

1. INTRODUCTION

- a. This Stormwater Management Program (SWMP) was developed by the Algonquin Township Road District (ATRD). The purpose of the SWMP is to meet or exceed the minimum standards required by the United States Environmental Protection Agency (USEPA) under the National Pollutant Discharge Elimination System (NPDES) Phase II program. Federal regulations through the USEPA require that all Municipal Separate Storm Sewer Systems (MS4s), partially or fully in urbanized areas based on the 2000 census, obtain storm water permits for their discharges into receiving waters. Illinois Environmental Protection Agency (IEPA) has issued a new version of its MS4 Permit. The new version of the permit became effective on March 1, 2016. According to the new permit, MS4s have 180 days from the effective date of the permit to comply with any changes or new provisions contained in the permit.
- b. This document describes the pollution prevention practices that comprise the ATRD's stormwater management program. Note that this SWMP applies to the township's road areas (right-of-way, pavement and road side ditches).
- c. There are areas within the township that have been annexed into the following municipalities:
 - i. City of Crystal Lake
 - ii. Village of Algonquin
 - iii. Village of Barrington Hills
 - iv. Village of Cary
 - v. Village of Fox River Grove
 - vi. Village of Lakewood
 - vii. Village of Oakwood Hills
 - viii. Village of Port Barrington
 - ix. Village Trout Valley.
- d. The areas of the township that have been annexed into the municipalities listed above will be under the jurisdiction of those communities and their own SWMP. Only the unincorporated areas of Algonquin Township will be under the jurisdiction of this SWMP.

2. PUBLIC EDUCATION AND OUTREACH

- a. The ATRD maintains a website that has all required NPDES requirements. This site also includes all services that the ATRD provides to its constituents. A calendar is provided for quickly determining events of the ATRD.

- b. The website has links to important stormwater management websites, recycling centers, the McHenry County Green Guide, McHenry County Stormwater Management, and the McHenry County Division of Transportation. Additionally, the ATRD recycling program's information is prominently displayed to include items that are recycled daily, at specialized recycling events, and items that are not accepted at the ATRD.
- c. The website has been designed for mobile devices, tablets, and desktop computers.
- d. The ATRD website is:
<http://www.algtwsp.com>
- e. The ATRD maintains a Facebook page where the Highway Commissioner and staff post upcoming events to help inform the public. The Facebook page provides links to external websites, articles, and information as well as important news and weather updates.
- f. The ATRD Facebook page is:
<https://www.facebook.com/AlgonquinTownshipHighwayDepartment/>
- g. The ATRD actively works with the McHenry County Division of Planning and Development, Stormwater Management Division, the McHenry County Department of Health, and the McHenry County Division of Environmental Health.
- h. The ATRD participates with the McHenry County Emergency Management Agency (EMA) to coordinate and provide disaster relief.

3. PUBLIC PARTICIPATION AND INVOLVEMENT

- a. The Algonquin Township Board conducts meetings that are open to the public and correctly posted with the Illinois Open Meetings Act. There is a public comment period at the board meeting where residents are encouraged to make statements.
- b. The ATRD participates in the McHenry County Water Resources Action Plan Task Force (WRAP). Meetings take place monthly and important information is reposted on our website and Facebook account. Important information discussed at the WRAP includes aquifer preservation and recharging, the impacts of salt on our waterways, and best practices to protect our water. The county also holds several water workshops throughout the year that are not connected to the WRAP task force. The ATRD actively informs the public about events and opportunities to participate.
- c. The ATRD actively partners with the McHenry County Defenders, a local non-profit, to recycle Styrofoam. This partnership was the first of its kind in McHenry County. This

program helps eliminate non-biodegradable Styrofoam from entering our waterways. This program is promoted on the ATRD website on the daily recycled page and also on Facebook.

- d. The ATRD has a brush pick up program from April to October as well as after significant storm events. All brush is turned into mulch by going through our tub grinder which is free to all township residents. This program is promoted on the ATRD website on the daily recycled page and also on Facebook.
- e. The ATRD holds specialized recycling events once a month between the months of April to October to collect the items listed below. This program is promoted on the ATRD website on the daily recycled page and also on Facebook.
 - i. Answering machines
 - ii. Computers & computer components
 - iii. Camcorders and cameras
 - iv. Cell phones, telephones and phone systems
 - v. Small dehumidifiers and humidifiers
 - vi. Digital recorders and converter boxes
 - vii. Fax machines
 - viii. MP3 Players and music players
 - ix. Microwaves
 - x. Power tools
 - xi. Small home appliances (blenders, fans, toasters, vacuums, etc.)
 - xii. Stereos
 - xiii. Typewriters
 - xiv. Video game consoles and controllers
 - xv. Used motor oil
 - xvi. Car and marine batteries
- f. Homeowners are responsible for hiring garbage pickup and recycling services.
- g. The ATRD does not have an Environmental Justice area within its jurisdiction.

4. ILLICIT DISCHARGE DETECTION AND ELIMINATION

- a. The McHenry County Department of Planning and Zoning, Stormwater Management Division enforces the county illicit discharge ordinance.
- b. The ATRD has created and maintains an ARCGIS database where several maps can be maintained. The specific maps include, but are not limited to:

- i. Storm sewers
 - ii. Drainage ditches
 - iii. Culverts
 - iv. Drain tiles
 - v. Discharge points
 - vi. MS4 receiving waters/tributaries
- c. The ATRD maintains a Drainage Task List (DTL) to track all challenging stormwater drainage work completed on a yearly basis. Simple culvert replacements or repairs are not tracked on this task list but are updated in ARCGIS.
- d. The ATRD conducts annual inspections and cleans out debris from catch basins, culverts, drain tiles, and tributaries utilizing its Vactor Truck. Any discrepancies are reported, logged, and additional work is added to the DTL.
- e. The ATRD inspects the road network drainage system for evidence of illicit discharges while performing routine operation and maintenance activities. The ATRD will log detected illicit discharges on the DTL.
- f. The may ATRD hire contractors for all stormwater repair work that the highway commissioner deems too big for the ATRD to complete.
- g. Residents can report instances of pollution or suspected pollution by contacting the ATRD at (847)639-2700 x6 or fill out the contact form on the ATRD website. The ATRD will log all reported illicit discharges and investigate the report. If required, the ATRD will contact and work with county agencies as required. The ATRD phone number is available on the ATRD website and Facebook.
- h. The ARTD is working to provide baseline training for Illicit Discharge Detection and Elimination Training to staff.

5. CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

- a. The National Pollutant Discharge Elimination System (NPDES) – All construction sites that are required to file for coverage under the NPDES, general or individual permits, shall have a Storm Water Pollution Prevention Plan (SWPPP) that meets the requirements of the current NPDES Permit No. ILR10, including management practices, controls, and other provisions at least as protective as the requirements contained in the latest version of the Illinois Urban Manual. SWPPP plans are submitted, reviewed, and approved by the McHenry County Department of Planning and Development in conjunction with the ATRD as part the approval process for the development. The County and/or ATRD performs periodic inspection of construction sites to assess the

effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction sites. Insufficient erosion and sediment control measures are addressed promptly.

- b. The McHenry County Department of Planning and Development reviews site plans in the township areas that are not within municipal boundaries. The Department reviews the Stormwater Pollution Prevention Plan and Erosion Control Plans to ensure water quality and erosion are consistent with pre-construction conditions. The McHenry County Department of Planning and Development coordinates with the township on their review of roadway access and drainage outfalls into township roadway drainage ditches.
- c. Construction of site development projects requiring soil erosion prevention measures and permits will be inspected by the McHenry County Department of Planning and Development for compliance.

6. POST CONSTRUCTION RUNOFF CONTROL

- a. The ATRD contracts with professional engineering firms who conduct post construction inspections after construction has been completed for the ATRD projects.

7. POLLUTION CONTROL AND GOOD HOUSEKEEPING

- a. ATRD staff attend workshops and seminars hosted by the Illinois Department of Transportation (IDOT), Township Officials of Illinois (TOI), American Public Works Officials (APWA), the McHenry County WRAP Task Force, and by other third-party consultants and vendors related to public works.
- b. The ATRD has a street sweeper and sweep all ATRD roads in the spring, summer, and fall. Additionally, the streets are swept after severe weather events when required.
- c. Road salt is maintained in the ATRD salt dome. The salt dome and conveyor are cleaned and inspected regularly. The salt dome has had its roof replaced in 2019 and conveyor replaced in 2018.
- d. ATRD staff clean culverts, basins, and other drainage areas on a regular basis.
- e. Diesel and Gasoline for ATRD vehicles are stored in underground storage tanks. Tanks are inspected in accordance with federal and state regulations by a third party vendor.