDES Phase II – Year Twenty One (March 2023 – March 2024) Annual Update
IEPA Permit No. ILR40-0002

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Part A. Changes to Best Management Practices

There were no changes in Year 21 to the Best Management Practices (BMPs) that were outlined in the NOI renewal permit.

The Township has reviewed the Illinois Environmental Protection Agency's (IEPA) website for information regarding approved or ongoing Total Maximum Daily Load (TMDL) limits on streams within the Municipal Separate Storm Sewer System (MS4) service area. According to the 303 (d) Listed Water Maps, seven impaired waterbodies are within the Algonquin Township Road District limits. The waterbodies are the Crystal Lake Outlet (IL_DTZR-01), Woods Creek (IL_RTZZ), Fox River (IL_DT-06, IL_DT-20 & IL_DT-22), Spring Creek (IL_DTH-01), Lake Kilkarney (IL_RTZV). The Fox River is the only waterway located within the Algonquin Township Road District's jurisdiction which has a current TMDL and no waterways in the area have a planned TMDL. The Fox River is impaired by chlorides in this reach. The Road District has minimized the use of road salt for de-icing activities. They also work to minimize the release of other potential pollutants with their recycling program.

The Township has also reviewed the EPA's Environmental Justice (EJ) Screening tool to determine if the current program requires modification to reach underserved communities. According to the screening tool, the Algonquin Township Road District is below the state average for low income and linguistically isolated. Therefore, the District assumes that program modifications are not necessary at this time.

Part B. Status of Compliance with Permit Conditions

The status of BMPs and measurable goals performed in Year 21 (2023/2024) are described below.

1. Public Education and Outreach

A.1 Distributed Paper Material

Measurable Goals: The ATRD will hand out fliers and information slips to walk-in inquiries as well as individuals participating in recycling events. The ATRD will confirm that recycling information is kept updated and kept current by reviewing on an annual basis.

Status: In Year 21, fliers were handed out at recycling events and to walk-in inquiries. The ATRD utilizes signage on Northwest Highway to inform constituents of upcoming events and recycling opportunities.

A.3 Public Service Announcement

Measurable Goals: Create new posts and PSA's reaching individuals with informative and innovative recycling information. The ATRD will create a new post at least three times a year. The ATRD will collect the total number of individuals reached by gauging quantity of "likes" or "shares".

Status: The ATRD currently holds specialized recycling events once a month during spring and summer. Daily recycling is available for items such as Styrofoam, small electronics, and tires. Monthly specialized recycling is available to residents of the ATHD for residents for the following items: TVs, small kitchen appliances, used motor and cooking oil, and car and marine batteries. Paint recycling is also available between April and October. The ATRD's website has information on alternative recycling locations for items that aren't recycled at the ATHD.

Through their Facebook page, the ATRD posts information for residents about upcoming events, road projects, and other useful information from other entities.

The ATRD has a page on their website which posts the current NOI, previous annual updates and an article pertaining to stormwater pollution. There is a dedicated NPDES/IEPA tab on the website to promote this information. The tab includes a link to ATRD's Stormwater Management Plan. The postings are available at the Township's website at: <https://algtwsp.com/npdes>

Public Education and Outreach Evaluation: The ATRD feels that the information on their facebook page and website offers sufficient information to provide residents with information about their NPDES program, as well as about stormwater and climate change.

2. Public Participation/Involvement

B.6 Other Public Involvement

Measurable Goals: The ATRD currently holds specialized recycling events once a month during spring and summer. Residents of the ATHD come in and recycle used tvs, used motor oil, and used paint. This year's goal will be to hold at least 5 or more events, the quantity of paint received and used motor oil received will be recorded after each event.

Status: ATRD has successfully executed seven (7) recycling events to collect used pain, motor oil, tires, batteries, etc. The ATRD continues to partner with local nonprofit Environmental Defenders of McHenry County to maintain the drop-off location for Styrofoam materials.

In addition to meeting the goas, the ATRD holds monthly meetings on the second Wednesday of every month. Public participation is accepted at the meetings. The ATRD participated in the McHenry County Emergency Management Agency (EMA) to provide disaster relief when required.

Public Participation/Involvement Evaluation: In Year 21, ATRD supported an Adopt-A-Highway program and the Environmental Defenders through their recycling programs The District also assists individual neighborhoods in clean-up events. Additionally, ATRD feels that their website provides sufficient educational information about the NPDES program. The Township is investigating local watershed groups and is planning to schedule an NPDES presentation for a board meeting in Year 22. As part of their relationship with the Environmental Defenders, the ATRD has continued and will continue to provide recycling services 24 hours a day, 365 days a year.

3. Illicit Discharge Detection and Elimination

C.1 Storm Sewer Map Preparation

Measurable Goals: The ATRD will continue to update the Storm Sewer Map along with mapping all of its known or observed storm sewers and culverts as needed.

Status: The ATRD currently utilizes a GIS map that documents the location of catch basins, inlets, dry wells, and storm sewer. The ATHD will continue to collect any missing or changing information and update the map as needed. The outfalls are visited on a regular basis while roadside drainage systems are being maintained. No new outfalls were constructed or identified in Year 21.

C.2 Illicit Discharge Detection and Elimination (IDDE) Ordinance – N/A. See C.9.

C.3 Detection/Elimination Prioritization Plan

Measurable Goals: The ATRD will utilize Dry Weather Screening to identify illicit discharges. The Storm Sewer Outfall Map has been prioritized and the outfalls will be visited at least once every 5 years. High priority outfalls will be identified and visited annually.

Status: The Township will continue utilizing Dry Weather Screening to identify illicit discharges, as needed. During the inspections in Year 21, no illicit discharges were found. The Road District's jurisdiction is primarily within residential land use areas. There are minimal industrial and commercial areas adjacent to the Road District's roadways and therefore no high priority outfalls have been identified to date.

C.4 Illicit Discharge Tracing Procedures

Measurable Goals: The ATRD will continue to develop, train, and educate employees in relevant positions to perform activities such as illicit discharge tracing procedures and visual dry weather stormwater outfall screening. The ATRD will utilize these Tracing Procedures to find the source of illicit discharges. The Storm Sewer Outfall Map will assist in identifying areas to be inspected.

Status: The ATRD has continued developing training to perform activities such as illicit discharge tracing procedures and visual dry weather outfall screening. Staff successfully completed outfall inspections in Year 21.

C.5 Illicit Source Removal Procedures

Measurable Goals: The ATRD will continue developing written procedures and performing Illicit Discharge evaluation in accordance with BMPs C.4 and C.7. If any illicit discharges are suspected or found, ATRD will inform the County for further enforcement action under the County Ordinances.

Status: The ATRD is continuing to develop written procedures and will continue to perform Illicit Discharge evaluation in accordance with BMPs C.4 and C.7. No updates were needed in Year 21 and no illicit discharges were found during inspections.

C.7 Visual Dry Weather Screening

Measurable Goals: The ATRD will use visual dry weather screening to identify illicit discharges. A multi-year schedule will be prepared for visiting each known outlet to perform the screening in accordance with the priority areas identified in C.3. A standardization form has been used to keep a record of the screenings as they take place.

Status: In Year 21, all the outfalls were inspected, with no new outfalls identified. No illicit discharges were found. ATRD has tracing and removal procedures in place and is prepared to initiate these procedures if an illicit discharge is identified in the future. Due to the characteristics of the ATRD jurisdiction, no high priority outfalls have been identified to date.

C.9 Public Notification of Illicit Discharge Ordinance—N/A.

The ATRD's ownership is limited to roadway ROW within the Township. Any illicit discharges found within the Township will be enforced by the County under its IDDE Ordinance.

Illicit Discharge Detention and Elimination Evaluation: ATRD feels that the IDDE program is effective. All outfalls were inspected in Year 21 and ATRD will continue annual inspections. ATRD continues to develop tracing procedures and to train staff on visual dry weather screening.

4. Construction Site Runoff Control

Development within Algonquin Township is regulated by McHenry County. The County Stormwater Management Ordinance includes provisions for the control of storm water runoff during construction. The McHenry County Department of Planning and Development also has procedures for the orderly review of new development. The County Zoning and Subdivision Control Ordinances along with the County Watershed Development Ordinance include provisions for the control of stormwater runoff during construction.

5. Post-Construction Runoff Control

Development within Algonquin Township is regulated by McHenry County. The County Stormwater Management Ordinance includes provisions for the control of storm water runoff after construction. The McHenry County Department of Planning and Development also has procedures for the orderly review of new development. The County Zoning and Subdivision Control Ordinances along with the County Watershed Development Ordinance include provisions for the control of stormwater runoff after construction.

6. Pollution Prevention/Good Housekeeping

F.1 Staff Training

Measurable Goals: The ATRD will continue to train and educate its employees in relevant positions to perform activities such as illicit discharge tracing procedures and visual dry weather stormwater outfall screening. The ATRD will also seek other opportunities for training through seminars and other training materials widely available, such as through American Public Works Association, McHenry County Soil and Water Conservation District, and other allies or information sources. The ATRD will require that individuals attend at least one seminar, training session, or workshop.

Status: In Year 21, staff has continued to attend smart salting seminars as well as classes and training offered by APWA. The District Commissioner and multiple members of the road crew have either graduated from or are currently attending APWA.

F.2-F.4 ATRD Facility Operation and Maintenance Program

Measurable Goals: The ATRD has developed an operation and maintenance program to address the maintenance needs of its properties. The Program includes a description of all Properties, Fleet and Building Maintenance, Erosion Control procedures for new construction or other land disturbance, Maintenance of the MS4 and proper waste disposal including hazardous waste and procedures for the prevention and containment of hazardous material spills.

Status: The District Commissioner and multiple members of the road crew have either graduated from or are currently attending APWA.

The ATRD has continued to implement the Operation and Maintenance Program. The ATRD has comprehensive recycling and waste services for its residents, as highlighted on their website: <https://algtwsp.com/recycling>

ATRD accepts car and truck batteries, cans, bottles, brush, waste oils, Styrofoam, some electronics, and tires. Their website has a map of their facility for proper sorting of recycled material and offers a schedule for when certain wastes are accepted. Additionally, ATRD has a link to the McHenry County Green Guide, Environmental Defenders of McHenry County, and Hazardous Waste Facilities on their website which offers detailed information about recycling and where to dispose of household hazardous wastes. By accepting material for recycling and offering information about proper waste disposal procedures for residents, ATRD is helping to minimize illegal dumping and pollution into local waterways.

Facility Operation and Maintenance Program Evaluation: ATRD feels that the current Pollution Prevention/Good Housekeeping program is working well. The facility has a covered salt storage building that is graded to prevent any salt contaminated water from leaving the building. No fertilizers, herbicides or pesticides are used or kept onsite, and all truck maintenance is performed indoors. ATRD also has a

comprehensive recycling program which helps to minimize illegal dumping and pollution into local waterways.

Part C. Information and Data Collection Results

The protocol established in the permit was followed; no illicit discharges were observed, and no illicit discharges were tested.

Part D. Summary of Year 22 Stormwater Activities

Below are listed the various BMPs which have milestones to be completed in Year 22, as outlined in the NOI. The specific milestone to be completed for each BMP is shown.

- A.1 – Confirm recycling information is kept updated and current by reviewing on an annual basis.
- B.7 – Hold at least 5 specialized recycling events and record the quantity of paint received and used motor oil received.
- C.1 – Update the Outfall Map, as necessary, to show outfall locations, receiving streams, storm sewers, and culverts.
- C.4 – Continue to implement Illicit Discharge Tracing Procedures through the training and education of employees.
- C.5 – Continue developing written procedures and continue to perform Illicit Discharge evaluation in accordance with BMPs C.4 and C.7.
- C.7—Continue scheduled visits of known outfalls. Continue to keep record of the screenings.
- C.9 – Promote information on the ATHD website and on social media to encourage more involvement for reporting of illegal dumping.
- F.1 – Train municipal employees in relevant positions and update the program, as needed.
- F.2-F.4 – Continue to implement the Operation and Maintenance Program.

Part E. Notice of Qualifying Local Program

Development in Algonquin Township is regulated by McHenry County, which has adopted the McHenry County Watershed Development Ordinance. The following items are expected to be covered by the County's ordinance as described in the original NOI.

Section C – Illicit Discharge Detection and Elimination:

Per BMP No. C.2, an Illicit Discharge Detection and Elimination (IDDE) Ordinance has been adopted by the County.

Section D - Construction Site Runoff Control:

Development within Algonquin Township is regulated by McHenry County. The County Zoning and Subdivision Control Ordinances along with the County Watershed Development Ordinance include provisions for the control of stormwater runoff during construction. The McHenry County Department of Planning and Development also has procedures for the orderly review of new development.

Section E - Post-Construction Runoff Control:

Development within Algonquin Township is regulated by McHenry County. The County Zoning and Subdivision Control Ordinances along with the County Watershed Development Ordinance include provisions for the control of stormwater runoff during construction. The McHenry County Department of Planning and Development also has procedures for the orderly review of new development.

Part F: Construction Projects Conducted During Year 21

In Year 21, no following construction projects disturbed more than 1 acre: