Move Illinois: The Illinois Tollway Driving the Future



June 9, 2020

Illinois Environmental Protection Agency Division of Water Pollution Control Compliance Assurance Section Municipal Annual Inspection Report 1021 North Grand Avenue East P.O. Box 19276 Springfield, IL 62794-9276 epa.ms4annualinsp@illinois.gov

Subject: Municipal Annual

Municipal Annual Storm Water Inspection Report

NPDES Permit No. ILR400494 for Discharges from MS4s

Dear Sirs/Madams:

Please see the attached Annual Report as required by the Illinois State Toll Highway Authority (Illinois Tollway) ILR40 NPDES Permit. The report covers the period from March 2019 through March 2020 and describes program compliance and progress, information collected, summary of storm water activities planned, and a list of construction projects paid for by the Illinois Tollway.

As part of the program, the Illinois Tollway has continued instituting the requirements specified in the March 1, 2016 (effective date) General NPDES Permit No. ILR40, including continuation of our annual outfall inspection program. The outfall inspections conducted during this reporting period included each of the designated system-wide sensitive outfalls as well as outfalls to Waters of the U.S. on approximately 70.8 miles of the East-West Tollway (I-88) from M.P. 44.2 to 115.0.

We trust that you will find this submittal compliant with the Annual Reporting program. Should you have any questions or require additional information, please contact me at (630) 241-6800 extension 4872.

Sincerely,

Bryan Wagner

Environmental Policy and Program Manager

Bry Way

Annual Facility Inspection Report NPDES Discharges from Municipal Separate Storm Systems (MS4)

Illinois Tollway NPDES Permit No. ILR400494 Reporting Period: March 2019 to March 2020

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I. Introduction

The State Toll Highway Authority (Tollway) has complied with the General National Pollutant Discharge Elimination System (NPDES) ILR40 Permit conditions, under the NPDES Permit, for Discharge from Small Municipal Separate Storm Sewer Systems (MS4's), Permit Number ILR400494. An annual review of the Stormwater Management Program was completed as required by the ILR40 Permit. This report accounts for stormwater management activities completed towards the fulfillment of the requirements of the Tollway's MS4 permit during the March 2019 to March 2020 reporting period.

II. Special Conditions

A. Total Maximum Daily Loads

The ILR40 permit requires the Tollway to review its Stormwater Management Program to determine if a Total Maximum Daily Load (TMDL) or Watershed Management Plan includes requirements for control of stormwater discharges from Tollway construction or operations. A summary of these receiving waters and their regulatory implications to the Tollway is provided in Appendix A.

B. State Chloride Standards

The DuPage River Salt Creek Workgroup (DRSCW) is a watershed group formed in 2005 to coordinate water quality management activities for the East & West Branches of the DuPage River and Salt Creek. This group is working to improve water quality for several parameters, including chlorides, of which the Tollway is a contributor. The Tollway is an active participant in this watershed group, is part of the DRSCW chloride sub-committee, and regularly attends their meetings. Additionally, the Tollway is an active member of the Metropolitan Water Reclamation District's Chicago Areas Waterways workgroup, whose goal is to reduce chloride loadings to the waterways within the Chicago area.

The application of deicing salt is the most significant water quality concern for the Tollway. Numerous methods to reduce the use of chlorides, while maintaining acceptable road safety and operations, have been explored. The Tollway approaches chloride reduction from two directions: improving the efficiency of Tollway deicing operations and assisting local agencies/communities along Tollway facility corridors to reduce their salt use. Chloride reduction strategies include utilizing new technologies and approaches in salt distribution, and education to increase deicing operators' awareness of environmental impacts of salt, and the importance to reduce the amount used while maintaining safe roadway conditions.

The Tollway continues to improve deicing efficiency through implementation of equipment and practices recommended to the Tollway by Wilfred Nixon, PhD of the University of Iowa, as detailed in previous MS4 Annual Reports:

- The Tollway continues to assess and refine chloride application rate during winter storm events. The standard application rate setting for Tollway salt spreader is 300 pounds per lane mile for dry salt, and rates as low as 100 pounds per lane mile are used where possible, such as locations of lower traffic speeds.
- The Tollway is investing in brine production and vehicle application systems to help reduce rock salt application rates required to maintain safe operation conditions. Prewetting of rock salt with a brine solution reduces the amount of rock salt needed to maintain safe operating conditions by as much as 25% by decreasing the bounce (and therefore scatter) of rock salt. This results in a more efficient distribution of rock salt with more remaining on the pavement versus bouncing off. Prior to the 2016-2017 winter season, the Tollway purchased two mobile brine making systems, liquid brine storage tanks for almost all Maintenance Facilities, and truck mounted brine tanks and applicators to furnish the ability to pre-wet rock salt. The Tollway is under contract to install a stationary, automatic brine making system at the new M-8 Maintenance Facility in Aurora. This state-of-the-art facility will serve as a pilot program to guide similar installations at other Maintenance Facilities and is expected to be on-line in October 2020.
- The Tollway is leveraging the use of brine solutions to provide greater ability to effectively manage the roadway system under adverse conditions for which standard management practices are not effective, such as but not limited, to sub 15° Fahrenheit air and pavement temperatures. This also reduces the amount of sodium chloride needed.
- Annual training is provided to Tollway Maintenance Facility staff regarding the effective use of brine and other mixtures, such as Beet Heet® and liquid chloride, to reduce the overall chloride distribution rates. Tollway Maintenance Facilities have representative employees present at training events, such as the DuPage Roads Deicing Workshop, held on October 24, 2019, and at winter operations Snow Meetings that are held at each Maintenance facility in advance of the snow season.
- One component in the snow and ice control program is receiving accurate and timely identification of approaching storms. The Tollway maintains a contract with a professional meteorological service (Weather Command), to provide the Tollway with location-specific weather predictions and conditions for use throughout the Tollway roadway system. The information provided by the weather forecast service provides staff with Tollway specific forecasts that can help provide more effective pre-planning of winter operations system-wide.
- The Tollway has installed 19 Roadway Weather Information Systems (RWIS) within its system, primary on bridge approaches and bridge decks, to help assess winter pavement conditions in real-time for strategic deicing. The RWIS system is able to analyze the road surface condition, the amount of snow, water, or moisture on the surface, and the freezing temperature. The system also provides an estimate of the amount of de-icing

chemical required for the roadway and provides warnings about forecasted ice, snow, and precipitation events. For 2021, as many as 10 stations will require repair and/or updates to meet new ITS standards.

In 2018, the Tollway changed the installation method from a single lace tower to a two-pole installation. The modularity of the new RWIS installation makes the system flexible and scalable and is available with several atmospheric and road surface sensor options. The new RWIS system measures the following conditions:

- o Air temperature/relative humidity
- o Precipitation and visibility sensor
- o Road surface state and road surface temperature
- Subsurface temperature (embedded in the shoulder not in bridge approach or deck)
- Wind speed/direction sensor

As part of the installation, there will be two pairs of road surface sensors: one pair deployed for monitoring the bridge deck pavement condition per direction of traffic and one pair of laser temperature sensors installed on each pole to adequately monitor the bridge approach and bridge deck road temperature condition.

The new temperature sensor technology precludes the need for drilling holes required to embed the two temperature sensors and install conduit in the bridge structure from the two temperature sensors to the RWIS cabinet. This eliminates potential issues with the integrity of the pavement and complicated maintenance associated with the embedded sensor installation. Moreover, the new installation will provide more accurate and reliable data to reduce chloride use through strategic application.

• The Tollway entered into a Memorandum of Understanding (MOU) with the DuPage River Salt Creek Workgroup to implement a broader chloride offset program, by also partnering with local agencies, to improve their efficiency and reduce chloride use. Per the MOU, the Tollway is entering into intergovernmental agreements (IGAs) with communities adjacent to Tollway corridors who have expressed an interest in the program. The communities who participate in the chloride offset program will receive funds from the Tollway to assist in the purchase and implementation of new equipment and processes to reduce their chloride use. Currently IGAs are being sought with the Villages of Bensenville and Wood Dale for water quality permits for the EOWA corridor.

III. Stormwater Management Programs

The Tollway has achieved the March 2019 to March 2020 reporting year goals for developing, implementing, and enforcing a Stormwater Management Program to reduce the discharge of pollutants to the maximum extent practical. The Tollway's progress for each of its minimum control measures is described below.

A. Public Education and Outreach

The Tollway does not have a traditional public education or outreach program as described in General NPDES Permit No. ILR40, Part IV.B.1 as the Tollway is a transportation agency and not a municipality with a resident population. However, the Tollway does provide information to the public and industry professionals to educate them about stormwater issues, as well as policies and procedures being used to reduce pollutants in stormwater runoff, as discussed below.

2019-2020 Compliance with Permit Conditions:

a. Tollway Website (BMP No. A.6)

The Tollway website contains an "Environment" web page accessible to the public (www.tollway.com/sustainability/stormwater-management) to share information with the public regarding Tollway stormwater quality initiatives and related topics. Current topics include the Landscape Master Plan, green construction and sustainability initiatives, and wetland mitigation and restoration activities. The website is also used to inform the public on the Stormwater Management Program by providing access to current and previous MS4 Annual Reports and NPDES documentation [Notice of Intent (NOI) and Stormwater Pollution Prevention Plan (SWPPP) documents] for active construction projects. The 2019 MS4 Annual Report has been uploaded to the website, and NPDES documentation continues to be updated on an ongoing basis as projects are completed and new projects begin.

The website is also a mechanism for communicating the Tollway's continuous efforts to update policies, manuals, and specifications, including those for protection and management of stormwater. These resources are continuously updated to address new permit requirements and stormwater improvement practices. In order for Tollway contractors and consultants to perform planning, environmental studies, roadway design, construction, and maintenance activities for Tollway assets, these groups must be kept current with changes and revisions to policies and procedures to help reduce pollutants in stormwater runoff and protect environmental resources. In March 2020, the Tollway's *Erosion and Sediment Control Landscape Design Criteria Manual* and *Environmental Studies Manual* (now titled *Erosion Control and Landscape Manual*) were updated, as well as the erosion control standards in the Tollway Supplemental Specifications. In part, these updates reflected changes to the revised General NPDES Permit No. ILR10, issued by the Environmental Protection Agency (IEPA), on August 3, 2018 and updates to the Association of Soil and Water Conservation District's *Urban Manual*. Links to current versions of the Tollway manuals and Supplemental Specifications are available for use and reference by the public on the Tollway website.

The Tollway website also contains a "Projects in Your Community" page (https://www.tollway.com/outreach/projects-in-your-community) to share information for major capital improvement projects. One such project that the Tollway began in 2018 is to reconstruct a 22-mile stretch of I-294 from Balmoral Avenue to 95th Street (Central Tri-State Project). The estimated \$4 billion project is projected to be completed in 2025 and will provide congestion

relief and reconstruct dated infrastructure to meet current and future transportation demands. The project design phase and the construction of the mainline continued during 2019-2020. For the Central Tri-State Project, the website is being used to highlight key policy areas, including stormwater management. Information provided for the project on the web page includes a *Stormwater and Drainage Memorandum*, which outlines the corridor-wide plans to improve stormwater quality and reduce flooding, concept drainage reports, and concept design drawings.

The Tollway has procedures for receiving and considering information submitted by the public. Comments that are received via the Tollway's website are handled by the Communications Department. The Communications Department determines which Tollway department should respond, and the comments are forwarded accordingly. If a telephone call or email is received, it is directed to the Executive Director or Chief Engineer. Any communications that are related to stormwater, green infrastructure, or similar topics are directed to and handled by the Environmental Unit.

The Tollway website provides a valuable, accessible resource for design and construction consultants and the general public to learn about Tollway stormwater initiatives, including steps being taken to reduce pollutants in stormwater runoff. The website provides a central location to convey stormwater program content and information to the public.

b. Water Quality Demonstration Projects (BMP No. A.6)

The Tollway developed a bioswale pilot program to minimize the volume of stormwater runoff and pollutants from its roadways. Intense post-construction monitoring occurred from August 2010 through December 2015, the results of which were detailed in previous MS4 Annual Reports. Although the north Tri-state bioswale demonstration project is complete, the Tollway will be monitoring the performance of bioswales and basins on I-390 and I-90 including 137 bioswales in region M-6.

Reports of the above ongoing bioswale monitoring are available to the public by contacting the Tollway Environmental Unit at environment@getipass.com or (630) 241-6800 ext. 4872.

c. Presentations and Seminars (BMP No. A.6)

The Tollway provided and/or participated in several presentations and seminars during the annual reporting period on various stormwater quality topics as follows:

- April 3, 2019: ACEC Workshop on Environmental Manual Updates
- May 29, 2019: Urban Manual Technical Committee meeting
- June 4, 2019: IRTBA Environment and Landscape Committee
- June 28, 2019: Drainage and Erosion Control annual facility inspections presentation

- October 9, 2019: McHenry Co Water Resources Action Plan for Transportation
- October 9, 2019: Presentation to McHenry Co Water Resources Action Plan for Transportation entitled "Winter Maintenance Operations From a Stormwater Perspective"
- October 11-November 15, 2019: Chloride Education for Maintenance Facilities M1, M2, M3, M4, M6, M7, M8, M12, M14 entitled Facility Snow & Ice Education and including DRSCW 2019 Public Roads on October 24, 2019; and Weather Command M&T Empowering Decision Makers on November 4, 2019
- Watershed Meetings:
 - October 31, 2020: TRB Complying with TMDL Roadway Runoff
 - o April 3, 2019: Kishwaukee Watershed Steering Committee
 - o June 8, 2019: Upper Kishwaukee Watershed Tour
 - o August 7, 2019: Kishwaukee Watershed Field Inventory Presentation
 - o August 20, 2019: Mussel Survey at Kishwaukee Bridge

B. Public Involvement/Participation

The Tollway does not have a traditional public involvement/participation program as described in General NPDES Permit No. ILR40, Part IV.B.1 as the Tollway is a transportation agency and not a municipality with a resident population. However, the Tollway uses various public involvement and participation strategies to effectively improve stormwater quality.

2019-2020 Compliance with Permit Conditions:

a. Public Hearings (BMP No. B.4)

The Tollway periodically holds public hearings, generally for National Environmental Policy Act (NEPA) studies, large-scale projects, toll increase proposals, and bond proposals. When a public hearing is held related to engineering studies or construction, a water quality improvement / erosion and sediment control component is incorporated into the presentation. The water quality component of the public hearing is required for NEPA studies and large-scale Tollway projects, but not for toll increase proposals or bond proposals. Public meetings were conducted between March 2019 and March 2020 associated with the following programs:

 Central Tri-State (I-294) Reconstruction: Burr Ridge, Justice, Schiller Park, and I-294/I-290/I-88 Interchange Project; and

A summary of the public meetings during the reporting period for the above planned construction programs is provided in Appendix C.

b. Program Involvement (BMP No. B.6)

- 1. The Tollway has developed and maintains numerous manuals to support implementation of the Stormwater Management Program, notably the Tollway's *Environmental Studies Manual*, the *Erosion Control & Landscape Manual*, *Drainage Design Manual*, and *Construction Manager's Manual*. All of these documents contain coordination and check points that involve the review of plans and ensure the implementation of practices for stormwater protection. These documents also ensure program involvement occurs from concept to final design, and through the construction and post-construction processes.
- 2. Upon request, the Tollway provides NPDES documents and records to local and federal regulatory agencies. Documentation of all such requests are maintained in the Tollway's Web-Based Program Management System (e-Builder). No such requests were made during the March 2019 to March 2020 reporting period.
- 3. The Tollway maintains regular communication and coordination with regulatory agencies with regard to active and anticipated environmental permits. These are generally limited to U.S. Army Corps of Engineers (USACE) permits under Section 404 of the Clean Water Act (CWA) and IEPA certifications under Section 401 of the CWA. The Tollway initiates coordination early in the planning stage, as soon as the potential for resource impacts is identified. Documentation of all permitting correspondence and coordination meetings is also maintained in the e-Builder filing system.
 - In July 2018, the Tollway executed a 4-year agreement with the USACE, under Section 214 of the Water Resources Development Act (WRDA). The agreement was signed to facilitate permitting due to the number of programmed projects that will require authorization from the USACE for impacts to "Waters of the United States" pursuant to Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act.
- 4. The Tollway is a member of the DuPage River Salt Creek Workgroup and participates in its meetings and activities. The Workgroup has a robust public education and outreach program on stormwater impacts. Appendix B itemizes the workgroup activities that took place during the March 2019 to March 2020 reporting period.
- 5. The Tollway continues to implement a sustainability program called INVEST (Infrastructure Voluntary Evaluation Sustainability Tool), originally developed by the Federal Highway Administration (FHWA), which has been modified and expanded by the Tollway for its use. This program assesses and promotes the use of sustainable practices as part of Tollway planning, project design and construction, and operations and maintenance, by scoring individual components and awarding achievement levels. The scores and achievement levels inform the Tollway where it is doing well and where improvements can be made. The Tollway requires the use of INVEST for any *Move Capital Program* project that exceeds \$10 million in construction costs. INVEST includes a stormwater component that promotes sustainable stormwater management for both quantity and quality.

In 2018 and 2019, all projects with a construction cost of over \$10 million were evaluated for sustainability using INVEST. Projects were able to receive points for not having a release during a 50-year storm simulation, or for having a 2/3 Allowable Release Rate. One project under construction performed particularly well receiving 5 out of the 6 points available under the stormwater criteria. This project, the construction of a new interchange at IL 23 and I-90, is designed to manage the runoff volume for a 50-year, 30-minute rainfall and has a zero-release rate for a fifty-year storm.

- 6. The Tollway website contains a "Projects in Your Community" web page (https://www.tollway.com/outreach/projects-in-your-community) to solicit input from communities, businesses, elected officials, and environmental and transportation organizations, for planned capital improvements. The web page includes various outreach resources such as past public meeting presentations, notices of open houses, and other public meetings, and e-mail links for the public to submit comments and questions. Current projects on the web page include the Central Tri-State (I-294) Reconstruction, the Elgin-O'Hare Western Access Project, and the U.S. Route 20 Interchange Improvement Study. The content of the web page is updated on a regular basis.
- 7. Tollway construction specifications, design manuals, and policies are continuously updated to address new permit requirements or stormwater quality improvement practices. The process for updating these documents involves portions of public including the Road Builders Association and American Council of Engineering Companies (ACEC-IL) on proposed updates and changes. A formal comment period for the March 2018 to March 2019 reporting period was held in January 2019. The input received, including revisions related to stormwater quality, was considered and incorporated into the 2019 revisions as appropriate. A record of the comments that were received and their dispositions was provided to the industry groups solicited for input. A copy of this record is available to the general public by contacting the Tollway Environmental Unit at environment@getipass.com or (630) 241-6800 ext. 4872.
- 8. Annually, the ACEC-IL hosts the Tollway Design & Construction Practices Workshop. The workshop is attended primarily by design and construction engineers that are involved with Tollway projects, although any member of the public may attend through a paid registration. Attendees review the updates to the Tollway design and construction standards and are encouraged to bring ideas on how the Tollway can improve and innovate. The 2020 annual workshop was postponed due to the Covid19 and rescheduled for May/June 2020 in a virtual meeting format. Copies of all presentations, including stormwater related subjects (Environmental, Erosion Control, Drainage, and Landscape), will be made available to the attendees through ACEC-IL. Copies of the presentations will be available to the general public by contacting the Tollway Environmental Unit at environment@getipass.com or (630) 241-6800 ext. 4872.

C. Illicit Discharge Detection and Elimination

The Tollway is continuing its approach for long-term surveillance of outfalls and stormwater conveyances, to identify and eliminate illicit discharges. A summary of the illicit discharges that occurred within the Tollway MS4 area during the March 2019 to March 2020 reporting period is provided in Appendix D. The Tollway conducts two different types of inspections which include illicit discharge detection as follows:

- The Tollway conducts an Annual Inspection Program for roadways, structures, facilities, and safety appurtenances. As part of this program, the entire Tollway system has its pavement, right-of-way, drainage, lighting, intelligent transportation system (ITS), bridges, culverts, and safety appurtenances inspected each year. Inspections are conducted by trained inspectors and include an examination of ditches and embankments for signs of erosion, drainage structures for structural integrity, and conditions of stormwater management ponds. When potential concerns are noted, they are documented, assessed, discussed among staff, and possible solutions are presented for response by the respective Tollway Maintenance Manager, with a level of priority assigned. Additional details on this inspection program were provided in the 2014-2019 MS4 Permit application. During these routine inspections, the inspectors are also required to report the presence of any indicators of potential illicit discharges.
- The Tollway's roadway system has been subdivided into five sections for the purpose of inspecting stormwater outfalls for potential illicit discharges. Each year, one of the sections has every outfall to Waters of the U.S. within its boundaries inspected. In addition, designated sensitive outfalls (determined based on stream impairments, TMDLs, watershed plans, sensitive adjacent ecosystems, and adjacent threatened or endangered species) throughout the entire Tollway MS4 area, are each inspected annually. The inspections are performed to identify any evidence of illicit discharges, as well as note existing conditions of the outfall and stormwater quality as it enters and exits the Tollway right-of-way. The inspections look for unusual colors, odors, turbidity, trash/debris, sheens, biological oddities, and other similar indicators of illicit discharges.

In addition to the above, the Tollway currently has eleven (11) Maintenance Facilities located throughout the Tollway system. Staff from the Maintenance Facilities are responsible for mowing, snow removal, maintenance of the roadway and adjacent right-of-way, and patrolling the system daily for defects that may adversely affect the structure of the road, adjacent property, the environment, or public safety. As part of their daily work activities, Maintenance Facility staff have been trained in the identification of illicit discharges.

The Tollway has developed a protocol and trained appropriate staff for the reporting of illicit discharges that occur within the Tollway right-of-way. The individual who notes a suspected illicit discharge completes an Illicit Discharge Notification Form, and the Tollway's Environmental Unit is advised of the issue. The Environmental Unit then conducts further investigation to determine the source and nature of the discharge, and determines if the suspected discharge has left Tollway right-of-way or has been discharged to Waters of the U.S. If it is determined that an illicit discharge has occurred which may endanger human health or the environment, the IEPA is notified verbally within 24 hours and a written 5-Day Report is

submitted (unless waived by the IEPA). Illicit discharges are also reported to the IEPA in the MS4 Annual Report.

If it is determined that an illicit discharge has occurred within the Tollway right-of-way, or an area needs further inspections in order to determine if an illicit discharge has occurred, the incident/location is logged into a database that tracks "Special Issues". Each incident/location is given a log number, details of the incident are logged into the database, and an Tollway staff member is assigned responsibility for the incident. Recommended actions, such as follow-up inspections and any other appropriate response actions, are recorded in the database. After the source of any illicit discharge is identified and remedial actions are implemented to eliminate the discharge and prevent further occurrences, the database is updated, and the incident is closed. In this manner, the Tollway can ensure that illicit discharges are responded to, and that appropriate corrective action is taken.

The Tollway complies with the ILR40 Permit Standard Conditions (Attachment H of the permit) to respond verbally within 24 hours of identifying an illicit discharge and submittal of any required written 5-Day Reports. The 24-hour verbal notice and 5-Day Report are provided after a suspected illicit discharge is investigated, and the Tollway has determined that an actual illicit discharge has occurred.

If it is determined that the illicit discharge within the Tollway right-of-way was caused by an entity other than the Tollway, corrective action is implemented by the responsible party. If the response by the responsible party is inadequate, the Tollway will request one of its approved contractors to respond at the responsible party's expense, including a potential fine for failure to institute appropriate corrective action.

2019-2020 Compliance with Permit Conditions:

a. Update Storm Sewer System Mapping (BMP No. C.1)

A comprehensive map of the entire Tollway stormwater management system was completed during the five-year period of the original March 2003 General Permit No. ILR400494. Stream crossings, outfalls, ditches/swales, and flow direction were identified on those maps. Remapping of the systemwide stormwater maps began in 2010 with the Tollway having completed most of the re-mapping by 2015. Subsequently, mapping of the stormwater system for the new Elgin-O'Hare Tollway, from mileposts 6.0 to 15.8, commenced and was completed in 2017, following construction of this section. Sewer system mapping will continue over the coming years as the remaining section of the Elgin-O'Hare (IL-390)Tollway is completed and construction of the new I-490Tollway begins.

The Tollway's systemwide storm sewer mapping has one-fifth of its system re-evaluated on a yearly basis to determine if stormwater management information is still current. This occurs as part of the Tollway's Annual NPDES Outfall Inspection Program. In addition, the Tollway examines those projects that have occurred since the previous review to determine which segments of the roadway have had significant construction; areas with significant construction

are re-mapped. Using both of these methods, the systemwide storm sewer maps are maintained and regularly updated.

The Tollway's asset management system includes all Tollway outfalls, all Waters of the U.S., impaired waters, watershed plans areas, sensitive adjacent land uses (wetlands, high quality aquatic resources, Natural Areas Inventory sites, and threatened or endangered species), watershed boundaries, and other pertinent information that allows for appropriate decision making regarding stormwater management. This database continues to be developed and will eventually include all Tollway stormwater management components (detention ponds, culverts, drainage components, etc.) which will enable the Tollway to more efficiently manage its stormwater management system.

b. Illicit Discharge Inspections and Visual Dry-Weather Screening (BMP No. C.3)

The Tollway conducts annual inspections on the roadway system, including pavement, right-of-way, drainage, structures, lighting and ITS, and safety appurtenances. During these inspections, the inspectors are required to report the presence of any indicators of potential illicit discharges. The routine roadway system inspections, completed during the March 2019 to March 2020 reporting period, did not identify any evidence of illicit discharges. Similarly, the annual outfall inspections, completed during the March 2019 to March 2020 reporting period, did not identify any potential illicit discharges.

Although the routine inspections did not identify any potential illicit discharges that originated with the Tollway MS4 area, an oily sheen was reported on Willow Creek downstream of South Thorndale Avenue and Tollway work areas. An oil boom was deployed by the Tollway Construction Manager (CM), and the sheen was followed upstream and away from the Tollway site. The Village of Bensenville was subsequently contacted who offered to further investigate the source. The sheen was determined to be a result of an off-site discharge, likely from nearby home demolition(s), and not from Tollway activities. A summary of the illicit discharges that occurred within the Tollway MS4 area during the March 2019 to March 2020 reporting period is provided in Appendix D.

D. Construction Site Stormwater Runoff Control

The Tollway's *Drainage Design Manual* and the *Erosion and Sediment Control Landscape Design Criteria Manual* are integral to the construction site stormwater runoff control process. These manuals stipulate state-of-the-art procedures for erosion and sediment control and drainage design. They incorporate elements of the *Urban Manual* and provide checklists to be used during project design plan preparation. In addition, the Tollway has developed and maintains additional manuals to support implementation of the Stormwater Management Program, including the *Drainage Design Manual* and *Construction Manager's Manual*. All of these documents contain coordination and check points that involve the review of plans and ensure the implementation of practices for stormwater protection. These documents also ensure that program involvement occurs from concept to final design and throughout the construction and post-construction processes. Refer to Appendix E for a list of construction projects which

were completed during the March 2019 to March 2020 reporting period and an NOT was filed with the IEPA.

Erosion and Sediment Control Plans (ESCPs) are reviewed during the various design stages of construction projects. The plans are reviewed by members of the design team, including review and approval by an Licensed Professional Engineer. These plans are also reviewed during development by Tollway staff, the Tollway's General Engineering Consultant (GEC), as well as qualified Independent Soil and Erosion Sediment Control (SESC) Inspectors prior to construction.

The Tollway has a policy that requires erosion and sediment control be discussed with the Contractors on several occasions prior to construction. The Pre-Bid Meeting includes a discussion on the requirements as well as two Pre-Construction Meetings, one of which is solely dedicated to the review of the project SWPPP. Pre-Construction Meetings are required according to the *Construction Manager's Manual* and the *Erosion and Sediment Control Landscape Design Criteria Manual*. The Erosion Control Pre-Construction Meeting is required to be attended by the Design Engineer, the Construction Manager (CM), a member of the Tollway Environmental Unit, the Contractor's Erosion and Sediment Control Manager (ESCM), and the Contractor's Erosion/Landscape Subcontractor. Staging, construction techniques, sediment and erosion control methods and installation, inspections, maintenance, and project documentation are among the items that are reviewed and discussed at each Erosion Control Pre-Construction Meeting.

All Tollway construction projects that disturb one acre of land or more are required to develop a project-specific SWPPP. The SWPPP is contained within the Tollway's Special Provision (S.P.) 111 of the construction documents. The requirements of S.P. 111 include the identification of potential sources of stormwater pollutants, description of pollutant mitigation, operational activities, physical controls, and a description of pollutant monitoring that will be used to prevent the discharge of pollutants into the Waters of the U.S. for the duration of a construction project.

In addition to the NPDES Permit No. ILR10 and ILR40 requirements, the Tollway's *Drainage Design Manual* and the *Erosion Control and Landscape Manual* require the SWPPP to address concrete fines from construction projects, utilizing recycled concrete, and also requires the Contractor's ESCM to have successfully completed an approved sediment and erosion control training course. Additionally, the Tollway's *Erosion Control and Landscape Manual* includes requirements that natural buffers be maintained around surface waters, soil compaction be minimized, and topsoil be preserved unless infeasible.

All construction work is subject to regular erosion and sediment control inspections. This is accomplished through the CM's designated Erosion and Sediment Control Site Representative (ESCSR). The CM's designated ESCSR confirms that the SWPPP is being adhered to and performs erosion and sediment control inspections as required by General NPDES Permit No. ILR10. In addition, the Tollway retains the services of a third-party consultant to aid the Environmental Unit staff in monitoring compliance of large projects and projects with a Section

404 permit issued by the USACE. The primary objectives of the independent inspection program are to:

- Ensure conformance of the inspection and record-keeping program implemented by the Tollway CM with the ILR10 permit conditions;
- Ensure the proper and timely installation and maintenance of the controls specified in the ESCP and SWPPP, including any amendments;
- Ensure the effectiveness of the SWPPP and ESCP in controlling erosion and stormwater pollution, including off-site discharges; and
- Provide recommendations to address identified deficiencies and potential non-compliance issues.

Documentation of erosion and sediment control inspections on a weekly basis, as well as following 0.5-inch precipitation events, are required by the ESCSR. These inspections are documented on an Tollway-specific form (A-38 Form). If the inspections identify any erosion and sediment control deficiencies, the Contractor is instructed to make repairs and a timeframe for resolution is specified. If repairs are not satisfactorily made, a non-conformance report is issued to the Contractor. Non-compliance with the SWPPP can include penalties as described in Tollway Supplemental Specification Article 280.02(b) which can range from \$200 to \$10,000 per 24-hour period, depending on severity. Additionally, the Tollway Supplemental Specification Article 280.02(b) includes fines of \$25,000 per 24-hour period, should the Contractor not respond to requests from regulatory agencies.

If any inspection identifies the release of pollutants from the project to Waters of the U.S., either due to a rainfall event that exceeds the erosion and sediment control design capacity, or due to improperly installed/maintained erosion and sediment controls, the Contractor is required to initiate immediate corrective action. In addition, an Incidence of Non-Compliance (ION) report is prepared and submitted to the IEPA.

The Tollway requires all NPDES documentation be maintained in the e-Builder filing system. This system also makes all project-specific stormwater documents available to all assigned project staff.

Once construction of a project is complete, a final inspection occurs to determine that all "punch list" items have been satisfactorily addressed (including any items related to drainage, erosion control, and landscaping) and that the project has been completed to the satisfaction of the Tollway.

Article 104.06 of the Tollway Supplemental Specifications describes the removal and disposal of waste materials from construction sites, including the restoration of the work area. The right-of-way, stream channels and banks within the right-of-way or affected by the work at drainage structures, borrow pits, other structures, and all areas occupied by the Contractor in connection

with the work are required to be cleaned of all rubbish, excess materials, false work, temporary paving, temporary structures, and equipment. If at any time an unknown hazardous waste product is discovered, the Contractor must control access to the site, take immediate steps to prevent migration of waste off-site, and have the material removed by a licensed contractor.

2019-2020 Compliance with Permit Conditions:

- a. Regulatory Control Program (BMP No. D.1)
 - 1. All projects under construction during the March 2019 to March 2020 reporting period with one acre or more disturbed area have the required NPDES documentation based on an audit of the e-Builder filing system.
 - 2. All projects with ILR10 permit coverage have a Notice of Termination (NOT) filed post-construction following attaining a minimum 70 percent uniform vegetative cover over the area of disturbance. Refer to Appendix E for a list of construction projects which were completed during the March 2019 to March 2020 reporting period and an NOT was filed with the IEPA.
 - 3. Copies of NOI and SWPPP documents for current Tollway construction projects are provided on the Tollway's website.
 - 4. A copy of this Annual NPDES Report will be placed on the Tollway website.
- b. Erosion and Sediment Control BMPs (BMP No. D.2)
 - 1. The Tollway has updated its *Erosion Control and Landscape Manual* and Erosion and Sediment Control Standard Drawings. The updated manual and standard drawings were issued in March 2020.
 - 2. For each construction project with greater than one acre of land disturbing activities, inspections of erosion and sediment control Best Management Practices (BMPs) by the CM and Contractor are required on a weekly basis as well as after a 0.5" rainfall event. An audit was conducted on the Tollway's e-Builder filing system for the March 2019 to March 2020 reporting period. Regular inspections were demonstrated by the filed A-38 Forms. When an erosion or sediment control BMP requires maintenance or replacement, the Contractor is advised to take corrective action. The BMP maintenance needs and timeframe for repairs are identified on the A-38 Forms. An audit of the filed A-38 Forms for the period from March 2019 to March 2020 confirmed the implementation of required BMP maintenance activities.
 - 3. The Tollway continues to utilize a team of qualified Independent SESC Inspectors to inspect the various construction projects for erosion and sediment control and NPDES requirements. A kick-off meeting/training session with the Independent SESC Inspection

team was conducted on March 20, 2019 to review the key changes to the ILR10 permit conditions, the March 2019 *Erosion Control and Landscape Manual*, and to discuss the procedures for implementation of the inspection program. Refer to Appendix E for a record of Independent SESC Inspector assignments for the March 2019 to March 2020 reporting period.

- c. Other Waste Control Programs (BMP No. D.3)
 - 1. Waste removal and restoration of the work area upon completion of the work is ensured through the completion of final inspection and development of Punch Lists. Refer to Appendix E for projects during the March 2019 to March 2020 reporting period that were finalized and have punch lists documenting that restoration has occurred.
- d. Site Plan Review Procedures (BMP No. D.4)
 - 1. A review of Erosion and Sediment Control Plans on e-Builder for projects active during the March 2019 to March 2020 reporting period indicates each plan was approved by an Licensed Professional Engineer. Documentation of plan reviews completed by Tollway staff and the Tollway's General Engineering Consultant are filed in e-Builder.
 - 2. A review of e-Builder determined that Pre-Construction and Erosion Control Pre-Construction Meetings discussing NPDES requirements were conducted for projects resulting in one acre or more of disturbance. Refer to Appendix E for a record of meetings that occurred during the March 2019 to March 2020 reporting period.
- e. Site Inspection/Enforcement Procedures (BMP No. D.6)
 - 1. Inspection of construction sites, and proper documentation of erosion and sediment control items, are required on a weekly basis, as well as after a 0.5" rainfall event. The A-38 Form is required to be completed for each inspection and filed within the Tollway's electronic project files (e-Builder). Review of inspection records confirm the completion of weekly and precipitation inspections. When any erosion and sediment control failures or maintenance needs are noted, the Contractor is advised to take corrective action. Follow-up inspections are performed to confirm that corrective actions were taken. In instances when erosion and sediment control failures or maintenance issues are not addressed, a non-conformance report is issued which may include an assessment of fines against the Contractor. Refer to Appendix E for a record of compliance with inspection requirements for the March 2019 to March 2020 reporting period.
 - 2. There were nine (9) IONs issued on construction projects during the March 2019 to March 2020 reporting period. Corrective actions were taken on all erosion/sediment control failures and reports of the incidents were submitted to the IEPA. Refer to Appendix E for a record of projects where an ION had occurred and was reported to IEPA.

3. A final inspection following all construction projects is required to confirm that all prior punch list items have been satisfactorily addressed, and that the project is acceptable to the Tollway. This inspection confirms that temporary erosion and sediment control BMPs have been removed, the project area is not experiencing any erosion, and all construction waste has been removed. Refer to Appendix E for a record of contracts which were completed during the March 2019 to March 2020 reporting period, and have completed punch lists.

E. Post-Construction Stormwater Management

The Tollway implements structural and non-structural BMPs for post-construction projects to reduce the discharge of pollutants and the volume and velocity of stormwater flow to the maximum extent practicable.

The Tollway's primary method for post-construction control is through the required use of the *Drainage Design Criteria Manual*, the *Erosion Control and Landscape Manual*, and the Annual Inspection Program. These manuals require a drainage design that improves water quality and reduces the volume and velocity of stormwater flow.

The Tollway's *Drainage Design Criteria Manual* and the *Erosion Control and Landscape Manual* have been amended to instruct design engineers to design stormwater plans that ensure natural features are preserved, including natural storage and infiltration characteristics, preserve existing natural streams, convey stormwater in open vegetated channels, and construct structures that provide both quantity and quality control (in order of preference).

As part of the Annual Inspection Program, all drainage structures and stormwater management components are inspected, recommendations for needed repairs or maintenance are made, priorities are set for each non-conforming item, and work orders are generated for repairs. This process is facilitated through the use of an asset management software program. This software program records documentation of existing conditions through the use of drop-down menus, stores photographs taken, provides standard repair methods through drop down menus and provides for notes. Upon completion of the inspections, the software generates a report which is forwarded to the appropriate entities for the development of work orders for the Maintenance Facilities or for generating contract documents.

The Tollway's roadway design criteria require that the 50-year storm event not exceed stormwater elevations less than three feet below the edge of pavement, and that the edge of pavement will not be overtopped for a 500-year storm event. These criteria are more stringent than those followed by other transportation agencies. These criteria also provide an additional factor of safety with respect to potential increases in precipitation due to climate change.

Other stormwater components that accommodate climate change are the Tollway's design for detention basins and storm sewers. Tollway detention basins are designed to have a minimum of two feet of freeboard to the top of berm, making the basins amendable to allowing additional detention storage with a minor adjustment to the overflow and outlet control structures. Storm

sewers are designed to accommodate a 50-year storm event, as compared to the regional standard of a 5 or 10-year storm event. Thus, additional conveyance provided beyond the regional standard is already accommodated, providing a design factor of safety with respect to potential climate change impacts.

The rainfall data used by the Tollway is contained within Bulletin 70, which was published in 1989. Since then, the National Ocean and Atmospheric Administration has published Atlas 14, which in general has reduced the 100-year rainfall rate in this region as compared to Bulletin 70. The Tollway continues to utilize Bulletin 70 for precipitation data, as it is more conservative resulting in more stormwater storage that can accommodate climate change, as compared to using Atlas 14.

The Tollway has developed and implemented a program to minimize the volume of stormwater runoff and pollutants from its roadways. This program is composed of multiple components, including the bioswale program, the chloride reduction program, and annual training.

As discussed in Section II.B of this report, State Chloride Standards, the Tollway collects weather data via a contracted professional meteorological service, pavement sensors, and weather sensors on bridges to determine the level of deicing needed, which may vary across the system, in order to effectively control roadway conditions while minimizing the use of chlorides. The Tollway has a regularly scheduled system-wide roadway surface sweeping program for pollution control, as well as aesthetics.

2019-2020 Compliance with Permit Conditions:

- a. Regulatory Control Program (BMP No. E.2)
 - 1. The March 2019 to March 2020 Annual Outfall Inspection Program identified one location on I-94 near Libertyville that has high alkaline leachate at underdrain outlet. A work order was issued I-90 near M.P. 4.2 that had excessive vegetative debris partially blocking the culverts under the roadway. A work order was issued for the removal and disposal of the leachate, and site restoration with topsoil, seed and blanket.
- b. Long Term O & M Procedures (BMP No. E.3)
 - 1. The Tollway continues to implement its roadway sweeping and drainage system cleaning program. Solids removed from the roadway by Tollway maintenance staff are stored at the respective maintenance facility and properly disposed off-site by an outside contractor. The roadway sweepings are disposed of on a regular basis, depending on the quantity of accumulated material. Catch basins and other drainage system components are subject to periodic cleaning by outside contractors. Material removed from the cleaning operations are properly disposed of off-site.
 - 2. The Tollway continually reviews its application rate of rock salt with respect to roadway conditions and storm severity. In general, an average application rate setting of 300

pounds per lane mile is used, but rates ranging between 100-500 pounds per lane mile are also used depending on the severity and duration of the storm, and traffic and road conditions.

- 3. The Tollway has two mobile brine making systems and liquid storage tanks at each Maintenance Facility that provide all maintenance yards the ability to pre-wet rock salt prior to use. Pre-wetting reduces the bounce (and therefore scatter) of rock salt that can reduce the amount of rock salt needed to effectively treat the road surface by up to 25%. Pre-wetting also 'jump starts' the dissolving of rock salt, which results in more rapid deicing and is used when temperatures are below 20-15 degrees (F) to break up snow/ice.
- 4. The Tollway also utilizes a liquid brine solution to provide greater ability to manage the roadway system under adverse conditions for which standard management practices are not effective, such as but not limited to, sub 15° Fahrenheit air and pavement temperatures, which reduces reliance on rock salt.
- 5. The Tollway has contracted with a professional meteorological service, Weather Command, a private forecasting company that provides the Tollway with location specific predictions and conditions. Accurate weather information helps maintenance personnel better prepare a plan for deicing activities for each pending storm event. Pavement sensors strategically located along the 294 miles of the Tollway monitor pavement conditions in real time to better facilitate more efficient and targeted application of deicing substances.
- 6. The Tollway conducted a study to determine the effectiveness of bioswales to minimize the volume of stormwater runoff and pollutants from public highways. The bioswale program is discussed in detail under BMP No. B.1. Based on this five-year study, it is known that bioswales reduce turbidity (a measure of TDS) by 35 to 76 percent, specific conductivity (a measure of TTS and chlorides) by 23 to 97 percent, up to 30 percent of the stormwater by volume, and up to 71 percent reduction in roadway metals of interest. Based on this study, the Tollway has developed standard drawings for bioswales and is preferentially installing them where possible. Bioswales have been installed as part of the ongoing construction of the Elgin-O'Hare Tollway (IL-390), and are also being considering in the planning and design for the new I-490 project.
- 7. Annual training for Tollway employees, in particular those employees that work at the Maintenance Facilities and are responsible for maintaining the roadways, began in 2016. The training program includes topics related to stormwater pollution reduction, operations of storage yards, deicing material handling and use, proper disposal of street cleaning debris, proper storage of erodible material, green infrastructure (primarily the maintenance and repairs of bioswales and wetland detention ponds), aquatic habitat, management of pesticides and fertilizers, erosion and sediment control, ditch maintenance, etc. Representative from each maintenance section attended the annual winter meetings in October 2018 to obtain training on the use of materials for deicing. Additionally, representative from Maintenance Sections M-4, M-5 and M-16 have

attended various meetings to discuss the maintenance and monitoring of bioswales and the function of post-construction BMPs. In addition, the Maintenance Section Manager and/or Supervisor who participated in the 2018 Annual Maintenance Facility SWPPP Inspections completed in May/June 2018 were provided with real-time training on stormwater pollution reduction, operations of storage yards, deicing material handling, storage and disposal of street cleaning debris, and storage of erodible material.

- 8. The Tollway's policy for material and runoff control at fueling stations and storage facilities requires that all Maintenance Facilities have absorbent materials (Oil Dry®) onsite and available during all shifts for any spills that may occur. Additionally, the Tollway Help Trucks, which help drivers who have requested roadside assistance, have sand, No Flash® (for gasoline spills), BioSolve® (for diesel spills), and absorbing pillows.
- c. Pre-Construction Review of BMP Designs (BMP No. E.4)
 - 1. A review of e-Builder determined that Pre-Construction and Erosion Control Pre-Construction Meetings discussing NPDES requirements were conducted for projects that would result in one acre or more of disturbance. Refer to Appendix E for a record of meetings that occurred during the March 2019 to March 2020 reporting period.
 - 2. The rehabilitation of the central portion of the Tri-State Tollway (I-294) is currently under design, and several advanced contracts began construction in 2019. The early design efforts are utilizing the Tollway's INVEST program to generate design items that enhance sustainability. Among other initiatives, the Central Tri-State Program is incorporating stormwater storage that can accommodate increased stormwater volume that may occur as a result of climate change. In particular, the Central Tri-State Program is designing stormwater storage for 100-year storm events, which exceed current regional stormwater storage design requirements.
 - 3. Permanent stormwater BMPs have been incorporated into the recently completed widening of the Jane Addams Memorial Tollway (I-90) and the on-going construction of the Elgin-O'Hare Tollway (IL-390). Because the reconstruction/construction of these facilities results in an increase in the amount of impervious surface in their respective watersheds, the Tollway is constructing extensive stormwater management features to improve water quality prior to discharging it to downstream waterways by maximizing stormwater filtering and infiltration. The intent, to the extent possible, is to pass all stormwater through at least one BMP prior to discharging from the Tollway right-of-way. In most cases, stormwater will pass through several BMPs, aligned as a treatment train, to capture pollutants and promote infiltration of runoff.
- d. Site Inspections During Construction (BMP No. E.5)
 - 1. During the March 2019 to March 2020 reporting period, erosion and sediment control inspections were conducted at all construction projects that disturbed one acre or more of

land. Documentation has been filed in the Tollway's electronic files (e-Builder). Refer to Appendix E for a record of construction projects with completed A-38 Forms.

2. Post Construction Inspections (BMP No. E.6)

- 1. A punch list is prepared near the end of a construction project listing work not conforming to contract specifications that the Contractor must complete prior to final payment. A final inspection occurs to determine that all punch list items have been satisfactorily addressed (including any items related to drainage, erosion control, and landscaping) and that the project has been completed to the satisfaction of the Tollway. Refer to Appendix E for a list of construction projects which were completed during the March 2019 to March 2020 reporting period and have had completed punch lists and NOTs filed with the IEPA.
- 2. Post-construction monitoring of vegetated bioswales, vegetated bioswale ditches, naturalized detention basins, and compensatory storage areas installed during the reconstruction of I-90 from Route 31 (IL 31) in Kane County to River Road in Cook County continued during the 2018 monitoring and maintenance season. In total, a total of 126 Best Management Practice (BMP) sites were monitored and maintained. A monitoring report was prepared and submitted to the U.S. Army Corps of Engineers in February 2019 to track the success of native planting development over the establishment period, summarize maintenance activities performed, and document any erosion and sedimentation, water level or drainage concerns. The Tollway initiated a vegetative restoration effort during 2018 which included invasive species control and seeding and planting with native species at a number of locations. Spot-treatment and maintenance mowing were recommended and will be performed in 2019. In addition, recommendations to resolve identified erosion and drainage issues will also be performed in 2019. A copy of the report can be obtained by contacting the Tollway Environmental Unit at (630) 241-6800 ext. 4872.
- 3. Within the completed portion of the Elgin-O'Hare (I-390) from Lake Street (US Route 20) to the west side of IL-83 (Kingery Highway), a total of 22 bioswales, 31 wetland detention basins and one (1) infiltration area were monitored and maintained during the 2018 monitoring and maintenance season. The 2018 weed control program focused on reducing the presence of invasive species. Invasive weeds were treated via selective herbicide application, hand-wicking, and seed head removal within the monitoring areas. Minor erosion or sedimentation issues along with vehicle rutting were identified at select locations during the 2018 monitoring and maintenance season. All identified deficiencies will be addressed in the Spring 2019. A copy of the report can be obtained by contacting the Tollway Environmental Unit at (630) 241-6800 ext. 4872.

F. Pollution Prevention/Good Housekeeping

The ILR40 Permit requires annual training for operations and maintenance staff and contractors as discussed in General NPDES Permit No. ILR40, Part IV.5. Maintenance Facility staff are

trained annually, as well as contractors, in conjunction with the annual updates of the Tollway's *Erosion and Sediment Control Landscape Design Criteria Manual* and Erosion and Sediment Control Standard Drawings. Additionally, Maintenance Facility staff are provided with annual training on various pollution prevention and good housekeeping topics.

The Tollway Maintenance Facilities minimize the discharge of pollutants to stormwater in a variety of ways. Vehicle washing currently occurs within the maintenance buildings, with wash water discharged to sanitary sewers. New Tollway Maintenance Facilities are being designed with stand-alone vehicle washing buildings. Erodible material stockpiles, such as street sweepings or asphalt grindings, are managed outdoors, but in a manner that minimizes the material entering the storm sewers. These stockpiles are inspected annually as part of the SWPPP inspections to confirm that material is not being released to outside of the right-of-way, or to Waters of the U.S. Deicing material is stored in a permanent structure, and other chemicals, herbicides, and pesticides are stored inside the Maintenance Facilities. All flammable or reactive chemicals are stored in a metal fire safe locker. The annual SWPPP inspections undertaken at each Maintenance Facility confirm that these chemicals are stored appropriately.

As recommended by the IEPA in 2010, a stormwater pollution prevention plan (SWPPP) for the Tollway's Maintenance Facilities was prepared in 2012 in general accordance with the requirements of the IEPA National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges from Industrial Activities, Permit No. ILR00. Per the SWPPP, inspections occur annually, reports are generated, and recommendations for corrective actions made.

The SWPPP established a Pollution Prevention Team, an inventory of potential pollutants with an assessment of risk of exposure to stormwater, a set of preventive maintenance and mitigative measures for controlling pollution via stormwater, elimination of any non-stormwater discharges into the stormwater system, an employee training program, and an inspection and record-keeping process. In compliance with the SWPPP, the Tollway's Maintenance Facilities are formally inspected annually by the Tollway GEC, accompanied by the Facility Manager for each facility. The annual comprehensive site inspection and evaluation is performed during dry weather to evaluate the effectiveness and adequacy of the requirements contained within the SWPPP. Inspections verify that the site drainage conditions and potential pollution sources identified in the SWPPP remain accurate and that the BMPs prescribed in the SWPPP are being implemented, properly operated, and adequately maintained.

2019-2020 Compliance with Permit Conditions:

- a. Employee Training Program (BMP No. F.1)
 - 1. Tollway employees charged with pesticide spraying are licensed for proper rate and location applications. The Tollway maintains NPDES Permit No. ILG870228 for the application of pesticides. The Tollway's use of pesticides remains below the threshold that requires recordkeeping and annual reporting related to the pesticide permit.

2. The Tollway updated its *Erosion and Sediment Control Landscape Design Criteria Manual* and *Drainage Design Manual* in March 2019. In support of these releases, the Tollway conducted a training session on April 5, 2019 for Tollway employees, Design Engineers, and Construction Managers who work on Tollway projects. This training session also highlighted the latest BMP technologies supported by the Tollway.

Representative from each maintenance section attended the annual winter meetings in October 2018 to obtain training on the use of materials for deicing. Additionally, representative from Maintenance Sections M-4, M-5 and M-16 have attended various meetings to discuss the maintenance and monitoring of bioswales and the function of post-construction BMPs. In addition, the Maintenance Section Manager and/or Supervisor who participated in the 2018 Annual Maintenance Facility SWPPP Inspections completed in May/June 2018 were provided with real-time training on stormwater pollution reduction, operations of storage yards, deicing material handling, storage and disposal of street cleaning debris, and storage of erodible material

b. Inspection and Maintenance Program

- 1. The Tollway continues to implement its annual inspection and maintenance program for its maintenance facilities in accordance with the Maintenance Facility SWPPP. The annual inspections of the Tollway Maintenance Facilities occurred during the reporting period in May/June 2018. Reports were generated and recommendations for corrective measures or other actions were provided to the Maintenance Facilities. A summary report, including individual reports for each facility, can be found in Appendix F.
- 2. In addition to the above annual inspections, routine inspections are conducted by facility personnel on a daily basis during their regular work duties.

c. Municipal Operations Storm Water Control

- 1. The Tollway continues to implement its annual inspection and maintenance program for its maintenance facilities in accordance with the Maintenance Facility SWPPP. The annual inspections of the Tollway Maintenance Facilities occurred during the reporting period in May/June 2018. Reports were generated and recommendations for corrective measures or other actions were provided to the Maintenance Facilities. A summary report, including individual reports for each facility, can be found in Appendix F.
- 2. All construction projects that began during the March 2018 to March 2019 reporting period have been reviewed for conformance with the stormwater control regulations required by the Tollway's *Drainage Design Manual*.
- 3. The Tollway is continuing a program to reduce the use of chlorides system-wide, based on recommendations made by Dr. Wilfred Nixon. Refer to Section II.B for a complete description.

- 4. The Tollway had undertaken a study to determine the effectiveness of treating stormwater from roadway runoff through the use of bioswales (Refer to Section III.A). Results indicate that bioswales can be very effective at treating stormwater runoff, and the Tollway developed standards for bioswale construction. These standards are being used for the ongoing construction of the Elgin-O'Hare Tollway (IL-390) and are being incorporated into designs for the new I-490Tollway.
- 5. The Tollway is continuing to implement the provision of its *Waste Management Manual* which was updated in 2016. New practices and procedures include: vehicle wash water is not allowed to infiltrate into the ground, salt storage occurs only in permanent structures, salt loading/unloading is performed to minimize the potential contact with stormwater, salt loading areas are located away from storm drains to the furthest extent possible, and spilled salt is returned to the salt dome in a timely manner.
- 6. The Tollway is continuing construction of the Elgin-O'Hare Tollway (IL-390), which will provide transportation improvements in the vicinity of O'Hare International Airport. In order to reduce chloride loads to the Des Plaines River drainage basin, IGAs have been developed to assist the surrounding communities in reducing the amount of de-icing salt that is used. Refer to Section II.B for a complete description.
- 7. The Tollway is a member of the DuPage River Salt Creek Workgroup (DRSCW) and participates in its meetings and activities. The DRSCW has a robust chloride reduction program in which the Tollway participates. Refer to Appendix C which itemizes activities that took place during the March 2017 to March 2018 reporting year.

d. Municipal Operations Waste Control

- 1. The Tollway Maintenance Facilities inspections include assessment of waste handling and management practices to identify conditions or practices that could potentially result in impacts to stormwater or result in an illicit discharge. The inspections also include assessment of drainage ditches and stormwater outlets for evidence of illicit discharges, including those which may be the result of improper waste management practices. The annual inspections of the Tollway's Maintenance Facilities occurred in May/June of 2018. Reports were generated and recommendations for corrective measures or other actions, including those pertaining to waste control, were provided to the Maintenance Facilities. A summary report, including individual reports for each facility, can be found in Appendix F.
- 2. Hazardous and other regulated wastes and materials are removed from Maintenance Facilities by private contractors authorized and licensed to handle and dispose of such materials, including, but not limited to, used motor oil, paints, cleaning solvents, used antifreeze, and used batteries. Waste management policies remain in place, with waste materials removed from Maintenance Facilities on a regular basis, generally once every 30 to 60 days.

IV. Monitoring, Recordkeeping, and Reporting

A. Monitoring

The Tollway has developed a monitoring program that assesses the effectiveness of its BMPs while not creating an unnecessary burden on its manpower and cost. Because the Tollway's system covers 294 miles, an annual inspection of every outfall is impractical. Thus, the Tollway has divided its system into fifths, with one-fifth of the system inspected every year. Utilizing this method, the entire Tollway system is inspected every five years.

The Tollway has identified seven (7) percent of its outfalls are determined to be sensitive; these outfalls are inspected annually. The sensitive outfalls were identified through a process where all of the Tollway's outfalls were mapped in an asset management system along with parameters that would indicate the sensitivity of an outfall. These sensitivity parameters included impaired waters, waters with TMDLs, waters with approved watershed plans, waters adjacent to Natural Areas Inventory or Nature Preserve sites, waters adjacent to county forest preserve units, waters adjacent to National Wetland Inventory wetlands, and waters identified as Biologically Significant or given a rating of A or B for diversity or integrity. Using the asset management system, each sensitivity parameter was given a score of 1 and sensitivity parameters were added together to identify outfalls with the highest scores. For simplicity's sake, each sensitivity parameter was given equal importance in determining the sensitive outfalls, although some adjustments of the sensitivity parameter score were made based on distance from the Tollway right-of-way.

In addition to the two outfall inspection programs discussed above, the Tollway has also conducted an evaluation of the effectiveness of its BMPs. By supplementing its monitoring program with effectiveness evaluations, the Tollway is confident that its monitoring program is an accurate evaluation of the effectiveness of its BMPs.

1. Evaluation of the Effectiveness of BMPs Based on Research

The BMPs utilized by the Tollway for stormwater management have been determined to be effective based on monitoring and scientific studies, including the Tollway's bioswale study (discussed in the section discussing General NPDES Permit No. ILR40, Part IV.B.1). Additionally, the design criteria contained in the Tollway's *Erosion and Sediment Control Landscape Design Criteria Manual*, the Tollway's *Drainage Design Manual*, and the *Urban Manual*, which are required for Tollway projects, are based on rigorous testing requirements and have been inspected and determined to be effective under actual field and operational conditions.

The Tollway utilizes three primary BMPs to maintain water quality - naturalized detention ponds, vegetated roadside ditches, and bioswales. These BMPs provide water quality improvements by slowing runoff to facilitate the settlement of sediments, promote infiltration, filter pollutants, and allow for vegetative uptake of pollutants. The Tollway's stormwater basins and bioswales have been inventoried and incorporated into the Tollway's asset management system. Additional bioswales are being incorporated into construction of the Elgin- O'Hare

Tollway (IL-390) and new I-490Tollway, and these locations will be included in the inventory upon completion of their construction.

Stormwater pollutants most often associated with highways include TSS, TDS, chlorides, and heavy metals (particularly chromium, copper, lead, nickel, and zinc). The Tollway has researched the ability of its BMPs to reduce impacts from roadways related to these parameters in its stormwater runoff. The table below summarizes this research.

	Evaluation of BMPs Estimated Effectiveness (Based on Published Research)							
BMP	Pollutant	Effectiveness	Resource					
Vegetated Channels/ Ditches	TSS	Removal effectives of vegetated medians and filter strips for suspended solids is 65 to 70 percent	Barrett, Michael E., Patrick Walsh, Joseph Walsh, Randall Charbeneau (1998). Performance of Vegetative Controls for Treating Highway Runoff (Online) Available at: http://ascelibrary.org/doi/pdf/10.1061/(ASCE)0733-9372(1998)124:11(1121)					
	Heavy metals and TSS	Retained in soil within ditches, proportional to amount of TSS is removed. Average TSS removed is 72 percent. Heavy metals removals: copper up to 60 percent, lead up to 90 percent, zinc up to 50 percent	Kearfott, Pamela J., Michael Barrett, Joseph Malina, Jr. (2005) Stormwater Quality Documentation of Roadside Shoulders Borrow Ditches (Online) Available at: http://www.texaslid.org/pdfs/Barrett2005_Ditches.pdf					
	TSS, metals, hydrocarbons (oil & grease)	Removal efficiency of TSS up to 80 percent; metals, hydrocarbons, oil & grease adsorb to TSS and are removed with TSS	State of Oregon Department of Environmental Quality (2001). Best Management Practices for Stormwater Discharges Associated with Industrial Activities					

	Evaluation of BMPs Estimated Effectiveness (Based on Published Research)						
BMP	Pollutant	Effectiveness	Resource				
Vegetated Detention Basins		Treats first flush	Pennsylvania Environmental Council (2005). Improving Stormwater Detention Basins for Better Stormwater Management (Online) Available at: https://wrrc.arizona.edu/sites/				
	Heavy metals	Vegetated detention basins remove heavy metals	Hares, R.J., N.I. Ward (1999). Comparison of the heavy metal content of motorway stormwater following discharge into wet biofiltration and dry detention ponds along the London Orbital (M25) motorway. Science of the Total Environment, Volume 235, Issue 1-3				
	Solids	Detention basins effective at the removal of solids	Ferrara, Raymond, A.M. Asce, and Patrick Witkowski (1983), Stormwater Quality Characteristics in Detention Basins. Journal of Environmental Engineering, Volume 109, Issue 2				
	TSS	Detention ponds effective at removing pollutants associated with particles but not dissolved	Pettersson, Thomas (1998). Water quality improvement in a small stormwater detention pond. Water Science and Technology, Volume 38, Issue 10				
	Copper, lead, TSS	Copper and lead removed at 43 to 85 percent efficiency	Revitt, D.M., R.B.E. Shutes, R.H. Jones, M. Forshaw, B. Winter (2004). The performances of vegetative treatment systems for highway runoff during dry and wet conditions. Science of the Total Environment, Volumes 334-335				

	Evaluation of BMPs Estimated Effectiveness (Based on Published Research)						
ВМР	Pollutant	Effectiveness	Resource				
Bioswales	TSS, metals, hydrocarbons (oil & grease)	Removal efficiencies: TSS: 83 to 92 percent Lead: 67 percent Copper: 46 percent Zinc and aluminum: 63 percent Oil/grease: 75 percent	State of Oregon Department of Environmental Quality (2001). Best Management Practices for Stormwater Discharges Associated with Industrial Activities				
	TSS	26 to 77 percent efficiency at removing TSS	Groves, William, Phillip Hammer, Karinne Knutsen, Sheila Ryan, Robert Schlipf (1999). Analysis of Bioswale Efficiency for Treating Surface Runoff. (Online) Available at: http://www.bren.ucsb.edu/resear-ch/finaldocs/1999/bioswale.pdf				
	Turbidity	Turbidity reduced from 35 to 76 percent	Ackerman, Jessica, Colleen Long, Jame Miner, Keith Carr, Kathleen Bryant, Eric Plankell. (2016) Reductions in Turbidity and Specific Conductivity in Runoff Treated by Bioswales Along I-294 in Northern Cook County, , State Geological Survey, Prairie Research Institute, University of , Champaign,				
	Specific Conductivity (indicative of chlorides)	Specific conductivity reduced 23 to 97 percent	Ackerman, et al (2016)				
	Specific Conductivity	Specific conductivity strongly correlated to TSS and chlorides	Ackerman, et al (2016)				

DMD	(Based on Published Research)							
BMP	Roadway metals of interest (chromium, copper, lead,	Metals of interest reductions of 71 percent	Plankell, Eric, James Miner (2016) Total Recoverable Meta in Bioswale Soils Along I-294 in Northern Cook County, , State Geological Survey, Prairie					
	nickel, and zinc) Total Metals	Total roadway metals reduced 59 to 81 percent	Research Institute, University o , Champaign, Plankell, et al (2016)					
	TSS	TSS reduced by 63 to 70 percent	Miner, James, Kathleen Bryant, Keith Carr, Jessica Ackerman, Eric Plankell, Colleen Long (2016) Using Bioswales to Improve the Quality of Roadwa Runoff from I-294 in Northern Cook County, , State Geologica Survey, Prairie Research Institute, University of , Champaign,					
	TDS	TDS reduced by 30 to 50 percent	Miner, et al (2016)					
	Chloride	Chloride reduced by 33 to 52 percent	Miner, et al (2016)					
	Nitrate	Nitrate reduced by 25 percent	Miner, et al (2016)					

2. Monitoring the Effectiveness of BMPs

As discussed in the Introduction, the Tollway's inspection program for the protection of stormwater quality and identification of illicit discharges has three key components. These components consist of annual outfall inspections conducted on one-fifth of the Tollway system and all sensitive outfalls, its annual inspection program, and regular inspections by the Tollway

Maintenance Staff. Because the Tollway is considered a small MS4, the outfall inspections consist of visual observations of stormwater for color, odor, foam, oil sheens, or other obvious indicators of illicit discharges. The results of the Tollway monitoring program are discussed in Section III of this report.

B. Recordkeeping

The Tollway keeps records of all NPDES documentation, including the MS4 NOI, ILR10 NOIs, SWPPPs, A-38 Forms, IONs, illicit discharges, NOTs, and MS4 Annual Reports for a minimum of five years. The SWPPPs, ILR10 NOI documents, and MS4 Annual Reports are located on the Tollways website. Other NPDES documents are available to the public upon request.

C. Reporting

This document constitutes the March 2019 to March 2020 MS4 Annual Report. A copy of this report will be maintained on the Tollway's website for a period of five years.

D. Stormwater Inspection Activities Planned for 2020

The annual inspection program will be conducted in 2020. These inspections will encompass detection/elimination of illicit discharges including dry-weather screening, identification of water quality issues, erosion and sediment control issues, illegal dumping, and drainage system maintenance issues.

The Tollway will conduct inspections of the stormwater outfalls for detection of non-stormwater discharges and illicit discharges to Waters of the U.S. The inspections will include the annual inspection of the most sensitive outfalls in the system (see Part V, Section A), and one-fifth of the system to ensure that each outfall is inspected at least once during the NPDES MS4 permit cycle. Outfall inspections for 2020 will consist of:

- The most sensitive of the Tollway's outfalls (7 percent of the system)
- One-fifth of the Tollway system.

I-294, MP 0.5 - 42.7 I-94, MP 10.5 - 28.6 I-90, MP 4.2 - 59.1 I-88, MP 124.7-129.7

Annual inspections will occur for all of the Maintenance Facilities and Salt Domes for compliance with the Facility SWPPP.

Construction activities planned for 2020 are summarized in Appendix G. All construction projects that disturb one acre of land or more will be subject to erosion and sediment control inspections in accordance with the ILR10 permit.

The Tollway will continue to update its drainage system mapping as reconstruction and rehabilitation projects are completed, and remaining sections of the Elgin-O'Hare Tollway and the new I-490 are completed.

E. Results of Information Collected and Analyzed

The March 2018 to March 2019 Annual Outfall Inspection Program identified one location on I-90 near M.P. 4.2 that had excessive vegetative debris partially blocking the culverts under the roadway. A work order was issued, and the debris was removed by Tollway Maintenance staff.

The Annual Outfall Inspection Program identified 27 locations that had minor to notable erosion. Work orders for minor erosion repair, restoration of roadside slopes, and structural and non-structural repairs to repair and prevent further occurrences were issued. None of the identified issues represented an illicit discharge.

The Annual Inspection Program did not identify any evidence of illicit discharges.

Erosion and Sediment Control standards, specifications and special provisions were included in all applicable construction contracts.

Storm Water Pollution Prevention Plans and Erosion and Sediment Control Plans were included in all applicable contracts.

Erosion Control Preconstruction Meetings were conducted for all contracts covered by an ILR10 NPDES permit.

Notice of Intent (NOI) forms, Weekly and Post-Precipitation Inspection Reports (A-38 forms), Incidence of Non-Compliance (ION) documents, Notice of Termination (NOT) forms, and Post Construction Punch List documents are filed on the Tollway's e-Builder filing system for all contracts covered by an NPDES permit.

F. Changes to Best Management Practices or Measurable Goals

There were no changes to Best Management Practices or Measurable Goals during the March 2019 to March 2020 reporting period.

G. Reliance on Another Governmental Entity to Satisfy Permit Obligations

The Tollway does not rely on any other government agency to satisfy any of the Tollway's permit obligations under General Permit No. ILR40.

Appendix A

Summary of Illinois Tollway Receiving Waters and Storm Water Management Considerations

ILLINOIS TOLLWAY GENERAL NPDES PERMIT NO. ILR40 Summary of Illinois Tollway Receiving Waters with Storm Water Management Considerations

Watershed Name	HUC 10 Watershed	Tollway Location	Impairments	TMDL/s	Watershed Plan's Stormwater Management Requirements	Illinois Tollway Compliance
Great Lakes	/Calumet River					
	Middle Fork, North Branch Chicago River (HUC 0712000301)	I-94 MP 13.75 – 19.0	alteration in stream-side or littoral vegetative covers, aquatic plants (macrophytes), bottom deposits, chloride, DDT, fecal coliform, hexachlorobenzene, DO, phosphorous (total), sedimentation/siltation, TSS	none	none	
	West Fork, North Branch (HUC 0712000301)	I-94 MP 19.0 – 25.5/52	aldrin, alteration is stream-side or littoral vegetative covers, changes in stream depth and velocity patterns, chloride, DDT, endrin, fecal coliform, hexachlorobenzene, DO, phosphorous (total), TSS, fecal coliform	in process of being developed	Per North Branch Chicago River Watershed- Based Plan (2008): use of ESC control measures on construction sites include filter barriers, sediment traps, settling basins, stabilization	The Illinois Tollway complies; these are items required during construction.
	West Fork, North Branch Chicago River (HUC 0712000301)	Edens Spur MP 25.5 - 28	aldrin, alteration is stream-side or littoral vegetative covers, changes in stream depth and velocity patterns, chloride, DDT, endrin, fecal coliform, hexachlorobenzene, DO, phosphorous (total), TSS, fecal coliform	in process of being developed	Per North Branch Chicago River Watershed- Based Plan (2008): use of ESC control measures on construction sites include filter barriers, sediment traps, settling basins, stabilization	The Illinois Tollway complies; these are items required during construction.
	Middle Fork, North Branch Chicago River (HUC 0712000301)	Edens Spur MP 28 – 29.5	alteration in stream-side or littoral vegetative covers, aquatic plants (macrophytes), bottom deposits, chloride, DDT, fecal coliform, hexachlorobenzene, DO, phosphorous (total), TSS, sedimentation/siltation, TSS	in process of being developed	Per North Branch Chicago River Watershed- Based Plan (2008): use of ESC control measures on construction sites include filter barriers, sediment traps, settling basins, stabilization	The Illinois Tollway complies; these are items required during construction.
	Skokie River / Skokie Lagoon (HUC 0712000301)	Edens Spur MP 29.5 - 31	Skokie River: chloride, fecal coliform, DO, phosphorous (total), TSS Skokie Lagoon: aquatic algae, phosphorous (total)	in process of being developed	Per North Branch Chicago River Watershed- Based Plan (2008): use of ESC control measures on construction sites include filter barriers, sediment traps, settling basins, stabilization	The Illinois Tollway complies; these are items required during construction.
	Calumet Sag Channel (HUC 0712000304)	I-294 MP 19.0 – 16.2	mercury, PCBs, iron, DO, TDS	none	none	
	Stony Creek West (HUC 0712999304)	I-294 MP 16.2	meets water quality standards	none	none	
	Chicago Sanitary and Ship Canal (HUC 0712000304)	I-294 MP 15.75 – 5.0	iron, mercury, DO, PCBs, TDS	none	none	
	Mosquito Creek (HUC 0712000304)	I-294 MP 11.5	meets water quality standards	none	none	
	Midlothian Creek (HUC 0712000304)	I-294 MP 10.5 – 7.5	meets water quality standards	none	none	
	Calumet Union Drainage Ditch (HUC 0712000304)	I-294 MP 7.5 – 2.0	meets water quality standards	none	none	
	Little Calumet River South (HUC 0712000304)	I-294 MP 5.0 – 1.0	alterations in stream-side or littoral vegetative covers, chlordane, chloride, endrin, fecal coliform, hexachlorobenzene DO, phosphorous (total), sedimentation/siltation	none	none	

ILLINOIS TOLLWAY GENERAL NPDES PERMIT NO. ILR40 Summary of Illinois Tollway Receiving Waters with Storm Water Management Considerations

Watershed Name	HUC 10 Watershed	Tollway Location	Impairments	TMDL/s	Watershed Plan's Stormwater Management Requirements	Illinois Tollway Compliance
	Thorn Creek (HUC 0712000302)	I-294 MP 2.0 – 0	aldrin, alteration in stream-side or littoral vegetative covers, chlordane, chloride, DDT, dieldrin, endrin, fecal coliform, hexachlorobenzene DO, phosphorous (total), PCBs, fecal coliform	in process of being developed	Per Thorn Creek Watershed Based Plan (2015): Runoff volume reduction through infiltration, such as swales, vegetated filter strips, infiltration trenches and basins. Wet bottom or wetland detention basins, with regular cleaning, and reduced chloride usage.	The Illinois Tollway complies; BMPs are required for stormwater management. Tollway has robust chloride reduction program
Des Plaines	River					
	Des Plaines River Headwaters (HUC 0712000401)	I-94 MP 0.0 – 0.5	aquatic algae, chlorides, fecal coliform, iron, mercury, TSS	none	none	
	Des Plaines River (HUC 0712000403	I-94 MP 0.5 – 5.5	arsenic, mercury, sedimentation/siltation, TSS	none	none	
	Mill Creek (HUC 0712000402)	I-94 MP 5.5 – 6.0	meets water quality standards	none	Per Mill Creek Watershed and Flood Mitigation Plan (2014): reduce and manage stormwater runoff.	The Illinois Tollway complies; stormwater runoff is reduced and managed to the extent possible via detention ponds, ditches, and bioswales.
	Des Plaines River (HUC 0712000403)	I-94 MP 6.0 – 13.75	alteration is stream-side or littoral vegetation covers, arsenic, chloride, fecal coliform, mercury, phosphorus (total), PCBs	none	none	
	Des Plaines River (HUC 0712000405)	I-294 MP 25.5/52 – 47.5	arsenic, changes in stream depth and velocity patterns, chloride, fecal coliform, mercury, methoxychlor, other flow regime alterations, phosphorous (total), TSS, PCBs	none	none	
	Des Plaines River (HUC 0712000405)	I-294 MP 47.5 - 41	alteration in stream-side or littoral vegetative covers, other flow regime alterations, chloride, DO, fecal coliform, mercury, phosphorous (total), PCBs	none	none	
	Willow Creek (HUC 0712000405)	I-294 MP 41- 40	alteration in stream-side or littoral vegetative covers, loss of instream cover, phosphorous (total)	none	none	
	Des Plaines River (HUC 0712000405)	I-294 MP 40- 38.75	chloride, fecal coliform, mercury, DO, phosphorous (total), PCBs, sedimentation/siltation	none	none	
	Crystal Creek (HUC 12000405)	I-294 MP 38.75	meets water quality standards	none	Per Silver Creek Watershed-Based Plan (July 2016): standard BMPs for stormwater, including bioswales, detention basins, vegetated swale. Also calls for the reduction of chloride usage where possible.	The Illinois Tollway complies; BMPs are required during construction. Tollway has robust chloride reduction program.
	Addison Creek/ Salt Creek (HUC 0712000404)	I-294 MP 38.75 - 32	alpha-BHC, alteration in stream-side or littoral vegetative covers, aquatic algae, bottom deposits, copper, hexachlorobenzene, oil and grease, other flow regime alterations, phosphorous (total), visible oil, PCB, sedimentation/siltation	TMDLs for chlorides for Addison Creek	none	

ILLINOIS TOLLWAY GENERAL NPDES PERMIT NO. ILR40 Summary of Illinois Tollway Receiving Waters with Storm Water Management Considerations

Watershed Name	HUC 10 Watershed	Tollway Location	Impairments	TMDL/s	Watershed Plan's Stormwater Management Requirements	Illinois Tollway Compliance
	Salt Creek (HUC 0712000404)	I-294 MP 35.5 – 27.5	total phosphorous, mercury, PCBs, fecal coliform, DDT, heptachlor, sedimentation/siltation, aldrin, methoxychlor, arsenic, hexachlorobenzene, nickel, pH, DO	TMDLs for chlorides for Salt Creek	Per Adaptive Management Plan to Improve Aquatic Life and Implement TMDLs on the Lower Salt Creek Main Stem (2014): chloride reduction should be instituted, include applying liquids, pre-wetting solids, calibration of equipment. No recommendations specific to stormwater.	The Illinois Tollway complies; the Tollway has robust chloride reduction program.
	Flagg Creek (HUC 0712000407)	I-294 MP 27.5 – 22.5	alterations in stream-side or littoral vegetative covers, arsenic, DDT, hexachlorobenzene methoxychlor, phosphorous (total), aquatic algae	none	none	
	Des Plaines River (HUC 0712000407)	I-294 MP 22.5 – 21.0	aldrin, arsenic, chloride, lindane, mercury, methoxychlor, other flow regime alterations, PCBs, fecal coliform, pH, phosphorous (total)	none	none	
	Chicago Sanitary and Ship Canal (HUC 0712000407)	I-294 MP 21.0 – 19.0	DO, phosphorous (total), PCBs, TDS	none	none	
	DuPage River, East Branch (HUC 0712000408)	I-355 MP 30.0 – 28.0	alteration in stream-side or littoral vegetative covers, other flow regime alterations, DO, phosphorous (total), PCBs	none	Per <i>Upper DuPage River Watershed Plan</i> (2007 update): reduction in chloride usage by using anti-icing or pre-wetting techniques with road salting.	The Illinois Tollway complies; the Illinois Tollway has robust chloride reduction program.
	DuPage River, East Branch (HUC 0712000408)	I-355 MP 28.0 – 24.0	alterations in stream-side or littoral vegetative covers, aquatic algae, arsenic, dieldrin, hexachlorobenzene, methoxychlor, other flow regime alterations, DO, pH, phosphorous (total), PCBs, siltation/sedimentation, TSS	TMDLs for chlorides	Per <i>Upper DuPage River Watershed Plan</i> (2007 update): reduction in chloride usage by using anti-icing or pre-wetting techniques with road salting.	The Illinois Tollway complies; the Illinois Tollway has robust chloride reduction program.
	DuPage River, East Branch (HUC 0712000408)	I-355 MP 24.0 – 20.0	alterations in stream-side or littoral vegetative covers, arsenic, dieldrin, hexachlorobenzene, methoxychlor, PCBs, fecal coliform	TMDLs for chlorides	Per <i>Upper DuPage River Watershed Plan</i> (2007 update): reduction in chloride usage by using anti-icing or pre-wetting techniques with road salting.	The Illinois Tollway complies; the Illinois Tollway has robust chloride reduction program.
	St. Joseph Creek (HUC 0712000408)	I-355 MP 20.0 – 18.3	alterations in stream-side or littoral vegetative covers, aquatic algae, oil and grease, other flow regime alterations, DO, TSS	TMDLs for chlorides	Per Draft St. Joseph Creek Watershed-Based Plan (2007 update): green infrastructure, including infiltration practices (bioswales), detention basins with wetland shelves, native vegetation, and/or wetland bottoms; and oil and grit separators.	The Illinois Tollway complies; BMPs are required for stormwater management, including bioswales, detention basins with wetland edges, native vegetation, and wet bottom detention basins.
	Prentiss Creek (HUC 0712000408)	I-355 MP 18.3 – 15.5	meets water quality standards	none	none	
	Lily Cache Creek (HUC 0712000408)	I-355 MP 15.5 – 12.5	impaired for aquatic life, cause unknown	none	none	
	Des Plaines River (HUC 0712000407)	I-355 MP 12.5 – 10.0	alterations in stream-side or littoral vegetative covers, aquatic algae, chloride, mercury, other flow regime alterations, pH, phosphorous (total), PCBs, fecal coliform	none	none	
	Chicago Sanitary and Ship Canal (HUC 0712000407)	I-355 MP 12.5 – 10.0	alterations in stream-side or littoral vegetative covers, aquatic algae, chloride, mercury, other flow regime alterations, pH, phosphorous (total), PCBs, fecal coliform	none	none	

ILLINOIS TOLLWAY GENERAL NPDES PERMIT NO. ILR40 Summary of Illinois Tollway Receiving Waters with Storm Water Management Considerations

Watershed Name	HUC 10 Watershed	Tollway Location	Impairments	TMDL/s	Watershed Plan's Stormwater Management Requirements	Illinois Tollway Compliance
	Long Run (HUC 0712000407)	I-355 MP 6.5 – 4.3	meets water quality standards	none	Long Run Creek Watershed-Based Plan (3/2014): naturalized detention basins, bioswales, buffer strips, and more frequent street sweeping.	The Illinois Tollway complies; BMPs are required for stormwater management, including bioswales and detention basins; street sweeping is conducted regularly by the maintenance yards.
	Fiddyment Creek (HUC 0712000407)	I-355 MP 6.5 – 4.3	sedimentation/siltation, phosphorous (total)	none	none	
	Fraction Run (HUC 0712000407)	I-355 MP 4.3 – 3.0	meets water quality standards	none	none	
	Spring Creek (HUC 0712000406) I-355 MP 3.0 – 0.0 DO, phosphorous (total), sedimentation/siltation, visible oil none Hickory Creek Watershed-Based to (3/2014): green infrastructure, inclustormwater retrofits, and a reductive chloride use (alternative deicing of pre-treatment of road surfaces with the control of the c		Hickory Creek Watershed-Based Plan (3/2014): green infrastructure, including stormwater retrofits, and a reduction in chloride use (alternative deicing chemicals, pre-treatment of road surfaces with liquid anti-icing products).	The Illinois Tollway complies; the Illinois Tollway has robust chloride reduction program.		
	Upper Salt Creek (HUC 0712000404)	I-90 MP 64.0 – 70.0	phosphorus (total), mercury, PCBs, fecal coliform	none	none	
	Higgins/Willow Creek (HUC 0712000405)	I-90 MP 70.0 – 78.2	phosphorus (total)	none	none	
	Bensenville Ditch/ Des Plains River (HUC 0712000405)	I-90 MP 78.2 – 78.8	chloride, DO, phosphorus (total), sedimentation/siltation, mercury, PCBs, fecal coliform	none	none	
	DuPage River (HUC 0712000408) I-88 MP 121.3 – 134.5 MP 121.3 – 1		Per <i>Upper DuPage River Watershed Plan</i> (2007), reductions in the use of chlorides are needed, incl proper storage and handling, alternative application methods such as prewetting and anti-icing, and the use of non-chloride deicing products.	The Illinois Tollway complies; the Illinois Tollway has robust chloride reduction program, incl proper storage and handling, pre-wetting, anti-icing, and other reduction strategies.		
	St. Joseph Creek (HUC 0712000408	I-88 MP 130.3 – 131.5	oil and grease, DO, TSS	same as above	Watershed plan currently under development; out for public comment 2/7/17 thru 3/9/17	
	Salt Creek (HUC 0712000404)	I-88 MP 131.5 – 140.5	phosphorous (total), mercury, PCBs, fecal coliform, DDT, heptachlor, sedimentation/siltation, aldrin, methoxychlor, arsenic, hexachlorobenzene, nickel, pH, DO	TMDLs approved for chlorides	Per Adaptive Management Plan to Improve Aquatic Life and Implement TMDLs on the Lower Salt Creek Main Stem (2014), specific stormwater management recommendations are not specified, however chloride reductions are recommended.	The Illinois Tollway complies; the Illinois Tollway has robust chloride reduction program.
Upper Fox F	River					
	Tyler Creek (HUC 0712000612)	I-90 MP 47.9 – 52.2	fecal coliform	none	Per Tyler Creek Watershed Based Plan (2008): calls for the conversion of traditional detention ponds into wetlands with micropools and native wetland vegetation	The Illinois Tollway complies; the Illinois Tollway provides other naturalized BMPs such as bioswales, vegetated diches, and use of native vegetation. Conversion of detention ponds not possible due to maintenance issues.

ILLINOIS TOLLWAY GENERAL NPDES PERMIT NO. ILR40 Summary of Illinois Tollway Receiving Waters with Storm Water Management Considerations

Watershed Name	HUC 10 Watershed	Tollway Location	Impairments	TMDL/s	Watershed Plan's Stormwater Management Requirements	Illinois Tollway Compliance
	Jelkes Creek (HUC 0712000612)	I-90 MP 52.2 – 54.5	meets water quality standards	none	Per Jelkes Creek - Fox River Watershed Action Plan (2012): calls for the use of green infrastructure in stormwater management and reductions in the use of chlorides	The Illinois Tollway complies; green infrastructure BMPs are preferred for stormwater management. Tollway has robust chloride reduction program.
	Fox River (HUC 0712000612)	I-90 MP 54.5 – 57.0	DO, PCBs, fecal coliform	none	Per Poplar Creek Watershed Action Plan (2007): calls for the Tollway to conduct demonstration projects and reduce TDS and chloride loadings. Plan also recommends municipal streets be swept 8 times per year.	The Illinois Tollway complies with the Watershed Plan; the Illinois Tollway has done several demonstration projects, including the bioswale study and a green interchange study on I-90/Rt 47. Additionally, the Tollway conducts regular roadway sweepings (more than 8 times per year) and has a robust chloride reduction program.
	Poplar Creek (HUC 0712000612)	I-90 MP 57.0 – 64.0	chloride, TSS, fecal coliform	none	Per Poplar Creek Watershed Action Plan (2007): calls for the Tollway to conduct demonstration projects and reduce TDS and chloride loadings. Plan also recommends municipal streets be swept 8 times per year.	The Illinois Tollway complies with the Watershed Plan; the Illinois Tollway has done several demonstration projects, including the bioswale study and a green interchange study on I-90/Rt 47. Additionally, the Tollway conducts regular roadway sweepings (more than 8 times per year) and has a robust chloride reduction program.
Lower Fox F	River					
	Big Rock Creek (HUC 0812000703)	I-88 MP 99.5 - 107	meets water quality standards	none	none	
	Blackberry Creek (HUC 0712000702)	I-88 MP 107 - 116	fecal coliform	none	Per Blackberry Creek Watershed Action Plan (2011), only general recommendations to minimize surface runoff and utilize natural drainage and native landscaping and naturalized detention basins.	The Illinois Tollway complies; the Illinois Tollway uses native landscaping and naturalized detention basins where possible; it is not possible to reduce surface runoff and permeable pavements cannot be used.
	Ferson Creek – Fox River (HUC 0712000701)	I-88 MP 116 – 121.3	fecal coliform	none	none	
Kishwaukee	River					
	Kishwaukee Rover (HUC 0709000608)	I-90 MP 13.8 - 21.0	mercury, PCBs, fecal coliform	none	Per Madigan Creek Watershed Based Plan (2013): use of BMPs to manage quantity and improve quality, incl bioswales, naturalized detention basins, vegetated swales, sediment control	The Illinois Tollway complies; the Illinois Tollway reduces and manages stormwater runoff to the degree possible via detention ponds, vegetated ditches, and bioswales.
	Kishwaukee Rover (HUC 0709000608)	I-90 MP 21.0 – 25.5	mercury, PCBs, fecal coliform	none	none	
	Mosquito Creek (HUC 0709000601)	I-90 MP 25.5 – 29.0	meets water quality standards	none	none	
	Spring Creek (HUC 0709000601)	I-90 MP 29.0 – 31.3	meets water quality standards	none	none	

ILLINOIS TOLLWAY GENERAL NPDES PERMIT NO. ILR40 Summary of Illinois Tollway Receiving Waters with Storm Water Management Considerations

Watershed Name	HUC 10 Watershed	Tollway Location	Impairments	TMDL/s	Watershed Plan's Stormwater Management Requirements	Illinois Tollway Compliance
	Coon Creek (HUC 07090006001)	I-90 MP 31.3 – 42.8	sedimentation/siltation, fecal coliform	none	none	
	South Branch Kishwaukee River (HUC 07090000602)	I-90 MP 42.8 – 47.9	meets water quality standards	none	none	
	Killibuck Creek (HUC 0709000607)	I-88 MP 81.0 – 86.0	fecal coliform	none	none	
	South Branch Kishwaukee River (HUC 0709000605)	I-88 MP 86.0 – 93.8	mercury, PCBs, DO, fecal coliform, bottom deposits	none	none	
	East Branch Kishwaukee River (HUC 0709000605)	I-88 MP 93.8 – 99.5	meets water quality standards	none	Per East Branch of the South Branch Kishwaukee River Watershed Plan (2014): retrofit detention basins and outfall culverts to reduce runoff volumes/rates; use of BMPs such as bioswales, bioinfiltration basins, and vegetated swales	The Illinois Tollway complies; the Illinois Tollway reduces and manages stormwater runoff to the degree possible, retrofitting detention ponds not likely; BMPs used on Tollway include vegetated ditches and bioswales, new roadways using bioinfiltration basins where underlying soils permit.
Rock River						
	Dry Creek (HUC 0709000501)	I-90 MP 0.0 – 3.5	impaired for aquatic life, cause unknown	none	none	
	North Kinnikinnick Creek (HUC 0709000501)	I-90 MP 3.5 – 5.0	fecal coliform	none	none	
	South Kinnikinnick Creek (HUC 0709000501)	I-90 MP 5.0 – 6.0	fecal coliform	none	none	
	Rock River (HUC 0709000501)	I-90 MP 6.0 – 8.5	fecal coliform, mercury, PCBs	none	none	
	Willow Creek/ Pierce State Lake (HUC 0709000501)	I-90 MP 8.5 – 11.8	mercury, phosphorus	none	none	
	Spring Creek North (HUC 0709000501	I-90 MP 11.8 – 12.5	fecal coliform	none	none	
	Keith Creek (HUC 0709000501)	I-90 MP 12.5 – 13.5	fecal coliform, arsenic, methoxychlor, pH, zinc	none	none	
	Beaver Creek (HUC 0709000604)	I-90 MP 13.5 – 13.8	meets water quality standards	none	Per Beaver Creek Watershed Action Plan (2008): use appropriate erosion control for construction activities	The Illinois Tollway complies; these are items required during construction.
	Threemile Branch, Rock River (HUC 0709000506)	I-88 MP 38.7 – 66.5	mercury, PCBs	none	none	
	Kyte River (HUC 0709000503)	I-88 MP 66.5 – 81.0	fecal coliform	none	none	

Appendix B

Summary of DuPage River Salt Creek Watershed Workgroup Activities, March 2019 to March 2020

DRSCW ILR40 Activities March 2019 – February 2020

PART I. COVERAGE UNDER GENRAL PERMITS ILR40

Not applicable to the work of the DRSCW.

PART II. NOTICE OF INTENT (NOI) REQUIREMENTS

Not applicable to the work of the DRSCW.

PART III. SPECIAL CONDITIONS

Not applicable to the work of the DRSCW.

PART IV. STORM WATER MANAGEMENT PROGRAMS

A. Requirements

Not applicable to the work of the DRSCW.

B. Minimum Control Measure

1. Public Education and Outreach on Stormwater Impacts

DRSCW outreach activities for the year ending 2019 included:

- The DRSCW website was updated and maintained during the reporting period and periodically updated with presentations and material (www.drscw.org).
- A searchable database with information on local aquatic biodiversity (IBIs), habitat (QHEI), and sediment and water column chemistry was maintained and periodically updated.
- Public information available on the website includes:
 - Chloride Fact Sheets aimed at mayors and managers, public works staff, commercial operators, and homeowners.
 - Model salt Storage and Handling Ordinances and Policies.
 - Model Facilities Plan for Snow and Ice Control.
 - A fact sheet summarizing alternative deicing products.
 - ➤ Information of effective operating parameters for commonly used anti icing compounds.
 - > Parking lots chloride application rate guidance example sheet and aide memoire.
 - A brochure on coal tar sealants as a source of Polycyclic Aromatic Hydrocarbons (PAHs) aimed at homeowners (produced by the University of New Hampshire Stormwater Center).
 - Detailed reports on the biolocal and chemical conditions of area waterways.

Technical Presentations

Workgroup meetings: The Workgroup hosts bimonthly meetings where technical presentations are made on a variety of water quality topics and surface water management subjects. The audience consists of mainly stormwater and wastewater professionals but the public is welcome to attend. Presentations made during the period March 1, 2019 to February 28, 2020 are listed below. Selected presentations are made available on the DRSCW website and upon request.

April 24, 2019 – DuPage River/Salt Creek Watershed Total Maximum Daily Loads (TMDL) Report Draft Stage 3 Report. Presenter: Abel Haile, Illinois Environmental Protection Agency and Jennifer Olson, Tetra Tech

June 26, 2019 – Chloride Program Update. Presenter: Daniel G. Bounds, P.E., D.WRE, Infrastructure Department Manager, Baxter & Woodman Consulting Engineers

June 26, 2019 – Graue Mill Public Research Final Report. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

August 28, 2019 – The effect of floods on ecosystem metabolism in suburban streams. Presenter: Karoline Qasem, PhD, Senior Staff Professional, Geosyntec Consultants

August 28, 2019 – Spring Brook Phase 2. Presenter: Erik Neidy, Director of Natural Resources, Forest Preserve District of DuPage County

October 30, 2019 – Phosphorus Reductions through Leaf Litter Management. Presenter: Bill Selbig, United States Geological Service

October 30, 2019 – What is Growing on Salt Creek? Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

December 11, 2019 – Contaminants of Emerging Concern. Presenter: Sarah Zack, Pollution Prevention Extension Specialist, Indiana-Illinois Sea Grant

Other Water Quality Presentations or Workshops by the DRSCW

February 13, 2019 – NARP Panel, 2019 Illinois Wastewater Professionals Conference, Champaign, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

February 13, 2019 – NARP Panel, 2019 Beyond Steam Bank Stabilization Illinois Wastewater Professionals Conference, Champaign, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

February 21, 2019 – DRWW Annual Meeting, NARP Work Plan, Libertyville, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

March 6, 2019 – IWEA Watershed Committee NARP Workshop, Stakeholder Engagement and Panel, Itasca, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

March 6, 2019 – IWEA Watershed Committee NARP Workshop, Looking Beyond POTW Limits and Panel, Itasca, Illinois. Presenter: Jennifer Hammer, The Conservation Foundation/DuPage River Salt Creek Workgroup

March 6, 2019 – IWEA Watershed Committee NARP Workshop, Panel, Itasca, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

March 15, 2019 – Chloride Trends in NE Illinois, Illinois Lakes Management Association Conference, Crystal Lake, Illinois. Presenter: Stephen McCracken and Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

May 16, 2019 – IPS Update, Lower DuPage River Watershed Coalition, Plainfield, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

May 23, 2019 – SaltSmart, APWA, Villa Park, Illinois. Presenter: Stephen McCracken and Jennifer Hammer, The Conservation Foundation/DuPage River Salt Creek Workgroup (McCracken and J. Hammer)

May 28, 2019 – Graue Mill Public Outreach Research, Forest Preserve District of DuPage County Board of Commissioners Planning Session, Naperville, Illinois. Presenter: Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup and Pete Gray, Aileron Communications

May 29, 2019 – Modifying the Graue Mill Dam, The Conservation Foundation Board, Naperville, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

September 9, 2019 – Optimizing Local Investments for Meeting In-Stream Designated Uses. WEFTEC, Chicago, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

September 18, 2019—Project Implementation and Aquatic Life Impacts. Salt Creek Chapter, ISPE. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

October 15, 2019 – I mplementing Projects to Improve Aquatic Communities, Arlington Anglers Fishing Club, Arlington Heights, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

October 17, 2019 – Parking Lots and Sidewalks Winter Salt Management, DuPage County DOT facility, Wheaton, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

October 24, 2019 – Public Roads Winter Salt Management Workshop, DuPage County DOT facility, Wheaton, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

November 8, 2019 – Chloride Management Presentation, Illinois Association of Wastewater Agencies (IAWA). Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

November 8, 2019 – Implementing Projects to Improve Aquatic Communities, Xylem with Beijing Drainage Group, Morton Grove, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

November 14, 2019 – Chloride Management for Facilities, IPRA Conference, Vernon Hills, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup and Scott Weber, Village of Weber Hanover Park

November 14, 2019 -- IWEA NARP Workshop, Joliet, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroug and Nick Menninga, Downers Grove Sanitary District

December 19, 2019 – Chloride Management for Facilities, Sears Center, Hoffman Estates, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup and Scott Weber, Village of Weber Hanover Park

January 30, 2020 – Chloride data collection and monitoring, PW Directors Working Group. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup, Dan Bounds, Baxter and Woodman and Scott Weber, Village of Weber Hanover Park

February 6, 2020 - -LTAP Drainage and Stormwater Conference, Purdue University, Indiana. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

- 2. Public Involvement and Participation no activities
- 3. Illicit Discharge Detection and Elimination no activities
- 4. Construction Site Storm Water Runoff Control no activities

- 5. Post-Construction Storm Water Management in New Development and Redevelopment no activities
- 6. Pollution Prevention/Good Housekeeping for Municipal Operations

Chloride Questionnaires

The DRSCW has attempted to track adoption of sensible salting BMPs in the program area since 2007. Monitoring ambient chloride concentrations has proven an imperfect metric for tracking efficiency trends in winter salt use. Tracking target BMP adoption in the program area provides opportunities to evaluate the impacts of the chloride management workshops; identify material for future workshops and form suppositions about salt use per unit of service expended inside the program area relative to 2006 levels.

In 2007, 2010, 2012, 2014, 2016, and 2018, the DRSCW distributed a questionnaire to approximately 80 municipal highway operations and public works agencies to obtain information about deicing practices throughout the program area. The 2018 Deicing Program Summary Report was included with the 2018 DRSCW MS4 Activities report.

Chloride Reduction Workshops

During the 2019-2020 reporting period, the DRSCW held three chloride reduction workshops.

On April 12, 2019, the DRSCW in conjunction with Fortin Consulting held a Level 2 Chloride Training. The clinic focused on the use of the WMAt (Winter Maintenance Assessment Tool) to review the organization's past, present, and future winter maintenance practices and create a series of reports for internal training, budgeting, and communicating with officials who fund maintenance work. Application of this tool will help an organization use less salt and apply it more efficiently. The DRSCW covered the costs for the clinic for all attendees. This is the first time this course was offered by the DRSCW as well as in the State of Illinois. The Level 2 Workshop was attended by 15 individuals representing 6 agencies/organizations including the Illinois State Highway Tollway Authority, DuPage County Department of Transportation, Fox Valley Park District, Village of Hanover Park, Good Samaritan Hospital and Robinson Engineering.

On October 24, 2019, the Public Roads Deicing Workshop (Plate 1) was held at DuPage County DOT with the following agenda:

7:00 – 7:30 Registration and Breakfast

7:30 – 7:35 Welcome and Housekeeping - *Jeff Pieroni, DuPage County Department of Transportation*

7:35 – 7:50 Trends in Chloride Water Quality and BMPs – Stephen McCracken, DRSCW

7:50 – 8:10 Chlorides and Your Agency's MS4 Permit – *Dan Bounds, Baxter & Woodman*

8:10 – 8:40 Direct Liquid Application, Ohio DOT Experience – *Darian Grant, Ohio DOT*

8:40 – 8:55 BREAK (includes exhibitor mic time)

8:55 – 9:55 Operations Hour – Ron Remmus, Village of Addison, Joe Mosher, Village of Hanover Park, Tom Ellis, Village of Lombard, TJ Countryman, Village of Schaumburg

9:55– 10:35 Equipment Calibration Methods and Procedures – Zach Barnwell & Mike Taylor, Force America

10:35 – 10:50 BREAK (includes exhibitor mic time)

10:50 – 11:20 Using Weather and Pavement Forecasts for Operation and Decision Support - Leah Dailey, Iteris

11:20 – 11:50 Ask a Chemist - Laura Fay, Western Transportation Institute – Montana State University

11:50 – 12:00 Wrap Up, Evaluations, Equipment Show

Attendance – 153 registered, 12 presenters/staff, 3 committee members/guests; 11 sponsors/exhibitors = 179 total. All participants received a certificate of attendance. Seventy-five (75) evaluation forms were completed by participants. A copy of the at registration list for the Public Roads Deicing Workshop is included in Attachment A.

On October 17, 2019 the Parking Lots and Sidewalks Deicing Workshop was held at DuPage County DOT (Plate 2) with the following agenda:

7:30 – 8:00 Registration & Breakfast

8:00 – 8:15 Ambient Conditions and Regulatory Update: *Stephen McCracken, The Conservation Foundation/DRSCW*

8:15-11:15 Information on developing efficient and cost-effective snow fighting operations, appropriate product selection, equipment selection, application rates, equipment calibration,

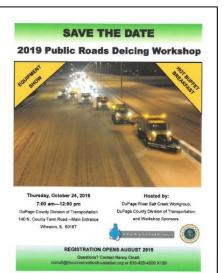


Plate 1. DRSCW Public Road Deicing

Workshop brochure, 2019.

ambient conditions monitoring. *Presenters: Carolyn Dindorf, Fortin Consulting and Chris Walsh,* (former Public Works Director, City of Beloit, WI)

11:15 – 12:00 Test on Workshop Materials.

Attendance - 112 registrations, 4 presenters/staff, 5 exhibitors/staff = 89 total. All participants received a training certificate and participants who successfully completed the test are recognized on DuPage County Stormwater Management's Water Quality – Pollution Prevention/Good Housekeeping web page. The DRSCW received 97 program evaluations from participants. A copy of the registration list for the Parking Lots and Sidewalks Deicing Workshop is included in Attachment B.

Chloride Questionnaire

The DRSCW has attempted to track adoption of sensible salting BMPs in the program area since 2007.

Plate 2. DRSCW Parking Lots and Sidewalks Deicing Workshop brochure, 2019.



Monitoring ambient chloride concentrations has proven an imperfect metric for tracking efficiency trends in winter salt use. Tracking target BMP adoption in the program area provides opportunities to evaluate the impacts of the chloride management workshops; identify material for future workshops and form suppositions about salt use per unit of service expended inside the program area relative to 2006 levels.

In 2007, 2010, 2012, 2014, 2016, and 2018 the DRSCW distributed a questionnaire to approximately 80 municipal highway operations and public works agencies to obtain information about deicing practices throughout the program area. Findings of the 2018 questionnaire were include in the 2018 Annual Report. A new questionnaire will be distributed in spring of 2020 and the results will be supplied in the 2020 MS4 Activities Report Report.

Ambient Impact Monitoring

DRSCW's Chloride Education and Reduction Program is performing an analysis to demonstrate an observable reduction in chloride loading within the water quality data collected since the beginning of program efforts. For over 10 years now, the program has been implementing numerous chloride reduction efforts, including:

- Annual Educational workshops (for public roads and parking lots/sidewalks)
- Equipment calibration training

- Product and chemical alternative summaries
- Information dissemination on Equipment and salt application advancements
- Information dissemination on salt usage, storage and deicing best management practices
- Example salt use policies and management plans

The goal of the ongoing analysis is to see if these efforts are resulting in a discernable reduction of chloride loading using the instream water quality data collected by DRSCW from 2009 to present. This is challenging, as there are many factors that affect the resulting water quality data, including variability in winter weather over the years (temperatures and precipitation levels), inconsistency in municipal salt application events across the DRSCW watershed areas, and inconsistency in the way events are defined and tracked by municipalities. The variability inherent in winter weather conditions and municipal application practices and record keeping does not allow the loading data to show the effect of reduction practices without accounting for it in some way.

The approach consists of using direct chloride sampling and analysis concentration data collected by the DRSCW during its rolling bioassessment program (summer), along with adjusted specific conductivity concentration data collected by the DRSCW (summer and winter), and USGS flow data to calculate loading (in pound per day) of chloride for each DRSCW watershed over the past decade. The loading data will then be adjusted or normalized to account for weighted variabilities in winter weather and salt application events. The data is being analyzed by individual watershed and separately for summer and winter periods each year. The hope is that once adjusted for variabilities, the loading data will better show the effect of the program's salt use reduction training and best management practices implementation by municipalities on ambient water quality.

As of the time of this report, the data has been organized by watershed and season, and water quality loadings have been calculated for the study period (Figure 3). The next analysis steps will be to QAQC the calculations, and develop methods for accounting for the variability in temperatures and precipitation, municipal salt application events, and the way salt application events are defined and tracked. Adjustments will be performed using those methods, and the resulting loading trends will be presented in a future report. This analysis will provide an indication of the effectiveness of the DRSCW's chloride education and reduction efforts.

Chloride Loading (Lbs/day) at Salt Creek, Busse Woods

2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019

Figure 1. Chloride loading (Lbs/day) at Salt Creek, Busse Woods.

Ambient Winter Chloride Monitoring

Ambient monitoring of winter conductivity was carried out at 6 locations (see Map 1) in the program area in 2018-2019 (4 sites monitored by the DRSCW and 2 sites monitored by the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC)). Conductivity is used to calculate chloride concentrations based on a relationship established by the DRSCW in 2007 and 2019 (so the data is referred to as calculated). Calculated Annual chloride concentrations for the winter months from 2006-2019 for the 6 sites are depicted in Figure 2-5.

Figure 2. Calculated annual chloride concentrations - winter months (2007-2019) for West Branch DuPage River at Arlington Drive (WBAD).

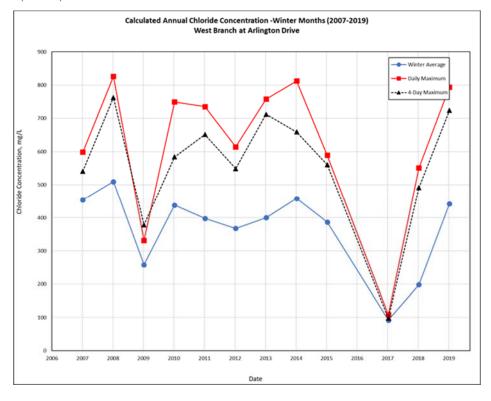
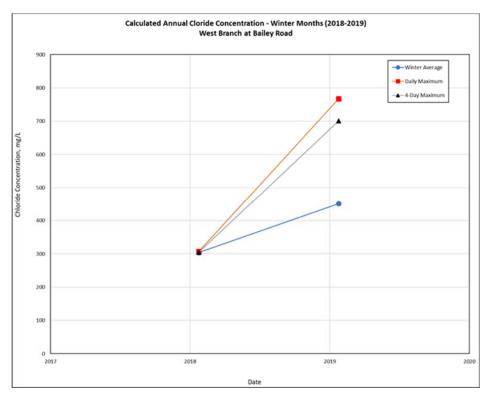


Figure 3. Calculated annual chloride concentrations - winter months (2018-2019) for West Branch DuPage River at Baily Road (WBNPV) (top panel) and (2006-2019) East Branch DuPage River at Army Trail Road (EBAT) (bottom panel).



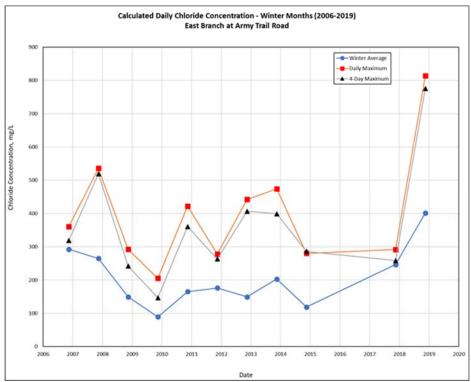
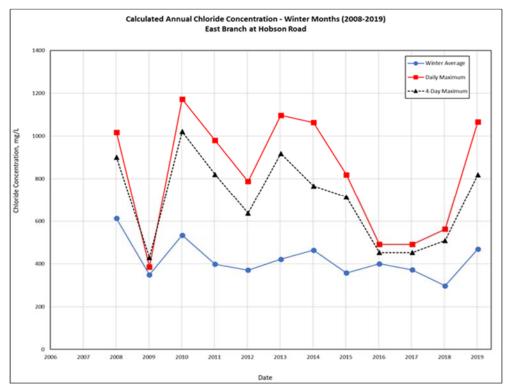
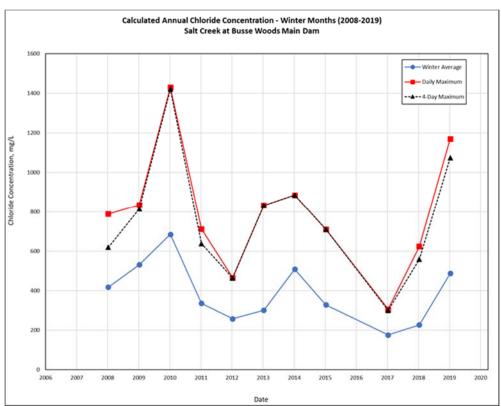


Figure 4. Calculated annual chloride concentrations - winter months (2008-2019) for East Branch at Hobson Road (EBHR) (top panel) and (2008-2019) Salt Creek at Busse Woods (SCBW) (bottom panel).





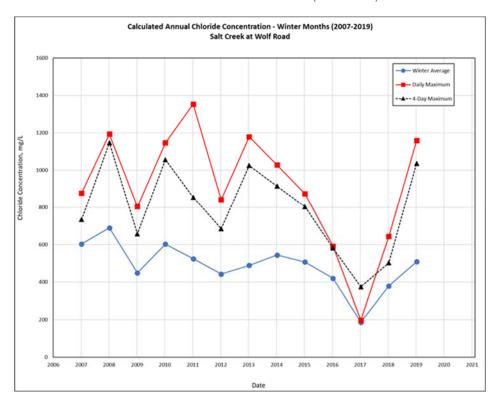


Figure 5. Calculated annual chloride concentrations - winter months (2007-2019) Salt Creek at Wolf Road (SCWR).

C. Qualifying State, Country or Local Program

Not applicable to the work of the DRSCW.

D. **Sharing Responsibility**

This report outlines the activities conducted by the DRSCW on behalf of its' members related to the implementation of the ILR40 permit. It is the responsibility of the individual ILR40 permit holders to utilize this information to fulfill the reporting requirements outlined in Part V.C. of the permit.

E. Reviewing and Updating Stormwater Management Programs

Not applicable to the work of the DRSCW.

PART V. MONITORING, RECORDKEEPING, AND REPORTING

A. Monitoring

The ILR40 permit states that permit holders "must develop and implement a monitoring and assessment program to evaluate the effectiveness of the BMPs being implemented to reduce

pollutant loadings and water quality impacts". The DRSCW monitoring program meets the following monitoring objectives and requirements outlined in the permit:

- Measuring pollutants over time (Part V. A. 2. b. ii)
- Sediment monitoring (Part V. A. 2. b. iii)
- Assessing physical and habitat characteristics such as stream bank erosion caused by storm water discharges ((Part V. A. 2. b. vi)
- Collaborative watershed-scape monitoring (Part V. A. 2. b. x)
- Ambient monitoring of total suspended solids, total nitrogen, total phosphorus, fecal coliform, chlorides, and oil and grease (Part V. A. 2. c.)

The DRSCW water quality monitoring program is made up of two components: 1) Bioassessment and 2) DO monitoring.

BIOASSESSMENT

Overview and Sampling Plan

A biological and water quality survey, or "biosurvey", is an interdisciplinary monitoring effort coordinated on a waterbody specific or watershed scale. This may involve a relatively simple setting focusing on one or two small streams, one or two principal stressors, and a handful of sampling sites or a much more complex effort including entire drainage basins, multiple and overlapping stressors, and tens of sites. The DRSCW bioassessment is the latter. The DRSCW bioassessment program began in 2007 with sampling in the West Branch DuPage River, East Branch DuPage River and Salt Creek watersheds. From 2009-2016, each watershed was sampled on a 3-year rotation beginning with the West Branch DuPage River watershed in 2006. Beginning in 2017, watershed will be sampled in a 5-year rotation ensuring that each watershed will be sampled during the effective period of the ILR40 permit. The bioassessment program functions under a quality assurance plan agreed on with the Illinois Environmental Protection Agency (http://drscw.org/wp/bioassessment/). Table 1 details the bioassessment sampling dates for each DRSCW watershed.

Table 1. Bioassessment sampling dates for the DRSCW watershed

Watershed	Sampling Completed (year)	Sampling Scheduled (year)
East Branch DuPage River	2007, 2011, 2014, 2019	2023
West Branch DuPage River	2007, 2009, 2012, 2015	2020
Salt Creek	2007, 2010, 2013, 2016	2021

The DRSCW bioassessment program utilizes standardized biological, chemical, and physical monitoring and assessment techniques employed to meet three major objectives:

- determine the extent to which biological assemblages are impaired (using IEPA guidelines);
- 2) determine the categorical stressors and sources that are associated with those impairments; and,

 add to the broader databases for the DuPage River and Salt Creek watersheds to track and understand changes through time in response to abatement actions or other influences.

The data collects as part of the bioassessment is processed, evaluated, and synthesized as a biological and water quality assessment of aquatic life use status. The assessments are directly comparable to previously conducted bioassessments such that trends in status can be examined and causes and sources of impairment can be confirmed, amended, or removed. A final report containing a summary of major findings and recommendations for future monitoring, follow-up investigations, and any immediate actions that are needed to resolve readily diagnosed impairments is prepared following each bioassessment. The bioassessment reports are posted on the DRSCW at http://drscw.org/wp/bioassessment/. It is not the role of the bioassessments to identify specific remedial actions on a site specific or watershed basis. However, the baseline data provided by the bioassessments contributes to the Integrated Priority System that was developed to help determine and prioritize remedial projects (http://drscw.org/wp/project-identification-and-prioritization-system/).

Sampling sites for the bioassessment were determined systematically using a geometric design supplemented by the bracketing of features likely to exude an influence over stream resource quality, such as CSOs, dams and wastewater outfalls. The geometric site selection process starts at the downstream terminus or "pour point" of the watershed (Level 1 site), then continues by deriving each subsequent "panel" at descending intervals of one-half the drainage area (D.A.) of the preceding level. Thus, the drainage area of each successive level decreases geometrically. This results in in seven drainage area levels in each of the three watersheds, starting at the largest (150 sq. mi) and continuing through successive panels of 75, 38, 19, 9, 5 and 2 sq. mi. Targeted sites are then added to fill gaps left by the geometric design and assure complete spatial coverage in order to capture all significant pollution gradients including reaches that are impacted by wastewater treatment plants (WWTPs), major stormwater sources, combined sewer overflows (CSOs) and dams. The number of sampling sites by method/protocol and watershed are listed in Table 2 and illustrated in Map 1.

Representativeness - Reference Sites

Data is collected from selected regional reference sites in northeastern Illinois preferably to include existing Illinois EPA and Illinois DNR reference sites, potentially being supplemented with other sites that meet the Illinois EPA criteria for reference conditions. One purpose of this data will be to index the biological methods used in this study that are different from Illinois EPA and/or DNR to the reference condition and biological index calibration as defined by Illinois EPA. In addition, the current Illinois EPA reference network does not yet include smaller headwater streams, hence reference data is needed to accomplish an assessment of that data. Presently thirteen (13) reference sites have been established.

Table 2. Number of sampling sites in the DRSCW project area.

Method/Protocol	West Branch DuPage River (2015)	East Branch DuPage River (2019)	Salt Creek (2016)	Reference Sites (2006- 2019)	Total Sites
Biological sampling					
Fish	44	41	51	13	149
Macroinvertebrates	44	41	51	13	149
QHEI	44	41	51	13	149
Water Column Chemical/Physical Sampling					
Nutrients*	44	38	51	6	139
Water Quality Metals	44	38	51	6	139
Water Quality Organics	18	11	16	6	51
Sediment Sampling	18	15	16	6	55

^{*}Also included indicators or organic enrichment and ionic strength, total suspended solids (TSS), DO, pH and temperature. Also, in 2019, chlorophyll A was included as a nutrient parameter.

The bioassessment sampling includes four (4) sampling methods/protocols: biological sampling, Qualitative Habitat Evaluation Index (QHEI), water column chemical/physical parameter sampling and sediment chemistry. The biological sampling includes two assemblages: fish and macroinvertebrates.

The Fish, Macroinvertebrate, Habitat and Water Chemistry sampling results presented in this report summarize the findings for the mainstem reaches of the East Branch DuPage River including the 2019 data. A map of the 2019 East Branch DuPage River bioassessment sites can be found in Map 2. Detailed analysis of all results for the East Branch DuPage River, the West Branch DuPage River and Salt Creek and their tributaries and can be found at http://drscw.org/wp/bioassessment/. Additionally, summaries of the findings for the mainstem West Branch DuPage River and Salt Creek can be found in the 2018 DRSCW MS4 Activities Report.

The fish and macroinvertebrate results are presented as Index of Biotic Integrity (IBI) scores. IBI is an evaluation of a waterbodies biological community in a manner that allows the identification, classification and ranking of water pollution and other stressors. IBIs allow the statistical association of various anthropogenic influences on a water body with the observed biological activity in said water body and in turn the evaluation of management interventions in a process of adaptive management. Chemical testing of water samples produce only a snapshot of chemical concentrations while an IBI allows an evaluation of the net impact of chemical, physical and flow variables on a biological community structure. Dr. James Karr formulated the IBI concept in 1981.

FISH

Methodology

Methods for the collection of fish at wadeable sites was performed using a tow-barge or longline pulsed D.C. electrofishing apparatus (MBI 2006b). A Wisconsin DNR battery powered backpack

electrofishing unit was used as an alternative to the long line in the smallest streams (Ohio EPA 1989). A three-person crew carried out the sampling protocol for each type of wading equipment sampling in an upstream direction. Sampling effort was indexed to linear distance and ranged from 150-200 meters in length. Non-wadeable sites were sampled with a raft-mounted pulsed D.C. electrofishing device in a downstream direction (MBI 2007). Sampling effort was indexed to lineal distance over 0.5 km. Sampling was conducted during a June 15-October 15 seasonal index period.

Samples from each site were processed by enumerating and recording weights by species and by life stage (y-o-y, juvenile, and adult). All captured fish were immediately placed in a live well, bucket, or live net for processing. Water was replaced and/or aerated regularly to maintain adequate D.O. levels in the water and to minimize mortality. Fish not retained for voucher or other purposes were released back into the water after they had been identified to species, examined for external anomalies, and weighed either individually or in batches. While the majority of captured fish were identified to species in the field, any uncertainty about the field identification required their preservation for later laboratory identification. Identification was made to the species level at a minimum and to the sub-specific level if necessary. Vouchers were deposited and verified at The Ohio State University Museum of Biodiversity (OSUMB) in Columbus, OH.

Results

East Branch DuPage River

Fish assemblage conditions throughout the East Branch DuPage River watershed a in the poor and fair ranges (Figure 6).

MACROINVERTEBRATES

Methodology

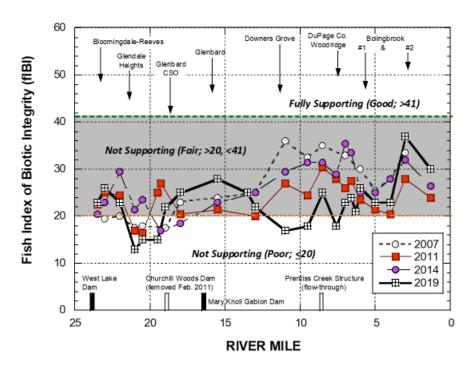
The macroinvertebrate assemblage is sampled using the Illinois EPA (IEPA) multi-habitat method (IEPA 2005). Laboratory procedures followed the IEPA (2005) methodology for processing multi-habitat samples by producing a 300-organism subsample with a scan and pre-pick of large and/or rare taxa from a gridded tray. Taxonomic resolution is performed to the lowest practicable resolution for the common macroinvertebrate assemblage groups such as mayflies, stoneflies, caddisflies, midges, and crustaceans, which goes beyond the genus level requirement of IEPA (2005). However, calculation of the macroinvertebrate IBI followed IEPA methods in using genera as the lowest level of taxonomy for mIBI calculation and scoring.

Results

East Branch DuPage River

Macroinvertebrate collections from the 2019 East Branch are still pending and will be provided in the 2020 DRSCW MS4 Activities Report.

Figure 6. Fish IBI scores in the East Branch DuPage River, 2007, 2011, 2014 and 2019 relation to municipal POTW dischargers.



Bars along the x-axis depict mainstem dams or weirs (only black bars impede fish passage).

The shaded area demarcates the "fair" narrative range.

HABITAT

Methodology

Physical habitat was evaluated using the Qualitative Habitat Evaluation Index (QHEI) developed by the Ohio EPA for streams and rivers in Ohio (Rankin 1989, 1995; Ohio EPA 2006b) and as modified by MBI for specific attributes. Attributes of habitat are scored based on the overall importance of each to the maintenance of viable, diverse, and functional aquatic faunas. The type(s) and quality of substrates, amount and quality of instream cover, channel morphology, extent and quality of riparian vegetation, pool, run, and riffle development and quality, and gradient used to determine the QHEI score which generally ranges from 20 to less than 100. QHEI scores and physical habitat attribute were recorded in conjunction with fish collections.

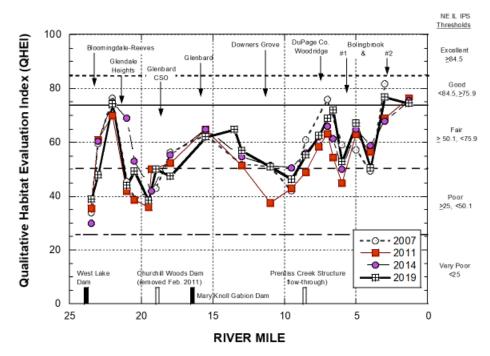
Results

The physical habitat of a stream is a primary determinant of biological quality. Streams in the glaciated Midwest, left in their natural state, typically possess riffle-pool-run sequences, high sinuosity, and well-developed channels with deep pools, heterogeneous substrates and cover in the form of woody debris, glacial tills, and aquatic macrophytes. The QHEI categorically scores the basic components of stream habitat into ranks according to the degree to which those components are found in a natural state, or conversely, in an altered or modified state.

East Branch DuPage River

Based on QHEI scores, mainstem habitat quality fell mostly in the fair to good ranges, but varied by location (Figure 7).

Figure 7. Qualitative Habitat Evaluation Index (QHEI) scores for the E. Branch DuPage River in 2007, 2011, 2014, and 2019 in relation to municipal WWTP discharges.



Bars along the x-axis depict mainstem dams or weirs (black bars are dams that impede fish passage).

WATER QUALITY CHEMISTRY

Methodology

Water column and sediment samples are collected as part of the DRSCW bioassessment programs. The total number of sites sampled is detailed in Table 2. Total number of collected samples by watershed typical for a full assessment by watershed are given in Table 3. The number of samples collected at each site is largely a function of the sites drainage area with the frequency of sampling increasing as drainage size increases (Table 4). Organics sampling is a single sample done at a subset of sites. Sediment sampling is done at a subset of 66 sites using the same procedures as IEPA.

The parameters sampled for are included in Table 5 and can be grouped into demand parameters, nutrients, demand, metals and organics. All sampling occurs between June and October of the sample year with the exception of sediment that occurs October to December. The Standard Operating Procedure for water quality sampling can be found at http://drscw.org/wp/bioassessment/.

Table 3. Total number of samples by watershed typical for a full assessment by watershed.

Watershed	Approximate # Sites	Demand Samples	Nutrients Samples	Metals Samples	Organics Samples
Salt Creek (2016)	51	280	280	149	16
West Branch DR (2015)	44	218	218	110	18
East Branch DR (2019)	38	212	212	100	11

Table 4. Approximate distribution of sample numbers by drainage area across the monitoring area.

Drainage Area and site numbers	>100 sq mi (n=12)	>75 sq mi (n=25)	>38 sq mi (n=11)	>19 sq mi (n=11)	>8 sq mi (n=15)	>5 sq mi (n=24)	>2 sq mi (n= 46)
Mean # Samples demand /nutrients	12	9	6	6	4	4	2
Mean # Samples metals	6	6	4	4	2	2	0

Table 5. Water Quality and sediment Parameters sampled as part of the DRSCW Bioassessment Program.

Water Quality Parameters	Sediment Parameters
Water Quality Parameters	
Demand Parameters	Sediment Metals
5 Day BOD	Arsenic
Chloride	Barium
Conductivity	Cadmium
Dissolved Oxygen	Chromium
рН	Copper
Temperature	Iron
Total Dissolved Solids	Lead
Total Suspended Solids	Manganese
	Nickel
Nutrients	Potassium
Ammonia	Silver
Nitrogen/Nitrate	Zinc
Nitrogen – Total Kjeldahl	
Phosphorus, Total	
Chlorophyll A	Sediment Organics
	Organochlorine Pesticides
Metals	PCBS
Cadmium	Percent Moisture
Calcium	Semivolatile Organics
Copper	Volatile Organic Compounds
Iron	
Lead	
Magnesium	
Zinc	
Organics – Water	
PCBS Volatile Organics	
Pesticides	
Semivolatile Organics	

Results

The discussion presented below focuses on the constituents listed in the MS4 permit: total suspended solids, total nitrogen, total phosphorus, fecal coliform, chlorides, and oil and grease. Total nitrogen is presented as ammonia, nitrate, and total kjeldahl nitrogen (TKN). Prior to the 2016 sampling period, fecal coliform and oil and grease sampling was not conducted. Oil and grease sampling was added to the bioassessment sampling for Salt Creek in 2016 and the East Branch DuPage River in 2019. Fecal coliform and oil and grease sampling will be added to all future bioassessment sampling for the West Branch DuPage River (2020) ensuring that each watershed will be sampled for that parameter during the effective period of the ILR40 permit.

East Branch DuPage River

In 2019, samples for Fat, Oil and Grease (FOG) was collected at one (1) sites in the East Branch DuPage River watershed: St. Joseph's Creek (EB07). The results are summarized in Table 6. Results for the FOG sampling in the Salt Creek watershed can be found in the 2018 DRSCW MS4 Activities Report.

Table 6. Concentrations of Fat, Oil and Grease in 2019 in the East Branch DuPage River watershed.

Site Number	Site Location	FOG (mg/L)
EB07	St. Joseph Creek behind Lisle Station Apartments at St.	Non-detect (ND)
	Joseph Road bridge	

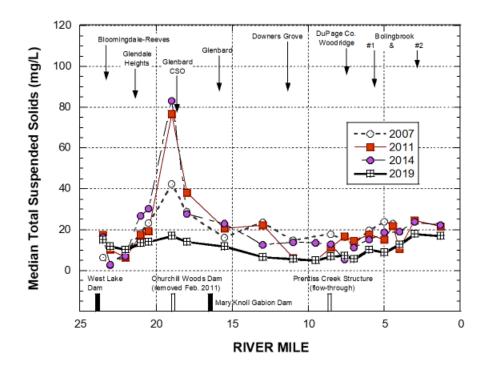
In 2019, samples for fecal coliform samples were collected at five (5) sites on the mainstem East Branch DuPage River and one (1) site on St. Joseph's Creek. Each site was sampled 5 times within a 30-day period beginning on May 15, 2020. The results are summarized below in Table 7.

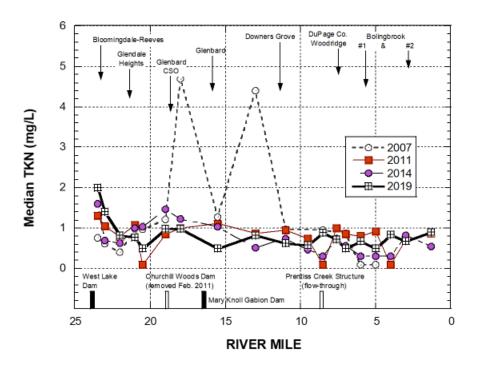
Table 7. Concentrations of Fecal Coliform in 2019 in the East Branch DuPage River watershed.

			Fecal Co	liform cfu/		Geometric			
Site Number	Site Location	5/16/20	5/24/20	5/29/20	6/7/20	6/11/20	mean Fecal Coliform cfu/100 mL		
East Bran	East Branch DuPage River								
EB23	E Branch DuPage at Fullerton Ave	200	350	850	1000	50	312.38		
EB30	E Branch DuPage at Westfield Elementary school	50	50	700	800	50	147.57		
EB 31	E Branch DuPage at Short St.	50	200	600	450	50	168.29		
EB32	E Branch DuPage at Hobson Rd	50	300	3100	1100	50	303.08		
EB41	E Branch DuPage at Weber Rd	50	50	950	450	50	139.82		
Tributarie	Tributaries								
EB07	St Joseph Creek at St Joseph Rd	50	500	3650	1000	50	340.28		

East Branch mainstem flows are effluent dominated during the late summer-early fall months. As such, chemical water quality is highly influenced by the concentration and composition of chemical constituents in WWTP effluents (Figures 8-10).

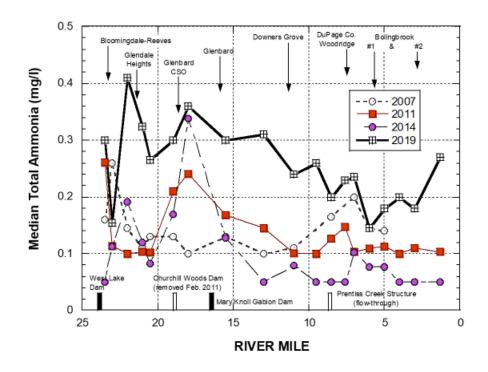
Figure 8. Median concentrations of total suspended solids (top panel) and TKN (lower panel) from E. Branch DuPage River samples in 2007, 2011, 2014, and 2019 in relation to municipal WWTP discharges.

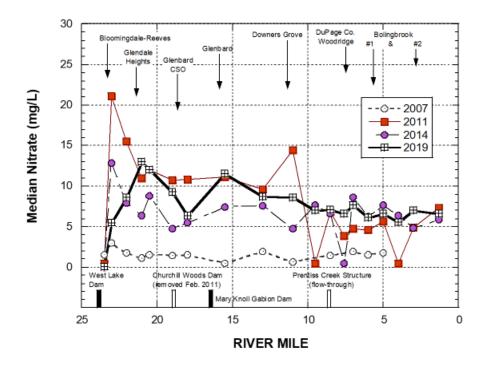




Bars along the x-axis depict mainstem dams or weirs (black bars are dams that impede fish passage).

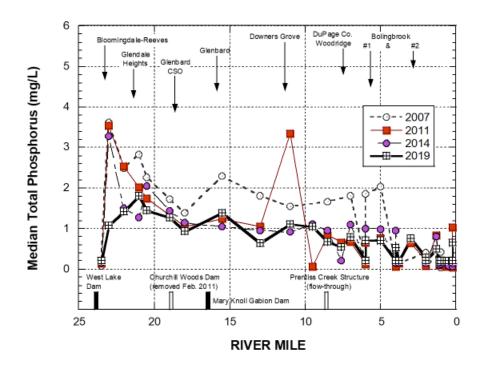
Figure 9. Median concentrations of ammonia-N (top panel) and nitrate+nitrite-N (lower panel) from E. Branch. DuPage River samples in 2007, 2011, 2014, and 2019 in relation to municipal WWTP discharges.

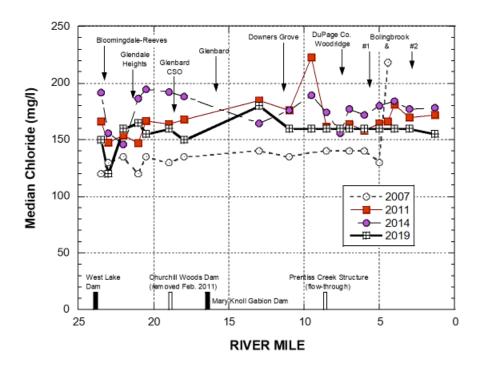




Bars along the x-axis depict mainstem dams or weirs (only black bars for dams that impede fish passage).

Figure 10. Median concentrations total phosphorus (top panel) and chloride (bottom panel) from E. Branch DuPage River samples in 2007, 2011, 2014, and 2019 in relation to municipal WWTP discharges.





Bars along the x-axis depict mainstem dams or weirs (black bars are dams that impede fish passage).

Sediment Chemistry Results

Detailed analysis and results for sediment chemistry is located at http://drscw.org/wp/bioassessment/.

DISSOLVED OXYGEN (DO) MONITORING

Background and Methodology

The Illinois Environmental Protection Agency (IEPA) report, <u>Illinois 2004 Section 303(d) List</u>, listed dissolved oxygen (DO) as a potential impairment in Salt Creek, and the East and West Branches of the DuPage River. The report suggested that the DO levels in selected reaches of these waterways might periodically fall to levels below those required by healthy aquatic communities.

All rivers and creeks in DuPage County are classified as General Use Waters. The present water quality standards for dissolved oxygen in General Use Waters is:

- 1. During the period of March through July
 - a. 5.0 mg/L at any time; and
 - b. 6.0 mg/L as a daily mean averaged over 7 days.
- 2. During the period of August through February,
 - a. 3.5 mg/L at any time;
 - b. 4.0 mg/L as a daily minimum averaged over 7 days; and
 - c. 5.5 mg/L as a daily mean averaged over 30 days.

Following listing on the 303 (d) list three TMDLs were prepared by the IEPA for Salt Creek and the East Branch of the DuPage River. In response to the TMDLs, the DRSCW committed to develop and manage a continuous long-term DO monitoring plan for the project area in order to assess the nature and extent of the DO impairment and to allow the design of remedial projects. The continuous DO data is also used to assess the impact of DO improvement projects such as the Churchill Woods and Oak Meadow dam removals.

Typically, the DRSCW continuous DO monitoring project includes four (4) sites on the West Branch DuPage River, four to five (4-5) sites of the East Branch DuPage River, and three to four (3-4) sites on Salt Creek. The DRSCW program began in 2006 and data has been collected each year since. Each site is equipped with a HydroLab DS 5X which collects data on DO, pH, conductivity and water temperature. Stations have a sample interval of one hour and collect data from June through to October (the seasonal period recognized as containing the lowest annual levels of stream DO). The continuous DO monitoring program functions under a quality assurance plan agreed on with the IEPA (http://drscw.org/wp/dissolved-oxygen/). Additionally, the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) maintains two sondes on Salt Creek (for a total of five (5) sites on Salt Creek. Details on the site location are included in Table 8 and site locations for 2019 are included on Map 3.

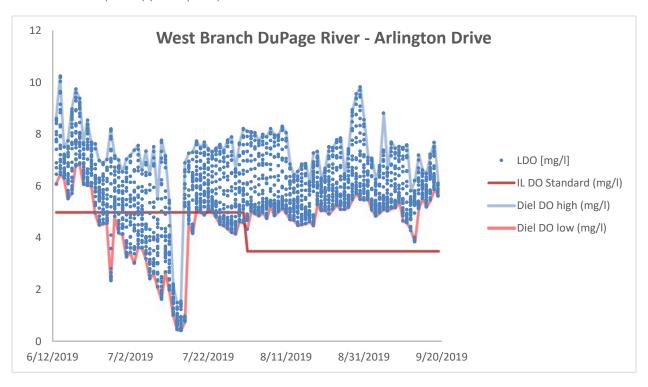
Table 8. Continuous DO monitoring locations in the DRSCW watersheds.

Site ID	Stream Name	River Mile	Latitude	Longitude	Location
WBAD	W. Br. DuPage River	29.9	41.9750	-88.1386	Arlington Drive
WBBR	W. Br. DuPage River	11.7	41.825268	-88.179456	Butterfield Road
WBWD	W. Br. DuPage River	11.1	41.82027	-88.17212	Downstream of former
					Warrenville Grove Dam
WBMG	W. Br. DuPage River	8.6	41.795928	-88.187263	Upstream of former McDowell
					Grove Dam
EBAR	E. Br. DuPage River	23.0	41.935171	-88.05843	Army Trail Road
EBCB	E. Br. DuPage River	18.8	41.88510	-88.04110	Crescent Boulevard
EBHL	E. Br. DuPage River	14.0	41.82570	-88.05316	Hidden Lake Preserve
EBHR	E. Br. DuPage River	8.5	41.76800	-88.07160	Hobson Road
EBWL	E. Br. DuPage River	3.8	41.712315	-88.094842	Whalon Lake
SCBW	Salt Creek	29.4	42.01630	-88.00061	Downstream of Busse Woods
					Dam (MWRDGC)
SCOM	Salt Creek	23.0	41.941279	-87.983363	Upstream of former Oak
					Meadows Dam
SCBR	Salt Creek	16.1	41.864686	-87.95073	Butterfield Road
SCFW	Salt Creek	11.1	41.825493	-87.93158	Fullersburg Woods
					impoundment
SCWR	Salt Creek	8.1	41.82576	-87.90045	Wolf Road (MWRDGC)

<u>Results</u>

Results of the continuous DO monitoring conducted in the summer of 2019 is included in Figures 11-17.

Figure 11. Dissolved Oxygen plots for West Branch DuPage River sites at Arlington Drive (WBAD) (top panel) and Butterfield Road (WBBR) (lower panel).



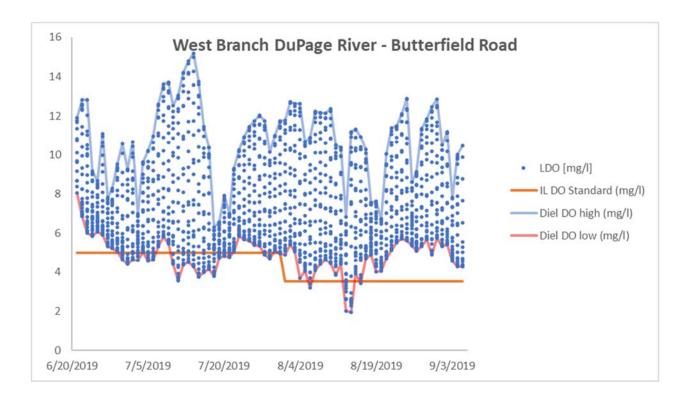
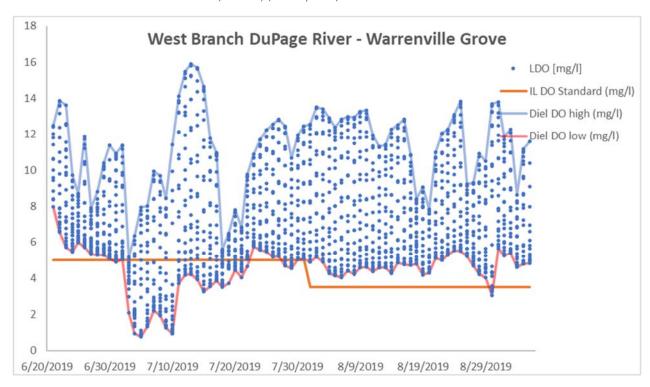


Figure 12. Dissolved Oxygen plots for West Branch DuPage River sites at Warrenville Grove (WBWD) (top panel) and McDowell Grove Forest Preserve (WBMG) (lower panel).



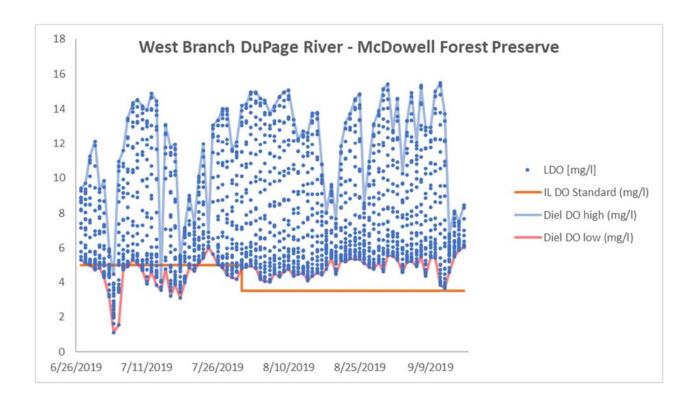
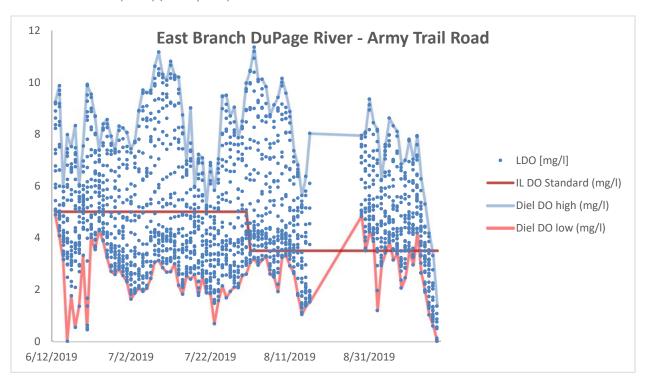


Figure 13. Dissolved Oxygen plots for East Branch DuPage River sites at Army Trail Road (EBAR) (top panel) and Crescent Boulevard (EBCB) (lower panel).



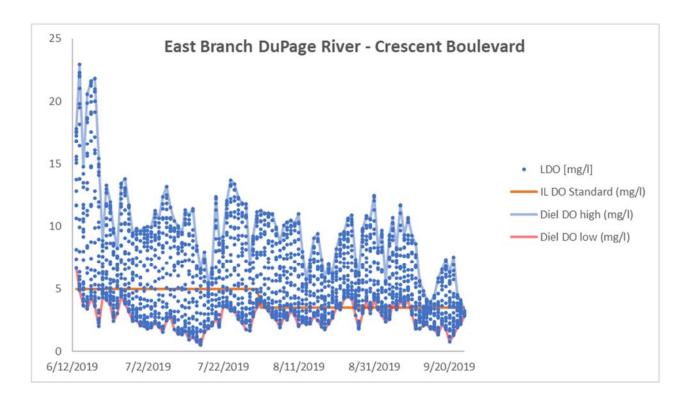
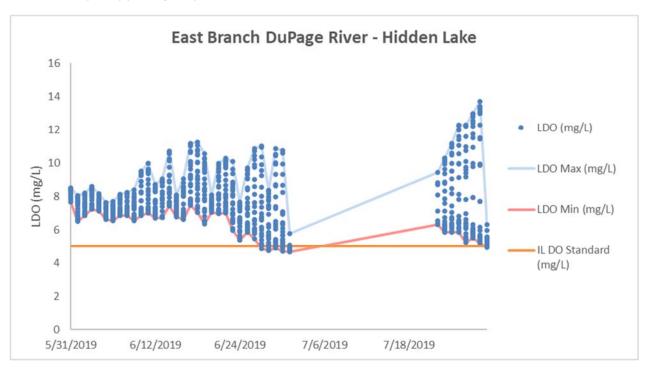


Figure 14. Dissolved Oxygen plots for East Branch DuPage River sites at Hidden Lake (EBHL) (top panel) and Hobson Road (EBHR) (lower panel).



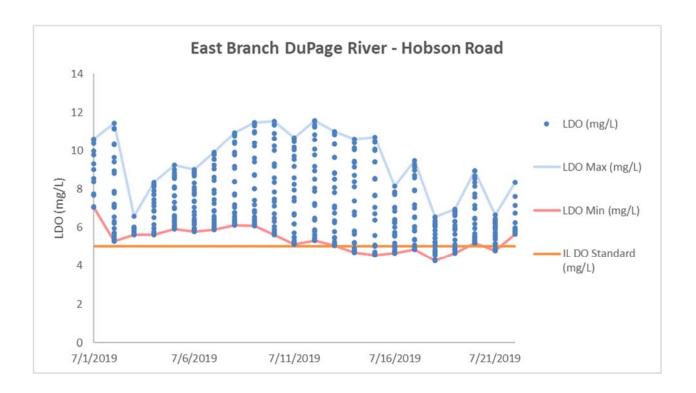
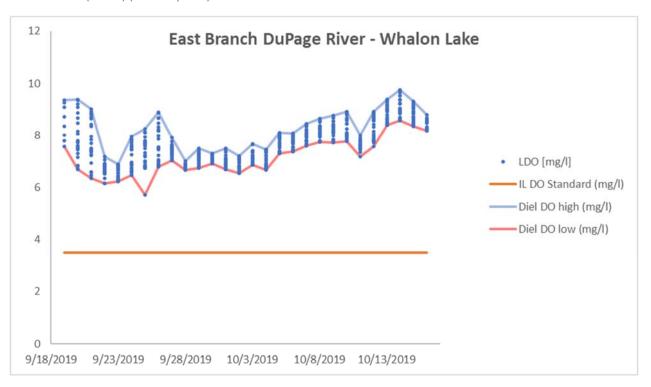


Figure 15. Dissolved Oxygen plot for East Branch site at Whalon Lake (EBWL) (top panel) and Salt Creek site at Busse Woods (SCBW) (bottom panel).



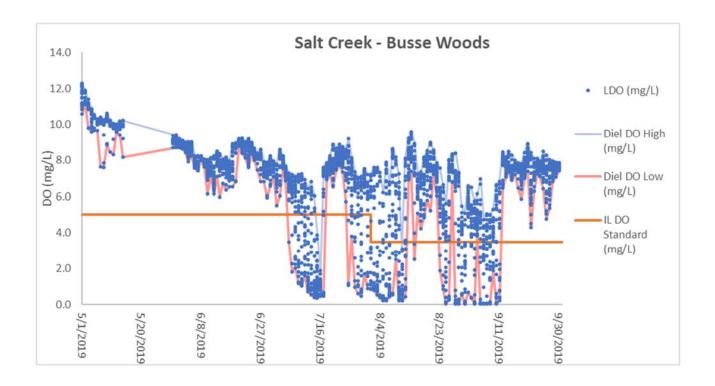
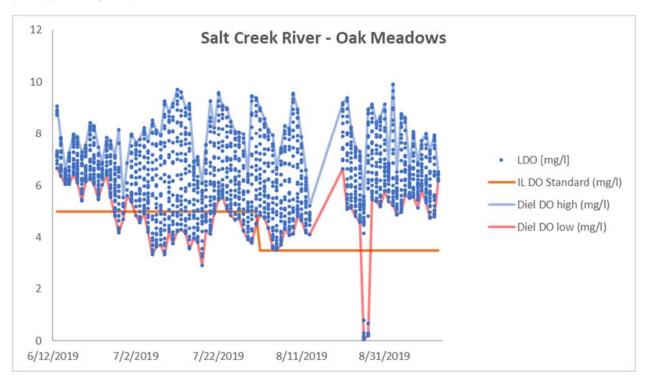


Figure 16. Dissolved Oxygen plots for Salt Creek sites at Oak Meadows (SCOM) (top panel) and Butterflied Road (SCBR) (bottom panel).



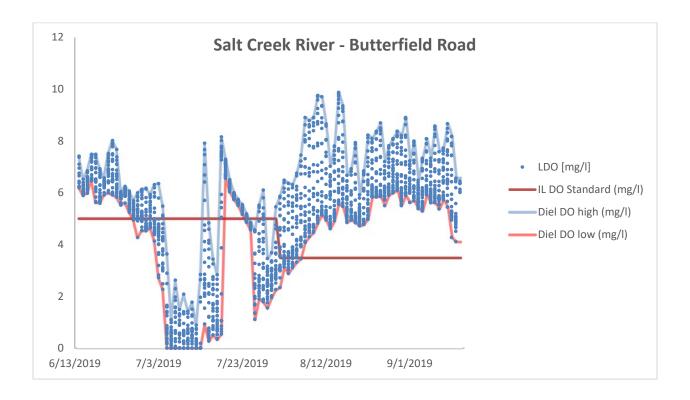
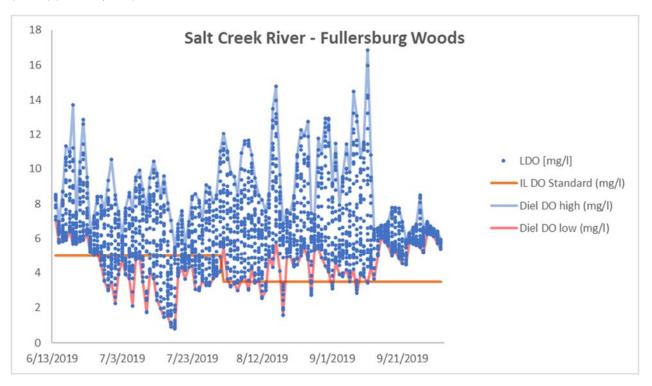
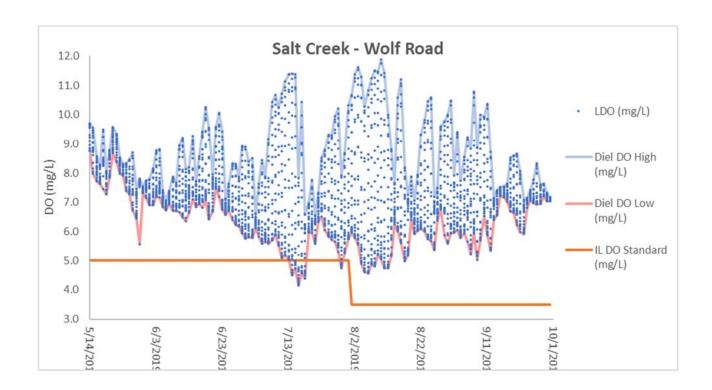


Figure 17. Dissolved Oxygen plots for Salt Creek sites at Fullersburg Woods (SBFW) (top panel) and Wolf Road (SCWR) (bottom panel).





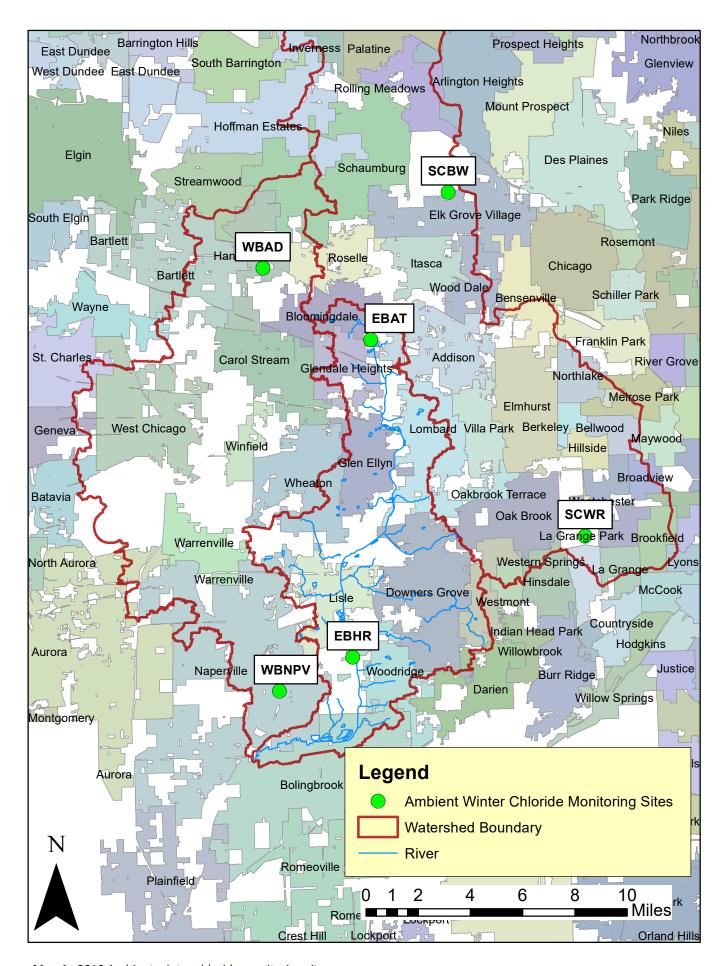
B. Recordkeeping

All monitoring data including by not limited to laboratory results, chain of custodies (COCs), and quality assurance protection plans (QAPP) will be maintained by the DRSCW for a minimum of 5 years after the expiration of the ILR40 (effective on 03/01/2016). The records are maintained at the DRSCW office located at The Conservation Foundation, 10S404 Knock Knolls Road, Naperville, Illinois 60656 and are accessible to the IEPA for review.

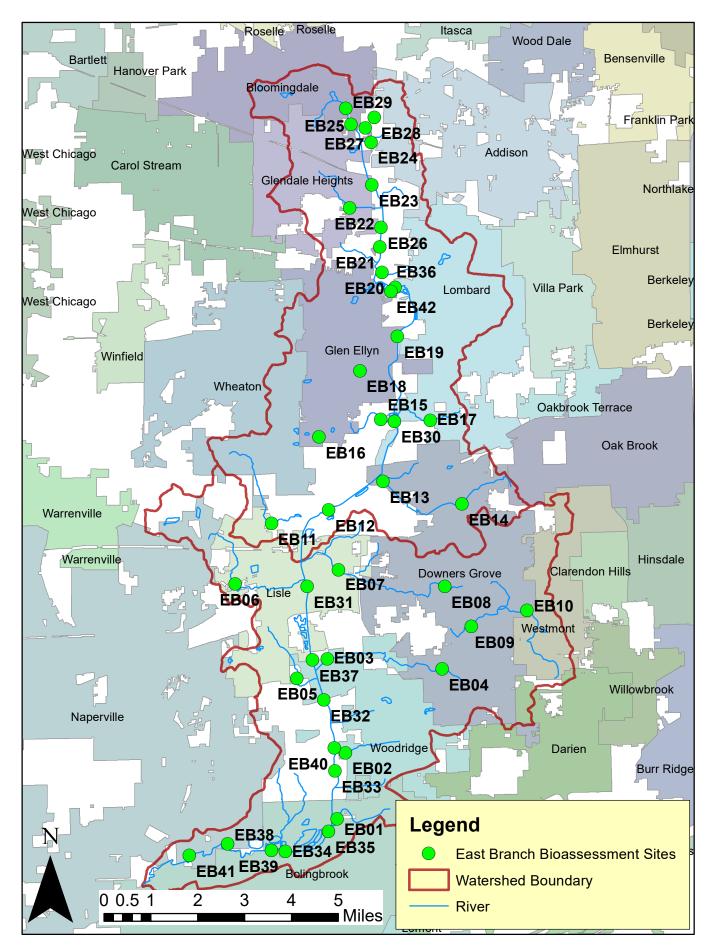
C. Reporting

The DRSCW is not responsible for preparing and submitting an Annual Report to the IEPA by the first day of June for each year that the permit is in effect. It is the responsibility of the individual ILR40 permit holders to utilize the information provided in this report to fulfill the reporting requirements outlined in the permit.

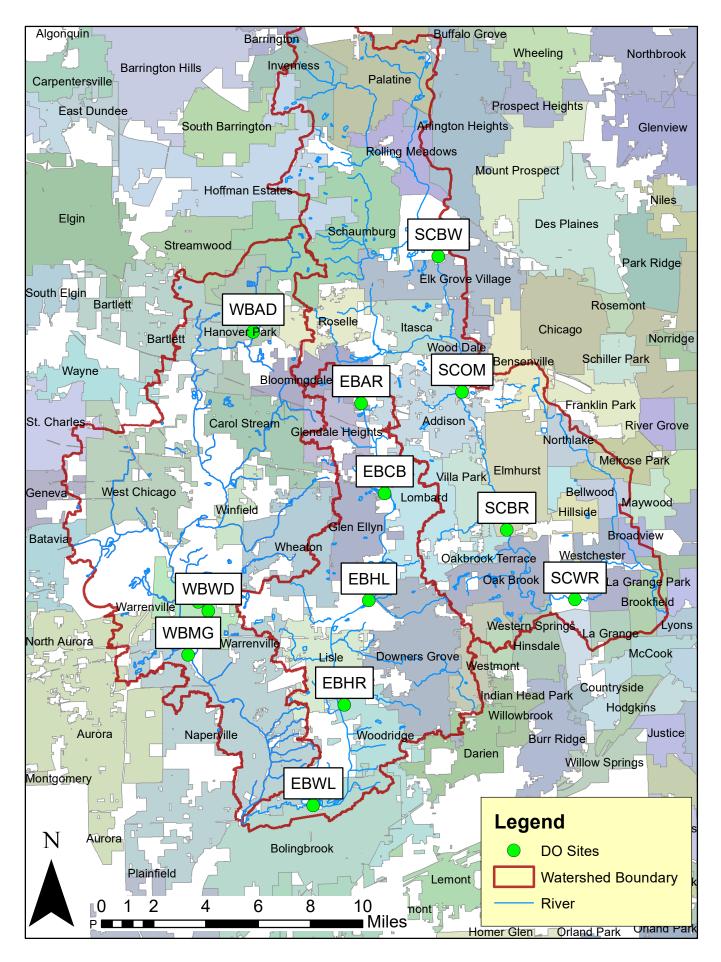
Maps



Map 1. 2019 Ambient winter chloride monitoring sites.



Map 2. 2019 East Branch DuPage River bioassessment sampling sites.



Map 3. 2019 Continous dissolved oxygen (DO) monitoring sites.

Attachment A

List of Registrants at the 2019 Public Roads Deicing Workshop

DUPAGE COUNTY ROADS WORKSHOP October 24, 2019			
Agency	First Name	Last Name	
Village of Addison	Mike	Hundley	
Village of Addison	Alex	Melani	
Addison Township Highway Department	Joe	Bellino	
Addison Township Highway Department	Michael	Capizzano	
Addison Township Highway Department	Michael	D'Souza	
Addison Township Highway Department	Donald R.	Holod	
Addison Township Highway Department	Tim	Mrazek	
Addison Township Highway Department	Rocky	Saianto	
Village of Bartlett	Chris	Church	
Village of Bartlett	Octavio	Garcia	
Village of Bartlett	Erik	Kumlin	
Village of Bartlett	Bill	Schnecke	
Village of Bloomingdale	Paul	Dublin	
Village of Bloomingdale	Jim	Johnson	
Village of Bloomingdale	Ed	Lewen	
Forest Preserve District of Cook County	Alma	Arias	
Forest Preserve District of Cook County	Lisa	Buczko	
Forest Preserve District of Cook County	Lindsay	Ivanyi	
Forest Preserve District of Cook County	Thomas	Lyons	
Forest Preserve District of Cook County	Derrick	Woods	
DeKalb Township Road District	Craig	Smith	
Village of Downers Grove	Justin	Dickey	
Village of Downers Grove	Jordan	Daliege	
Village of Downers Grove	Austin	Grossi	
Village of Downers Grove	Joe	Guertler	

DUPAGE COUNTY ROADS WORKSHOP October 24, 2019			
Agency	First Name	Last Name	
Village of Downers Grove	Ryan	Zeuske	
Downers Grove Township Highway Department	Andy	Anderson	
Downers Grove Township Highway Department	Tim	Anderson	
Downers Grove Township Highway Department	Dan	Baker	
Downers Grove Township Highway Department	Jim	Heiden	
Downers Grove Township Highway Department	Nick	Heiden	
Downers Grove Township Highway Department	Robert	Minniti	
Downers Grove Township Highway Department	Kyle	Petras	
Downers Grove Township Highway Department	Dave	Smith	
DePage County Division of Transportation	Christopher	Aguliar	
DePage County Division of Transportation	Brandon	Brach	
DePage County Division of Transportation	Sean	Corwin	
DePage County Division of Transportation	Brandon	Kutilek	
DePage County Division of Transportation	Jenny	Schlueter	
DePage County Division of Transportation	Antonio	Solis	
Village of Glen Ellyn	Greg	Garcia	
Village of Glen Ellyn	Julius	Hansen	
Village of Glen Ellyn	John	Hubsky	
Village of Glen Ellyn	Chris	Larem	
Village of Glen Ellyn	Mike	Manning	
Village of Glen Ellyn	Mike	Marston	
Village of Glen Ellyn	Jeremy	Menchaca	
Village of Glen Ellyn	Mike	Nickels	
Village of Glen Ellyn	Zach	Ochromowicz	
Village of Glen Ellyn	John	Sparagna	

DUPAGE COUNTY ROADS WORKSHOP October 24, 2019			
Agency	First Name	Last Name	
Village of Glen Ellyn	Emma	Sprau	
Village of Glen Ellyn	Cody	Weigand	
Village of Glendale Heights	Rocco	Barbanente	
Village of Glendale Heights	Jonathan	Brennan	
Village of Glendale Heights	Joe	Giannelli	
Village of Glendale Heights	John	Kaval	
Village of Glendale Heights	Alex	Marchan	
Village of Glendale Heights	Oscar	Marmolejo	
Village of Glendale Heights	Jeff	Mrozinski	
Village of Glendale Heights	Ed	Murphy	
Village of Glendale Heights	Eric	Schmidt	
Village of Glendale Heights	Phil	Williamson	
Village of Glendale Heights	Mike	Zoellner	
Village of Hinsdale	Griffin	Driscoll	
Village of Hinsdale	Tom	Gallagher	
Village of Hinsdale	Vernon	Gliot	
Village of Hinsdale	Shawn	Johnson	
Village of Hinsdale	Juan	Marin	
Village of Hinsdale	Eric	Kasperski	
Village of Hinsdale	Wes	Phenegar	
Village of Hinsdale	Jim	Sedlacek	
Village of Hinsdale	Dan	Williams	
Illinois State Toll Highway Authority	Phil	Cassman	
Illinois State Toll Highway Authority	Kevin	Sweeney	
Village of La Grange Park	Tony	DeSanto	

DUPAGE COUNTY ROADS WORKSHOP October 24, 2019			
Agency	First Name	Last Name	
Village of La Grange Park	Pat	Hurley	
Village of La Grange Park	Gary	Moore	
Village of La Grange Park	Casey	Schuenemann	
Lisle Township Road District	Andrew	Bark	
Lisle Township Road District	Mike	Dow	
Lisle Township Road District	Brad	Pich	
Lisle Township Road District	John	Quinn	
Lisle Township Road District	Chris	Reeder	
Lisle Township Road District	Randy	Tomsovic	
Village of Lombard	Dylan	Brown	
Village of Lombard	Colin	Gaerlan	
Village of Lombard	Bill	Harvey	
Village of Lombard	Josh	Leonard	
Village of Lombard	Adam	McGown	
Village of Lombard	Zach	McKamey	
Village of Lombard	Scott	Neerz	
Village of Lombard	Nick	Tuttle	
Village of Lombard	Tom	Vokac	
Milton Township Highway Department	Brandon	Bielik	
Milton Township Highway Department	Mike	Britton	
Milton Township Highway Department	Jim	Mauerman	
Milton Township Highway Department	Gary	Muehlfelt	
Milton Township Highway Department	Joe	Ocasio	
Milton Township Highway Department	John	Scott	
Milton Township Highway Department	Cliff	Williams	

DUPAGE COUNTY ROADS WORKSHOP October 24, 2019			
Agency	First Name	Last Name	
Naperville Township Road District	David	Marshall	
Naperville Township Road District	Adrian	Quinones	
Naperville Township Road District	Pat	Testin	
Naperville Township Road District	Larry	Wehner	
Village of Riverside	Edward	Bailey	
Robinson Engineering	Melanie	Arnold	
Village of Streamwood	Matthew	Mann	
Village of Streamwood	Brian	Spaid	
City of Warrenville	Jamie	Clark	
City of Warrenville	Rob	Ingram	
City of Warrenville	Jamie	Leonard	
City of Warrenville	Dave	Neal	
City of Warrenville	Jeff	Simmons	
Wayne Township Road District	Phil	Coconato	
Wayne Township Road District	Rick	Deeke	
Wayne Township Road District	Chad	Dumont	
Wayne Township Road District	Gavin	Phillips	
City of West Chicago	Adam	Barney	
City of West Chicago	Kyle	Bartels	
City of West Chicago	Kiel	Day	
City of West Chicago	Don	Feld	
City of West Chicago	Don	Gates	
City of West Chicago	Tyler	Hoffman	
City of West Chicago	Jim	Lambert	
City of West Chicago	Ron	Milam	

DUPAGE COUNTY ROADS WORKSHOP October 24, 2019			
Agency	First Name	Last Name	
City of West Chicago	Ryan	Miller	
City of West Chicago	Jordan	Shook	
Village of Westmont	Zach	Chorney	
Village of Westmont	Randy	Tuchow	
Village of Westmont	Patrick	Vath	
Winfield Township Road District	John	Dusza	
Winfield Township Road District	Philip	Bergman	
Winfield Township Road District	Bradley	Kinley	
Winfield Township Road District	Christo	Petzer	
Winfield Township Road District	Brian	Welch	
York Township Highway Department	Nick	Berkshire	
York Township Highway Department	Dan	Lindeen	

Attachment B

List of Registrants at the 2019 Parking Lots and Sidewalks Deicing Workshop

DUPAGE PARKING LOTS & SIDEWALKS WORKSHOP October 17, 2019			
Agency	First Name	Last Name	
Community Consolidated School District 93	George	Baunach	
Community Consolidated School District 93	Steve	Drwal	
Community Consolidated School District 93	Carlos	Hernandez	
Community Consolidated School District 93	Elda	Juarez	
Community Consolidated School District 93	Art	Juarez	
Cook County Forest Preserve District	Alma	Arias	
Cook County Forest Preserve District	Lisa	Buzcko	
Cook County Forest Preserve District	Andres	Canedo	
Cook County Forest Preserve District	Thurman	DeMills	
Cook County Forest Preserve District	William	Deutscher	
Cook County Forest Preserve District	Timothy	Fadden	
Cook County Forest Preserve District	David	Ferguson	
Cook County Forest Preserve District	Aristidis	Giatras	
Cook County Forest Preserve District	Freddie	Gordils	
Cook County Forest Preserve District	Lindsay	Ivanyi	
Cook County Forest Preserve District	AJ	Jackson	
Cook County Forest Preserve District	Mark	Jaeger	
Cook County Forest Preserve District	Kenneth	Jones	
Forest Preserve District of Cook County	Timothy	Keane	
Forest Preserve District of Cook County	Jake	Mahoney	
Forest Preserve District of Cook County	Pedro	Mendez	
Forest Preserve District of Cook County	Frank	Ruscitti	
Forest Preserve District of Cook County	Elgin	Willis	
Forest Preserve District of Cook County	Joseph	Wilmes	
Forest Preserve District of Cook County	Richard	Wonogas	

DUPAGE PARKING LOTS & SIDEWALKS WORKSHOP October 17, 2019								
Agency	First Name	Last Name						
Forest Preserve District of Cook County	Derrick	Woods						
Diocese of Joliet	Neil	Harris						
Diocese of Joliet	Chris	Nye						
Downers Grove Park District	Mike	Stelter						
DuPage County DOT	Rogelio R.	Hernandez						
DuPage County DOT	Jose	Romero						
DuPage County DOT	Romero	Vargas						
DuPage County Public Works	Tim	Harbaugh						
DuPage County Stormwater Management	Jen	Boyer						
Forest Preserve District of DuPage County	Jordan	Murison						
Forest Preserve District of DuPage County	Michael	Sances						
City of Elgin	Rob	Berg						
City of Elgin	Rich	Ciaffarafa						
City of Elgin	Tom	Corbett						
City of Elgin	Clay	Rasmussen						
Elk Grove Village	Brian	Misiak						
Elk Grove Village	Tony	Potucek						
Fermi National Accelerator Laboratory	Paul	Heckelberg						
Fox Valley Park District	Steve	Cluchey						
Fox Valley Park District	Stuart	Hansen-Daly						
Fox Valley Park District	Tom	Juline						
Fox Valley Park District	Kevin	Kraabel						
Fox Valley Park District	Doug	Quigley						
Fox Valley Park District	Richard	Williams						
Village of Glen Ellyn	Ben	Atkinson						

DUPAGE PARKING LOTS & SIDEWALKS WORKSHOP October 17, 2019								
Agency	First Name	Last Name						
Village of Glen Ellyn	Julius	Hansen						
Village of Glen Ellyn	Steve	Hughes						
Glenbard Wastewater Authority	Henry	Altott						
Glenbard Wastewater Authority	Bob	Chejlava						
Village of Hinsdale	Logan	Albanese						
Village of Hinsdale	Derek	Danylevsky						
Village of Hinsdale	Juan	Marin						
Village of Hinsdale	Ryan	McCarthy						
Village of Hinsdale	Don	Miller						
Village of Hinsdale	Jordan	Ruban						
Village of Hinsdale	Dave	Wisniowicz						
Village of Hoffman Estates	Marc	Marcelo						
Village of La Grange Park	John	Jandak						
Village of La Grange Park	Larry	Leonard						
The Morton Arboretum	Casey	Roth						
MWRDGC	Mark	D'Ambrosia						
MWRDGC	John	D'Ambrosia						
MWRDGC	Marc	Jones						
MWRDGC	Kathy	Lal						
MWRDGC	Melvin	Mendez						
MWRDGC	Dennys	Mendez						
MWRDGC	Joe	Meyer						
MWRDGC	Brian	Moritz						
MWRDGC	Chaz	Payne						
MWRDGC	Elon	Roland						

DUPAGE PARKING LOTS & SIDEWALKS WORKSHOP October 17, 2019								
Agency	First Name	Last Name						
MWRDGC	Kimberly	Tatro						
MWRDGC	Elias	Torres						
MWRDGC	Lucy	Wilson						
MWRDGC	Keith	Zirbes						
Naperville Park District	Drew	Hogue						
Skokie Park District	Steve	Ames						
Skokie Park District	John	Gacki						
Skokie Park District	Corrie	Guynn						
Skokie Park District	Peter	Haben						
Skokie Park District	Jeff	Hacker						
Skokie Park District	Jim	Hallm						
Skokie Park District	Lee	Hansen						
Skokie Park District	Mark	Pasignajen						
Skokie Park District	Anthony	Szmergalski						
Skokie Park District	Ralph	Thillet						
The University of Illinois at Chicago	Frances	Ritchie						
Valley View School District	Jim	Burns						
Valley View School District	Levi	Ellexson						
Valley View School District	Mike	Singleton						
Waubonsee Community College	Riley	Betz						
Waubonsee Community College	Jose	Gomez						
Waubonsee Community College	David	McReynolds						
Waubonsee Community College	Bobby	Waszak						
Waubonsee Community College	Gene	Wojtal						
Waubonsee Community College	Joe	Zappia						

DUPAGE PARKING LOTS & SIDEWALKS WORKSHOP October 17, 2019						
Agency	First Name	Last Name				
Village of Westmont	Eric	Borys				
Village of Westmont	Kyle	Buschman				
Village of Westmont	Noriel	Noriega				
Village of Westmont	Randy	Tuchow				
Wheaton Sanitary District	Zach	Billings				
Wheaton Sanitary District	Zack	Bond				

Appendix C

Summary of Public Outreach, March 2019 to March 2020

ILLINOIS TOLLWAY GENERAL NPDES PERMIT NO. ILR40 Summary of Summary of Public Outreach, March 2019 to March 2020

Central Tri-State Public Open Houses:

May 20, 2019 – Burr Ridge May 21, 2019 – Justice May 22, 2019 – Schiller Park June 11, 2019 – I-294/I-290/I-88 Interchange (Community Open House)

Interchanges:

June 25, 2019 – I-294/I-57 Open House August 20, 2019 – IL-390 at US-20 Study Information Meeting December 10, 2019 – I-88 at IL-47 Interchange Open House December 10, 2019 – I-90 at IL-23 Open House

Appendix D

Summary of Illicit Discharges March 2019 to March 2020

ILLINOIS TOLLWAY GENERAL NPDES PERMIT NO. ILR40 Summary of Illicit Discharges March 2019 to March 2020

IEMA Number (Illinois Tollway Special Issues Log Number)	Roadway, Direction	M.P. No.	Incident Description	Response/Resolution	Date of Illicit Discharge Report	Tollway 24- hour IEPA notification	Tollway 5-day Report to IEPA
N/A	390 at Willow Creek	ŕ	On August 31, 2018, the Illinois Tollway was notified of a tractor-trailer accident that occurred on the mainline roadway and lost 80 gallons of diesel fuel from its saddle fuel tank into the Tollway storm drainage system. The illicit discharge was not the result of Tollway activities.	The Tollway employed oil boom across the stream at the upsteam end of the work area. The sheen was then tracked upstream which led away from Tollway property. The Village of Bensenville confirmed the sheen originated from either Village limits or a neighboring Village. The Illinois Tollway did not find cause to report the incident to IEMA as the source of the sheen was off-site and Village public works were handling the issue.	8/31/2018	n/a	n/a
N/A	I- Elmhurst Rd. at I-90	N/A	On May 17, 2019, the Illinois Tollway was notified of a tanker accident that occurred on the mainline roadway and a small amount of ethanol discharged into a retention area. The illicit discharge was not the result of Tollway activities.	The Tollway Maintenance Manager directed a recovery company to clean-up the remaining ethanol.	5/17/2019	n/a	n/a
N/A	Elmhurst Rd. at I-90	N/A	On February 11, 2019, a truck fuel tank was emptied on the NB shoulder. The illicit discharge was not the result of Tollway activities.	Tollway Maintenance contained it by employing booms and scraping and oil drying the shoulder. On 4/8/2019 the contractor removed residual soil contamination associated with the incident. The area was then topsoiled, seeded and blanketed.	2/11/2019	n/a	n/a

Appendix E

Summary of NPDES Construction Activity Permit Compliance Milestones March 2019 to March 2020

ILLINOIS TOLLWAY GENERAL NPDES PERMIT NO. ILR40 CONSTRUCTION ACTIVITY COMPLIANCE MILESTONES MARCH 2017 to MARCH 2018 REPORTING PERIOD

Tollway Contract Number	Description	Pre-Con Minutes Received	SWPPP Received	Disturbed Area (Acres) NOI On File	IEPA issued NPDES permit in file	Weekly E&S Control Inspections (A-38s)	E&S Control Inspections (A-38s) After Precipitation	Independent E&S Control Inspectors have	ION Issued	NOT Received
4399	Systemwide Fencing and Site Improvements (I-90, I-355)	07/09/2018 Pre- Construction Meeting Agenda in e-Builder	SWPPP provided	1.0 acres	ILR10AS42	Inspections demonstrated by A-38s; A-38s on file (e-Builder)	Inspections			02/24/20
9014	Central Administration East Parking Lot Improvements	4/07/2018 pre-con mtg discussed Erosion and Sediment Control, Agenda in e-Builder	SWPPP provided	1.0 acres	ILR10AC41	Inspections demonstrated by A-38s; A-38s on file (e-Builder)		2018-2019 2IM audit forms on file in e-Builder		02/24/20
4117	I-88 Roadway Reconstruction, East-West Connector	04/17/2018 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	29 acres	ILR10AT43	Inspections demonstrated by A-38s; A-38s on file (e-Builder)		2019-2020 GSG audit forms on file in e-Builder		02/24/20
4403	I-88 Ramp Reconstruction, Orchard Road Interchange, MP 114.4	08/08/2019 pre-con mtg Erosion and Sediment Control, minutes in e-Builder	SWPPP provided	36 acres	ILR10AG32	Inspections demonstrated by A-38s; A-38s on file (e-Builder)	Inspections demonstrated by A-38s; A-38s on file (e-Builder)	2019 GSG audit forms on file in e- Builder		02/24/20
4451	I-88 Pavement and Structural Preservation and Rehab, IL 56 to IL 59	05/03/2019 pre-con mtg discussed Erosion and Sediment Control, minutes in e-Builder	SWPPP provided	8.7 acres	ILR10AW15	Inspections demonstrated by A-38s; A-38s on file (e-Builder)		2019-2020 2IM audit forms on file in e-Builder		02/24/20
4258	I-90 Reconstruction of the M-7 Rockford Facility	10/11/2016 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	12.5 acres	ILR10X557	Inspections demonstrated by A-38s; A-38s on file (e-Builder)	Inspections demonstrated by A-38s; A-38s on file (e-Builder)	2018-2019 GSG audit forms on file in e-Builder	09/6/2018; 05/31/2019; 08/08/2019; 06/20/2019	01/06/20
4695	I-90 Collector-Distributors Over Higgens Creek Bridge, MP 73.9 - MP 74.2	07/31/2018 pre-con mtg discussed E&S control/NPDES	SWPPP provided	1.0 acres	ILR10AH11	Inspections demonstrated by A-38s; A-38s on file (e-Builder)	Inspections demonstrated by A-38s; A-38s on file (e-Builder)	2019 GSG audit forms on file in e- Builder	03/19/2019; 05/03/2019	12/20/19
	EOWA (I-490/I-90 Bridge Construction & Building Demo, Elmhurst Rd	07/31/2018 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	25 acres	ILR10AH12	Inspections demonstrated by A-38s; A-38s on file (e-Builder)		2018-2019 GSG audit forms on file in e-Builder		12/20/19
4455	I-294 Grading, Erosion Control, and Sluice Gate Path Repair, Demster St	05/10/2019 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	2.2 acres	ILR10AW16	Inspections demonstrated by A-38s; A-38s on file (e-Builder)		2019 GSG audit forms on file in e- Builder		12/16/19
4448	I-90 Misc.Drainage and Environmental Repairs and Improvements	08/02/2019 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	2.8 acres	ILR10AZ24	Inspections demonstrated by A-38s; A-38s on file (e-Builder)		2019 GSG audit forms on file in e- Builder		12/16/19
4253	I-88 Roadway and Bridge Reconstruciton, IL 251 to Annie Glidden Rd	3/14/18 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	86 acres	ILR10Z885	Inspections demonstrated by A-38s; A-38s on file (e-Builder)		2018-2019 GSG audit forms on file in e-Builder		12/16/19

ILLINOIS TOLLWAY GENERAL NPDES PERMIT NO. ILR40 CONSTRUCTION ACTIVITY COMPLIANCE MILESTONES MARCH 2017 to MARCH 2018 REPORTING PERIOD

Description	Pre-Con Minutes Received	SWPPP Received	Disturbed Area (Acres) NOI On File	IEPA issued NPDES permit in file	Weekly E&S Control Inspections (A-38s)	E&S Control Inspections (A-38s) After Precipitation	Control Inspectors have	ION Issued	NOT Received
I-88 Roadway and Bridge Reconstruction Annie Glidden to IL 56	3/14/18 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	450 acres	ILR10Z882	Inspections demonstrated by A-38s; A-38s on file (e-Builder)	Inspections demonstrated by A-38s; A-38s on file (e-Builder)	2018-2019 GSG audit forms on file in e-Builder		12/16/19
I-88 Ramp Reconstruction IL 56 Ramp B	3/14/18 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	4 acre	ILR10AR36	Inspections demonstrated by A-38s; A-38s on file (e-Builder)	Inspections demonstrated by A-38s; A-38s on file (e-Builder)	2019 GSG audit forms on file in e- Builder		12/16/19
I-90 Misc. Drainage and Environmental Repairs and Improvements	5/20/18 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	1.6 acres	ILR10AU36			2019 GSG audit forms on file in e- Builder		12/16/19
Tri-stte Tollway (I-94) Bradley Road Reconstruction MP 17.3	05/30/2017 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	3.36 acres	ILR10AA83			GSG audit forms on file in e-Builder	09/05/2019; 6/20/2018	11/18/19
I-90 Reconstruction and Site Improvements M-6 Maintenance Facility	05/19/17 Kick-off meeting minutes in e-Builder	SWPPP provided	12.3 acres	ILR10AB79		Inspections demonstrated by A-38s; A-38s on file (e-Builder)	GSG audit forms on file in e-Builder		11/04/19
EOWA Advance Earthwork and Retaining Wall Construction I-294/I-490	5/16/18 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	13.5 acres	ILR10AB60		Inspections demonstrated by A-38s; A-38s on file (e-Builder)	GSG audit forms on file in e-Builder		11/04/19
I-294 Bridge Reconstruction and Ramp Rehabilitation at 159th Street	04/17/18 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	11.0 acres	ILR10AA02		Inspections demonstrated by A-38s; A-38s on file (e-Builder)	GSG audit forms on file in e-Builder		09/10/19
I-294 Roadway Rehabilitation & Wideing, MP 29.4 - MP 30.6	e-Builder file n/a	SWPPP provided	2.5 acres	ILR10AE57		Inspections demonstrated by A-38s; A-38s on file (e-Builder)	GSG audit forms on file in e-Builder		10/03/19
I-88 Bridge Reconstruction and Interchange Improvements Farnsworth	e-Builder file n/a	SWPPP provided	e-Builder file n/a	ILR10X381	Inspections demonstrated by A-38s; A-38s on file (e-Builder)	Inspections demonstrated by A-38s; A-38s on file (e-Builder)	e-Builder file n/a		10/03/19
I-294 Roadway and Bridge Rehabilitation, MP 36.3 to MP 40.0	5/29/18 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	11.5 acres	ILR10AG60			e-Builder file n/a	8/28/2018	10/03/19
I-90 Roadway and Bridges EB Elgin Plaza to Fox River	01/28/16 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	42.2 acres	ILR10W241			e-Builder file n/a		10/03/19
I-294 Pavement and Bridge Repairs and Preservation, MP 0.0 to MP 8.25	03/03/17 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	240 acres	ILR10Y195			e-Builder file n/a		10/03/19
I-90 Grading Improvements, MP 70.8 to MP 78.3	5/23/18 Erosion Control Kick-off meeting minutes in e-Builder	SWPPP provided	14 acres	ILR10A123		Inspections demonstrated by A-38s; A-38s on file (e-Builder)	GSG audit forms on file in e-Builder		08/14/19
	I-88 Roadway and Bridge Reconstruction Annie Glidden to IL 56 I-88 Ramp Reconstruction IL 56 Ramp B I-90 Misc. Drainage and Environmental Repairs and Improvements Tri-stte Tollway (I-94) Bradley Road Reconstruction MP 17.3 I-90 Reconstruction and Site Improvements M-6 Maintenance Facility EOWA Advance Earthwork and Retaining Wall Construction I-294/I-490 I-294 Bridge Reconstruction and Ramp Rehabilitation at 159th Street I-294 Roadway Rehabilitation & Wideing, MP 29.4 - MP 30.6 I-88 Bridge Reconstruction and Interchange Improvements Farnsworth I-294 Roadway and Bridge Rehabilitation, MP 36.3 to MP 40.0 I-90 Roadway and Bridges EB Elgin Plaza to Fox River I-294 Pavement and Bridge Repairs and Preservation, MP 0.0 to MP 8.25	I-88 Roadway and Bridge Reconstruction Annie Glidden to IL 56 I-88 Ramp Reconstruction IL 56 Ramp B I-88 Ramp Reconstruction IL 56 Ramp B I-90 Misc. Drainage and Environmental Repairs and Improvements I-90 Misc. Drainage and Environmental Repairs and Improvements I-90 Reconstruction and Site Improvements M-6 Maintenance Facility EOWA Advance Earthwork and Retaining Wall Construction I-294/I-490 EOWA Advance Earthwork and Retaining Wall Construction I-294/I-490 I-90 Reconstruction and Ramp Rehabilitation at 159th Street I-94 Roadway Rehabilitation & Wideing, MP 29.4 - MP 30.6 I-88 Bridge Reconstruction and Interchange Improvements Farnsworth I-90 Roadway and Bridge Rehabilitation, MP 36.3 to MP 40.0 I-90 Roadway and Bridge Repairs and Preservation, MP 0.0 to MP 8.25 I-90 Grading Improvements, MP 70.8 to MP 78.3 I-90 Grading Improvements, MP 70.8 to MP 78.3 I-90 Grading Improvements, MP 70.8 to MP 78.3 I-90 Grading Improvements, MP 70.8 to MP 78.3	L-88 Roadway and Bridge Reconstruction Annie Glidden to IL 56 SWPPP movided -88 Ramp Reconstruction IL 56 Ramp B SWPPP provided -88 Ramp Reconstruction IL 56 Ramp B SWPPP provided -88 Ramp Reconstruction IL 56 Ramp B SWPPP provided -80 Misc. Drainage and Environmental Repairs and Improvements S/20/18 Erosion Control Kick-off meeting minutes in e-Builder -90 Misc. Drainage and Environmental Repairs and Improvements S/20/18 Erosion Control Kick-off meeting minutes in e-Builder -90 Reconstruction and Site Improvements M-6 S/30/2017 Erosion Control Kick-off meeting minutes in e-Builder -90 Reconstruction and Site Improvements M-6 S/19/17 Kick-off meeting minutes in e-Builder -90 Reconstruction and Ramp Rehabilitation at 159th Street SWPPP provided -90 Reconstruction and Ramp Rehabilitation at 159th Street SWPPP provided -90 Readway Rehabilitation & Wideing, MP 29.4 - MP 30.6 SWPPP provided -90 Readway Rehabilitation & Wideing, MP 29.4 - MP 30.6 SWPPP provided -90 Readway and Bridge Rehabilitation, MP 36.3 to MP 40.0 SWPPP provided -90 Roadway and Bridge Repairs and Preservation, MP 40.0 SWPPP provided -90 Roadway and Bridge Repairs and Preservation, MP 0.0 to MP 8.25 SWPPP provided -90 Grading Improvements, MP 70.8 to MP 78.3 SWPPP provided -90 Grading Improvements, MP 70.8 to MP 78.3 SWPPP provided -90 Grading Improvements, MP 70.8 to MP 78.3 SWPPP provided -90 Grading Improvements, MP 70.8 to MP 78.3 SWPPP provided -90 Grading Improvements, MP 70.8 to MP 78.3 SWPPP provided -90 Grading Improvements, MP 70.8 to MP 78.3 SWPPP provided -90 Grading Improvements, MP 70.8 to MP 78.3 SWPPP provided -90 Grading Improvements, MP 70.8 to MP 78.3 SWPPP provided -90 Grading Improvements, MP 70.8 to MP 78.3 SWPPP -90 Grading Improvements, MP 70.8 to MP 78.3 SWPPP -90 Grading Improvements, MP 70.8 to MP 78.3 SWPPP -90 Grading Improvements, MP 70.8 to MP 78.3 SWPPP -90 Grading Improvements, MP	Description Pre-Con Minutes Received Received Received Received Received Received File	Description Pre-Com Minutes Received Received	Pescription Pre-Con Minutes Received Received	Pre-Con Minutes Received Re	Description Per-Con Minutes Received Received File MPDB parmetin In Impections (A-38) and precisions (A-38)	Description Pro-Cont Minutes Received Received

Appendix F

Maintenance Facility SWPPP Inspection Reports May 2019

FY2019 Year-End Status Report

NPDES Maintenance Facility









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APPENDICES

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M-1 Maintenance Facility Inspection Report (Alsip, IL)

APPENDIX B

M-2 Maintenance Facility Inspection Report (Hillside, IL)

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M-3 Maintenance Facility Inspection Report (Park Ridge, IL)

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M-4 Maintenance Facility Inspection Report (Gurnee, IL)

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M-4 Deerfield Road Salt Dome Inspection Report (Northbrook, IL)

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M-5 Maintenance Facility Inspection Report (Arlington Heights, IL)

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M-6 Maintenance Facility Inspection Report (Marengo, IL)

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M-7 Maintenance Facility Inspection Report (Rockford, IL)

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M-8 Maintenance Facility Inspection Report (Naperville, IL)



APPENDIX J

M-8 Sign Shop & Central Warehouse Inspection Report (Naperville, IL)

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M-11 Maintenance Facility Inspection Report (DeKalb, IL)

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M-11 IL Route 47 Salt Dome Inspection Report (DeKalb, IL)

APPENDIX M

M-12 Maintenance Facility Inspection Report (Dixon, IL)

APPENDIX N

M-12 IL Route 251 Salt Dome Inspection Report (Rochelle, IL)

APPENDIX O

M-14 Maintenance Facility Inspection Report (Downers Grove, IL)

APPENDIX P

M-14 Central Support Facility Inspection Report (Downers Grove, IL)

APPENDIX Q

M-14 Spring Creek Maintenance Annex Inspection Report (Lockport, IL)

APPENDIX R

M-16 Temporary Facility Inspection Report (Elk Grove Village, IL)





1.0 Introduction

The National Pollutant Discharge Elimination System (NPDES) Phase II regulations (40 Code of Federal Regulations (CFR) Part 122.33) requires operators of regulated small municipal separate storm sewer systems (MS4's) to apply for coverage under a NPDES permit for discharges from its storm sewer system. As an operator of an MS4, the Illinois Tollway was issued coverage under the statewide General NPDES Permit (ILR40) from the Illinois Environmental Protection Agency (IEPA) as Permit No. ILR400494. The current General NPDES Permit ILR40 has an effective date of March 1, 2016 and an expiration date of February 28, 2021.

The regulations (40 CFR 122.34) also require that all MS4 operators develop, implement, and enforce a written Stormwater Management Program (SWMP) designed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act. The SWMP is required to include six minimum control measures (MCMs):

- 1. Public education and outreach on stormwater impacts
- 2. Public involvement and participation
- 3. Illicit discharge detection and elimination
- 4. Construction site stormwater runoff control
- 5. Post-construction stormwater management in new development and redevelopment
- 6. Pollution prevention and good housekeeping for municipal-type operations

For each of the six MCMs, the MS4 is required to establish BMPs and measurable goals to ensure the reduction of all of the pollutants of concern in the MS4's storm water discharges to the maximum extent practicable.

The Illinois Tollway developed a Facilities Stormwater Pollution Prevention Plan (Facilities SWPPP) to, in part, fulfill requirements of the Pollution Prevention/Good Housekeeping MCM. The Facilities SWPPP provides an overview of the facilities operated by the Illinois Tollway, the operations conducted at these facilities, the potential pollutants associated with the facilities and operations, the maintenance and mitigative measures to be used to reduce potential impacts to stormwater, an employee training program for stormwater protection, and an inspection and record-keeping process.

This report contains the year-end completion status of the NPDES SWPPP inspections performed at Illinois Tollway Maintenance Facilities completed in May 2019.





2.0 Inspection Scope and Methodology

The Illinois Tollway General Engineering Consultant (GEC) performs an annual inspection of each maintenance facility to achieve the following objectives:

- Identify conditions or practices that could potentially result in impacts to stormwater and result in an illicit discharge and/or non-compliance with the Illinois Tollway's IEPA NPDES MS4 permit; and
- Evaluate the effectiveness and adequacy of the requirements contained within the Facility SWPPP.

Key elements of the inspections are as follows:

- Work Practices: Interior and exterior work spaces are inspected for maintenance and/or operations work practices which have the potential to impact stormwater quality. These include general housekeeping, fueling, equipment storage, outdoor vehicle and equipment storage and parking, vehicle maintenance, liquid storage in aboveground storage tanks, salt and deicing liquid storage and transfer, vehicle washing, waste management, spill containment and response, oil-water separator operation and maintenance, and chemical storage. The inspector verifies:
 - Hazardous materials including, but not limited to, used oil and solvents are stored in a manner that prevents their exposure to stormwater;
 - Vehicle maintenance, vehicle fueling, vehicle/equipment washing, and materials handling are conducted in a manner the minimizes impacts to stormwater;
 - Storage tanks are in good physical condition and maintained in a manner to prevent and readily detect spills or releases;
 - Adsorbent material or spill response materials are stored at the facility in a manner that promotes rapid response;
 - Oil-water separators, sump pits, secondary containments, and other structural BMPs are properly maintained and are in good working order; and
 - General refuse and other wastes are properly stored and contained.
- Erosion: Exterior areas are inspected for excessive erosion and areas that are devoid of vegetation or other required stabilization measures to effectively control erosion and





prevent sedimentation. Additionally, perimeter controls, ditches and stormwater detention ponds are inspected for excessive sediment accumulation or turbidity.

- Materials Management: Locations of erodible material storage piles including, but not limited to, sweepings, ditch sediment cleanings, gravel, salt, asphalt grindings, concrete and soil are inspected to determine if materials are stored in a manner which minimizes or prevents the potential to impact stormwater. The inspector verifies that:
 - Erodible material storage locations are located away from surface water and drainage pathways; and
 - Erodible materials are stored in a manner to prevent or minimize contact with stormwater and prevent discharge into the stormwater drainage system.
- Drainage System and Pollution Sources: The stormwater drainage system and potential pollutant sources are reviewed to confirm that conditions described in the Facility SWPPP are accurate.

Currently, the following Illinois Tollway facilities are subject to annual SWPPP inspections:

- M-1 Maintenance Facility (Alsip, IL)
- M-2 Maintenance Facility (Hillside, IL)
- M-3 Maintenance Facility (Park Ridge, IL)
- M-4 Maintenance Facility (Gurnee, IL)
- M-4 Deerfield Road Salt Dome (Northbrook, IL)
- M-5 Maintenance Facility (Arlington Heights, IL)
- M-6 Maintenance Facility (Marengo, IL)
- M-7 Maintenance Facility (Rockford, IL)
- M-8 Maintenance Facility (Naperville, IL)
- M-8 Central Warehouse & Sign Shop (Naperville, IL)
- M-11 Maintenance Facility (DeKalb, IL)
- M-11 IL Route 47 Salt Dome (DeKalb, IL)
- M-12 Maintenance Facility (Dixon, IL)
- M-12 IL Route 251 Salt Dome (Rochelle, IL)
- M-14 Maintenance Facility (Downers Grove, IL)
- M-14 Central Support Facility (Downers Grove, IL)
- M-14 Spring Creek Maintenance Annex (Lockport, IL)
- M-16 Temporary Facility (Elk Grove Village, IL)





3.0 Program Reporting and Communication

This *Year-End Status Report* serves to document the outstanding corrective actions to address the deficiencies identified during the Facility SWPPP inspections. This report is provided to the Maintenance Area District Managers for review and implementation of the recommended corrective actions in coordination with the Facility Manager and Supervisor for each facility. Corrective actions are prioritized based on the following risk factors: human health and safety, impairment to receiving waters of the state, cost, benefit, and feasibility.

Copies of the Annual Inspection Report are retained at each facility. The Illinois Tollway advises the Illinois EPA on the results of the inspections in the submitted annual report in accordance with the requirements of the Illinois Tollway's MS4 permit. Each annual report covers the period from March of the previous year through March of the current year.





4.0 Inspection Findings and Recommendations

Below is a summary of the remaining deficiencies at the time of the Year-End Status Inspection and the associated recommended corrective actions. Refer to the individual *SWPPP Inspection Reports* contained within the appendices for more information.

M-1 Maintenance Facility (Alsip, IL)

- 1. Replace the "Waste Oil" sign in the Vehicle Maintenance Area with "Used Oil" per 40 CFR § 279.22. **Deficiency corrected (12-09-2019).**
- 2. Provide signage to identify the contents of dumpsters. **Deficiency corrected (12-09-2019).**
- Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to potential larger spills and supplement the granular adsorbent currently provided. Label the existing clean adsorbent container using an adhesive label designed for this purpose. Deficiency corrected (12-09-2019).
- 4. Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. **Deficiency not corrected (See inspection form for details).**
- 5. Provide lids for open top containers to prevent spillage and label all waste containers in the Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**
- 6. The Asphalt Emulsion AST is not labeled and is corroded. Label the tank with contents, storage capacity, hazards, and warnings. Consider replacing the tank due to corrosion. **Deficiency corrected (12-09-2019).**
- Label the contents of the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose (see Photo 4). Deficiency corrected (12-09-2019).
- 8. Label the contents for the Used Oil Filter Bins using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**





M-2 Maintenance Facility (Hillside, IL)

- 1. Provide signage to identify the contents of dumpsters. **Deficiency corrected (12-09-2019).**
- Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills and supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container with an adhesive label designed for this purpose. Deficiency corrected (12-09-2019).
- 3. Replace the faded labels on the E-85 Aboveground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Provide a spill kit with adsorbent socks and pads at the E-85 AST. **Deficiency corrected (12-09-2019).**
- 4. Cap and seal all hydraulic lines for stored plows and salt spreaders. **Deficiency corrected** (12-09-2019).
- 5. Replace the faded labels on the Used Oil Aboveground Storage Tank. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22. **Deficiency corrected (12-09-2019).**
- Repair a small leak that was observed near the distribution valves/fittings. An uncovered, unlabeled polyethylene drum was observed near the brine AST. Personnel indicated the contents originated from draining truck tanks for the summer season. Drum should be emptied, and contents managed/disposed of appropriately. Deficiency corrected (12-09-2019).
- 7. Provide a commercial drip pan for use at the Used Oil Filter Draining Station, eliminating use of an open top bucket. Clean areas of spills with adsorbent and an enzyme or biodegradable cleaner. **Deficiency corrected (12-09-2019).**
- 8. Label the contents of the Used Oil Filter Bin using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**
- Label all containers in the Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. Deficiency corrected (12-09-2019).
- 10. Provide labeling for the Asphalt Emulsion AST including contents, capacity, hazards and warnings. **Deficiency corrected (12-09-2019).**
- 11. Oil stains are located at various locations in the Vehicle Service Area and Used Oil/Antifreeze Transfer Area. Clean the area of the stains using an enzyme or biodegradable cleaner. Use drip pans and adsorbent pads where practical during operations. **Deficiency corrected (12-09-2019).**
- 12. Label the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label. **Deficiency corrected (12-09-2019).**





M-3 Maintenance Facility (Park Ridge, IL)

- Active equipment hydraulic leaks were observed in the Truck Parking Area. Repair leaking
 equipment and maximize use of drip pans or adsorbent pads where practical. Clean spill
 areas using adsorbent and an enzyme or biodegradable cleaner. **Deficiency corrected**(12-09-2019).
- 2. Provide signage to identify the contents of dumpsters. **Deficiency not corrected (See inspection form for details).**
- 3. Ensure that lids for refuse dumpsters remain closed when not in use. **Deficiency** corrected (12-09-2019).
- 4. Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container with an adhesive label designed for this purpose. **Deficiency** corrected (12-09-2019).
- 5. Salt spreaders and plows are actively leaking hydraulic fluid. Cap and seal all hydraulic lines and repair leaking equipment. Clean spill areas using adsorbent and an enzyme or biodegradable cleaner. **Deficiency corrected (12-09-2019).**
- Replace faded labels on the Used Oil Above Ground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22. Deficiency corrected (12-09-2019).
- Active oil spill and stains are present in the Vehicle Service Area and Used Oil Transfer Area. Clean the areas with adsorbents and an enzyme or biodegradable cleaner, use and provide drip pans and adsorbent pads where practical, and hang hoses to prevent drips.
 Deficiency corrected (12-09-2019).
- 8. Label the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose. **Deficiency not corrected (See inspection form for details).**
- 9. Provide labeling for the Asphalt Emulsion AST including contents, storage capacity, hazards, and warnings. Verify the use of the existing "Flammable" labeling. **Deficiency not corrected (See inspection form for details).**
- 10. Remove and properly dispose of any surplus or out-of-date drummed material from inside the Maintenance Building. **Deficiency corrected (12-09-2019).**
- 11. Oil stains are present on the pavement outside the maintenance facility, directly behind the Used Oil Filter Draining Station. Clean oil stained areas with an enzyme or biodegradable cleaner. **Deficiency corrected (12-09-2019).**
- 12. A flammables storage cabinet is located outdoors and over an open storm drain. Relocate the cabinet to a location where a leak or spill will not enter a storm drain, preferably indoors. **Deficiency not corrected (See inspection form for details).**





- 13. Label all waste containers in Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. **Deficiency corrected** (12-09-2019).
- 14. Arrange for recycling pickup of empty drums stored in the Equipment Storage Building or label as "EMPTY" if the drums are to be re-used. **Deficiency corrected (12-09-2019).**
- 15. Label the contents of the Used Oil Filter Bin using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**

M-4 Maintenance Facility (Gurnee, IL)

- The Flammables Storage Cabinet is located outdoors near the Salt Dome and is corroded. Replace with a new cabinet and place indoors or store under cover. **Deficiency corrected** (12-09-2019).
- 2. Provide signage to identify the contents of dumpsters. **Deficiency not corrected (See inspection form for details).**
- 3. Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**
- 4. Replace the faded labels on the E-85 and Diesel Aboveground Storage Tanks. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided. Provide a spill kit with adsorbent socks and pads at the ASTs. **Deficiency** corrected (12-09-2019).
- Cap and seal all hydraulic lines on plows and salt spreaders. Deficiency corrected (12-09-2019).
- 6. Replace faded labels on the Used Oil Above Ground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22. **Deficiency corrected (12-09-2019).**
- 7. Label all waste containers Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. **Deficiency not corrected (See inspection form for details).**
- 8. Relocate the Asphalt Emulsion Tank on a paved surface, indoors or under cover, with a drip tray beneath the valve. **Deficiency corrected (12-09-2019).**
- 9. Label the Asphalt Emulsion Tank with tank contents, storage capacity, hazards and warnings. **Deficiency not corrected (See inspection form for details).**
- 10. Active oil spillage and stains are present in the Used Oil Filter Draining Area. Clean the area with adsorbents and an enzyme or biodegradable cleaner, use adsorbent pads as needed during operation. **Deficiency not corrected (See inspection form for details).**
- 11. Label the contents of the Used Oil Filter Bin using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**





- 12. Oil stains are present on the concrete floor in the Bulk Oil Storage and Distribution Area. Clean the area of the stains using an enzyme or biodegradable cleaner. Use adsorbent pads as needed during operations. **Deficiency corrected (12-09-2019).**
- 13. Clean the curb line and storm drains of accumulated solids on the east side of the Parking Area. **Deficiency corrected (12-09-2019).**
- 14. Restore vegetative cover in the temporary contractor staging area near the east entrance gate. **Deficiency corrected (12-09-2019).**
- 15. Label the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**

M-4 Deerfield Road Salt Dome (Northbrook, IL)

1. Replace the faded labels on the E-85 and Diesel Aboveground Storage Tanks. Ensure that legible labels with tank contents, storage capacity, hazards and warnings are provided. Provide a spill kit with adsorbent socks and pads in the Fueling Area. **Deficiency corrected (12-09-2019).**

M-5 Maintenance Facility (Arlington Heights, IL)

- 1. Provide signage to identify the contents of dumpsters. **Deficiency not corrected (See inspection form for details).**
- Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to potential larger spills and supplement the granular adsorbent currently provided. Label the existing clean adsorbent container using an adhesive label designed for this purpose. Deficiency not corrected (See inspection form for details).
- 3. Replace faded labels on the E-85 AST. Ensure that legible labels with tank content, storage capacity, hazards and warnings are provided. Provide a spill kit with adsorbent socks and pads at E-85 AST. **Deficiency not corrected (See inspection form for details).**
- 4. Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. **Deficiency corrected (12-09-2019).**
- 5. Provide signage for the Calcium Chloride AST. Ensure that signage with tank contents, storage capacity, hazards and warnings are provided. **Deficiency corrected (12-09-2019).**
- 6. Provide signage for the Salt Brine AST. Ensure that signage with tank contents, storage capacity, hazards and warnings are provided. **Deficiency not corrected (See inspection form for details).**
- 7. The Asphalt Emulsion AST is stored outdoors without cover, is not labeled and no drip container is provided. Label the tank with contents, storage capacity, hazards, and warnings. Store tank indoors or under cover with a drip tray below the valve. Deficiency not corrected (See inspection form for details).





- 8. Provide labeling for the Used Oil Filter Bin using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**
- Label the contents of all waste containers with content, generation date and hazard labels in the Hazardous Waste Accumulation Area using an adhesive label designed for this purpose. Deficiency corrected (12-09-2019).
- 10. Label the existing clean adsorbent material container in the Vehicle Maintenance Area using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**
- 11. Clean out the spill containment pit in the Bulk Oil Distribution Area. **Deficiency not corrected (See inspection form for details).**

M-6 Maintenance Facility (Marengo, IL)

- 1. Provide signage to identify the contents of dumpsters. **Deficiency not corrected (See inspection form for details).**
- 2. Replace dumpsters with those that have covers. **Deficiency corrected (12-09-2019).**
- Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed. Deficiency not corrected (See inspection form for details).
- 4. Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. **Deficiency corrected (12-09-2019).**
- 5. Repair the anchors for the tank signage which has been knocked over/fasteners snapped.
- 6. Provide a drip pan for the Asphalt Emulsion Tank. Label the tank with tank contents, storage capacity, hazards and warnings. **Deficiency not corrected (See inspection form for details).**
- 7. Stabilize portion of berm disturbed by contractor with vegetative cover. **Deficiency** corrected (12-09-2019).
- 8. Stabilize the conveyance where stormwater runoff enters facility from adjacent Illinois Department of Transportation right-of-way. **Deficiency not corrected (See inspection form for details).**
- 9. Label the contents of the Used Oil Filter Bin using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**
- 10. Label all waste containers Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. **Deficiency not corrected (See inspection form for details).**





M-7 Maintenance Facility (Rockford, IL)

- 1. Provide signage to identify the contents of dumpsters. **Deficiency not corrected (See inspection form for details).**
- Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose.
 Deficiency not corrected (See inspection form for details).
- 3. Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. **Deficiency corrected (12-09-2019).**
- 4. Provide signage for the Calcium Chloride AST including tank contents, storage capacity, hazards and warnings. **Deficiency not corrected (See inspection form for details).**
- Label the contents for the Used Oil Filter Bin using an adhesive label designed for this purpose. Example labels are attached at the end of this report. Deficiency corrected (12-09-2019).
- 6. Label the contents of the clean adsorbent container in the Tire Shop using an adhesive label designed for this purpose. Example labels are attached at the end of this report. **Deficiency corrected (12-09-2019).**
- 7. Label all waste containers Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. **Deficiency not corrected (See inspection form for details).**

M-8 Maintenance Facility (Naperville, IL)

- 1. Provide signage to identify the contents of the General Refuse Dumpsters. **Deficiency** not corrected (See inspection form for details).
- Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose.
 Deficiency not corrected (See inspection form for details).
- 3. Replace the faded and missing labels on the E-85 Aboveground Storage Tank. Ensure that legible labels with tank contents, storage capacity, hazards and warnings are provided. Provide a spill kit with adsorbent socks and pads at the AST. **Deficiency not corrected (See inspection form for details).**
- 4. Replace faded labels on the Used Oil Above Ground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22. Deficiency corrected (12-09-2019).
- 5. Label the contents for the Used Oil Filter Bins using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**





- 6. Used coolant drums stored near the Used Oil AST are not sealed, are improperly located, and are not properly labeled. **Deficiency corrected (12-09-2019).**
- Relocate drums to store indoors or under cover, seal the drum openings with bung hole caps, and label with an adhesive label designed for this purpose. Deficiency not corrected (See inspection form for details).
- 8. Label all waste containers in the Hazardous Waste Accumulation Areas with contents and generation date using an adhesive label designed for this purpose. **Deficiency corrected** (12-09-2019).
- 9. Provide labeling for the Asphalt Emulsion AST including contents, storage capacity, hazards and warnings. **Deficiency not corrected (See inspection form for details).**
- 10. Store topsoil under cover or provide a tarp to prevent soil in storm runoff from entering stormwater inlets. **Deficiency corrected (12-09-2019).**

M-8 Central Warehouse & Sign Shop (Naperville, IL)

- 1. Label all empty drums as "EMPTY". **Deficiency not corrected (See inspection form for details).**
- 2. Provide a commercial flammables storage cabinet for fuel cans. **Deficiency not corrected (See inspection form for details).**
- 3. The Used Battery Accumulation Area is overloaded. Arrange for more frequent pickup for recycling and use a portion of the remaining covered storage area for temporary storage as needed to prevent contact with stormwater. **Deficiency corrected (12-09-2019).**

M-11 Maintenance Facility (DeKalb, IL)

- 1. Empty drums should be labeled "EMPTY" using an adhesive label and arrange for recycling if the drums are not to be re-used. **Deficiency corrected (12-09-2019).**
- 2. Provide signage to identify the contents of dumpsters. **Deficiency not corrected (See inspection form for details).**
- 3. Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose. **Deficiency not corrected (See inspection form for details).**
- 4. Replace the faded labels on the E-85 Aboveground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards and warnings are provided. Provide a spill kit with adsorbent socks and pads at the AST. Deficiency corrected (12-09-2019).
- Replace faded labels on the Used Oil Above Ground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22. Deficiency corrected (12-09-2019).
- 6. Provide signage for the Salt Brine AST including tank contents, storage capacity, hazards and warnings. **Deficiency not corrected (See inspection form for details).**





- Label all waste containers in the Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. Deficiency corrected (12-09-2019).
- 8. Label the contents of the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose. **Deficiency not corrected (See inspection form for details).**
- 9. The Asphalt Emulsion AST is not labeled. Label the tank with contents, storage capacity, hazards and warnings. **Deficiency not corrected (See inspection form for details).**
- 10. Cleanout the spill containment pit in the Bulk Oil Storage and Distribution Area. **Deficiency not corrected (See inspection form for details).**

M-11 IL Route 47 Salt Dome (DeKalb, IL)

- Replace the faded labels on the Diesel Aboveground Storage Tank. Ensure that labels with tank contents, storage capacity, hazards and warnings are provided. **Deficiency** corrected (12-09-2019).
- 2. Provide a spill kit with adsorbent socks and pads at the AST. **Deficiency not corrected** (See inspection form for details).

M-12 Maintenance Facility (Dixon, IL)

- 1. Provide signage to identify the contents of dumpsters. **Deficiency corrected (12-09-2019).**
- 2. Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose. **Deficiency not corrected (See inspection form for details).**
- 3. Replace the faded labels on the E-85 AST. Ensure that legible labels with tank content, storage capacity, hazards and warnings are provided. Provide a spill kit with adsorbent socks and pads at the AST. **Deficiency corrected (12-09-2019).**
- 4. Replace the faded labels on the Used Oil AST. Ensure that legible labels with tank content, storage capacity, hazards and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. **Deficiency corrected (12-09-2019).**
- 5. Provide signage for the Salt Brine AST. Ensure that legible labels with tank content, storage capacity, hazards and warnings are provided. **Deficiency corrected (12-09-2019).**
- 6. The Asphalt Emulsion Tank is not labeled. Label the tank with contents, storage capacity, hazards and warnings. Provide a drip pan under the tank valve. Store tank indoors or under cover. **Deficiency not corrected (See inspection form for details).**
- 7. Label the contents for the Used Oil Filter Bin using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**





- Label all hazardous waste containers with contents and generation date using an adhesive label designed for this purpose. Deficiency not corrected (See inspection form for details).
- Label the contents of the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose. Deficiency not corrected (See inspection form for details).

M-12 IL Route 251 Salt Dome (Rochelle, IL)

- 1. Provide a spill kit with adsorbent socks and pads for the fueling area. **Deficiency not corrected (See inspection form for details).**
- 2. Replace the faded labels on the diesel Aboveground Storage Tank. Ensure that labels with tank contents, storage capacity, hazards and warnings are provided. **Deficiency corrected (12-09-2019).**

M-14 Maintenance Facility (Downers Grove, IL)

- 1. Provide signage to identify the contents of dumpsters. **Deficiency not corrected (See inspection form for details).**
- 2. Replace dumpsters with those with covers. **Deficiency not corrected (See inspection form for details).**
- 3. Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose. **Deficiency not corrected (See inspection form for details).**
- 4. Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. **Deficiency not corrected (See inspection form for details).**
- 5. The Asphalt Emulsion AST is not labeled. Label the tank with contents, storage capacity, hazards and warnings. **Deficiency not corrected (See inspection form for details).**
- 6. Label all waste containers in the Hazardous Waste Accumulation Area and Painting Area with contents and generation date using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**
- 7. Label the contents of the Used Oil Filter Bin using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**





M-14 Central Support Facility (Downers Grove, IL)

- 1. Provide signage to identify the contents of dumpsters. **Deficiency not corrected (See inspection form for details).**
- 2. Empty drums should be labeled "EMPTY" using an adhesive label and arrange for recycling. **Deficiency not corrected (See inspection form for details).**
- 3. Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. **Deficiency corrected (12-09-2019).**
- 4. Label the contents for the Used Oil Filter Bin using an adhesive label designed for this purpose. **Deficiency corrected (12-09-2019).**
- 5. Label all waste containers in the Hazardous Waste Accumulation Area and Painting Area with contents and generation date using an adhesive label designed for this purpose. **Deficiency not corrected (See inspection form for details).**
- 6. Label all firing range waste containers with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report. **Deficiency not corrected (See inspection form for details).**
- 7. Store paint materials indoors or under cover. All product containers should be labeled with contents. Waste containers should be labeled with contents and generation date using an adhesive label designed for this purpose. Deficiency not corrected (See inspection form for details).

M-14 Spring Creek Maintenance Annex (Lockport, IL)

- 1. Multiple areas of staining and spillage of hydraulic fluid were observed in the Truck Parking Area. All spills are to be cleaned up immediately using adsorbent and the pavement cleaned using an enzyme or biodegradable cleaner. **Deficiency corrected (12-09-2019).**
- Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose.
 Deficiency not corrected (See inspection form for details).
- 3. Replace the faded labels on the Gasoline Aboveground Storage Tank. Ensure that legible labels with tank contents, storage capacity, hazards and warnings are provided. **Deficiency corrected (12-09-2019).**
- 4. Cap and seal all hydraulic lines on plows and salt spreaders. **Deficiency corrected (12-09-2019).**
- 5. Repair the anchors for the tank signage which has been knocked over/fasteners snapped. **Deficiency not corrected (See inspection form for details).**





M-16 Temporary Facility (Elk Grove Village, IL)

- 1. Ensure lids are maintained closed on dumpster while not in use. **Deficiency corrected** (12-09-2019).
- 2. Provide signage to identify the contents of dumpsters. **Deficiency not corrected (See inspection form for details).**
- 3. Provide signage for the Salt Brine AST. Ensure that signage with tank contents, storage capacity, hazards and warnings are provided. **Deficiency corrected (12-09-2019).**

Appendix A M-1 Maintenance Facility (Alsip, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Andrew McKissack; Michael Velasco

Yard/ Facility: M-1 Maintenance Facility Location: Alsip, IL

Date: 05/14/2019 Time: 08:00

Weather Conditions During Inspection: Sunny, 55 degrees

GOOD HOUSEKEEPING		(Select One)
1	1 Are drums kept indoors neat, clean, and orderly?	
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Yes
4	Are empty drums and totes stored in the designated area?	Yes
5	Are the empty drums and totes capped/covered and free of surface residue?	Yes
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Yes
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Yes
10	Are the waste dumpsters covered when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage to identify the contents of dumpsters. Example signage is attached at the end of this report.

DIESEL AND UNLEADED FUELING AREA		(Select One)
1	Is the fueling area free of leaks, stains, spills?	Yes
2	Is a spill kit located nearby?	No
3	Are the pumps in good condition?	Yes
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Yes
5	Are the level gauges working properly (regular documented system checks conducted)?	Yes
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Yes
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Yes
8	Are the tanks and pumps properly labeled?	Yes
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Yes
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Yes

^{*} Replace the "Waste Oil" sign in the Vehicle Maintenance Area with "Used Oil" per 40 CFR § 279.22. (see Photo 3)

^{*} Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to potential larger spills and supplement the granular adsorbent currently provided. Label the existing clean adsorbent container using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 11)



Date: 5/14/2019

Yard/ Facility: M-1 Maintenance Facility

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		
1	Is the fueling area AST area free of leaks, stains, spills?	Not Applicable
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Yes
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Yes
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	Is the used oil AST area free of leaks, stains, spills?	Yes
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. (see Photo 6)

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Yes
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable



Date: 5/14/2019

Yard/ Facility: M-1 Maintenance Facility

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	Yes
2	Are the pump and hoses in good condition (no cracks, etc)?	Yes
3	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Salt Brine
2	Is the AST area free of leaks, stains, spills?	Yes
3	Are the pump and hoses in good condition (no cracks, etc)?	Yes
4	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

MIS	MISCELLANEOUS AREAS	
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Yes
4	Is there a drip pan under the dispensing valve of the emulsion tank?	Yes
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Yes
8	Are used batteries stored indoors or under cover?	Yes
9	Is hazardous waste stored indoors or under cover?	Yes
10	Are the drums/containers in the hazardous waste storage area properly labeled?	No
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Yes

^{*} Provide lids for open top containers to prevent spillage and label all waste containers in the Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 13)

^{*} The Asphalt Emulsion AST is not labeled and is corroded. Label the tank with contents, storage capacity, hazards, and warnings. Consider replacing the tank due to corrosion. (See Photo 14)

^{*} Label the contents of the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 4)

^{*} Label the contents for the Used Oil Filter Bins using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 15)



Yard/ Facility: M-1 Maintenance Facility

Date: 5/14/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed): Robert Sudal

Illinois Tollway Contracted Inspector's Signature:

Date: 5/14/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-1 Maintenance Facility (Alsip, IL)

Photo No.	1
Date	5-14-2019
Time	0800
Direction	Northwest
Photo Taken By	RWS

Comments

Bulk Oil Storage and Distribution Room.



Photo No.	2
Date	5-14-2019
Time	0800
Direction	Northeast
Photo Taken By	RWS

Comments

Bulk Oil Storage and Distribution Room.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-1 Maintenance Facility (Alsip, IL)

Photo No.	3
Date	5-14-2019
Time	0801
Direction	Southeast
Photo Taken By	RWS

Comments

Used Oil/Antifreeze Transfer Area.

Action Item: Replace "Waste Oil" sign with "Used Oil" per 40 CFR § 279.22. Recommend that "Waste Coolant" sign be replaced with "Used Coolant".



Photo No.	4
Date	5-14-2019
Time	0807
Direction	Southwest
Photo Taken By	RWS

Comments

Vehicle Maintenance Shop.

Action Item: Label for the clean adsorbent container using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-1 Maintenance Facility (Alsip, IL)

Photo No.	5
Date	5-14-2019
Time	0807
Direction	Northeast
Photo Taken By	RWS

Comments

Parts Washer in Vehicle Maintenance Shop.

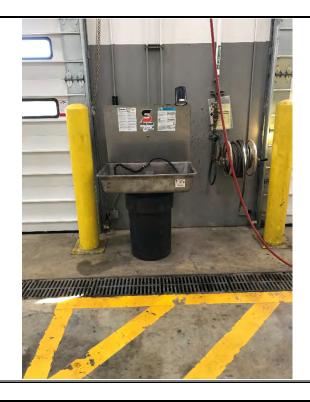


Photo No.	6
Date	5-14-2019
Time	0815
Direction	Northwest
Photo Taken By	RWS

Comments

Used Oil and Antifreeze ASTs.

Action Item: Replace faded labels on the Used Oil AST. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-1 Maintenance Facility (Alsip, IL)

Photo No.	7
Date	5-14-2019
Time	0820
Direction	Northwest
Photo Taken By	RWS

Comments

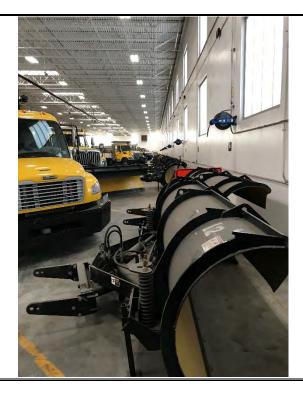
Oil-Water Separator (near Vehicle Maintenance Building).



Photo No.	8
Date	5-14-2019
Time	0826
Direction	Southeast
Photo Taken By	RWS

Comments

Indoor Plow Storage Area.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-1 Maintenance Facility (Alsip, IL)

Photo No.	9
Date	5-14-2019
Time	0829
Direction	Northeast
Photo Taken By	RWS

Comments

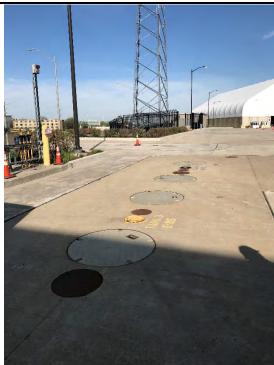
Indoor Salt Spreader Storage Area.



Photo No.	10
Date	5-14-2019
Time	0833
Direction	West
Photo Taken By	RWS

Comments

Underground Storage Tank Area.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-1 Maintenance Facility (Alsip, IL)

Photo No.	11
Date	5-14-2019
Time	0835
Direction	Northeast
Photo Taken By	RWS

Comments

Vehicle Fueling Area.

Action Item: Label the clean sorbent material container using an adhesive label designed for this purpose. Provide commercial spill kit with sorbent socks and pads for responding to larger spills.



Photo No.	12
Date	5-14-2019
Time	0842
Direction	West
Photo Taken By	RWS

Comments

Brine AST and Calcium Chloride AST.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-1 Maintenance Facility (Alsip, IL)

Photo No.	13
Date	5-14-2019
Time	0846
Direction	North
Photo Taken By	RWS

Comments

Hazardous Waste Accumulation Area (inside Salt Dome).

Action Item: Provide closed and sealed lids for all containers. Label all containers with contents and generation date using an adhesive label designed for this purpose.

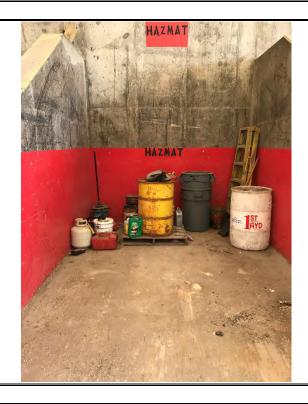


Photo No.	14
Date	5-14-2019
Time	0847
Direction	South
Photo Taken By	RWS

Comments

Emulsion AST (inside Salt Dome).

Action Item: Provide labeling for the tank including contents, capacity, hazards, and warnings. Consider replacing the tank due to corrosion.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-1 Maintenance Facility (Alsip, IL)

Photo No.	15
Date	5-14-2019
Time	0815
Direction	Northwest
Photo Taken By	RWS

Comments

Used Oil Filter Bins.

Action Item: Provide labeling for the Used Oil Filter Bins using an adhesive label designed for this purpose.



Photo No.	
Date	
Time	
Direction	
Photo Taken By	
Comments	
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Example Hazardous Waste Container Label

ш	AZARDOUS
U.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



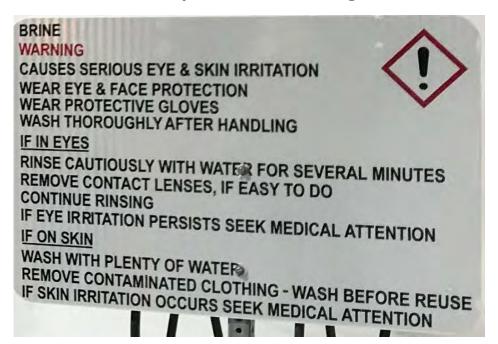
Example Sweeper Waste Dumpster Sign



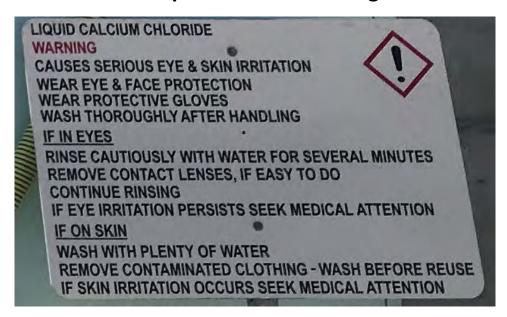
Example Scrap Metal Dumpster Sign

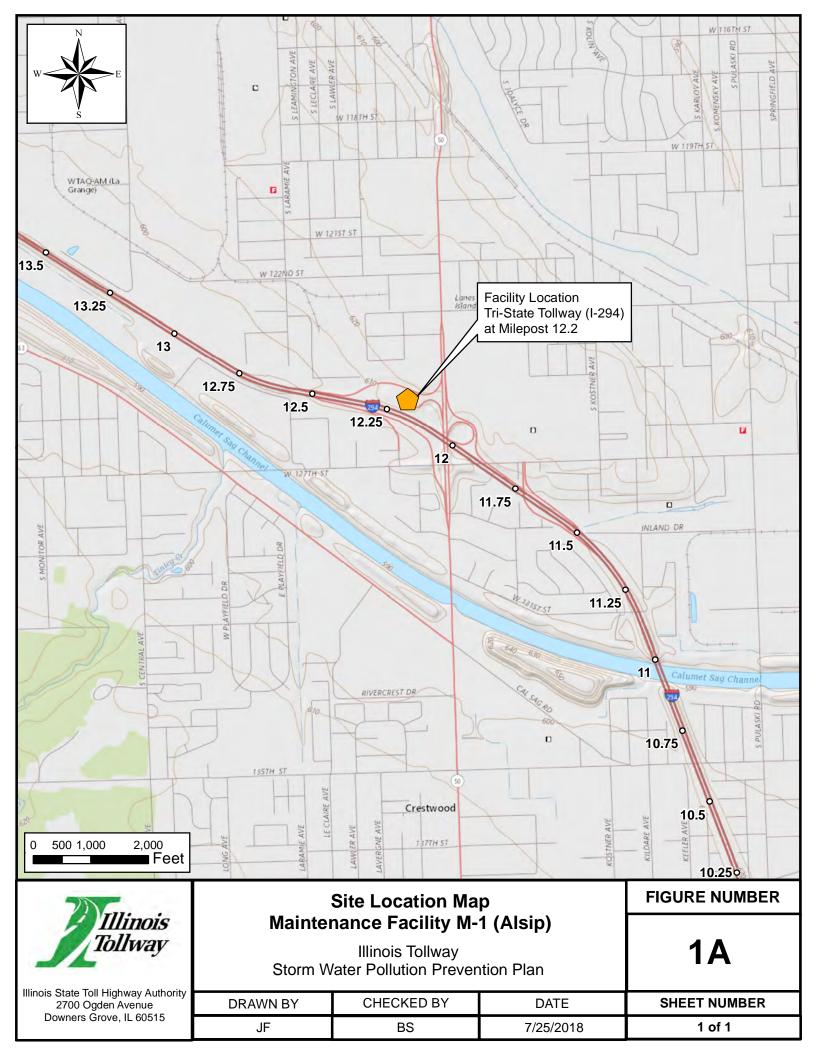


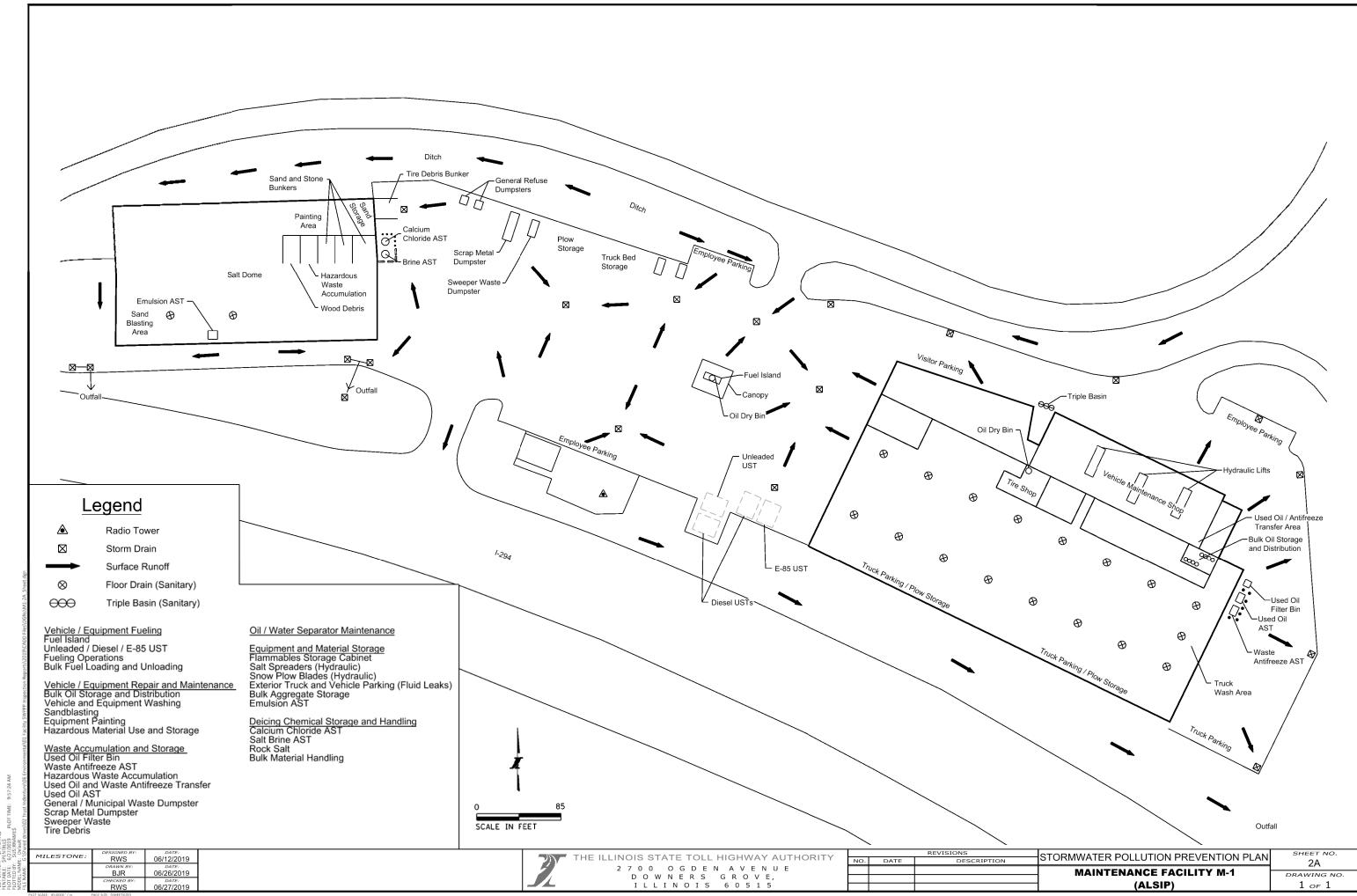
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix B M-2 Maintenance Facility (Hillside, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Alex Oancea, Sean McClafferty

Yard/ Facility: M-2 Maintenance Facility Location: Hillside, IL

Date: 05/14/2019 Time: 09:30

Weather Conditions During Inspection: Sunny, 80 degrees

GOOD HOUSEKEEPING		
1	Are drums kept indoors neat, clean, and orderly?	Yes
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Yes
4	Are empty drums and totes stored in the designated area?	Yes
5	Are the empty drums and totes capped/covered and free of surface residue?	Yes
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Yes
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Yes
10	Are the waste dumpsters covered when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage to identify the contents of dumpsters. Example signage is attached at the end of this report. (see Photo 12)

DIESEL AND UNLEADED FUELING AREA					
1	Is the fueling area free of leaks, stains, spills?	Yes			
2	Is a spill kit located nearby?	No			
3	Are the pumps in good condition?	Yes			
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Yes			
5	Are the level gauges working properly (regular documented system checks conducted)?	Yes			
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Yes			
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Yes			
8	Are the tanks and pumps properly labeled?	Yes			
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Yes			
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Yes			

^{*} Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container with an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 11)



Date: 5/14/2019

Yard/ Facility: M-2 Maintenance Facility

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the fueling area AST area free of leaks, stains, spills?	Yes
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace the faded labels on the E-85 Aboveground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Provide a spill kit with adsorbent socks and pads at the E-85 AST. (see Photo 10)

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	No
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Yes
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	Is the used oil AST area free of leaks, stains, spills?	Yes
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace the faded labels on the Used Oil Aboveground Storage Tank. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22. (see Photo 5)

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Yes
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Cap and seal all hydraulic lines for stored plows and salt spreaders. (see Photo 6)



Date: 5/14/2019

Yard/ Facility: M-2 Maintenance Facility

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	No
2	Are the pump and hoses in good condition (no cracks, etc)?	Yes
3	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Repair a small leak that was observed near the distribution valves/fittings. An uncovered, unlabeled polyethylene drum was observed near the brine AST. Personnel indicated the contents originated from draining truck tanks for the summer season. Drum should be emptied and contents managed/disposed appropriately. (see Photo 9)

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Salt Brine
2	Is the AST area free of leaks, stains, spills?	No
3	Are the pump and hoses in good condition (no cracks, etc)?	Yes
4	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Repair a small leak that was observed near the distribution valves/fittings. An uncovered, unlabeled polyethylene drum was observed near the brine AST. Personnel indicated the contents originated from draining truck tanks for the summer season. Drum should be emptied and contents managed appropriately. (see Photo 9)

MIS	CELLANEOUS AREAS	(Select One)
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	No
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Yes
4	Is there a drip pan under the dispensing valve of the emulsion tank?	Yes
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Yes
8	Are used batteries stored indoors or under cover?	Yes
9	Is hazardous waste stored indoors or under cover?	Yes
10	Are the drums/containers in the hazardous waste storage area properly labeled?	No
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Yes

Notes/Corrective Action Items including schedule for implementation: * Provide a commercial drip pan for use at the Used Oil Filter Draining Station, eliminating use of an open top bucket. Clean areas of spills with adsorbent and an enzyme or biodegradable cleaner. (see Photo 13)

^{*} Label the contents of the Used Oil Filter Bin using an adhesive label. Example labels are attached at the end of this report. (see Photo 1)

^{*} Label all containers in the Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 3)

^{*} Provide labeling for the Asphalt Emulsion AST including contents, capacity, hazards, and warnings. (See Photo 8)



- * Oil stains are located at various locations in the Vehicle Service Area and Used Oil/Antifreeze Transfer Area. Clean the area of the stains using an enzyme or biodegradable cleaner. Use drip pans and adsorbent pads where practical during operations. (see Photo 2)
- * Label the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose. Example labels are attached at the end of this report.

Date: 5/14/2019

Yard/ Facility: M-2 Maintenance Facility

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed): Robert Suda

Illinois Tollway Contracted Inspector's Signature:

Date: 5/14/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-2 Maintenance Facility (Hillside, IL)

Photo No.	1
Date	5-14-2019
Time	09:50
Direction	West
Photo Taken By	RWS

Comments

Used Oil Filter Bin

Action Item: Provide labeling for the Used Oil Filter Bin using an adhesive label designed for this purpose.



Photo No.	2
Date	5-14-2019
Time	West
Direction	09:55
Photo Taken By	RWS

Comments

Used Oil Transfer Area.

Action Item: Clean the area of the stains using an enzyme or biodegradable cleaner. Use drip pans and adsorbent pads where practical.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-2 Maintenance Facility (Hillside, IL)

Photo No.	3
Date	5-14-2019
Time	West
Direction	09:59
Photo Taken By	RWS

Comments

Hazardous Waste Accumulation Area

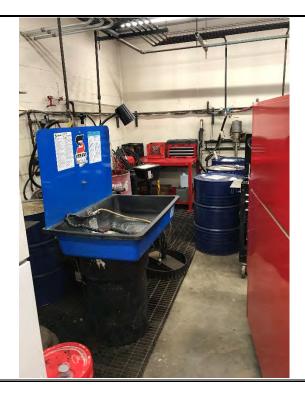
Action Item: Label all containers with contents and generation date using an adhesive label designed for this purpose.



Photo No.	4
Date	5-14-2019
Time	10:03
Direction	West
Photo Taken By	RWS

Comments

Bulk Oil Storage and Distribution Room with Parts Washer.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-2 Maintenance Facility (Hillside, IL)

Photo No.	5
Date	5-14-2019
Time	10:12
Direction	Northeast
Photo Taken By	RWS

Comments

Used Oil AST.

Action Item: Replace the faded labels on the tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22.



Photo No.	6
Date	5-14-2019
Time	10:17
Direction	West
Photo Taken By	RWS

Comments

Salt Spreader Storage Area.

Action Item: Cap and seal hydraulic lines on plows and salt spreaders.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-2 Maintenance Facility (Hillside, IL)

Photo No.	7
Date	5-14-2019
Time	10:19
Direction	Southwest
Photo Taken By	RWS

Comments

Flammables Storage Cabinet (near Salt Dome).



Photo No.	8
Date	5-14-2019
Time	10:20
Direction	West
Photo Taken By	RWS

Comments

Emulsion AST (inside Salt Dome.)

Action Item: Provide labeling for the tank including contents, capacity, hazards, and warnings.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-2 Maintenance Facility (Hillside, IL)

Photo No.	9
Date	5-14-2019
Time	10:24
Direction	South
Photo Taken By	RWS

Comments

Salt Brine AST and Calcium Chloride AST.

Action Item: Return contents of 55-gallon polyethylene drum containing chloride/brine solution to storage tank or dispose properly. Repair the small leak that was observed near the distribution valves/fittings.



Photo No.	10
Date	5-14-2019
Time	10:27
Direction	Northeast
Photo Taken By	RWS

Comments

E-85 AST.

Action Item: Replace the faded labels on the tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Provide a spill kit at the tank location.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-2 Maintenance Facility (Hillside, IL)

Photo No.	11
Date	5-14-2019
Time	10:29
Direction	West
Photo Taken By	RWS

Comments

Vehicle Fueling Area.

Action Item: Provide label for the clean sorbent material container using an adhesive label designed for this purpose. Provide commercial spill kit with sorbent socks and pads for responding to larger spills.



Photo No.	12
Date	5-14-2019
Time	10:32
Direction	South
Photo Taken By	RWS

Comments

General Refuse Dumpsters.

Action Item: Provide signage to identify the contents of dumpsters.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-2 Maintenance Facility (Hillside, IL)

Photo No.	13
Date	5-14-2019
Time	09:50
Direction	West
Photo Taken By	RWS

Comments

Oil Filter Draining Station.

Action Item: Provide a commercial drip pan to avoid accidental spillage using a 5-gallon open top bucket for this purpose. Clean areas of spills with adsorbent and an enzyme or biodegradable cleaner.



Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



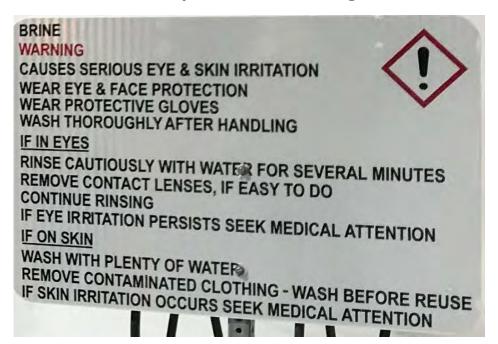
Example Sweeper Waste Dumpster Sign



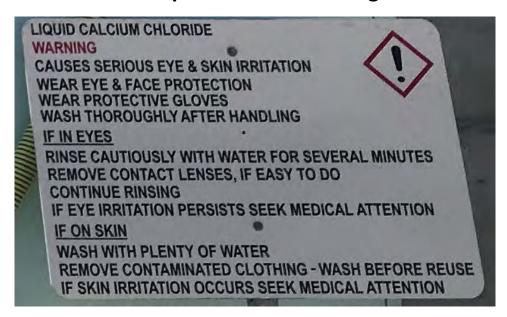
Example Scrap Metal Dumpster Sign

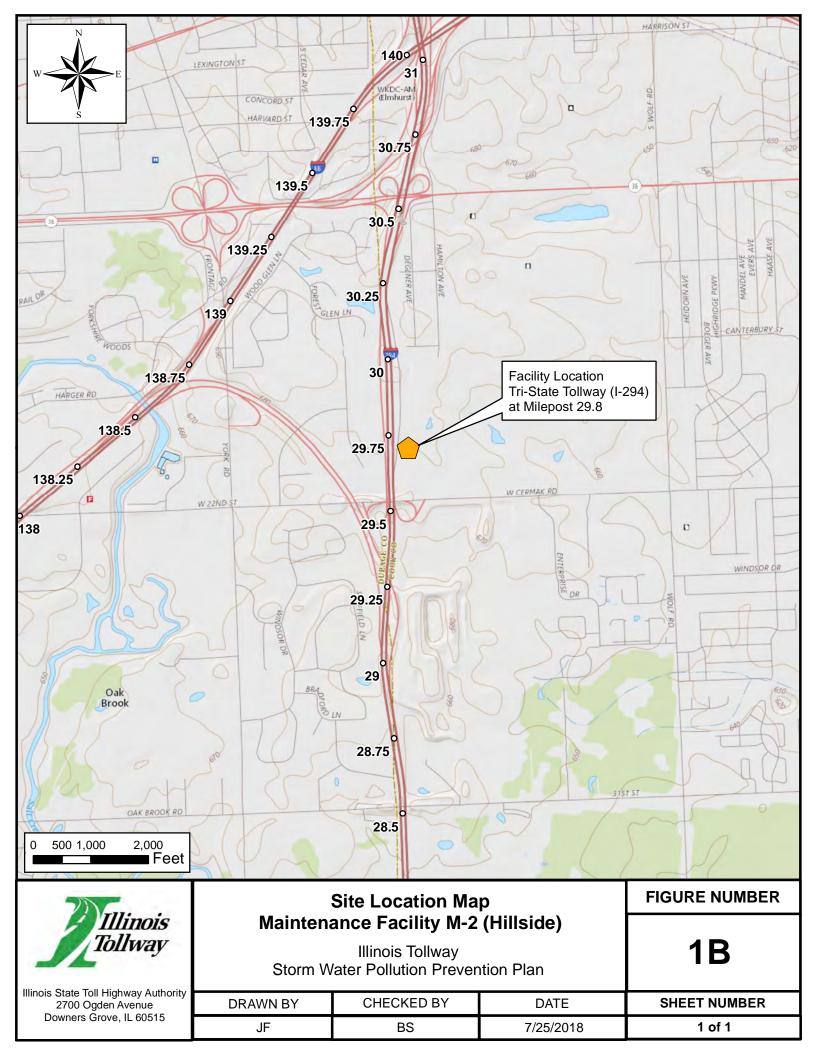


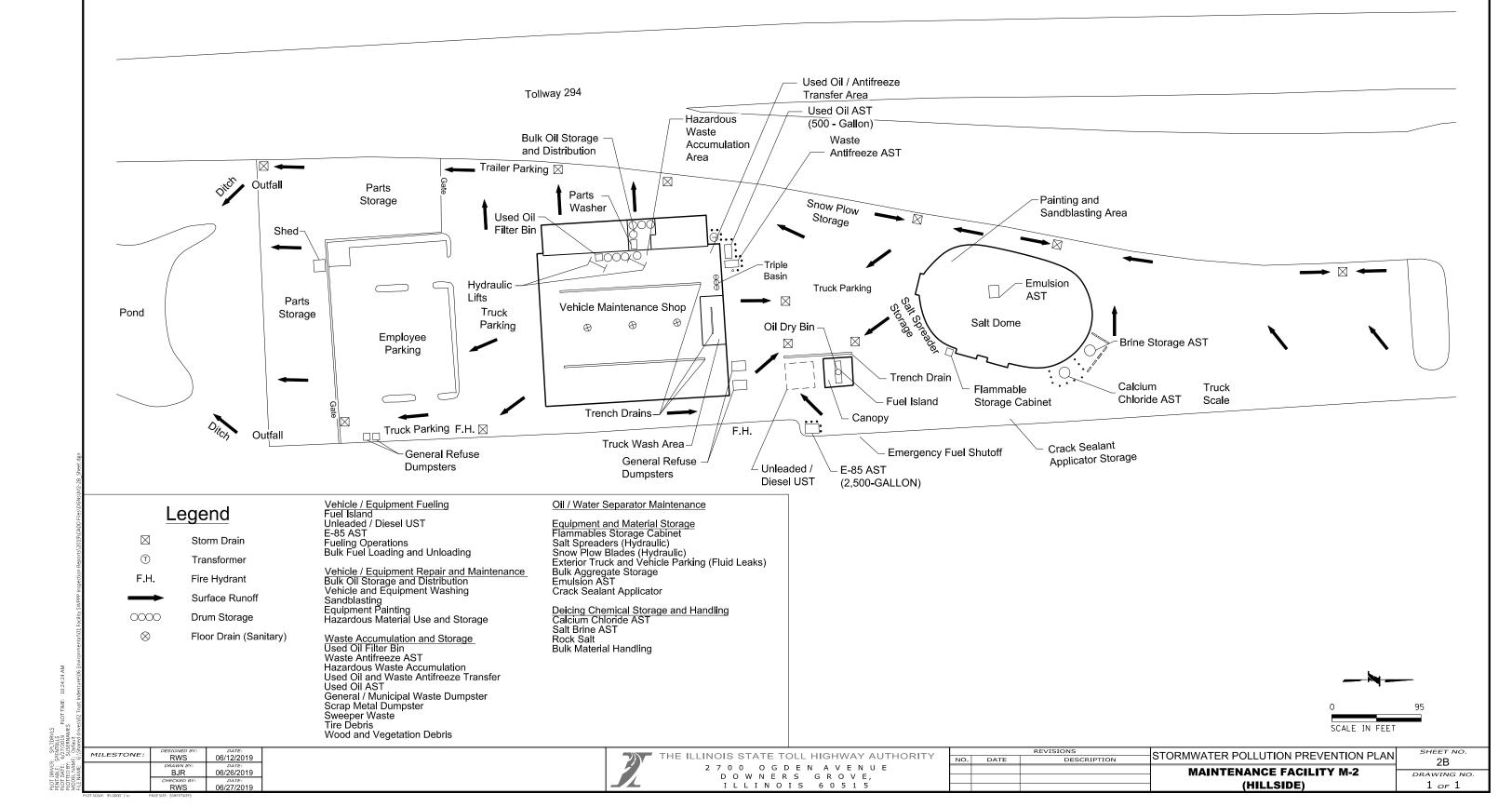
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix C M-3 Maintenance Facility (Park Ridge, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Derek Carlson; WIlliam Alicea

Yard/ Facility: M-3 Maintenance Facility Location: Park Ridge, IL

Date: 05/14/2019 Time: 11:00

Weather Conditions During Inspection: Sunny, 80 degrees

GOO	DD HOUSEKEEPING	(Select One)
1	Are drums kept indoors neat, clean, and orderly?	Yes
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Yes
4	Are empty drums and totes stored in the designated area?	Yes
5	Are the empty drums and totes capped/covered and free of surface residue?	Yes
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	No
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Yes
10	Are the waste dumpsters covered when not in use?	No

Notes/Corrective Action Items including schedule for implementation:

^{*} Ensure that lids for refuse dumpsters remain closed when not in use. (see Photos 11 and 12)

DIES	EL AND UNLEADED FUELING AREA	(Select One)
1	Is the fueling area free of leaks, stains, spills?	Yes
2	Is a spill kit located nearby?	No
3	Are the pumps in good condition?	Yes
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Yes
5	Are the level gauges working properly (regular documented system checks conducted)?	Yes
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Yes
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Yes
8	Are the tanks and pumps properly labeled?	Yes
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Yes
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Yes

Notes/Corrective Action Items including schedule for implementation:

Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 8)

^{*} Active equipment hydraulic leaks were observed in the Truck Parking Area. Repair leaking equipment and maximize use of drip pans or adsorbent pads where practical. Clean spill areas using adsorbent and an enzyme or biodegradable cleaner.

^{*} Provide signage to identify the contents of dumpsters. Example signage is attached at the end of this report. (see Photo 10)



Date: 5/14/2019

Yard/ Facility: M-3 Maintenance Facility

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		
1	Is the fueling area AST area free of leaks, stains, spills?	Not Applicable
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	No
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Yes
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	Is the used oil AST area free of leaks, stains, spills?	Yes
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace faded labels on the Used Oil Above Ground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22. (see Photo 5)

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Yes
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Salt spreaders and plows are actively leaking hydraulic fluid. Cap and seal all hydraulic lines and repair leaking equipment. Clean spill areas using adsorbent and an enzyme or biodegradable cleaner. (see Photo 7)



Date: 5/14/2019

Yard/ Facility: M-3 Maintenance Facility

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	Yes
2	Are the pump and hoses in good condition (no cracks, etc)?	Yes
3	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Salt Brine
2	Is the AST area free of leaks, stains, spills?	Yes
3	Are the pump and hoses in good condition (no cracks, etc)?	Yes
4	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

MISCELLANEOUS AREAS		(Select One)
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Yes
4	Is there a drip pan under the dispensing valve of the emulsion tank?	Yes
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Yes
8	Are used batteries stored indoors or under cover?	Yes
9	Is hazardous waste stored indoors or under cover?	Yes
10	Are the drums/containers in the hazardous waste storage area properly labeled?	No
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Active oil spill and stains are present in the Vehicle Service Area and Used Oil Transfer Area. Clean the areas with adsorbents and an enzyme or biodegradable cleaner, use and provide drip pans and adsorbent pads where practical, and hang hoses to prevent drips. (see Photo 3)

^{*} Label the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 2)

^{*} Provide labeling for the Asphalt Emulsion AST including contents, storage capacity, hazards, and warnings. Verify the use of the existing "Flammable" labeling. (see Photo 6)

^{*} Remove and properly dispose of any surplus or out-of-date drummed material from inside the Maintenance Building. (see Photo 4).



- * Oil stains are present on the pavement outside the maintenance facility, directly behind the Used Oil Filter Draining Station. Clean oil stained areas with an enzyme or biodegradable cleaner. (see Photo 13)
- * A flammables storage cabinet is located outdoors and over an open storm drain. Relocate the cabinet to a location where a leak or spill will not enter a storm drain, preferably indoors. (see Photo 15)
- * Label all waste containers Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report.
- * Arrange for recycling pickup of empty drums stored in the Equipment Storage Building or label as "EMPTY" if the drums are to be re-used.
- * Label the contents of the Used Oil Filter Bin using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 14)

Yard/ Facility: M-3 Maintenance Facility

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Date: 5/14/2019

Illinois Tollway Contracted Inspector's Name (printed): Robert Suda

Illinois Tollway Contracted Inspector's Signature:

Date: 5/14/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-3 Maintenance Facility (Park Ridge, IL)

Photo No.	1
Date	5-14-2019
Time	11:19
Direction	North
Photo Taken By	RWS

Comments

Bulk Oil Storage and Distribution Area.



Photo No.	2
Date	5-14-2019
Time	11:22
Direction	North
Photo Taken By	RWS

Comments

Oil-Dry Storage Container (inside Maintenance Building).

Action Item: Label the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-3 Maintenance Facility (Park Ridge, IL)

Photo No.	3
Date	5-14-2019
Time	11:23
Direction	North
Photo Taken By	RWS

Comments

Used Oil and Antifreeze Transfer Area.

Action Item: Active oil spill and stains are present in the Vehicle Service Area and the Used Oil Filter Draining Area. Clean the areas with adsorbents and an enzyme or biodegradable cleaner, use and provide drip pans and sorbent pads where practical, and hang hoses to prevent drips.



Photo No.	4
Date	5-14-2019
Time	11:28
Direction	Northeast
Photo Taken By	RWS

Comments

Storage Area in northeast corner of the Maintenance Building.

Action Item: Remove and properly dispose of any surplus or out-of-date drummed material.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-3 Maintenance Facility (Park Ridge, IL)

Photo No.	5
Date	5-14-2019
Time	11:33
Direction	South
Photo Taken By	RWS

Comments

Used Oil AST

Action Item: Replace faded labels on the Used Oil Above Ground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22.



Photo No.	6
Date	5-14-2019
Time	11:35
Direction	East
Photo Taken By	RWS

Comments

Asphalt Emulsion AST (inside the Storage Building.)

Action Item: Provide labeling for the Asphalt Emulsion AST including contents, storage capacity, hazards, and warnings. Verify the use of the existing "Flammable" labeling.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-3 Maintenance Facility (Park Ridge, IL)

Photo No.	7
Date	5-14-2019
Time	11:45
Direction	Southwest
Photo Taken By	RWS

Comments

Equipment Storage Area (on the north side of the Salt Dome).

Action Item: Cap and seal all hydraulic lines and repair leaking equipment. Clean spill areas using adsorbent and an enzyme or biodegradable cleaner.



Photo No.	8
Date	5-14-2019
Time	11:45
Direction	Southeast
Photo Taken By	RWS

Comments

Vehicle Fueling Area.

Action Item: Provide a spill kit at the Fuel Island to respond to larger spills and supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-3 Maintenance Facility (Park Ridge, IL)

Photo No.	9
Date	5-14-2019
Time	11:47
Direction	Northeast
Photo Taken By	RWS

Comments

Brine AST and Calcium Chloride AST.



Photo No.	10
Date	
Time	
Direction	West
Photo Taken By	RWS

Comments

Truck Parking Area.

Action Item: Repair leaking equipment and maximize use of drip pans or adsorbent pads where practical. Clean spill areas using adsorbent and an enzyme or biodegradable cleaner.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-3 Maintenance Facility (Park Ridge, IL)

Photo No.	11
Date	
Time	
Direction	East
Photo Taken By	RWS

Comments

Dumpster Area.

Action Item: Provide signage to identify the contents of dumpsters.



Photo No.	12
Date	
Time	
Direction	North
Photo Taken By	RWS

Comments

Dumpster Area.

Action Item: Provide signage to identify the contents of

dumpsters.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-3 Maintenance Facility (Park Ridge, IL)

Photo No.	13
Date	
Time	
Direction	
Photo Taken By	RWS

Comments

Oil stains are present on the pavement outside the maintenance facility, directly behind the Used Oil Filter Draining Station.

Action Item: Clean oil stained areas with an enzyme or biodegradable cleaner.



Photo No.	14
Date	
Time	
Direction	
Photo Taken By	RWS

Comments

Used Oil Filter Bin Area.

Action Item: Label the contents of the Used Oil Filter Bin using an adhesive label designed for this purpose





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-3 Maintenance Facility (Park Ridge, IL)

Photo No.	15
Date	
Time	
Direction	
Photo Taken By	RWS

Comments

Flammables Storage Cabinet.

Action Item: Relocate the cabinet to a location where a leak or spill will not enter a storm drain, preferably indoors.



Photo No.	16
Date	
Time	
Direction	
Photo Taken By	RWS
Comments	

Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



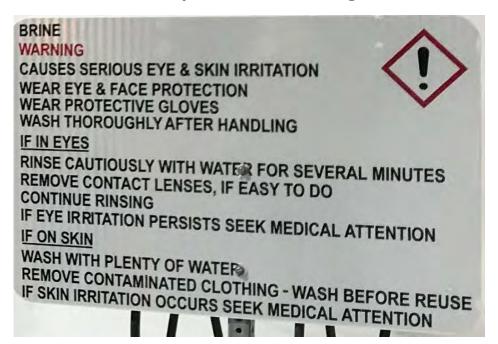
Example Sweeper Waste Dumpster Sign



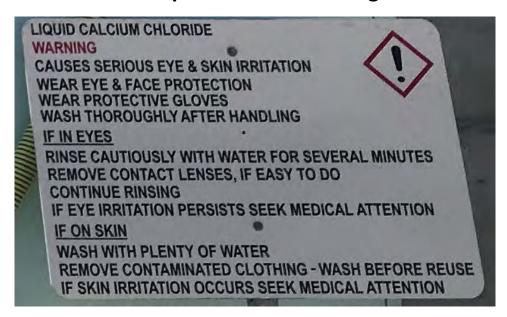
Example Scrap Metal Dumpster Sign

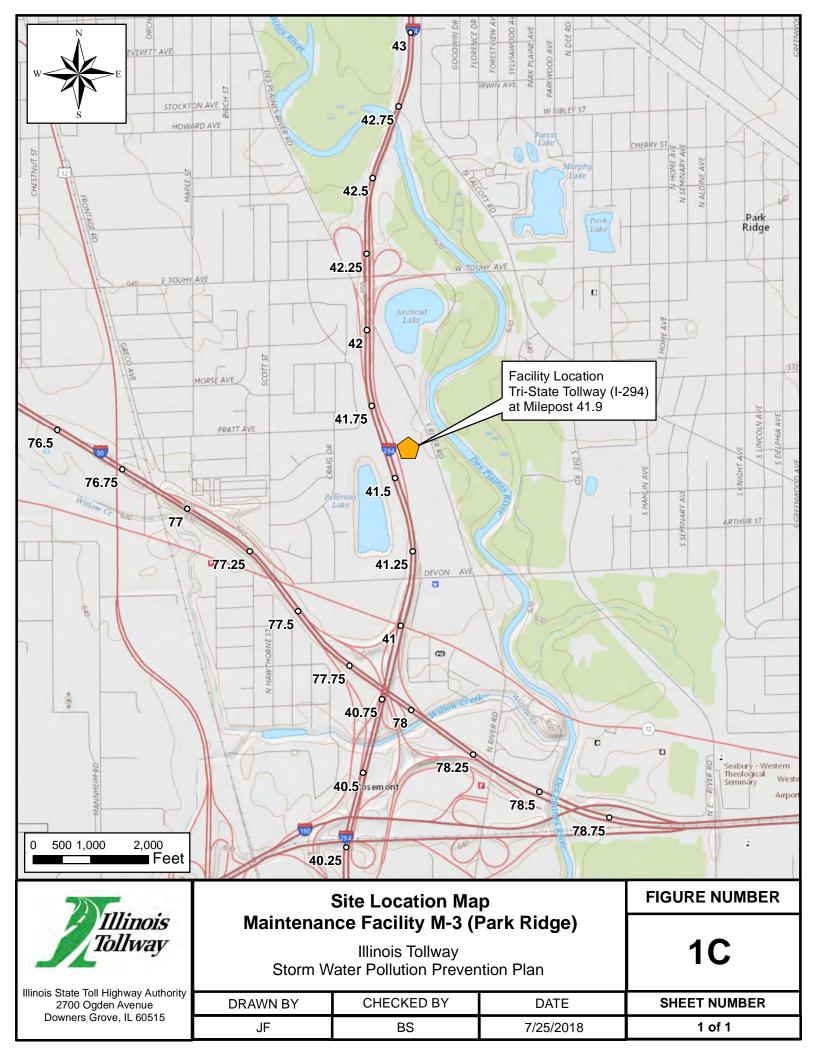


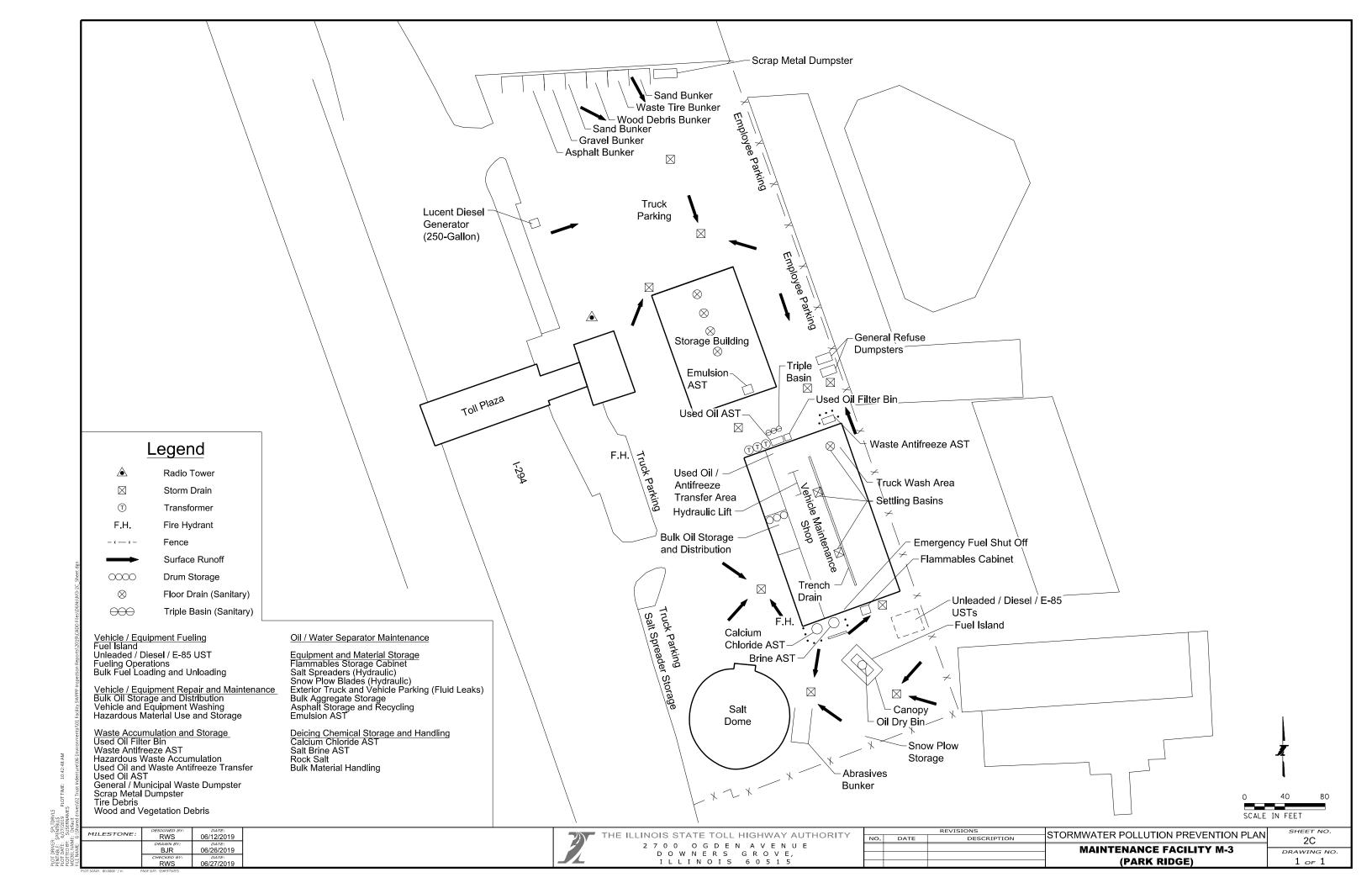
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix D M-4 Maintenance Facility (Gurnee, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Andrew Thickpenny; Hector Contreras

Yard/ Facility: M-4 Maintenance Facility Location: Gurnee, IL

Date: 05/14/2019 Time: 13:00

Weather Conditions During Inspection: Cloudy, 60 degrees

GOOD HOUSEKEEPING		(Select One)
1	Are drums kept indoors neat, clean, and orderly?	No
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Yes
4	Are empty drums and totes stored in the designated area?	Yes
5	Are the empty drums and totes capped/covered and free of surface residue?	Yes
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Yes
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	No
10	Are the waste dumpsters covered when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage to identify the contents of dumpsters. Example signage is attached at the end of this report.

DIESEL AND UNLEADED FUELING AREA		(Select One)	
1	Is the fueling area free of leaks, stains, spills?	Yes	
2	Is a spill kit located nearby?	No	
3	Are the pumps in good condition?	Yes	
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Yes	
5	Are the level gauges working properly (regular documented system checks conducted)?	Yes	
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Yes	
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Yes	
8	Are the tanks and pumps properly labeled?	Yes	
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Yes	
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Yes	

^{*} The Flammables Storage Cabinet is located outdoors near the Salt Dome and is corroded. Replace with a new cabinet and place indoors or store under cover. (see Photo 5)

^{*} Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 13)



Date: 5/14/2019

Yard/ Facility: M-4 Maintenance Facility

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the fueling area AST area free of leaks, stains, spills?	Yes
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace the faded labels on the E-85 and Diesel Aboveground Storage Tanks. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided. Provide a spill kit with adsorbent socks and pads at the ASTs (see Photos 11 and 12).

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	No
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Yes
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	Is the used oil AST area free of leaks, stains, spills?	Yes
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace faded labels on the Used Oil Above Ground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22. (see Photo 3)

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Yes
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

^{*} Cap and seal all hydraulic lines on plows and salt spreaders. (see Photo 9)



Date: 5/14/2019

Yard/ Facility: M-4 Maintenance Facility

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	Yes
2	Are the pump and hoses in good condition (no cracks, etc)?	Yes
3	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Salt Brine
2	Is the AST area free of leaks, stains, spills?	Yes
3	Are the pump and hoses in good condition (no cracks, etc)?	Yes
4	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

MISCELLANEOUS AREAS		(Select One)
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	No
4	Is there a drip pan under the dispensing valve of the emulsion tank?	No
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Yes
8	Are used batteries stored indoors or under cover?	Yes
9	Is hazardous waste stored indoors or under cover?	Yes
10	Are the drums/containers in the hazardous waste storage area properly labeled?	No
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Yes

^{*} Label all waste containers Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 7)

^{*} Relocate the Asphalt Emulsion Tank on a paved surface, indoors or under cover, with a drip tray beneath the valve. Label the tank with tank contents, storage capacity, hazards, and warnings. (see Photo 6)

^{*} Active oil spillage and stains are present in the Used Oil Filter Draining Area. Clean the area with adsorbents and an enzyme or biodegradable cleaner, use adsorbent pads as needed during operation. (see Photo 2)

^{*} Label the contents of the Used Oil Filter Bin using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 17)



- * Oil stains are present on the concrete floor in the Bulk Oil Storage and Distribution Area. Clean the area of the stains using an enzyme or biodegradable cleaner. Use adsorbent pads as needed during operations. (see Photo 1)
- * Clean the curb line and storm drains of accumulated solids on the east side of the Parking Area. (see Photo 10)

discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

- * Restore vegetative cover in temporary Contractor staging area near the east entrance gate. (see Photos 14 and 15)
- * Label the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 1)

Yard/ Facility: M-4 Maintenance Facility

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was

Date: 5/14/2019

Illinois Tollway Contracted Inspector's Name (printed): Pobert Suda,

Illinois Tollway Contracted Inspector's Signature:

Date: 5/14/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-4 Maintenance Facility (Gurnee, IL)

Photo No.	1
Date	5-14-2019
Time	13:09
Direction	west
Photo Taken By	RWS

Comments

Bulk Oil Storage and Distribution Area.

Action Item: Label the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose.

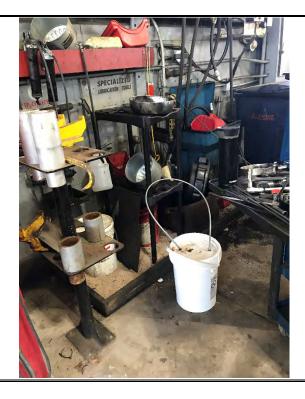


Photo No.	2
Date	5-14-2019
Time	13:11
Direction	north
Photo Taken By	RWS

Comments

Used Oil and Antifreeze Transfer Area.

Action Item: Active oil spillage and stains are present in the Used Oil Filter Draining Area. Clean the area with adsorbents and an enzyme or biodegradable cleaner, use adsorbent pads as needed during operation.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-4 Maintenance Facility (Gurnee, IL)

Photo No.	3
Date	5-14-2019
Time	13:14
Direction	south
Photo Taken By	RWS

Comments

Used Antifreeze and Used Oil ASTs.

Action Item: Replace faded labels on the Used Oil AST. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22.



Photo No.	4
Date	5-14-2019
Time	13:16
Direction	west
Photo Taken By	RWS

Comments

Salt Brine and Calcium Chloride ASTs.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-4 Maintenance Facility (Gurnee, IL)

Photo No.	5
Date	5-14-2019
Time	13:19
Direction	north
Photo Taken By	RWS

Comments

Flammables Storage Cabinet (near Salt Dome).

Action Item: Flammables cabinet is located outdoors near the Salt Dome and is corroded. Replace with a new cabinet and place indoors or store under cover.



Photo No.	6
Date	5-14-2019
Time	13:19
Direction	northwest
Photo Taken By	RWS

Comments

Emulsion AST (near Salt Dome).

Action Item: Relocate the
Asphalt Emulsion Tank on a
paved surface, under cover, with
a drip tray beneath the valve.
Label the tank with tank
contents, storage capacity,
hazards, and warnings.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-4 Maintenance Facility (Gurnee, IL)

Photo No.	7
Date	5-14-2019
Time	13:20
Direction	north
Photo Taken By	RWS

Comments

Hazardous Waste Accumulation Area (in Storage Building).

Action Item: Label all waste containers with contents and generation date in the Hazardous Waste Accumulation Area using an adhesive label designed for this purpose.



Photo No.	8
Date	5-14-2019
Time	13:28
Direction	northwest
Photo Taken By	RWS

Comments

Bulk Material Storage Bunkers.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-4 Maintenance Facility (Gurnee, IL)

Photo No.	9
Date	5-14-2019
Time	13:31
Direction	northeast
Photo Taken By	RWS

Comments

Plow Storage Area, Salt Spreader Storage Area, and Scrap Metal Dumpster Area.

Action Item: Cap and seal the hydraulic lines on plows and salt spreaders.



Photo No.	10
Date	5-14-2019
Time	13:33
Direction	south
Photo Taken By	RWS

Comments

Parking Area (along east side of facility).

Action Item: Clean the curb line and storm drains of accumulated solids.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-4 Maintenance Facility (Gurnee, IL)

Photo No.	11
Date	5-14-2019
Time	13:35
Direction	east
Photo Taken By	RWS

Comments

Diesel AST.

Replace the faded labels on the Diesel Aboveground Storage Tank. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided.



Photo No.	12
Date	5-14-2019
Time	13:36
Direction	east
Photo Taken By	RWS

Comments

E-85 AST.

Action Item: Replace the faded labels on the E-85 Storage Tank. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-4 Maintenance Facility (Gurnee, IL)

Photo No.	13
Date	5-14-2019
Time	13:37
Direction	north
Photo Taken By	RWS

Comments

Vehicle Fueling Area.

Action Item: Provide a Spill Kit at the Fuel Island to respond to larger spills and supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose.



Photo No.	14
Date	5-14-2019
Time	13:40
Direction	north
Photo Taken By	RWS

Comments

East Entrance Gate Area.

Action Item: Restore vegetative cover in temporary Contractor staging area near the east entrance gate.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-4 Maintenance Facility (Gurnee, IL)

Photo No.	15
Date	5-14-2019
Time	13:40
Direction	south
Photo Taken By	RWS

Comments

East Entrance Gate Area.

Action Item: Restore vegetative cover in temporary Contractor staging area near the east entrance gate.



Photo No.	16
Date	5-14-2019
Time	13:43
Direction	southwest
Photo Taken By	RWS

Comments

Sand and Gravel Bunkers (near Storage Building).





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-4 Maintenance Facility (Gurnee, IL)

Photo No.	17
Date	5-14-2019
Time	13:11
Direction	north
Photo Taken By	RWS

Comments

Used Oil Filter Bin

Action Item: Label the contents of the Used Oil Filter Bin using an adhesive label designed for this purpose.

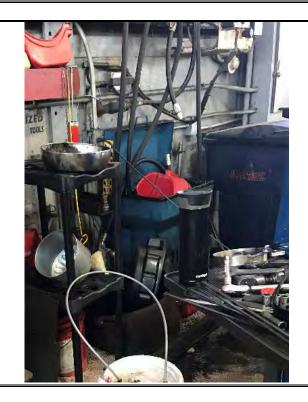


Photo No.	
Date	
Time	
Direction	
Photo Taken By	
Comments	-

Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



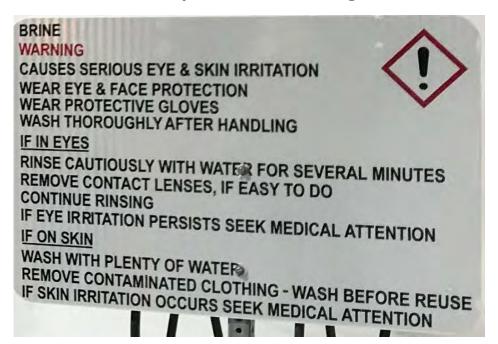
Example Sweeper Waste Dumpster Sign



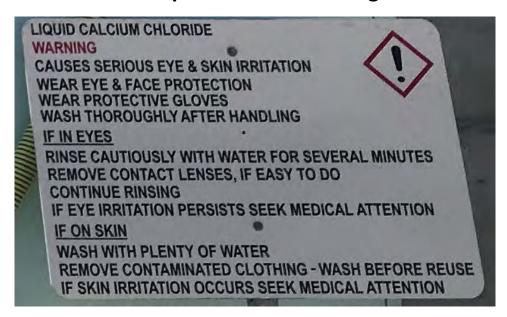
Example Scrap Metal Dumpster Sign

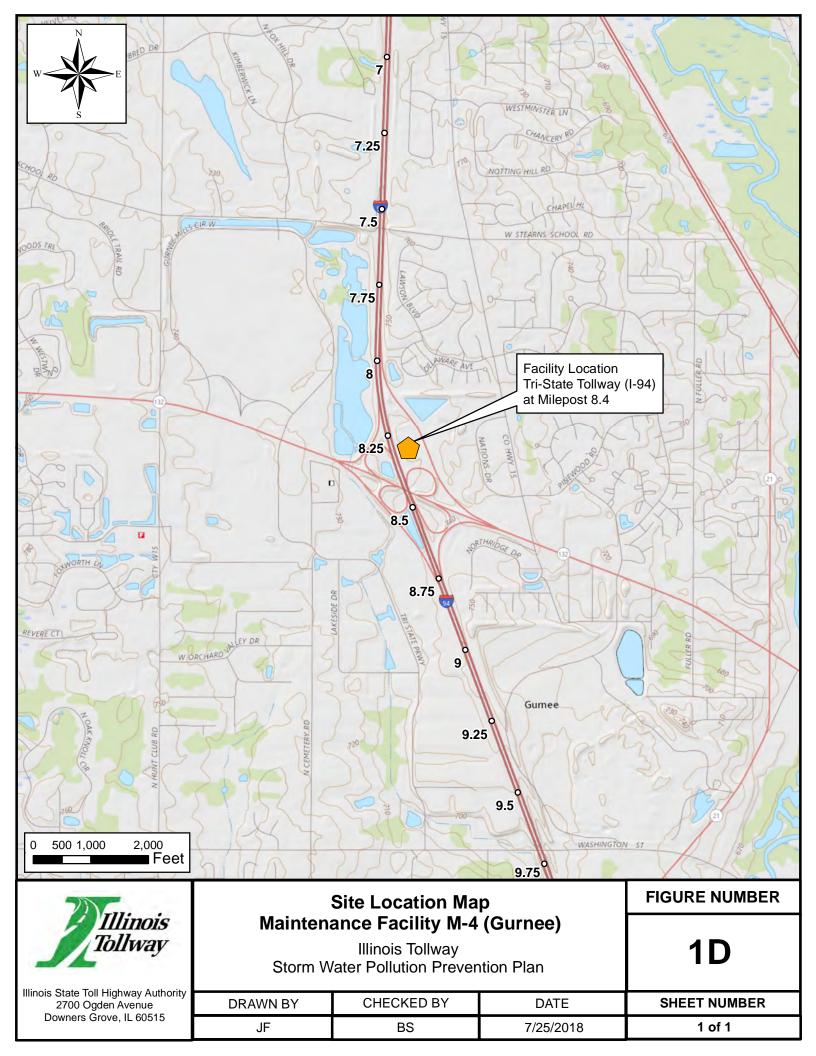


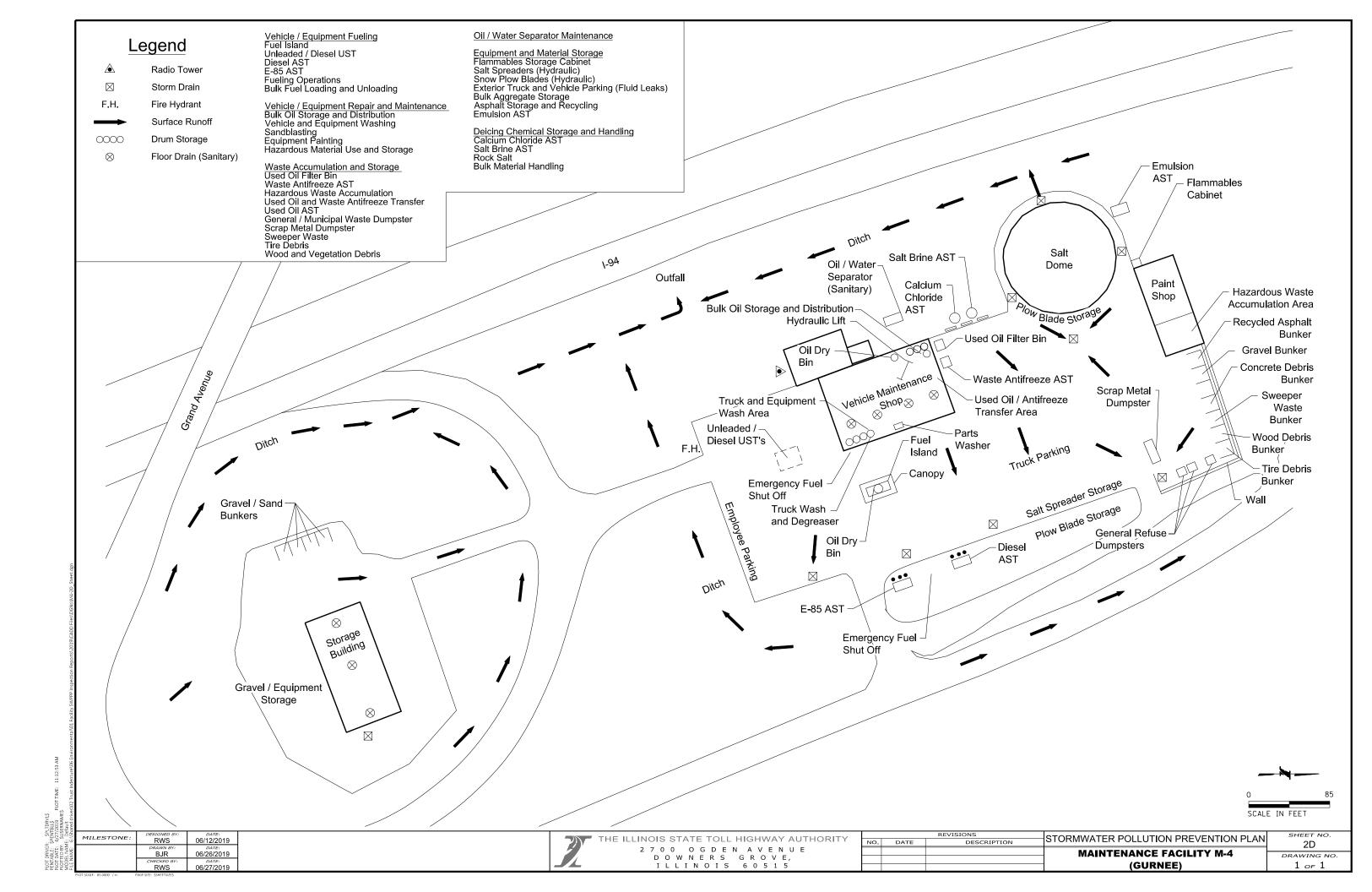
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix E M-4 Deerfield Road Salt Dome (Gurnee, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Andrew Thickpenny; Hector Contreras

Yard/ Facility: M-4 Deerfield Road Salt Dome Location: Deerfield, IL

Date: 05/22/2019 Time: 11:40

Weather Conditions During Inspection: Overcast, 60 degrees

GOOD HOUSEKEEPING		(Select One)
1	Are drums kept indoors neat, clean, and orderly?	Not Applicable
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Not Applicable
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Not Applicable
4	Are empty drums and totes stored in the designated area?	Not Applicable
5	Are the empty drums and totes capped/covered and free of surface residue?	Not Applicable
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Yes
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Not Applicable
10	Are the waste dumpsters covered when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

DIESEL AND UNLEADED FUELING AREA			
1	Is the fueling area free of leaks, stains, spills?	Not Applicable	
2	Is a spill kit located nearby?	Not Applicable	
3	Are the pumps in good condition?	Not Applicable	
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Not Applicable	
5	Are the level gauges working properly (regular documented system checks conducted)?	Not Applicable	
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Not Applicable	
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Not Applicable	
8	Are the tanks and pumps properly labeled?	Not Applicable	
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Not Applicable	
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Not Applicable	



Date: 5/22/2019

Yard/ Facility: M-4 Deerfield Road Salt Dome

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	1 Is the fueling area AST area free of leaks, stains, spills?	
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace the faded labels on the E-85 and Diesel Aboveground Storage Tanks. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided. Provide a spill kit with adsorbent socks and pads in the Fueling Area. (see Photo 1)

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Not Applicable
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Not Applicable
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USE	USED OIL ABOVEGROUND STORAGE TANK	
1	Is the used oil AST area free of leaks, stains, spills?	Not Applicable
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

ANT	ANTIFREEZE ABOVEGROUND STORAGE TANK	
1	Is the antifreeze AST area free of leaks, stains, spills?	Not Applicable
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable



Date: 5/22/2019

Yard/ Facility: M-4 Deerfield Road Salt Dome

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	Yes
2	Are the pump and hoses in good condition (no cracks, etc)?	Yes
3	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Not Applicable
2	Is the AST area free of leaks, stains, spills?	Not Applicable
3	Are the pump and hoses in good condition (no cracks, etc)?	Not Applicable
4	Are the AST valves in the closed position when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

MIS	MISCELLANEOUS AREAS	
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Not Applicable
4	Is there a drip pan under the dispensing valve of the emulsion tank?	Not Applicable
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Not Applicable
8	Are used batteries stored indoors or under cover?	Not Applicable
9	Is hazardous waste stored indoors or under cover?	Not Applicable
10	Are the drums/containers in the hazardous waste storage area properly labeled?	Not Applicable
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Not Applicable



Yard/ Facility: M-4 Deerfield Road Salt Dome

Date: 5/22/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed): Robert Suda
Illinois Tollway Contracted Inspector's Signature:

Date: 5/22/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Location: Illinois Tollway Maintenance Facility Annual SWPPP Inspection M-4 Salt Dome (Deerfield)

Photo No.	1
Date	5-15-2019
Time	14:40
Direction	South
Photo Taken	RWS

Comments

Diesel and E-85 ASTs.

Action Item: Replace the faded labels Aboveground Storage Tanks. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided. Provide a spill kit in fueling area.



Photo No.	2
Date	5-15-2019
Time	14:40
Direction	West
Photo Taken	RWS

Comments

Calcium Chloride AST.



Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



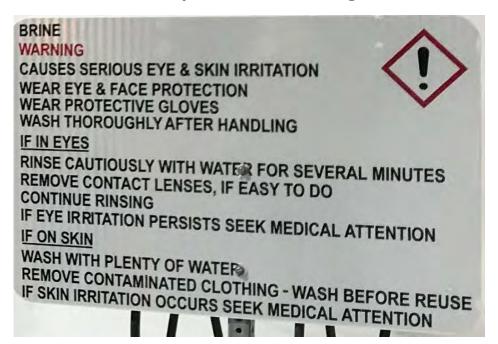
Example Sweeper Waste Dumpster Sign



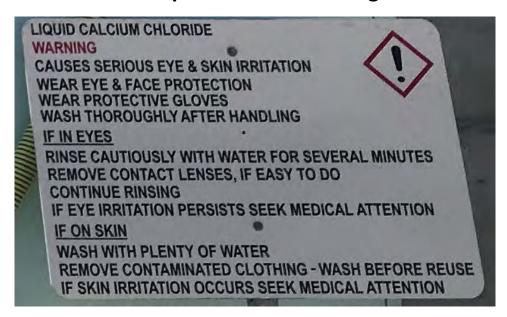
Example Scrap Metal Dumpster Sign

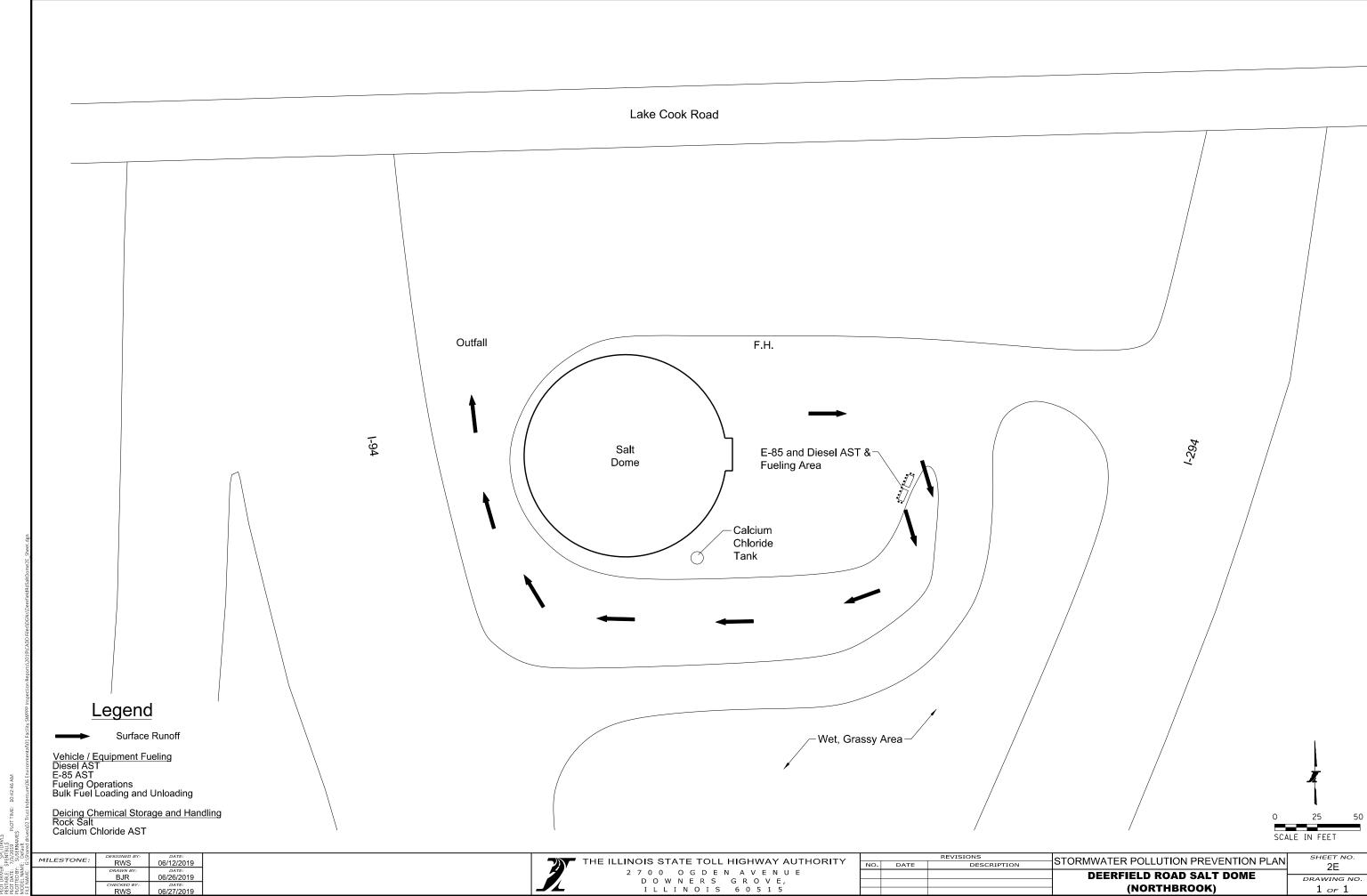


Example Brine Tank Sign



Example Chloride Tank Sign





Appendix F M-5 Maintenance Facility (Arlington Heights, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Donald Ryan; Matthew Carter

Yard/ Facility: M-5 Maintenance Facility Location: Arlington Heights, IL

Date: 05/15/2019 Time: 09:00

Weather Conditions During Inspection: Sunny, 70 degrees

GOOD HOUSEKEEPING		(Select One)
1	Are drums kept indoors neat, clean, and orderly?	Yes
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Yes
4	Are empty drums and totes stored in the designated area?	Yes
5	Are the empty drums and totes capped/covered and free of surface residue?	Yes
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Yes
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Yes
10	Are the waste dumpsters covered when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage to identify the contents of dumpsters. Example signage is attached at the end of this report. (See Photo 8)

DIESEL AND UNLEADED FUELING AREA		(Select One)
1	Is the fueling area free of leaks, stains, spills?	Yes
2	Is a spill kit located nearby?	No
3	Are the pumps in good condition?	Yes
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Yes
5	Are the level gauges working properly (regular documented system checks conducted)?	Yes
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Yes
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Yes
8	Are the tanks and pumps properly labeled?	Yes
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Yes
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Yes

^{*} Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to potential larger spills and supplement the granular adsorbent currently provided. Label the existing clean adsorbent container using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 14)



Date: 5/15/2019

Yard/ Facility: M-5 Maintenance Facility

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the fueling area AST area free of leaks, stains, spills?	Yes
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Yes
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Yes
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	Is the used oil AST area free of leaks, stains, spills?	Yes
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. (see Photo 6)

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Yes
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

^{*} Replace faded labels on the E-85 AST. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Provide a spill kit with adsorbent socks and pads at E-85 AST. (see Photo 14)



Date: 5/15/2019

Yard/ Facility: M-5 Maintenance Facility

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	Yes
2	Are the pump and hoses in good condition (no cracks, etc)?	Yes
3	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage for the Calcium Chloride AST. Ensure that signage with tank contents, storage capacity, hazards, and warnings are provided. (see Photo 13)

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Salt Brine
2	Is the AST area free of leaks, stains, spills?	Yes
3	Are the pump and hoses in good condition (no cracks, etc)?	Yes
4	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage for the Salt Brine AST. Ensure that signage with tank contents, storage capacity, hazards, and warnings are provided. (see Photo 13)

MISCELLANEOUS AREAS		
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	No
4	Is there a drip pan under the dispensing valve of the emulsion tank?	No
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Yes
8	Are used batteries stored indoors or under cover?	Yes
9	Is hazardous waste stored indoors or under cover?	Yes
10	Are the drums/containers in the hazardous waste storage area properly labeled?	No
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Yes

- * Provide labeling for the Used Oil Filter Bin using an adhesive label designed for this purpose. (see Photo 3)
- * Label the contents of all waste containers with content, generation date, and hazard labels in the Hazardous Waste Accumulation Area using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 1)
- *Label the existing clean adsorbent material container in the Vehicle Maintenance Area using an adhesive label designed for this purpose. (see Photo 2)
- * Cleanout the spill containment pit in the Bulk Oil Distribution Area (see Photo 4)

^{*} The Asphalt Emulsion AST is stored outdoors without cover, is not labeled, and no drip container is provided. Label the tank with contents, storage capacity, hazards, and warnings. Store tank indoors or under cover with a drip tray below the valve. (See Photo 10)



Yard/ Facility: M-5 Maintenance Facility

Date: 5/15/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed): Robert Suda

Illinois Tollway Contracted Inspector's Signature:

Date:

5/15/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-5 Maintenance Facility (Arlington Heights, IL)

Photo No.	1
Date	5-15-2019
Time	09:02
Direction	north
Photo Taken By	RWS

Comments

Hazardous Waste Accumulation Area.

Action Item: Label all containers with contents and generation date using an adhesive label designed for this purpose.



Photo No.	2
Date	5-15-2019
Time	09:05
Direction	south
Photo Taken By	RWS

Comments

Bulk Oil Storage Area.

Action Item: Label the existing clean adsorbent material container using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-5 Maintenance Facility (Arlington Heights, IL)

Photo No.	3
Date	5-15-2019
Time	09:07
Direction	northwest
Photo Taken By	RWS

Comments

Use Oil/Antifreeze Transfer Area, Used Oil Filter Bin

Action Item: Provide labeling for the Used Oil Filter Bin using an adhesive label designed for this purpose.



Photo No.	4
Date	5-15-2019
Time	09:09
Direction	north
Photo Taken By	RWS

Comments

Bulk Oil Distribution Area.

Action Item: Cleanout the spill containment pit of accumulation fluids.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-5 Maintenance Facility (Arlington Heights, IL)

Photo No.	5
Date	5-15-2019
Time	09:10
Direction	northeast
Photo Taken By	RWS

Comments

Used Antifreeze AST.



Photo No.	6
Date	5-15-2019
Time	09:11
Direction	north
Photo Taken By	RWS

Comments

Used Oil AST.

Action Item: Replace faded labels on the Used Oil AST. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-5 Maintenance Facility (Arlington Heights, IL)

Photo No.	7
Date	5-15-2019
Time	09:12
Direction	north
Photo Taken By	RWS

Comments

Plow Storage Area.



Photo No.	8
Date	5-15-2019
Time	09:14
Direction	north
Photo Taken By	RWS

Comments

Sweeper Waste Dumpster.

Action Item: Provide signage for the dumpster contents.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-5 Maintenance Facility (Arlington Heights, IL)

Photo No.	9
Date	5-15-2019
Time	09:15
Direction	north
Photo Taken By	RWS

Comments

Bulk Material Storage Bunkers.



Photo No.	10
Date	5-15-2019
Time	09:18
Direction	west
Photo Taken By	RWS

Comments

Emulsion AST.

Relocate the Asphalt Emulsion Tank indoors or under cover with a drip tray beneath the valve. Label the tank with tank contents, storage capacity, hazards, and warnings.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-5 Maintenance Facility (Arlington Heights, IL)

Photo No.	11
Date	5-15-2019
Time	09:20
Direction	south
Photo Taken By	RWS

Comments

Sand & Gravel Bunkers.



Photo No.	12
Date	5-15-2019
Time	09:23
Direction	south
Photo Taken By	RWS

Comments

Salt Dome.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-5 Maintenance Facility (Arlington Heights, IL)

Photo No.	13
Date	5-15-2019
Time	09:24
Direction	southwest
Photo Taken By	RWS

Comments

Brine and Calcium Chloride ASTs.

Action Item: Provide signage with tank content, storage capacity, hazards, and warnings.



Photo No.	14
Date	5-15-2019
Time	09:27
Direction	east
Photo Taken By	RWS

Comments

Fuel Island.

Action Item: Provide a spill kit at the Fuel Island to respond to larger spills and supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-5 Maintenance Facility (Arlington Heights, IL)

Photo No.	14
Date	5-15-2019
Time	09:29
Direction	south
Photo Taken By	RWS

Comments

E-85 AST.

Action Items: Replace faded labels on the E-85 Above Ground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided.



Photo No.
Date
Time
Direction
Photo Taken By
Comments

Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



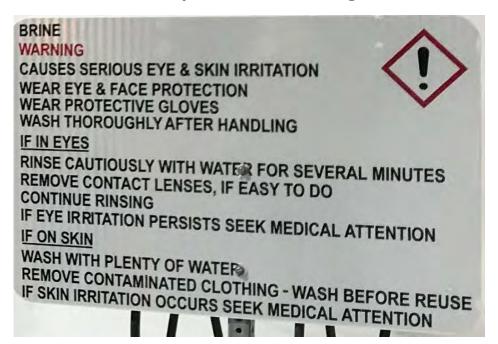
Example Sweeper Waste Dumpster Sign



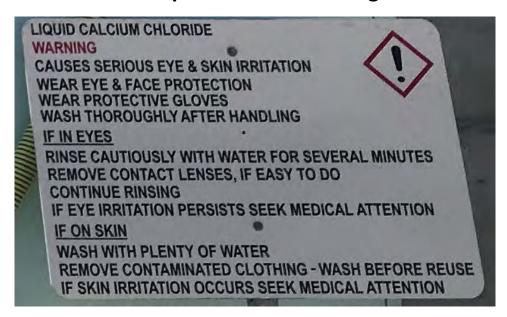
Example Scrap Metal Dumpster Sign

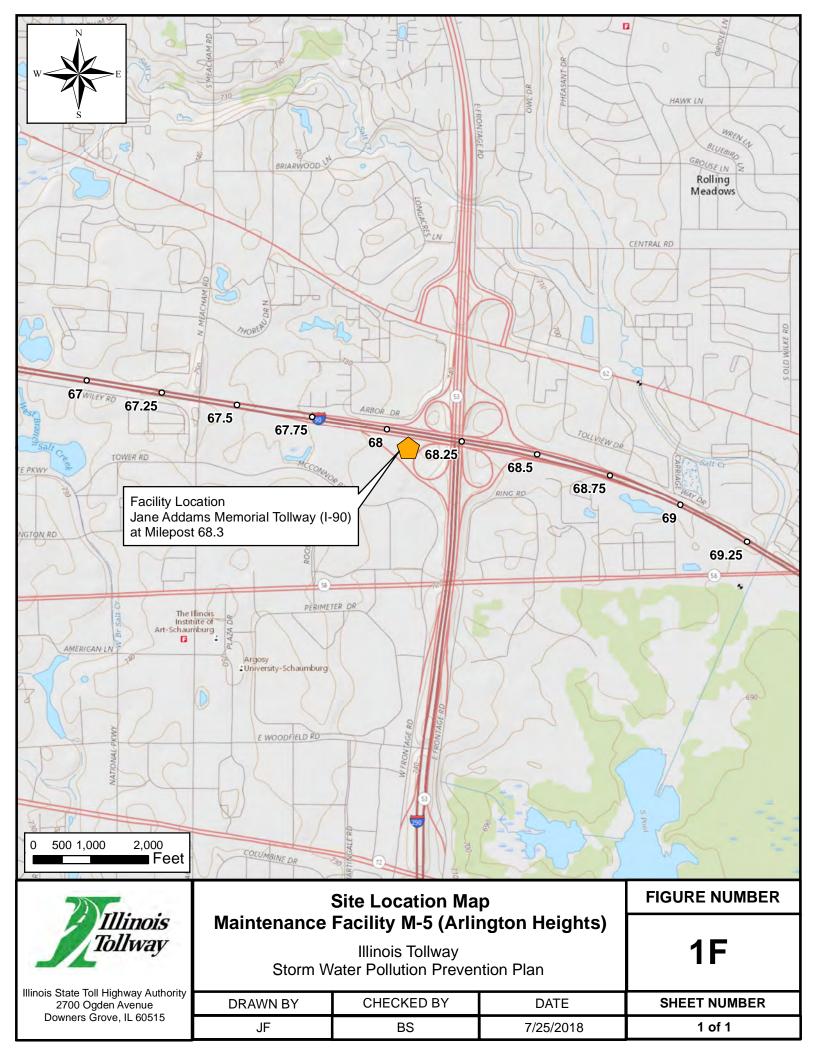


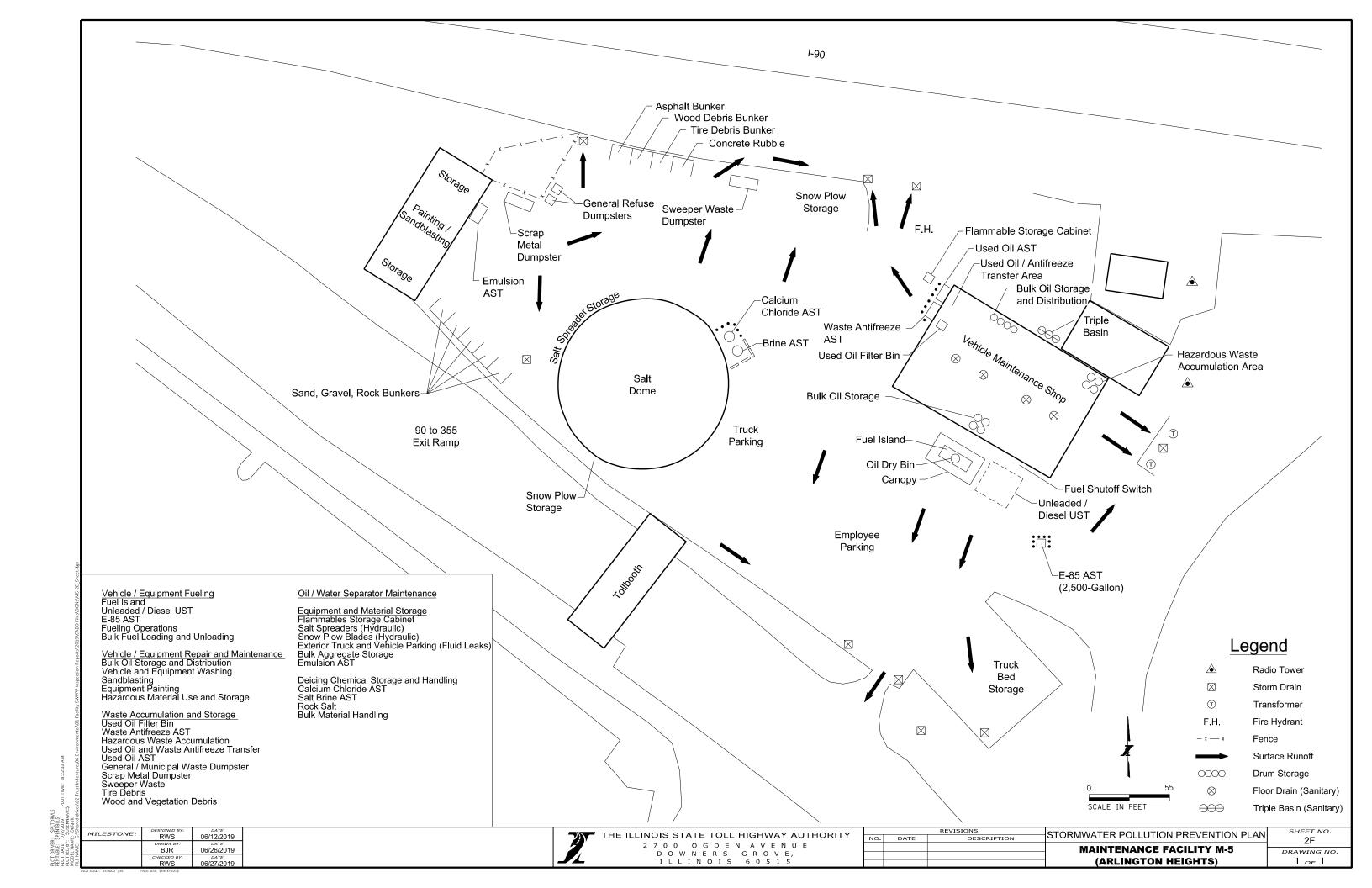
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix G M-6 Maintenance Facility (Marengo, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Robert Capuzi; Alexandru Oancea

Yard/ Facility: M-6 Maintenance Facility Location: Marengo, IL

Date: 05/15/2019 Time: 12:00

Weather Conditions During Inspection: Clear, 70 degrees

GOOD HOUSEKEEPING		(Select One)
1	Are drums kept indoors neat, clean, and orderly?	Yes
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Yes
4	Are empty drums and totes stored in the designated area?	Yes
5	Are the empty drums and totes capped/covered and free of surface residue?	Yes
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Yes
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Yes
10	Are the waste dumpsters covered when not in use?	No

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace dumpsters with those with covers. (see Photo 10)

DIESEL AND UNLEADED FUELING AREA		(Select One)
1	Is the fueling area free of leaks, stains, spills?	Yes
2	Is a spill kit located nearby?	No
3	Are the pumps in good condition?	Yes
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Yes
5	Are the level gauges working properly (regular documented system checks conducted)?	Yes
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Yes
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Yes
8	Are the tanks and pumps properly labeled?	Yes
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Yes
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Yes

^{*} Provide signage to identify the contents of dumpsters. Example signage is attached at the end of this report. (see Photos 10 and 11)

^{*} Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 7)



Date: 5/15/2019

Yard/ Facility: M-6 Maintenance Facility

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		
1	Is the fueling area AST area free of leaks, stains, spills?	Not Applicable
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Yes
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Yes
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	No

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	Is the used oil AST area free of leaks, stains, spills?	Yes
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. (see Photo 3)

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Yes
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable



Date: 5/15/2019

Yard/ Facility: M-6 Maintenance Facility

CA	CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)	
1	Is the calcium chloride AST area free of leaks, stains, spills?	Yes
2	Are the pump and hoses in good condition (no cracks, etc)?	Yes
3	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Salt Brine
2	Is the AST area free of leaks, stains, spills?	Yes
3	Are the pump and hoses in good condition (no cracks, etc)?	Yes
4	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

MIS	MISCELLANEOUS AREAS	
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Yes
4	Is there a drip pan under the dispensing valve of the emulsion tank?	No
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Yes
8	Are used batteries stored indoors or under cover?	Yes
9	Is hazardous waste stored indoors or under cover?	No
10	Are the drums/containers in the hazardous waste storage area properly labeled?	Not Applicable
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Yes

- * Provide a drip pan for the Asphalt Emulsion Tank. Label the tank with tank contents, storage capacity, hazards, and warnings. (see Photo 9)
- * Stabilize portion of berm disturbed by Contractor with vegetative cover. (see Photo 12)
- * Stabilize the conveyance where stormwater runoff enters facility from adjacent IDOT right-of-way. (see Photo 13)
- * Label the contents of the Used Oil Filter Bin using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 2)
- * Label all waste containers Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 14)

^{*} Repair the anchors for the tank signage which has been knocked over/fasteners snapped. (see Photo 8)

^{*} Repair the anchors for the tank signage which has been knocked over/fasteners snapped. (see Photo 8)



Yard/ Facility: M-6 Maintenance Facility

Date: 5/15/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed): Robert Sud

Illinois Tollway Contracted Inspector's Signature:

Date: 5/15/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-6 Maintenance Facility (Marengo, IL)

Photo No.	1
Date	5-15-2019
Time	10:29
Direction	south
Photo Taken By	RWS

Comments

Indoor Vehicle Parking Area.



Photo No.	2
Date	5-15-2019
Time	10:35
Direction	west
Photo Taken By	RWS

Comments

Bulk Oil Storage and Distribution Area.

Action Item: Label the contents of the Used Oil Filter Bin using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-6 Maintenance Facility (Marengo, IL)

Photo No.	3
Date	5-15-2019
Time	10:40
Direction	west
Photo Taken By	RWS

Comments

Used Oil and Antifreeze ASTs.

Action Item: Replace the faded labels on the Used Oil Aboveground Storage Tank. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22.

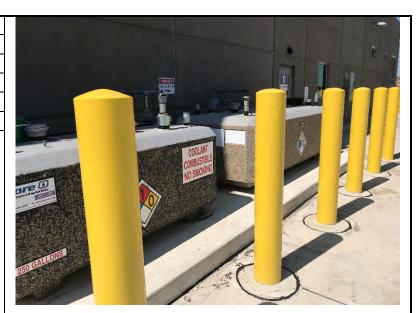


Photo No.	4
Date	5-15-2019
Time	10:44
Direction	east
Photo Taken By	RWS

Comments

Truck Wash.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-6 Maintenance Facility (Marengo, IL)

Photo No.	5
Date	5-15-2019
Time	10:47
Direction	west
Photo Taken By	RWS

Comments

Truck Wash Mechanical Room.



Photo No.	6
Date	5-15-2019
Time	10:51
Direction	north
Photo Taken By	RWS

Comments

Oil-Water Separator at Truck Wash.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-6 Maintenance Facility (Marengo, IL)

Photo No.	7
Date	5-15-2019
Time	10:55
Direction	north
Photo Taken By	RWS

Comments

Fuel Island.

Action Item: Provide a Spill Kit at the Fuel Island to respond to larger spills and supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose.



Photo No.	8
Date	5-15-2019
Time	10:57
Direction	south
Photo Taken By	RWS

Comments

Salt Brine and Calcium Chloride ASTs.

Action Item: Repair the anchors for the tank signage which has been knocked over/fasteners snapped.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-6 Maintenance Facility (Marengo, IL)

Photo No.	9
Date	5-15-2019
Time	10:59
Direction	north
Photo Taken By	RWS

Comments

Emulsion AST (inside Salt Dome.)

Action Item: Provide a drip tray beneath the tank valve. Label the tank with tank contents, storage capacity, hazards, and warnings.



Photo No.	10
Date	5-15-2019
Time	11:05
Direction	west
Photo Taken By	RWS

Comments

General Refuse Dumpsters.

Action Item: Provide signage to identify the contents of dumpsters. Replace dumpsters with those with covers.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-6 Maintenance Facility (Marengo, IL)

Photo No.	11
Date	5-15-2019
Time	11:06
Direction	east
Photo Taken By	RWS

Comments

Scrap Metal Dumpster.

Action Item: Provide signage to identify the contents of dumpster.



Photo No.	12
Date	5-15-2019
Time	11:13
Direction	south
Photo Taken By	RWS

Comments

Earth Berm on south side of facility.

Action Item: Stabilize portion of berm disturbed by Contractor with vegetative cover.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-6 Maintenance Facility (Marengo, IL)

Photo No.	13
Date	5-15-2019
Time	11:19
Direction	
Photo Taken By	RWS
	north

Comments

East End of Pond on north side of facility.

Action Item: Stabilize the conveyance where stormwater runoff enters facility from adjacent IDOT right-of-way.



Photo No.	14
Date	5-15-2019
Time	11:15
Direction	South
Photo Taken By	RWS

Comments

Hazardous Waste Accumulation Area

Action Item: Label all waste containers with contents and generation date using an adhesive label designed for this purpose



Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



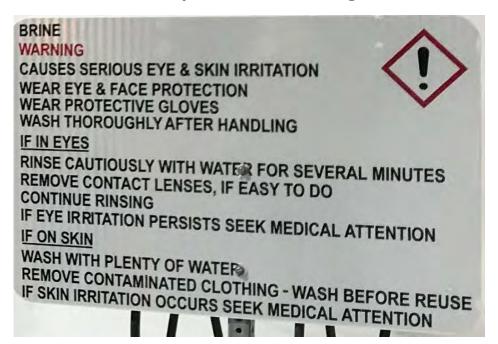
Example Sweeper Waste Dumpster Sign



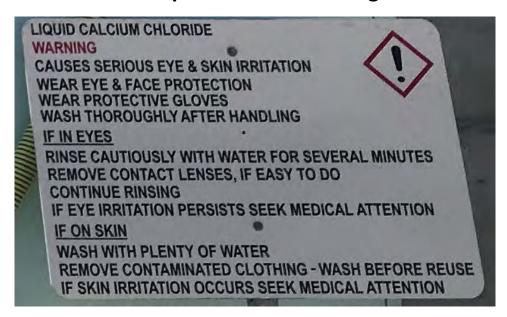
Example Scrap Metal Dumpster Sign

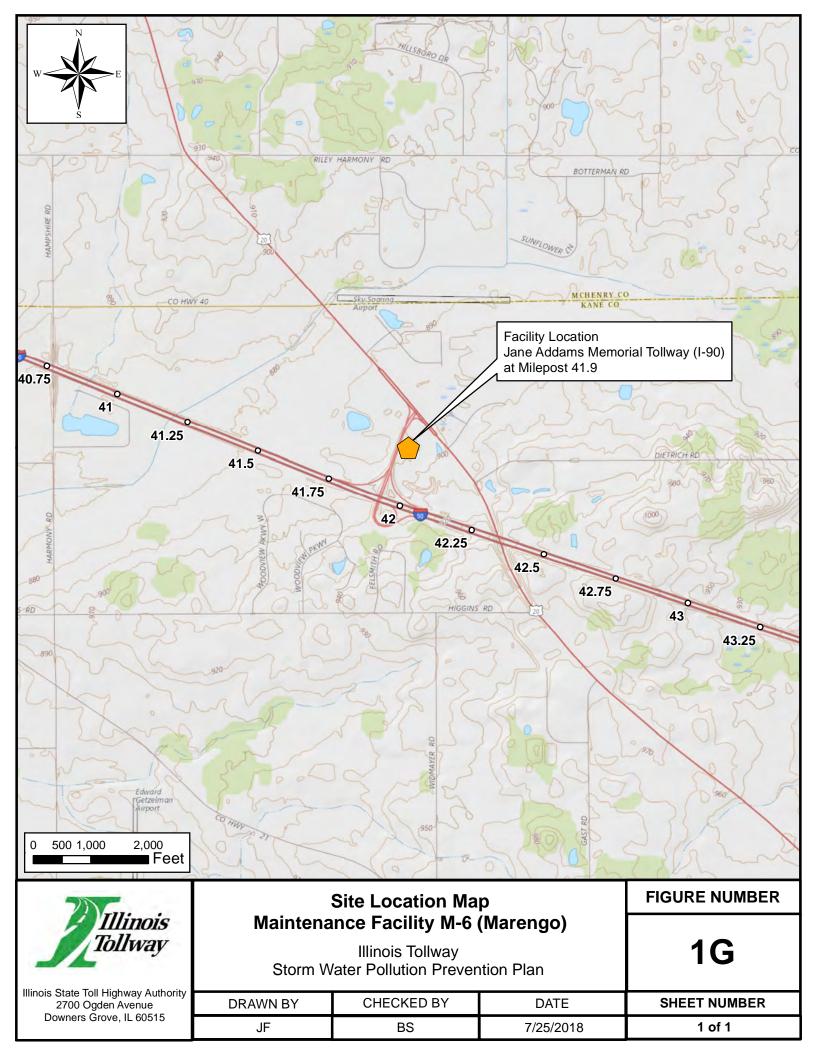


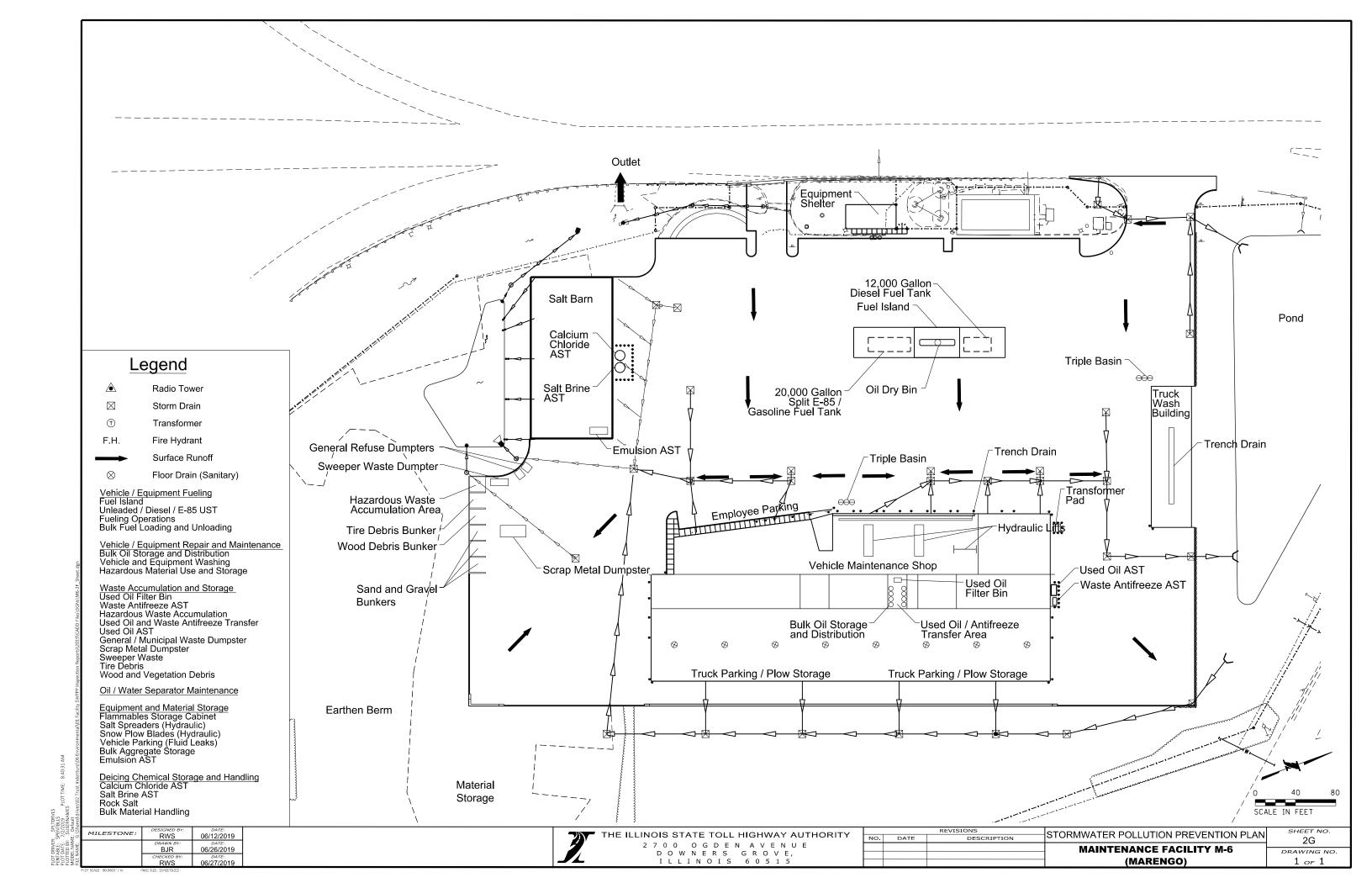
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix H M-7 Maintenance Facility (Rockford, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Noel Rodriguez; Adam Devine

Yard/ Facility: M-7 Maintenance Facility Location: Rockford, IL

Date: 05/15/2019 Time: 12:00

Weather Conditions During Inspection: Clear, 70 degrees

GOOD HOUSEKEEPING		(Select One)
1	Are drums kept indoors neat, clean, and orderly?	Yes
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Yes
4	Are empty drums and totes stored in the designated area?	Yes
5	Are the empty drums and totes capped/covered and free of surface residue?	Yes
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	No
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Yes
10	Are the waste dumpsters covered when not in use?	No

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage to identify the contents of dumpsters. Example signage is attached at the end of this report. (see Photos 11, 12 and 16)

DIESEL AND UNLEADED FUELING AREA		(Select One)
1	Is the fueling area free of leaks, stains, spills?	Yes
2	Is a spill kit located nearby?	No
3	Are the pumps in good condition?	Yes
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Yes
5	Are the level gauges working properly (regular documented system checks conducted)?	Yes
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Yes
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Yes
8	Are the tanks and pumps properly labeled?	Yes
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Yes
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Yes

^{*} Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 9)



Date: 5/15/2019

Yard/ Facility: M-7 Maintenance Facility

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the fueling area AST area free of leaks, stains, spills?	Not Applicable
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Yes
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Yes
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USE	USED OIL ABOVEGROUND STORAGE TANK	
1	Is the used oil AST area free of leaks, stains, spills?	Yes
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. (see Photo 17)

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Yes
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable



Date: 5/15/2019

Yard/ Facility: M-7 Maintenance Facility

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	Yes
2	Are the pump and hoses in good condition (no cracks, etc)?	Yes
3	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage for the Calcium Chloride AST including tank contents, storage capacity, hazards, and warnings. (see Photo 10).

BEE.	BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)	
1	Tank Contents: Beet Heat/Salt Brine	Not Applicable
2	Is the AST area free of leaks, stains, spills?	Not Applicable
3	Are the pump and hoses in good condition (no cracks, etc)?	Not Applicable
4	Are the AST valves in the closed position when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

MIS	MISCELLANEOUS AREAS	
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Yes
4	Is there a drip pan under the dispensing valve of the emulsion tank?	Yes
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Yes
8	Are used batteries stored indoors or under cover?	Yes
9	Is hazardous waste stored indoors or under cover?	Yes
10	Are the drums/containers in the hazardous waste storage area properly labeled?	Yes
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	No

^{*} Label the contents for the Used Oil Filter Bin using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 3)

^{*} Label the contents of the clean adsorbent container in the Tire Shop using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 4)

^{*} Label all waste containers Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 15)



Yard/ Facility: M-7 Maintenance Facility

Date: 5/15/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed): Robert Suda
Illinois Tollway Contracted Inspector's Signature:

Date: 5/15/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-7 Maintenance Facility (Rockford, IL)

Photo No.	1
Date	5-15-2019
Time	12:13
Direction	south
Photo Taken By	RWS

Comments

Indoor Truck Parking Area.

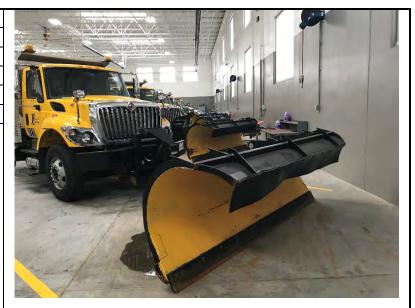
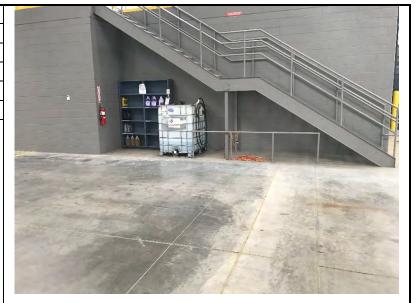


Photo No.	2
Date	5-15-2019
Time	12:15
Direction	east
Photo Taken By	RWS

Comments

Diesel Exhaust Fluid Storage Area.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-7 Maintenance Facility (Rockford, IL)

Photo No.	3
Date	5-15-2019
Time	12:17
Direction	south
Photo Taken By	RWS

Comments

Bulk Oil Storage and Distribution Room.

Action Item: Label the contents for the Used Oil Filter Bin using an adhesive label designed for this purpose.



Photo No.	4
Date	5-15-2019
Time	12:20
Direction	east
Photo Taken By	RWS

Comments

Clean Oil-Dry Container (in Tire Shop.)

Action Item: Label the contents of the clean adsorbent container using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-7 Maintenance Facility (Rockford, IL)

Photo No.	5
Date	5-15-2019
Time	12:24
Direction	east
Photo Taken By	RWS

Comments

Parts Washing Station (in Maintenance Shop.)



Photo No.	6
Date	5-15-2019
Time	12:25
Direction	south
Photo Taken By	RWS

Comments

Truck Wash Mechanical Room.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-7 Maintenance Facility (Rockford, IL)

Photo No.	7
Date	5-15-2019
Time	12:28
Direction	west
Photo Taken By	RWS

Comments

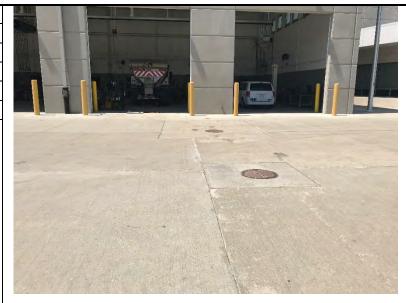
Truck Wash Oil-Water Separator.



Photo No.	8
Date	5-15-2019
Time	12:28
Direction	west
Photo Taken By	RWS

Comments

Maintenance Shop Oil-Water Separator.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-7 Maintenance Facility (Rockford, IL)

Photo No.	9
Date	5-15-2019
Time	12:29
Direction	south
Photo Taken By	RWS

Comments

Fueling Island.

Action Item: Provide a spill kit at the Fueling Island to respond to potential larger spills and supplement the granular adsorbent currently provided. Label the existing clean adsorbent container using an adhesive label designed for this purpose.



Photo No.	10
Date	5-15-2019
Time	12:32
Direction	north
Photo Taken By	RWS

Comments

Chloride Storage Tank.

Action Item: Provide signage for the Calcium Chloride AST including tank contents, storage capacity, hazards, and warnings.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-7 Maintenance Facility (Rockford, IL)

Photo No.	11
Date	5-15-2019
Time	12:32
Direction	north
Photo Taken By	RWS

Comments

Scrap Metal Dumpster.

Action Item: Provide signage to identify the contents of the dumpster.



Photo No.	12
Date	5-15-2019
Time	12:35
Direction	west
Photo Taken By	RWS

Comments

Municipal Waste Dumpster.

Action Item: Provide signage to identify the contents of dumpsters.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-7 Maintenance Facility (Rockford, IL)

Photo No.	13
Date	5-15-2019
Time	12:36
Direction	west
Photo Taken By	RWS

Comments

Flammables Storage Cabinet (inside Storage Building).



Photo No.	14
Date	5-15-2019
Time	12:37
Direction	northeast
Photo Taken By	RWS

Comments

Bulk Material Storage Bunkers.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-7 Maintenance Facility (Rockford, IL)

Photo No.	15
Date	5-15-2019
Time	12:38
Direction	east
Photo Taken By	RWS

Comments

Hazardous Waste Accumulation Area.

Action Item: Label all waste containers Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose.



Photo No.	16
Date	5-15-2019
Time	12:42
Direction	north
Photo Taken By	RWS

Comments

Sweeper Waste Dumpster.

Action Item: Provide signage to identify the contents of dumpster.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-7 Maintenance Facility (Rockford, IL)

Photo No.	17
Date	5-15-2019
Time	12:52
Direction	west
Photo Taken By	RWS

Comments

Used Oil and Antifreeze ASTs.

Action Item: Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22.



Photo No.	
Date	
Time	1
Direction	
Photo Taken By	
Comments	

Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



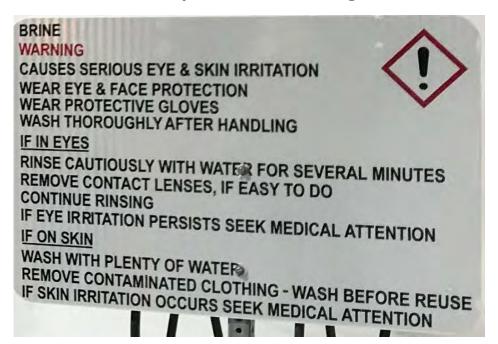
Example Sweeper Waste Dumpster Sign



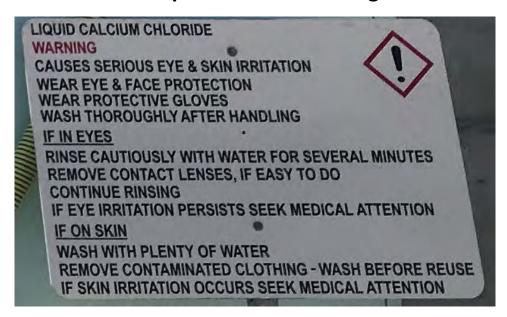
Example Scrap Metal Dumpster Sign

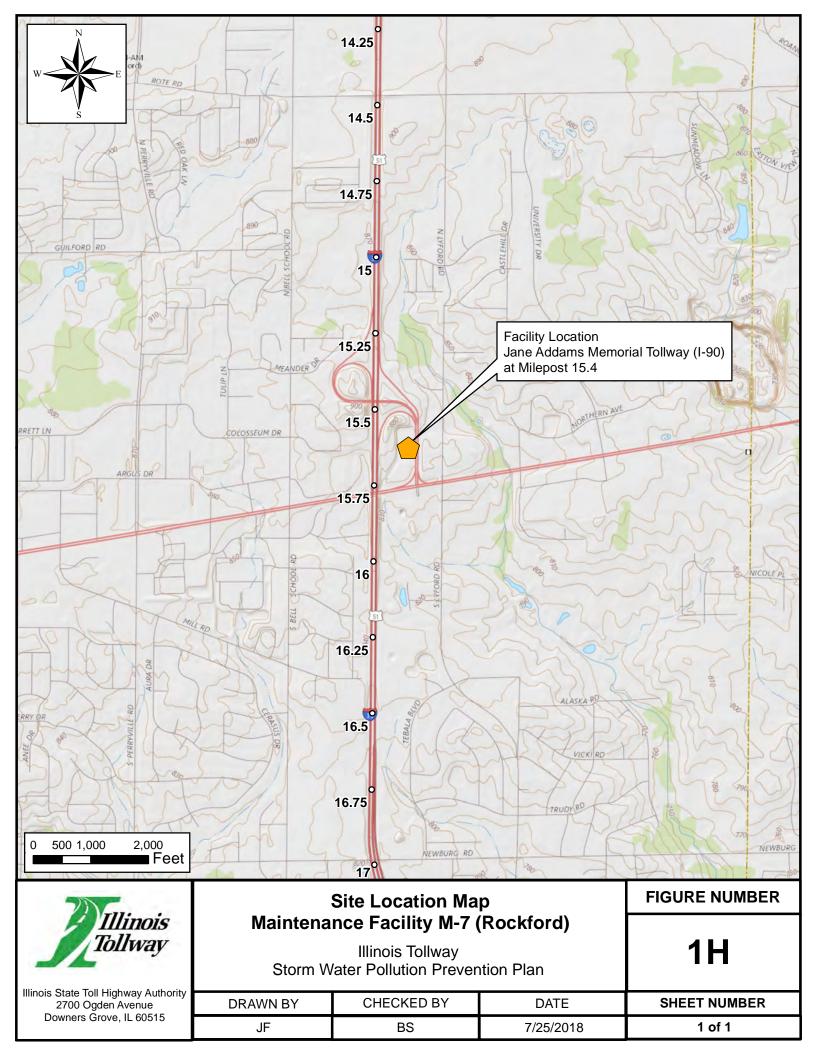


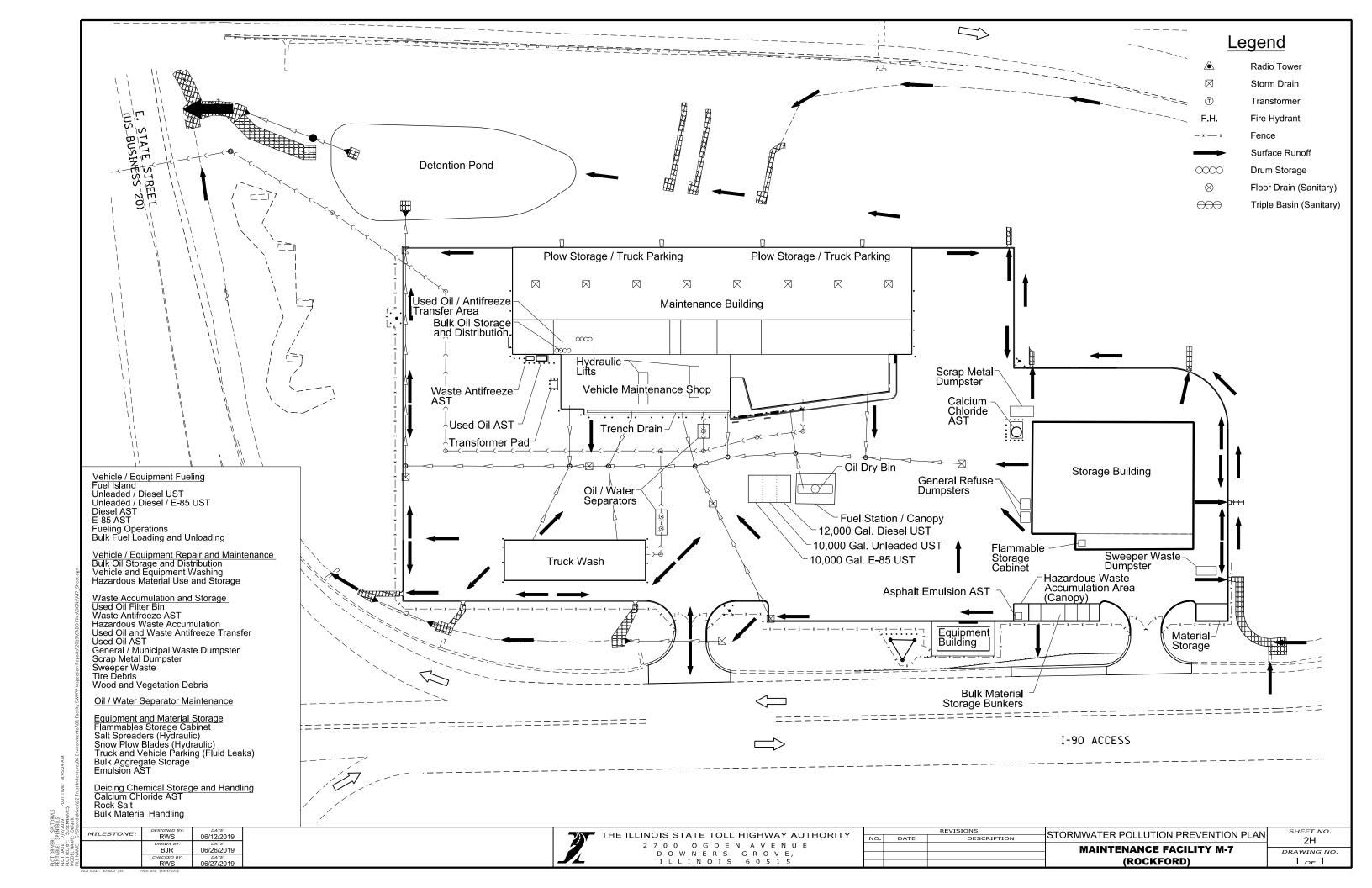
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix I M-8 Maintenance Facility (Naperville, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Philip Peterson; Aaron Lamore

Yard/ Facility: M-8 Maintenance Facility Location: Naperville, IL

Date: 05/16/2019 Time: 12:30

Weather Conditions During Inspection: Sunny, 85 degrees

GOOD HOUSEKEEPING		
1	Are drums kept indoors neat, clean, and orderly?	Yes
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Yes
4	Are empty drums and totes stored in the designated area?	Not Applicable
5	Are the empty drums and totes capped/covered and free of surface residue?	Not Applicable
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Yes
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Yes
10	Are the waste dumpsters covered when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage to identify the contents of the General Refuse Dumpsters. Example signage is attached at the end of this report. (see Photo 13)

DIESEL AND UNLEADED FUELING AREA		(Select One)
1	Is the fueling area free of leaks, stains, spills?	Yes
2	Is a spill kit located nearby?	No
3	Are the pumps in good condition?	Yes
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Yes
5	Are the level gauges working properly (regular documented system checks conducted)?	Yes
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Yes
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Yes
8	Are the tanks and pumps properly labeled?	Yes
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Yes
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 14)



Date: 5/16/2019

Yard/ Facility: M-8 Maintenance Facility

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		
1	Is the fueling area AST area free of leaks, stains, spills?	Yes
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace the faded and missing labels on the E-85 Aboveground Storage Tank. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided. Provide a spill kit with adsorbent socks and pads at the AST (see Photos 15 and 16)

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Yes
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Yes
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		
1	Is the used oil AST area free of leaks, stains, spills?	Yes
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace faded labels on the Used Oil Above Ground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22. (see Photo 23)

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Not Applicable
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:



Date: 5/16/2019

Yard/ Facility: M-8 Maintenance Facility

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	Yes
2	Are the pump and hoses in good condition (no cracks, etc)?	Yes
3	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Salt Brine
2	Is the AST area free of leaks, stains, spills?	Yes
3	Are the pump and hoses in good condition (no cracks, etc)?	Yes
4	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

MISCELLANEOUS AREAS		(Select One)
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Yes
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Yes
4	Is there a drip pan under the dispensing valve of the emulsion tank?	Yes
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Yes
8	Are used batteries stored indoors or under cover?	Yes
9	Is hazardous waste stored indoors or under cover?	Yes
10	Are the drums/containers in the hazardous waste storage area properly labeled?	No
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Label the contents for the Used Oil Filter Bins using an adhesive label. Example labels are attached at the end of this report. (see Photo 1)

^{*} Used coolant drums stored near the Used Oil AST are not sealed, are improperly located, and are not properly labeled. Relocate drums to store indoors or under cover, seal the drum openings with bung hole caps, and label with an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 3)

^{*} Label all waste containers in the Hazardous Waste Accumulation Areas with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photos 6 and 19)

^{*} Provide labeling for the Asphalt Emulsion AST including contents, storage capacity, hazards, and warnings. (see Photo 10)

^{*} Store topsoil under cover or provide a tarp to prevent soil in storm runoff from entering stormwater inlets. (see Photo 5)



Yard/ Facility: M-8 Maintenance Facility

Date: 5/16/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed): Robert Suda Illinois Tollway Contracted Inspector's Signature:

Date: 5/16/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-8 Maintenance Facility (Naperville, IL)

Photo No.	1
Date	5-16-2019
Time	11:36
Direction	northeast
Photo Taken By	RWS

Comments

Used Oil Filter Bins.

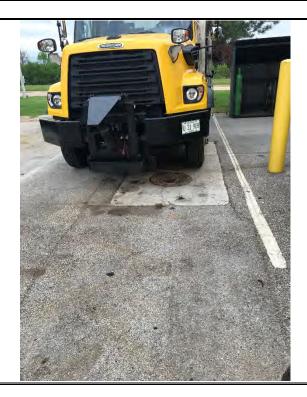
Action Item: Label the contents for the Used Oil Filter Bins using an adhesive label designed for this purpose.



Photo No.	2
Date	5-16-2019
Time	11:37
Direction	north
Photo Taken By	RWS

Comments

Oil-Water Separator Area.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-8 Maintenance Facility (Naperville, IL)

Photo No.	3
Date	5-16-2019
Time	11:38
Direction	north
Photo Taken By	RWS

Comments

Used Oil AST Area.

Action Item: Used coolant drums are not sealed, improperly stored, and are not properly labeled. Relocate drums to store indoors or under cover, seal the bung holes with a proper plug, and label with an adhesive label designed for this purpose.



Photo No.	4
Date	5-16-2019
Time	11:39
Direction	north
Photo Taken By	RWS

Comments

Salt Spreader Storage.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-8 Maintenance Facility (Naperville, IL)

Photo No.	5
Date	5-16-2019
Time	11:39
Direction	north
Photo Taken By	RWS

Comments

Bulk Material Bunkers.

Action Item: Store topsoil under cover or provide tarp to prevent runoff into stormwater inlets.



Photo No.	6
Date	5-16-2019
Time	11:40
Direction	north
Photo Taken By	RWS

Comments

Hazardous Waste Accumulation Area.

Action Item: Label all waste containers in the Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-8 Maintenance Facility (Naperville, IL)

Photo No.	7
Date	5-16-2019
Time	11:47
Direction	north
Photo Taken By	RWS

Comments

Sweeper Waste Dumpster.



Photo No.	8
Date	5-16-2019
Time	11:48
Direction	north
Photo Taken By	RWS

Comments

Bulk Material Bunkers.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-8 Maintenance Facility (Naperville, IL)

Photo No.	9
Date	5-16-2019
Time	11:49
Direction	north
Photo Taken By	RWS

Comments

Calcium Chloride and Salt Brine Storage Tanks.



Photo No.	10
Date	5-16-2019
Time	11:50
Direction	north
Photo Taken By	RWS

Comments

Emulsion AST inside Storage Building.

Action Item: The Asphalt Emulsion AST is not labeled. Label the tank with contents, storage capacity, hazards, and warnings.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-8 Maintenance Facility (Naperville, IL)

Photo No.	11
Date	5-16-2019
Time	11:53
Direction	south
Photo Taken By	RWS

Comments

Plow Storage Area.



Photo No.	12
Date	5-16-2019
Time	11:55
Direction	east
Photo Taken By	RWS

Comments

Scrap Metal Dumpster.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-8 Maintenance Facility (Naperville, IL)

Photo No.	13
Date	5-16-2019
Time	11:56
Direction	west
Photo Taken By	RWS

Comments

General Refuse Dumpsters.

Action Item: Provide signage to identify the contents of dumpsters.



Photo No.	14
Date	5-16-2019
Time	11:57
Direction	east
Photo Taken By	RWS

Comments

Fueling Island.

Action Item: Provide a Spill Kit at the Fuel Island to respond to larger spills and supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-8 Maintenance Facility (Naperville, IL)

Photo No.	15
Date	5-16-2019
Time	11:57
Direction	south
Photo Taken By	RWS

Comments

E-85 AST.

Action Item: Replace the faded labels on the E-85 Aboveground Storage Tank. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided. Provide a spill kit at the AST.



Photo No.	16
Date	5-16-2019
Time	11:57
Direction	east
Photo Taken By	RWS

Comments

E-85 AST.

Action Item: Replace the missing labels on the E-85 Aboveground Storage Tank. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided. Provide a spill kit at the AST





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-8 Maintenance Facility (Naperville, IL)

Photo No.	17
Date	5-16-2019
Time	11:58
Direction	north
Photo Taken By	RWS

Comments

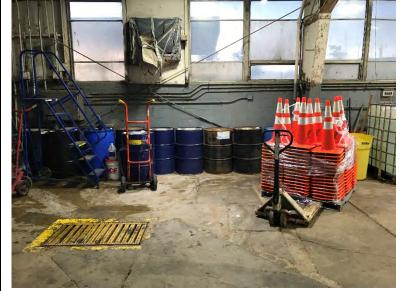
UST Area.



Photo No.	18
Date	5-16-2019
Time	12:00
Direction	south
Photo Taken By	RWS

Comments

Bulk Oil Storage Area.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-8 Maintenance Facility (Naperville, IL)

Photo No.	19
Date	5-16-2019
Time	12:00
Direction	north
Photo Taken By	RWS

Comments

Hazardous Waste Accumulation Area.

Action Item: Label all waste containers in the Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose.



Photo No.	20
Date	5-16-2019
Time	12:03
Direction	south
Photo Taken By	RWS

Comments

Clean Oil Dry Container (inside Maintenance Garage.)





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-8 Maintenance Facility (Naperville, IL)

Photo No.	21			
Date	5-16-2019			
Time	12:04			
Direction	north			
Photo Taken By	RWS			

Comments

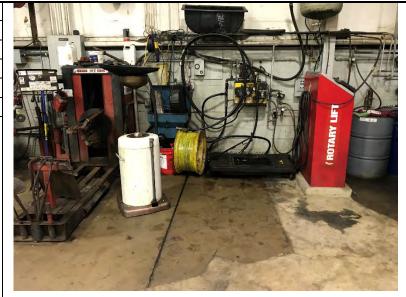
Bulk Oil Distribution Area and Parts Washer.



Photo No.	22			
Date	5-16-2019			
Time	12:04			
Direction	north			
Photo Taken By	RWS			

Comments

Used Oil Transfer Area.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-8 Maintenance Facility (Naperville, IL)

Photo No.	23			
Date	5-16-2019			
Time	11:36			
Direction	northeast			
Photo Taken By	RWS			

Comments

Waste Oil AST.

Action Item: Replace faded labels on the Used Oil Above Ground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22.



Photo No.		
Date		
Time		
Direction		
Photo Taken By		
Comments		

Example Hazardous Waste Container Label

HAZARDOUS		
U.		
	WASTE	
	MULATION F DATE	
CONT	ENTS	
	HANDLE WITH CARE!	
	CONTAINS HAZARDOUS OR TOXIC WASTES	

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



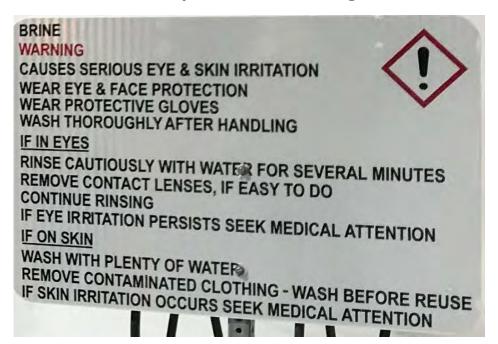
Example Sweeper Waste Dumpster Sign



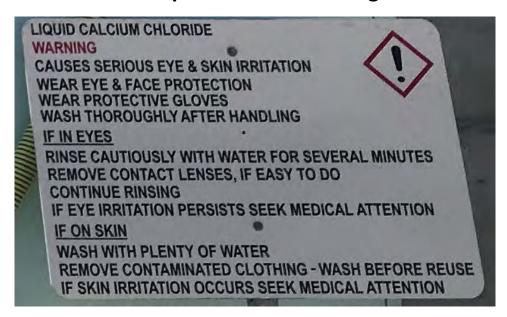
Example Scrap Metal Dumpster Sign

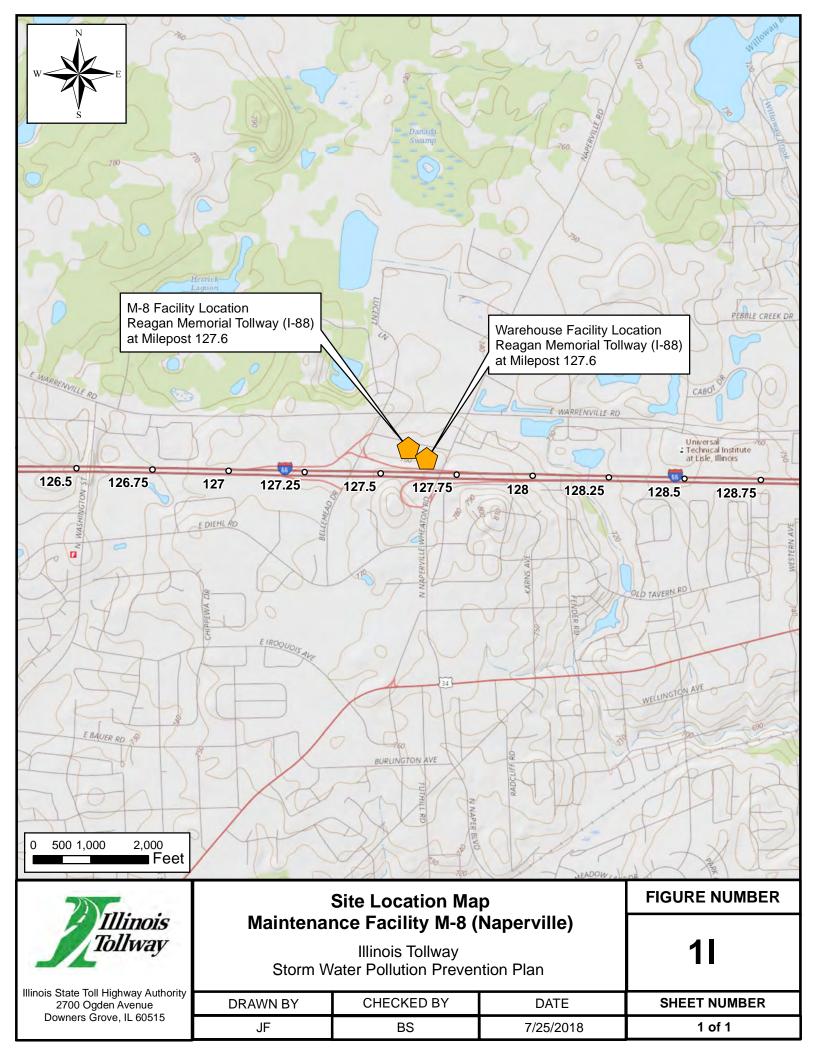


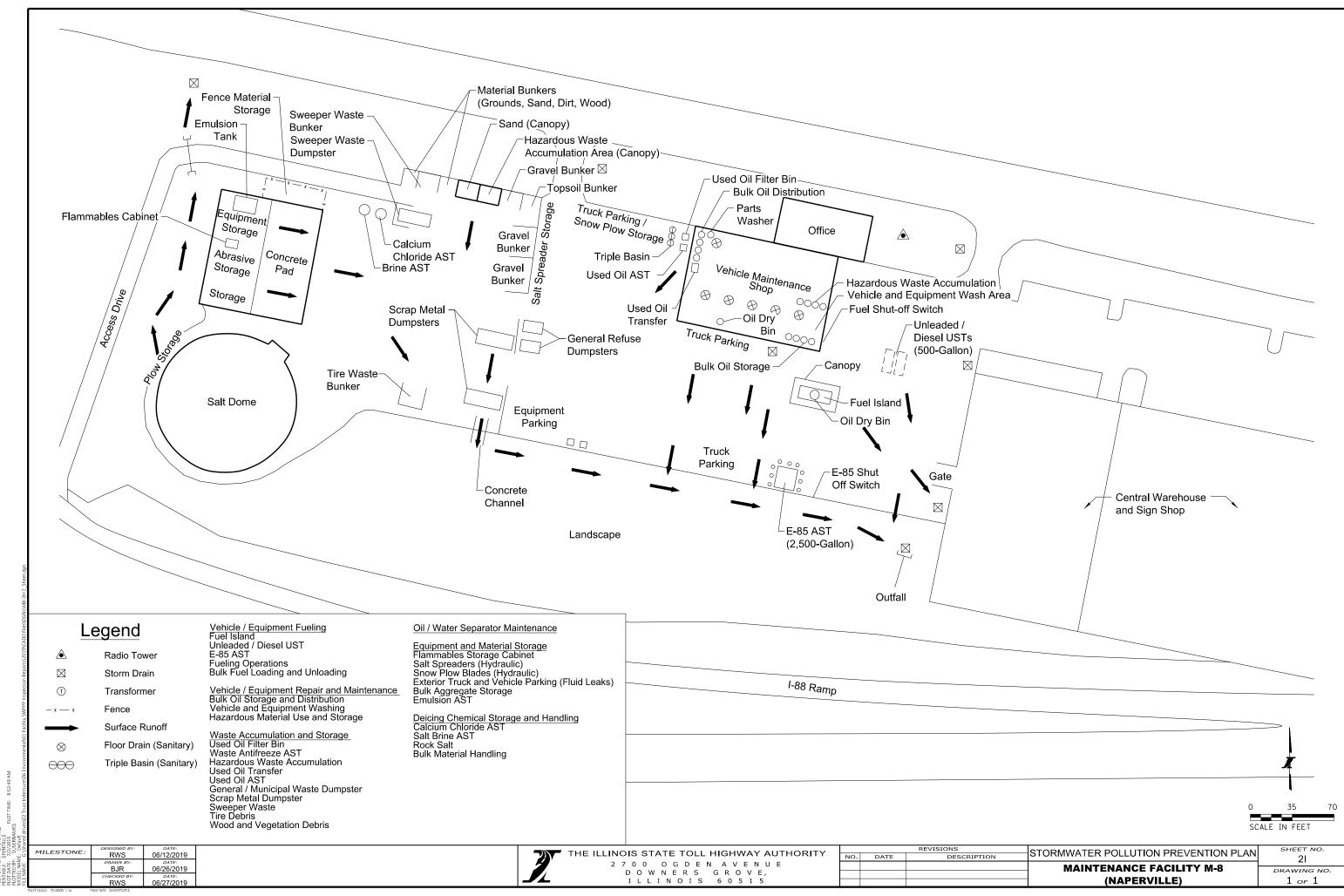
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix J M-8 Sign Shop and Central Warehouse (Naperville, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Philip Peterson; Aaron Lamore

Yard/ Facility: M-8 Central Warehouse & Sign Shop Location: Naperville, IL

Date: 05/16/2019 Time: 11:30

Weather Conditions During Inspection: Cloudy, 60 degrees

GOOD HOUSEKEEPING		(Select One)
1	Are drums kept indoors neat, clean, and orderly?	Yes
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Not Applicable
4	Are empty drums and totes stored in the designated area?	Yes
5	Are the empty drums and totes capped/covered and free of surface residue?	Yes
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Not Applicable
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Not Applicable
10	Are the waste dumpsters covered when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide a commercial flammables storage cabinet for fuel cans. (see Photo 3)

DIESEL AND UNLEADED FUELING AREA (Sele		(Select One)	
1	Is the fueling area free of leaks, stains, spills?	Not Applicable	
2	Is a spill kit located nearby?	Not Applicable	
3	Are the pumps in good condition?	Not Applicable	
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Not Applicable	
5	Are the level gauges working properly (regular documented system checks conducted)?	Not Applicable	
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Not Applicable	
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Not Applicable	
8	Are the tanks and pumps properly labeled?	Not Applicable	
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Not Applicable	
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Not Applicable	

^{*} Label all empty drums as "EMPTY". (see Photo 2)



Date: 5/16/2019

Yard/ Facility: M-8 Central Warehouse & Sign Shop

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)	
1	Is the fueling area AST area free of leaks, stains, spills?	Not Applicable	
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable	
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable	
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable	

Notes/Corrective Action Items including schedule for implementation:

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Not Applicable
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Not Applicable
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	Is the used oil AST area free of leaks, stains, spills?	Not Applicable
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Not Applicable
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable



2

Storm Water Annual Inspection Checklist

Yard/ Facility: M-8 Central Warehouse & Sign Shop

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	Not Applicable
2	Are the pump and hoses in good condition (no cracks, etc)?	Not Applicable
3	Are the AST valves in the closed position when not in use?	Not Applicable

Date: 5/16/2019

Notes/Corrective Action Items including schedule for implementation:

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Not Applicable
2	Is the AST area free of leaks, stains, spills?	Not Applicable
3	Are the pump and hoses in good condition (no cracks, etc)?	Not Applicable
4	Are the AST valves in the closed position when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

MISCELLANEOUS AREAS		(Select One)
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Not Applicable
4	Is there a drip pan under the dispensing valve of the emulsion tank?	Not Applicable
5	Is the bulk salt loading and unloading area generally free of residual salt?	Not Applicable
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Not Applicable
8	Are used batteries stored indoors or under cover?	No
9	Is hazardous waste stored indoors or under cover?	Yes
10	Are the drums/containers in the hazardous waste storage area properly labeled?	Not Applicable
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Not Applicable

^{*} The Used Battery Accumulation Area is overloaded. Arrange for more frequent pickup for recycling and use a portion of the remaining covered storage area for temporary storage as needed to prevent contact with stormwater. (see Photo 1)



Yard/ Facility: M-8 Central Warehouse & Sign Shop

Date: 5/16/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed): Robert Suda Illinois Tollway Contracted Inspector's Signature:

Illinois Tollway Contracted Inspector's Signature:

Date: 5/16/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-8 Central Warehouse and Sign Shop (Naperville, IL)

Photo No.	1
Date	5-16-2019
Time	12:10
Direction	north
Photo Taken By	RWS

Comments

Waste Accumulation Area.

Action Item: The Used Battery Area is overloaded. Arrange for more frequent pickup for recycling and use a portion of the remaining covered storage area for temporary storage until shipped off-site for recycling as needed.



Photo No.	2
Date	5-16-2019
Time	12:10
Direction	north
Photo Taken By	RWS

Comments

Empty Drum Accumulation Area and General Refuse Dumpster.

Action Item: Empty drums should be labeled as "EMPTY" using an adhesive label designed for this purpose.





Project Description /	Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location:	M-8 Central Warehouse and Sign Shop (Naperville, IL)

Photo No.	3
Date	5-16-2019
Time	12:12
Direction	West
Photo Taken By	RWS

Comments

Storage Tank for Emergency Back-up Generator.

Action Item: Provide a commercial Flammables Storage Cabinet for the fuel containers.

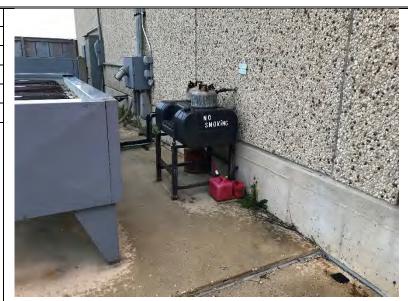


Photo No.	
Date	
Time	
Direction	
Photo Taken By	
Comments	

Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



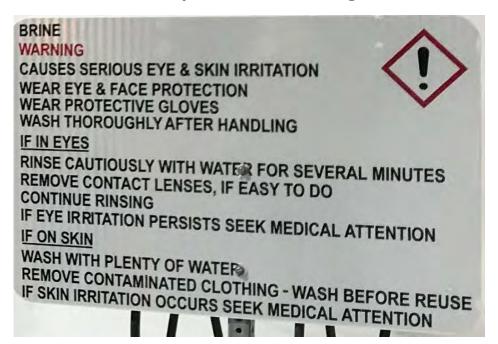
Example Sweeper Waste Dumpster Sign



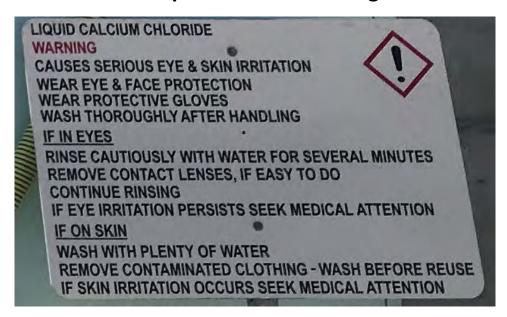
Example Scrap Metal Dumpster Sign

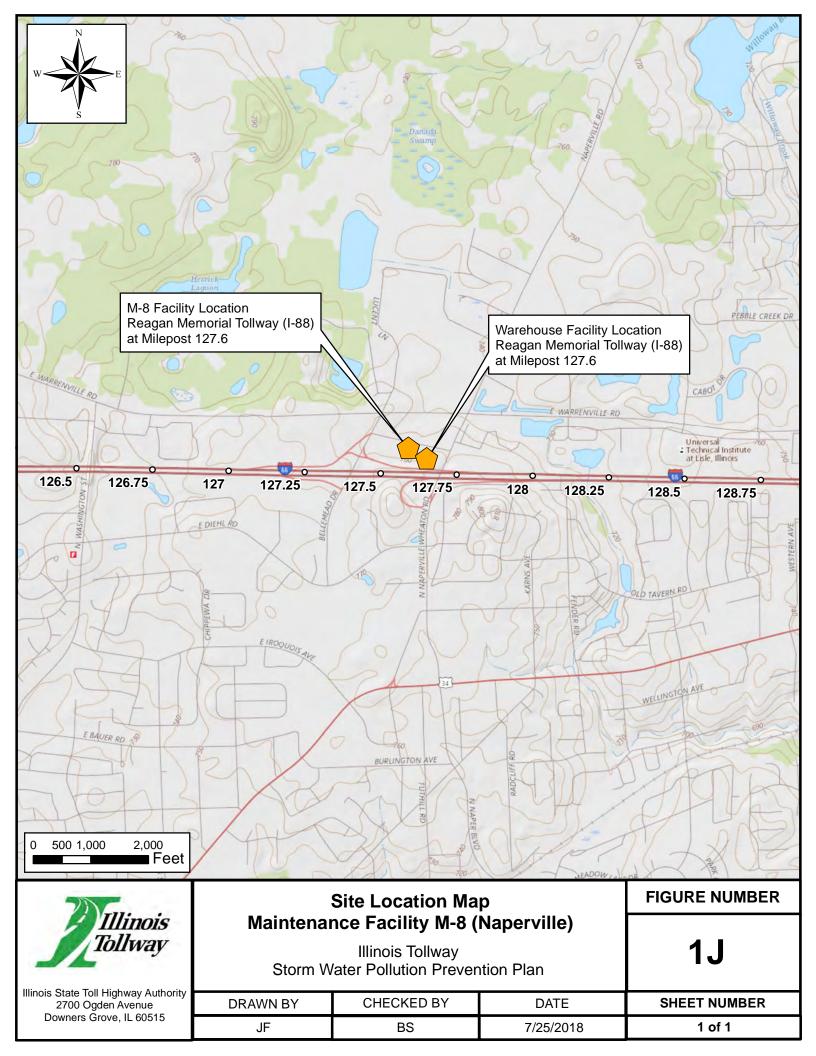


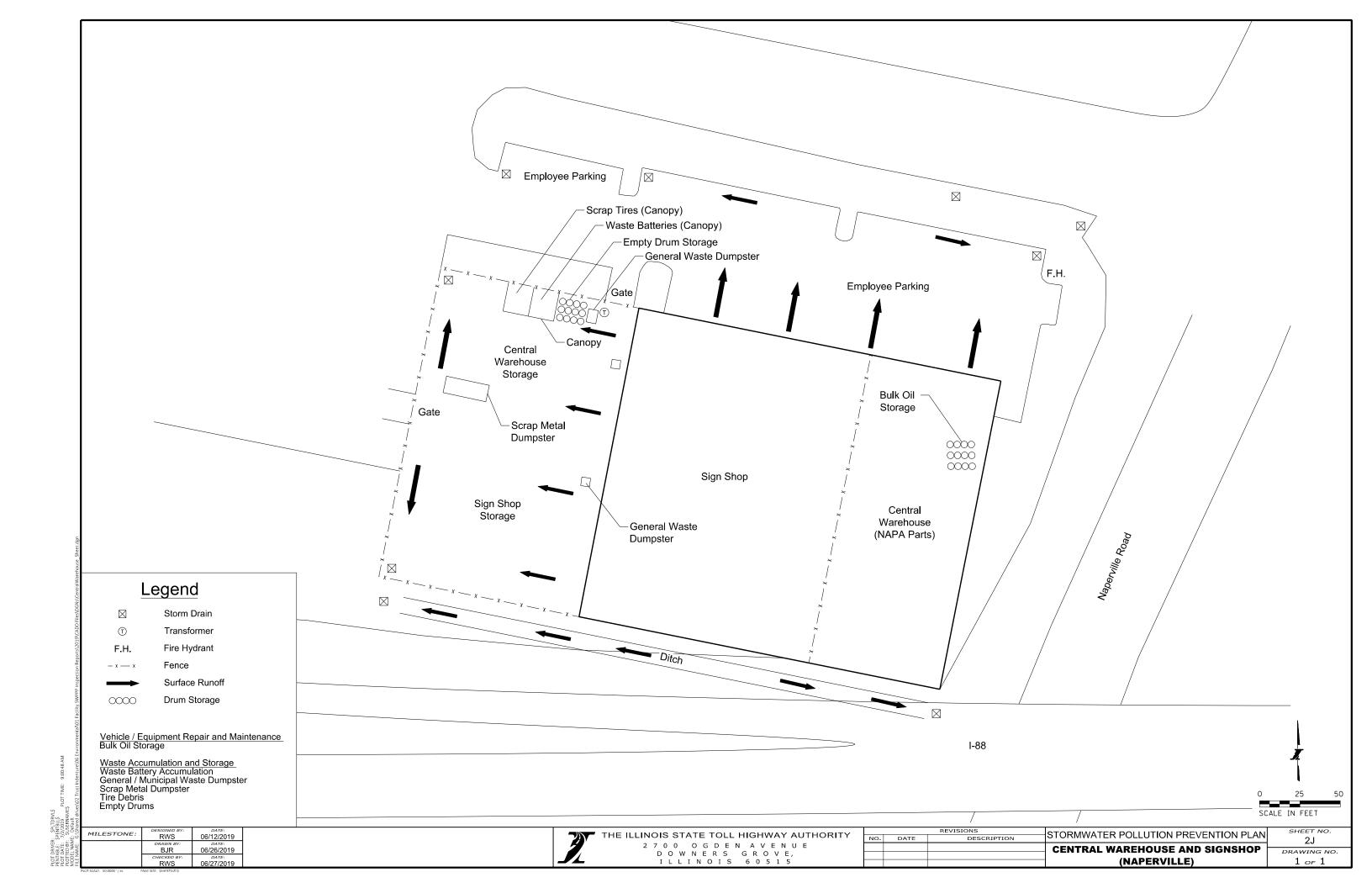
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix K M-11 Maintenance Facility (DeKalb, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: Inspector Title:

Maintenance Supervisor Name (s): Steve Schoeling; Andres Hernandez

Yard/ Facility: M-11 Maintenance Facility Location: Dekalb, IL

Date: 05/17/2019 Time: 09:00

Weather Conditions During Inspection: Sunny, 75 degrees

GOO	GOOD HOUSEKEEPING	
1	Are drums kept indoors neat, clean, and orderly?	Yes
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Yes
4	Are empty drums and totes stored in the designated area?	Yes
5	Are the empty drums and totes capped/covered and free of surface residue?	Yes
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Yes
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Yes
10	Are the waste dumpsters covered when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage to identify the contents of dumpsters. Example signage is attached at the end of this report.

DIESEL AND UNLEADED FUELING AREA		(Select One)
1	Is the fueling area free of leaks, stains, spills?	Yes
2	Is a spill kit located nearby?	No
3	Are the pumps in good condition?	Yes
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Yes
5	Are the level gauges working properly (regular documented system checks conducted)?	Yes
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Yes
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Yes
8	Are the tanks and pumps properly labeled?	Yes
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Yes
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Yes
-		

^{*} Empty drums should be labeled "EMPTY" using an adhesive label and arrange for recycling if the drums are not to be reused. Example labels are attached at the end of this report. (Photos 5 and 10)

^{*} Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose. Example labels are attached at the end of this report.



1

2

3

Storm Water Annual Inspection Checklist

Yard/ Facility: M-11 Maintenance Facility

١	7 racinty. W II Wantechance racinty	Date: 3/17/2013	
	LING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
	Is the fueling area AST area free of leaks, stains, spills?		Yes
	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?		Yes
	IF APPLICABLE - Is the storm water containment area free of stains, debris, or sp	ills?	Not Applicable

Not Applicable

Date: 5/17/2019

Notes/Corrective Action Items including schedule for implementation:

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)

IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Yes
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Yes
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	Is the used oil AST area free of leaks, stains, spills?	Yes
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace faded labels on the Used Oil Above Ground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22. (see Photo 6).

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Yes
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

^{*} Replace the faded labels on the E-85 Aboveground Storage Tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Provide a spill kit with adsorbent socks and pads at the AST.



Yard/ Facility: M-11 Maintenance Facility

Date: 5/17/2013	
ABLE)	(Select One)
	Not Applicabl

Date: 5/17/2019

2	Are the pump and hoses in good condition (no cracks, etc)?	Not Applicable
3	Are the AST valves in the closed position when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICAL Is the calcium chloride AST area free of leaks, stains, spills?

BEE	BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)	
1	Tank Contents: Beet Heat/Salt Brine	Salt Brine
2	Is the AST area free of leaks, stains, spills?	Yes
3	Are the pump and hoses in good condition (no cracks, etc)?	Yes
4	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

MIS	CELLANEOUS AREAS	(Select One)
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Yes
4	Is there a drip pan under the dispensing valve of the emulsion tank?	Yes
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Yes
8	Are used batteries stored indoors or under cover?	Yes
9	Is hazardous waste stored indoors or under cover?	Yes
10	Are the drums/containers in the hazardous waste storage area properly labeled?	Yes
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Yes

^{*} Provide signage for the Salt Brine AST including tank contents, storage capacity, hazards, and warnings.

^{*} Label all waste containers in the Hazardous Waste Accumulation Area with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 4)

^{*} Label the contents of the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 1)

^{*} The Asphalt Emulsion AST is not labeled. Label the tank with contents, storage capacity, hazards, and warnings.

^{*} Cleanout the spill containment pit in the Bulk Oil Storage and Distribution Area. (see Photo 3)



Yard/ Facility: M-11 Maintenance Facility

Date: 5/17/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed). Robert Suda

Illinois Tollway Contracted Inspector's Signature:

Date: 5/17/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-11 Maintenance Facility (Dekalb, IL)

Photo No.	1
Date	5-17-2019
Time	12:45
Direction	east
Photo Taken By	RWS

Comments

Clean Oil-Dry Container (inside Maintenance Building.)

Action Item: Label the clean adsorbent container using an adhesive label designed for this purpose.

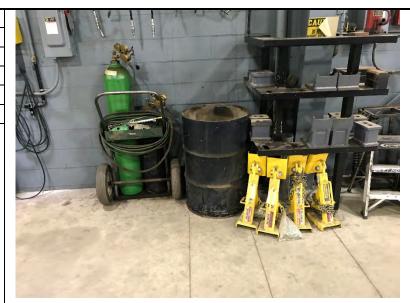


Photo No.	2
Date	5-17-2019
Time	12:48
Direction	south
Photo Taken By	RWS

Comments

Bulk Oil Storage and Distribution Area.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-11 Maintenance Facility (Dekalb, IL)

Photo No.	3
Date	5-17-2019
Time	12:49
Direction	south
Photo Taken By	RWS

Comments

Bulk Oil Storage and Distribution Area.

Action Item: Cleanout the spill containment pit.



Photo No.	4
Date	5-17-2019
Time	12:51
Direction	south
Photo Taken By	RWS

Comments

Hazardous Waste Accumulation Area.

Action Item: Label all containers with contents and generation date using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-11 Maintenance Facility (Dekalb, IL)

Photo No.	5
Date	5-17-2019
Time	12:58
Direction	north
Photo Taken By	RWS

Comments

Used Oil Filter Bin Area.

Action Item: Provide labeling for the Used Oil Filter Bin. Label empty drums as "EMPTY" using an adhesive labeled designed for this purpose and arrange for recycling if the drums are not to be re-used.



Photo No.	6
Date	5-17-2019
Time	12:58
Direction	north
Photo Taken By	RWS

Comments

Used Oil and Antifreeze ASTs.

Replace the faded labels on the tank. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace "Waste Oil" label with "Used Oil" label per 40 CFR § 279.22.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-11 Maintenance Facility (Dekalb, IL)

Photo No.	7
Date	5-17-2019
Time	13:01
Direction	south
Photo Taken By	RWS

Comments

Plow Storage Area.



Photo No.	8
Date	5-17-2019
Time	13:04
Direction	west
Photo Taken By	RWS

Comments

Emulsion AST (inside Salt Dome Garage.)

Action Item: Provide labeling for the tank including contents, capacity, hazards, and warnings.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-11 Maintenance Facility (Dekalb, IL)

Photo No.	9
Date	5-17-2019
Time	13:05
Direction	west
Photo Taken By	RWS

Comments

Flammables Storage Cabinet (inside Salt Dome Garage).



Photo No.	10
Date	5-17-2019
Time	13:12
Direction	east
Photo Taken By	RWS

Comments

Equipment Storage Area (west side of the Salt Dome).

Label empty drums as "EMPTY" using an adhesive label designed for this purpose and arrange for recycling if the drums are not to be re-used.



Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



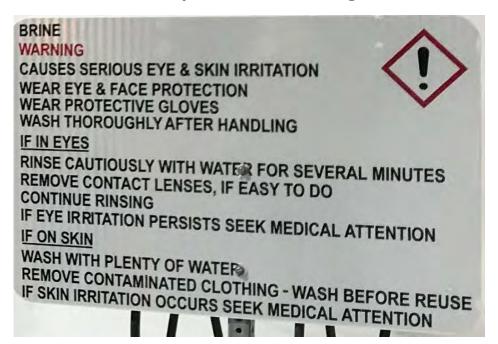
Example Sweeper Waste Dumpster Sign



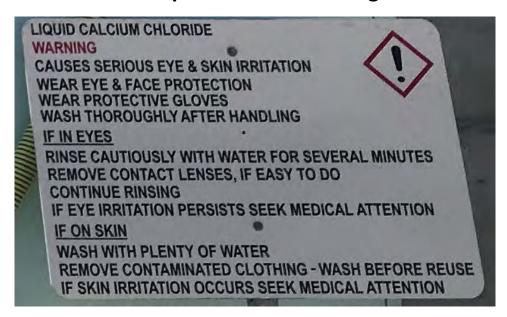
Example Scrap Metal Dumpster Sign

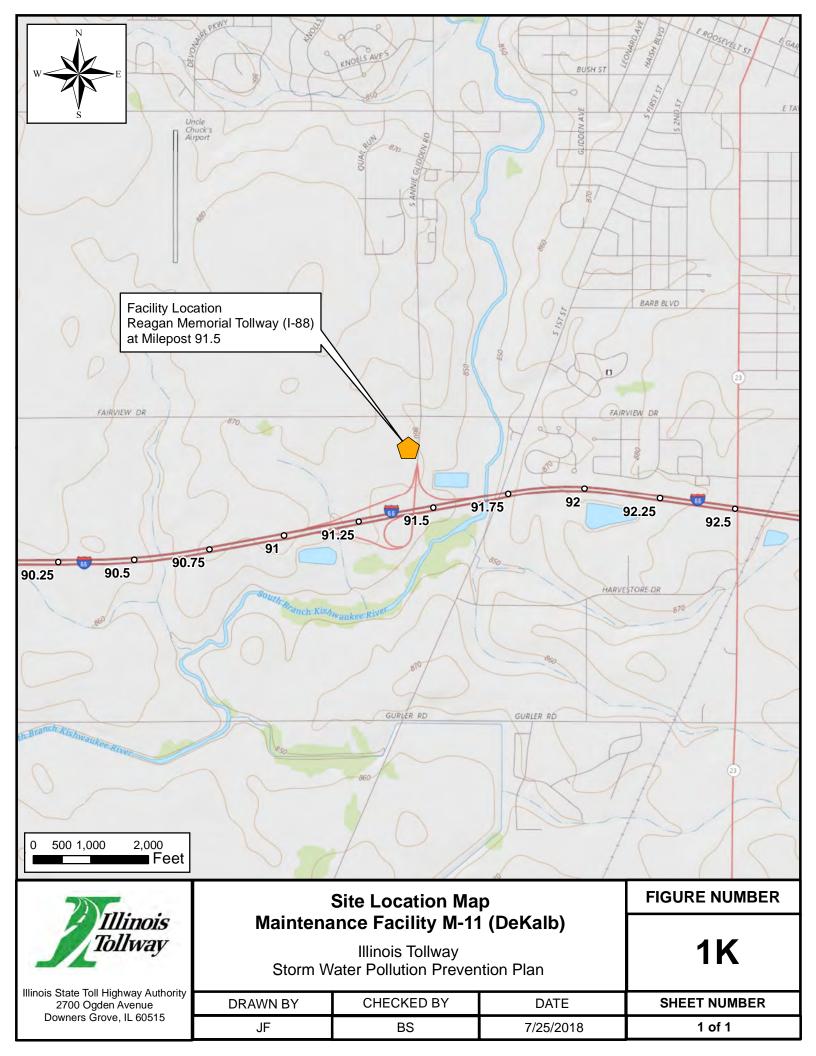


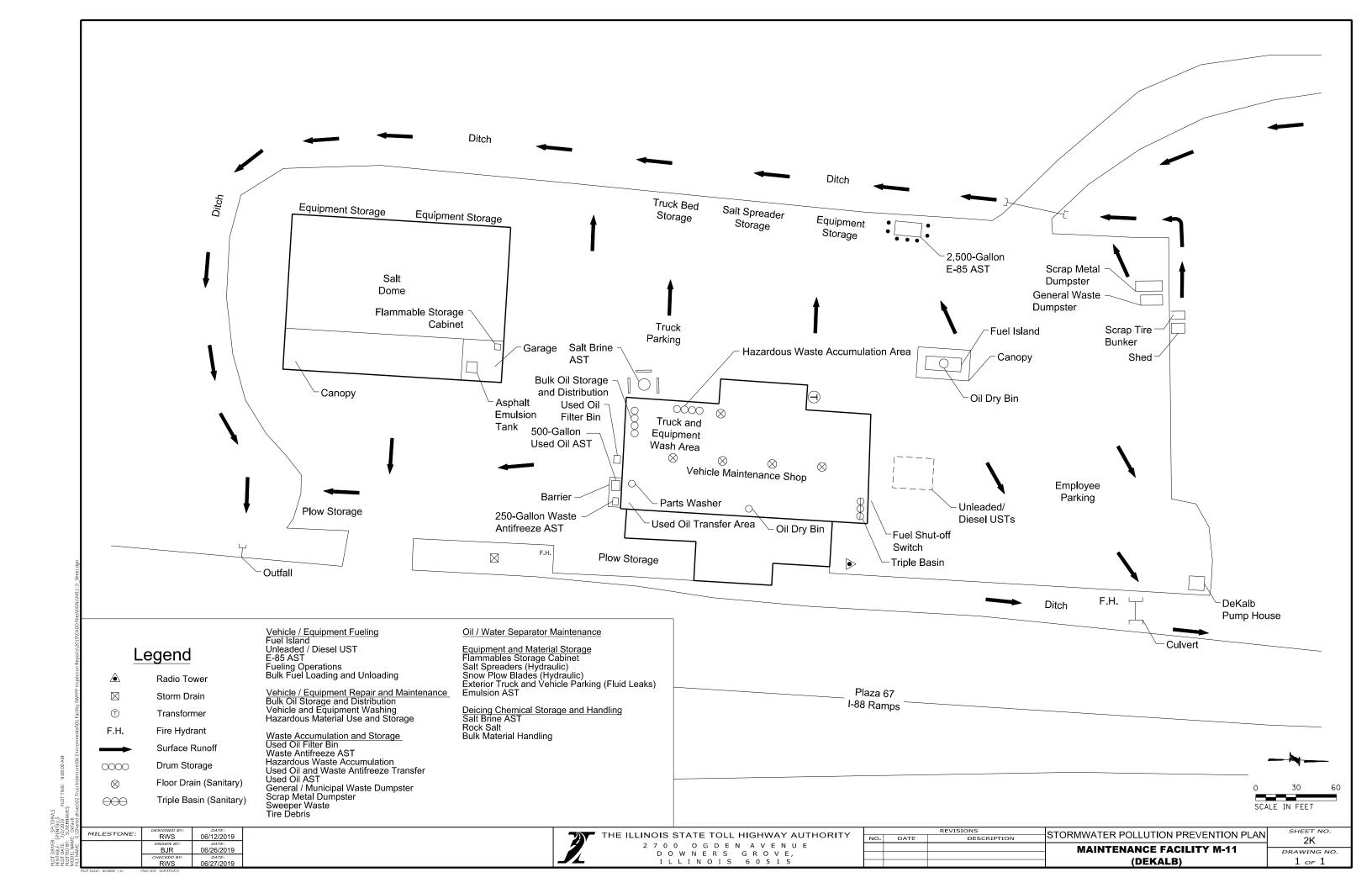
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix L M-11 IL Route 47 Salt Dome (DeKalb, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: Inspector Title:

Maintenance Supervisor Name (s): Steve Schoeling; Andres Hernandez

Yard/ Facility: M-11 IL Route 47 Salt Dome Location: DeKalb, IL

Date: 05/17/2019 Time: 13:30

Weather Conditions During Inspection: Sunny, 75 degrees

GOO	DD HOUSEKEEPING	(Select One)
1	Are drums kept indoors neat, clean, and orderly?	Not Applicable
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Not Applicable
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Not Applicable
4	Are empty drums and totes stored in the designated area?	Not Applicable
5	Are the empty drums and totes capped/covered and free of surface residue?	Not Applicable
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Not Applicable
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Not Applicable
10	Are the waste dumpsters covered when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

DIES	EL AND UNLEADED FUELING AREA	(Select One)
1	Is the fueling area free of leaks, stains, spills?	Not Applicable
2	Is a spill kit located nearby?	Not Applicable
3	Are the pumps in good condition?	Not Applicable
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Not Applicable
5	Are the level gauges working properly (regular documented system checks conducted)?	Not Applicable
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Not Applicable
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Not Applicable
8	Are the tanks and pumps properly labeled?	Not Applicable
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Not Applicable
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Not Applicable
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Not Applicable



Date: 5/17/2019

Yard/ Facility: M-11 IL Route 47 Salt Dome

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the fueling area AST area free of leaks, stains, spills?	Yes
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Not Applicable
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Not Applicable
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USE	USED OIL ABOVEGROUND STORAGE TANK	
1	Is the used oil AST area free of leaks, stains, spills?	Not Applicable
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

ANT	ANTIFREEZE ABOVEGROUND STORAGE TANK	
1	Is the antifreeze AST area free of leaks, stains, spills?	Not Applicable
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

^{*} Replace the faded labels on the Diesel Aboveground Storage Tank. Ensure that labels with tank contents, storage capacity, hazards, and warnings are provided. Provide a spill kit with adsorbent socks and pads at the AST. (see Photo 2).



Date: 5/17/2019

Yard/ Facility: M-11 IL Route 47 Salt Dome

CA	LCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)	(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	Not Applicable
2	Are the pump and hoses in good condition (no cracks, etc)?	Not Applicable
3	Are the AST valves in the closed position when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Not Applicable
2	Is the AST area free of leaks, stains, spills?	Not Applicable
3	Are the pump and hoses in good condition (no cracks, etc)?	Not Applicable
4	Are the AST valves in the closed position when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

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licable
licable
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licable
)



Yard/ Facility: M-11 IL Route 47 Salt Dome

Date: 5/17/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed): Robert Suda
Illinois Tollway Contracted Inspector's Signature:

Date: 5/17/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Salt Dome Annual SWPPP Inspection
Location: M-11 Salt Dome (DeKalb, IL)

Photo No.	1
Date	5-17-2019
Time	14:13
Direction	south
Photo Taken By	RWS

Comments

Salt Dome Area.



Photo No.	2
Date	5-17-2019
Time	14:14
Direction	south
Photo Taken By	RWS

Comments

Diesel AST.

Action Item: Provide a spill kit for the fueling area. Replace the faded labels on the diesel aboveground storage tank. Ensure that labels with tank content, storage capacity, hazards, and warnings are provided.





Project Description / Illinois Tollway Salt Dome Annual SWPPP Inspection
Location: M-11 Salt Dome (DeKalb, IL)

Photo No.	3
Date	5-17-2019
Time	14:15
Direction	
Photo Taken By	RWS

Comments

Salt Dome Area.



Photo No.	4
Date	5-17-2019
Time	14:15
Direction	
Photo Taken By	RWS

Comments

Salt Dome Area.



Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



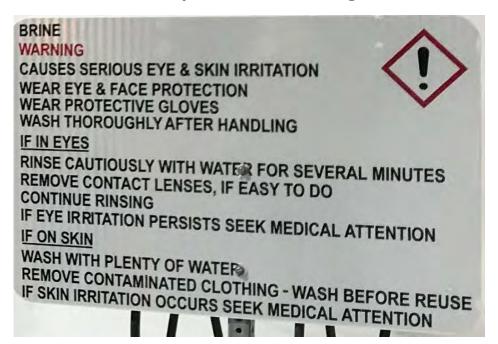
Example Sweeper Waste Dumpster Sign



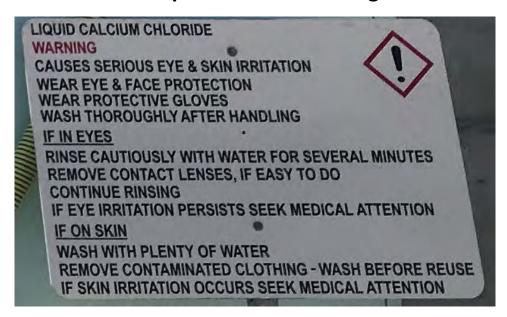
Example Scrap Metal Dumpster Sign

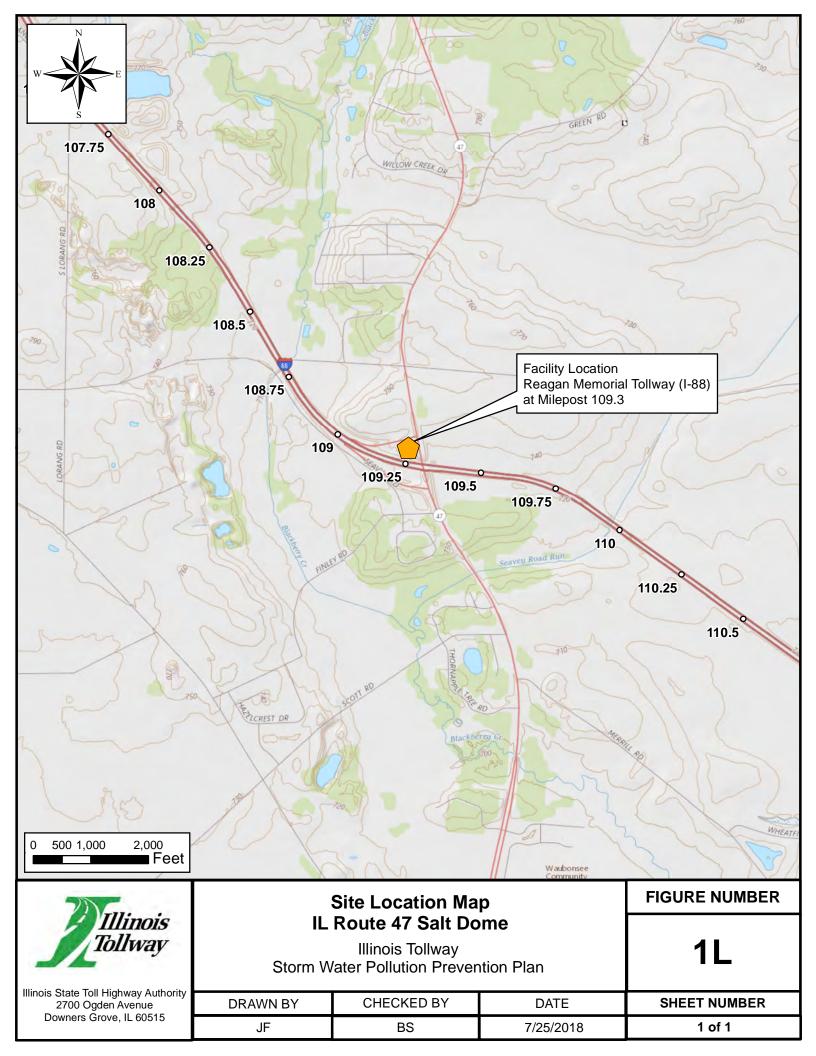


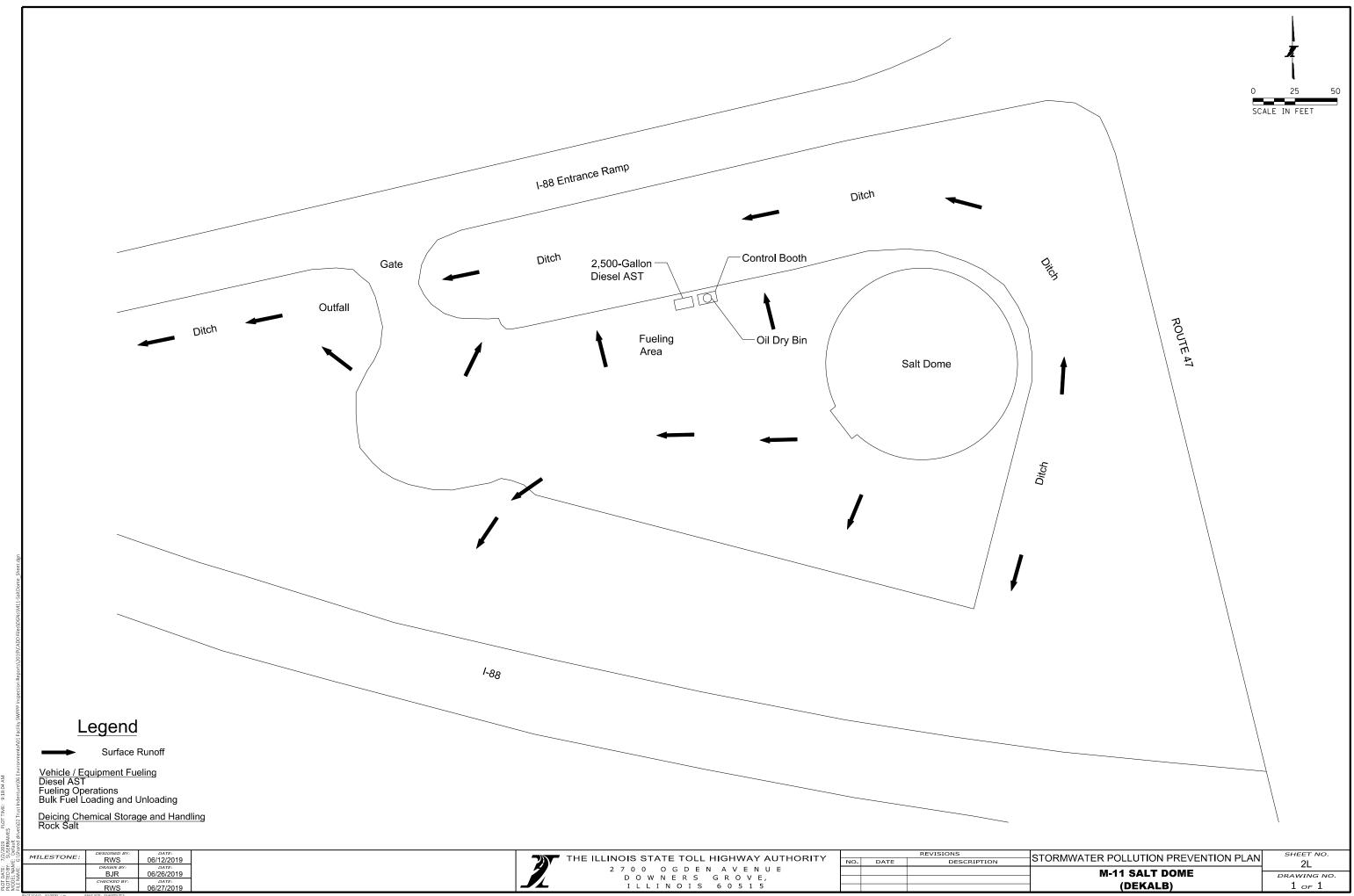
Example Brine Tank Sign



Example Chloride Tank Sign







IIVER: \$PLTDRVL\$ LE: \$PENTBLL\$

Appendix M M-12 Maintenance Facility (Dixon, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: Inspector Title:

Maintenance Supervisor Name (s): Angelo Barbanente; Patrick Danno

Yard/ Facility: M-12 Maintenance Facility Location: Dixon, IL

Date: 05/17/2019 Time: 11:00

Weather Conditions During Inspection: Clear, 75 degrees

GOOD HOUSEKEEPING		
1	Are drums kept indoors neat, clean, and orderly?	Yes
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Yes
4	Are empty drums and totes stored in the designated area?	Yes
5	Are the empty drums and totes capped/covered and free of surface residue?	Yes
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Yes
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Yes
10	Are the waste dumpsters covered when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage to identify the contents of dumpsters. Example signage is attached at the end of this report. (see Photos 10 and 11).

DIES	DIESEL AND UNLEADED FUELING AREA		
1	Is the fueling area free of leaks, stains, spills?	Yes	
2	Is a spill kit located nearby?	Yes	
3	Are the pumps in good condition?	Yes	
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Yes	
5	Are the level gauges working properly (regular documented system checks conducted)?	Yes	
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Yes	
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Yes	
8	Are the tanks and pumps properly labeled?	Yes	
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Yes	
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Yes	

^{*} Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 6)



Date: 5/17/2019

Yard/ Facility: M-12 Maintenance Facility

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		
1	Is the fueling area AST area free of leaks, stains, spills?	Yes
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Yes
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Yes
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	Is the used oil AST area free of leaks, stains, spills?	Yes
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace the faded labels on the Used Oil AST. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. (see Photo 14)

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Yes
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

^{*} Replace the faded labels on the E-85 AST. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Provide a spill kit with adsorbent socks and pads at the AST. (see Photo 5)



Date: 5/17/2019

Yard/ Facility: M-12 Maintenance Facility

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	Not Applicable
2	Are the pump and hoses in good condition (no cracks, etc)?	Not Applicable
3	Are the AST valves in the closed position when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		
1	Tank Contents: Beet Heat/Salt Brine	Salt Brine
2	Is the AST area free of leaks, stains, spills?	Yes
3	Are the pump and hoses in good condition (no cracks, etc)?	Yes
4	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage for the Salt Brine AST. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. (see Photo 12)

MISCELLANEOUS AREAS		(Select One)
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	No
4	Is there a drip pan under the dispensing valve of the emulsion tank?	No
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Yes
8	Are used batteries stored indoors or under cover?	Yes
9	Is hazardous waste stored indoors or under cover?	Yes
10	Are the drums/containers in the hazardous waste storage area properly labeled?	No
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Yes

- * The Asphalt Emulsion Tank is not labeled. Label the tank with contents, storage capacity, hazards, and warnings. Provide a drip pan under the tank valve. Store tank indoors or under cover. (see Photo 7)
- * Label the contents for the Used Oil Filter Bin using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 13)
- * Label all hazardous waste containers with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 8)
- * Label the contents of the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 3)



Yard/ Facility: M-12 Maintenance Facility

Date: 5/17/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed): Robert Suda
Illinois Tollway Contracted Inspector's Signature:

Date: 5/17/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-12 Maintenance Facility (Dixon, IL)

Photo No.	1
Date	5-17-2019
Time	08:48
Direction	east
Photo Taken By	RWS

Comments

Used Oil and Antifreeze Transfer Area

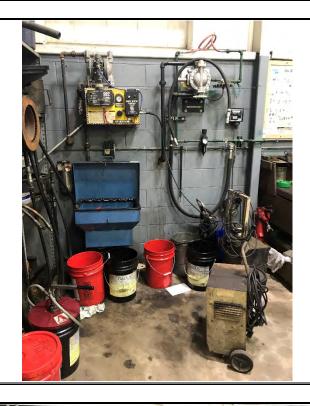


Photo No.	2
Date	5-17-2019
Time	08:49
Direction	south
Photo Taken By	RWS

Comments

Bulk Oil Distribution Area.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-12 Maintenance Facility (Dixon, IL)

Photo No.	3
Date	5-17-2019
Time	08:51
Direction	north
Photo Taken By	RWS

Comments

New Oil-Dry Container (inside Maintenance Building).

Action Item: Label the contents of the clean adsorbent container in the Vehicle Maintenance Area using an adhesive label designed for this purpose.



Photo No.	4
Date	5-17-2019
Time	08:57
Direction	north
Photo Taken By	RWS

Comments

Bulk Oil Storage Area.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-12 Maintenance Facility (Dixon, IL)

Photo No.	5
Date	5-17-2019
Time	09:00
Direction	west
Photo Taken By	RWS

Comments

E-85 AST.

Action Item: Replace the faded labels on the E-85 AST. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided.



Photo No.	6
Date	5-17-2019
Time	09:02
Direction	south
Photo Taken By	RWS

Comments

Fuel Island.

Action Item: Provide a spill kit at the Fueling Island to respond to potential larger spills and supplement the granular adsorbent currently provided. Label the existing clean adsorbent container using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-12 Maintenance Facility (Dixon, IL)

Photo No.	7
Date	5-17-2019
Time	09:05
Direction	north
Photo Taken By	RWS

Comments

Asphalt Emulsion Tank (near Storage Shed).

Action Item: The Asphalt Emulsion Tank is not labeled. Label the tank with contents, storage capacity, hazards, and warnings. Provide a drip pan under the tank valve. Store tank indoors or under cover.



Photo No.	8
Date	5-17-2019
Time	09:08
Direction	north
Photo Taken By	RWS

Comments

Painting Area (inside Salt Dome Shop Area.)

Action Item: Label all hazardous waste containers with contents and generation date using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-12 Maintenance Facility (Dixon, IL)

Photo No.	9
Date	5-17-2019
Time	09:10
Direction	south
Photo Taken By	RWS

Comments

Plow Storage Area.



Photo No.	10
Date	5-17-2019
Time	09:13
Direction	east
Photo Taken By	RWS

Comments

Municipal Waste Dumpsters.

Action Item: Provide signage to identify the contents of dumpsters.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-12 Maintenance Facility (Dixon, IL)

Photo No.	11
Date	5-17-2019
Time	09:13
Direction	east
Photo Taken By	RWS

Comments

Scrap Metal Dumpster.

Action Item: Provide signage to identify the contents of dumpster.



Photo No.	12
Date	5-17-2019
Time	09:14
Direction	north
Photo Taken By	RWS

Comments

Salt Brine AST.

Action Item: Provide signage for the Salt Brine AST. Ensure that legible signage with tank content, storage capacity, hazards, and warnings are provided.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-12 Maintenance Facility (Dixon, IL)

Photo No.	13
Date	5-17-2019
Time	09:16
Direction	north
Photo Taken By	RWS

Comments

Used Oil Filter Bin.

Action Item: Label the contents for the Used Oil Filter Bin using an adhesive label designed for this purpose.



Photo No.	14
Date	5-17-2019
Time	09:16
Direction	north
Photo Taken By	RWS

Comments

Used Oil and Antifreeze ASTs.

Action Item: Replace the faded labels on the Used Oil AST. Ensure that legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22.



Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



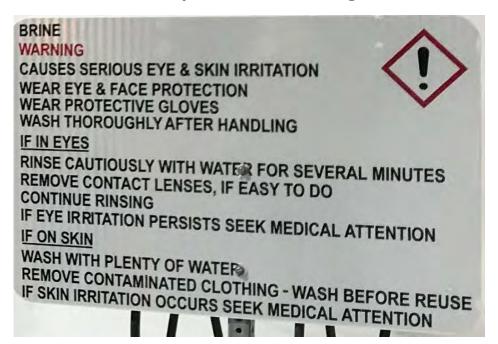
Example Sweeper Waste Dumpster Sign



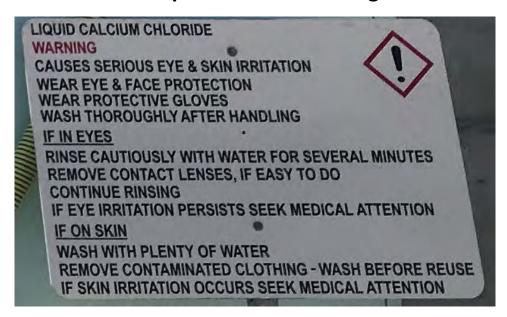
Example Scrap Metal Dumpster Sign

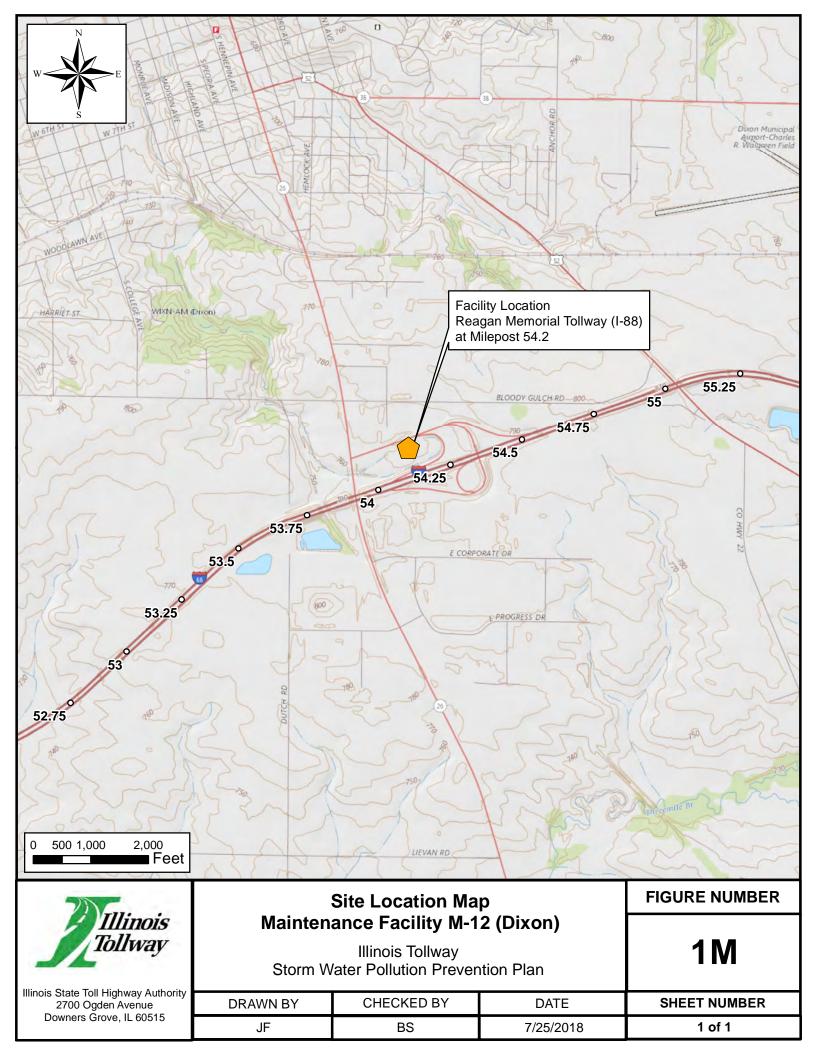


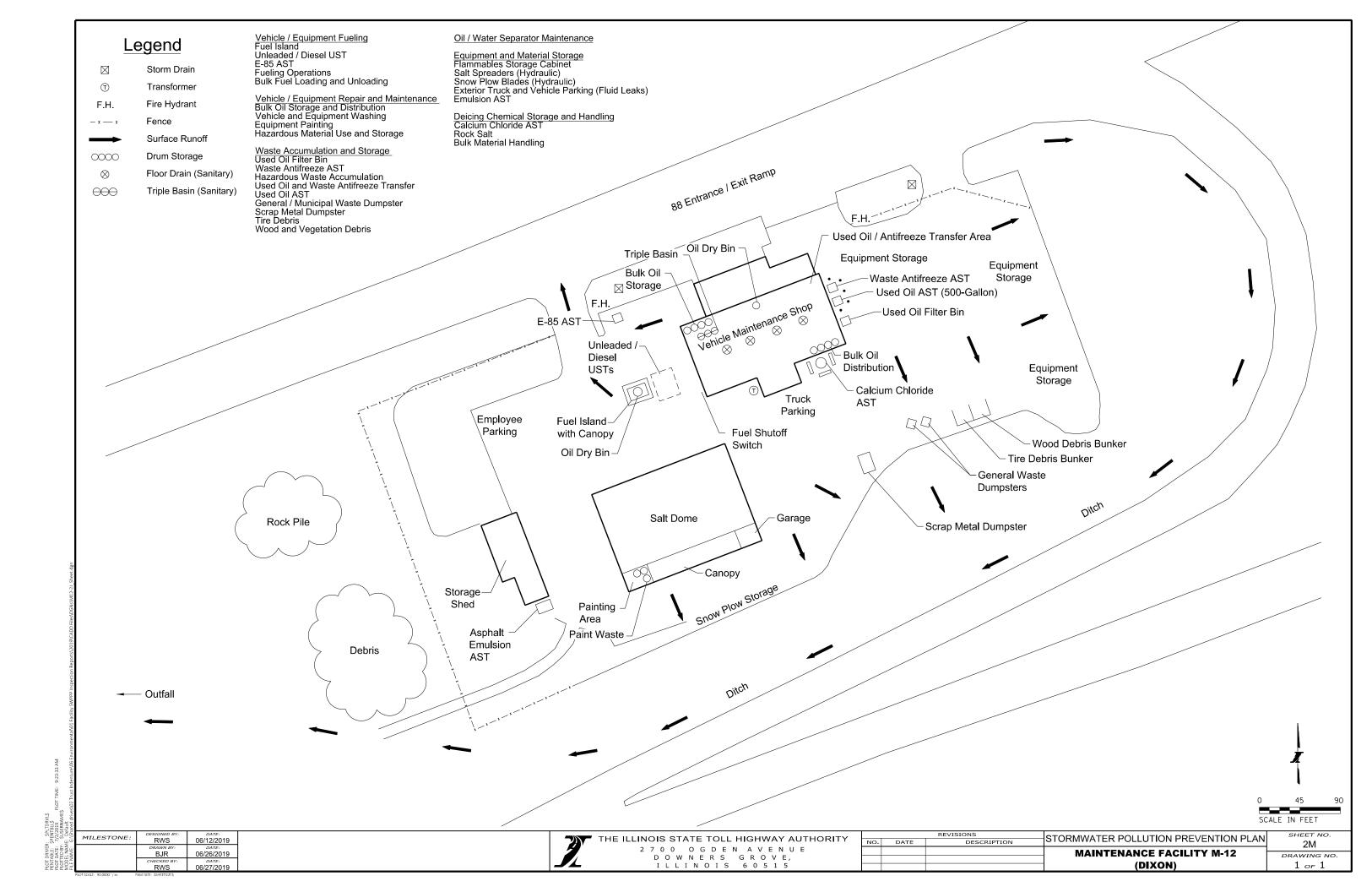
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix N M-12 IL Route 251 Salt Dome (Dixon, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: Inspector Title:

Maintenance Supervisor Name (s): Angelo Barbanente; Patrick Danno

Yard/ Facility: M-12 IL Rt 251 Salt Dome Location: Dixon, IL

Date: 05/17/2019 Time: 10:30

Weather Conditions During Inspection: Sunny, 75 degrees

GOOD HOUSEKEEPING		(Select One)
1	Are drums kept indoors neat, clean, and orderly?	Not Applicable
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Not Applicable
4	Are empty drums and totes stored in the designated area?	Not Applicable
5	Are the empty drums and totes capped/covered and free of surface residue?	Not Applicable
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Not Applicable
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Not Applicable
10	Are the waste dumpsters covered when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

DIESEL AND UNLEADED FUELING AREA		(Select One)	
1	Is the fueling area free of leaks, stains, spills?	Not Applicable	
2	Is a spill kit located nearby?	Not Applicable	
3	Are the pumps in good condition?	Not Applicable	
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Not Applicable	
5	Are the level gauges working properly (regular documented system checks conducted)?	Not Applicable	
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Not Applicable	
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Not Applicable	
8	Are the tanks and pumps properly labeled?	Not Applicable	
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Not Applicable	
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Not Applicable	



Date: 5/17/2019

Yard/ Facility: M-12 IL Rt 251 Salt Dome

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the fueling area AST area free of leaks, stains, spills?	Yes
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide a spill kit with adsorbent socks and pads for the fueling area. Replace the faded labels on the diesel Aboveground Storage Tank. Ensure that labels with tank contents, storage capacity, hazards, and warnings are provided. (see Photo 1)

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Not Applicable
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Not Applicable
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	Is the used oil AST area free of leaks, stains, spills?	Not Applicable
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Not Applicable
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable



Date: 5/17/2019

Yard/ Facility: M-12 IL Rt 251 Salt Dome

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	Not Applicable
2	Are the pump and hoses in good condition (no cracks, etc)?	Not Applicable
3	Are the AST valves in the closed position when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

BEE	T HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)	(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Not Applicable
2	Is the AST area free of leaks, stains, spills?	Not Applicable
3	Are the pump and hoses in good condition (no cracks, etc)?	Not Applicable
4	Are the AST valves in the closed position when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

MIS	CELLANEOUS AREAS	(Select One)
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Not Applicable
4	Is there a drip pan under the dispensing valve of the emulsion tank?	Not Applicable
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Not Applicable
8	Are used batteries stored indoors or under cover?	Not Applicable
9	Is hazardous waste stored indoors or under cover?	Not Applicable
10	Are the drums/containers in the hazardous waste storage area properly labeled?	Not Applicable
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Not Applicable



Yard/ Facility: M-12 IL Rt 251 Salt Dome

Date: 5/17/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed): Robert Suda

Illinois Tollway Contracted Inspector's Signature:

Date: 5/17/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Salt Dome Annual SWPPP Inspection
Location: M-12 Salt Dome (Dixon, IL)

Photo No.	1
Date	5-17-2019
Time	07:45
Direction	south
Photo Taken By	RWS

Comments

Diesel AST.

Action Item: Provide a spill kit for the fueling area. Replace the faded labels on the diesel aboveground storage tank. Ensure that labels with tank contents, storage capacity, hazards, and warnings are provided.



Photo No.	2
Date	5-17-2019
Time	07:45
Direction	south
Photo Taken By	RWS

Comments

Salt Dome Area.





Project Description / Illinois Tollway Salt Dome Annual SWPPP Inspection
Location: M-12 Salt Dome (Dixon, IL)

Photo No.	3
Date	6-6-2018
Time	07:47
Direction	south
Photo Taken By	RWS

Comments

Salt Dome Area.



Photo No.	
Date	
Time	
Direction	
Photo Taken By	
Comments	

Example Hazardous Waste Container Label

	AZARDOUS
Ш	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



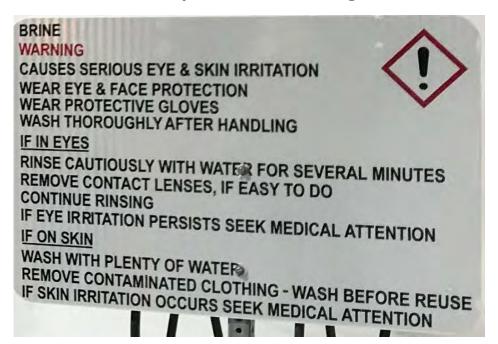
Example Sweeper Waste Dumpster Sign



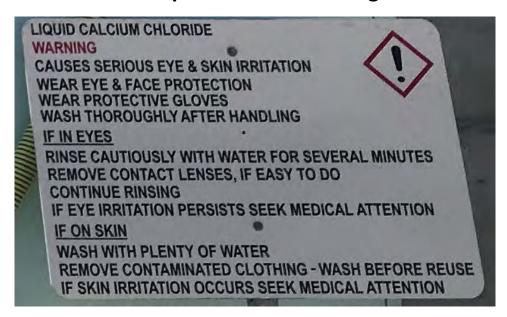
Example Scrap Metal Dumpster Sign

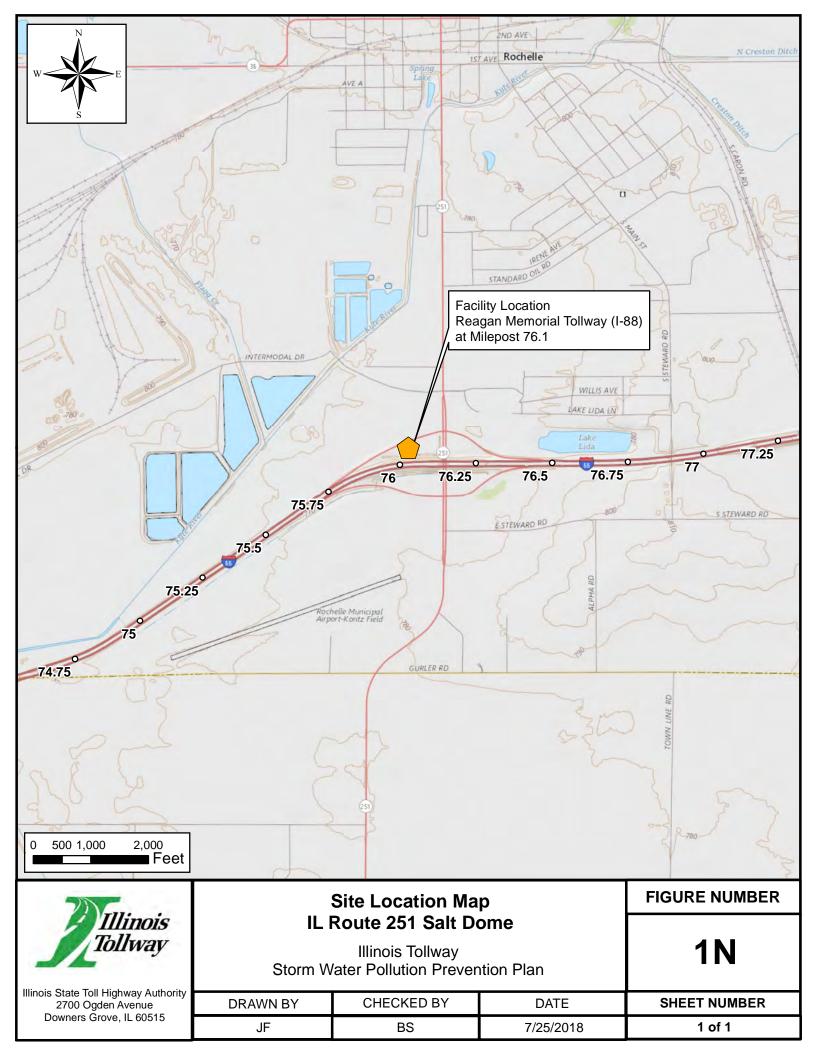


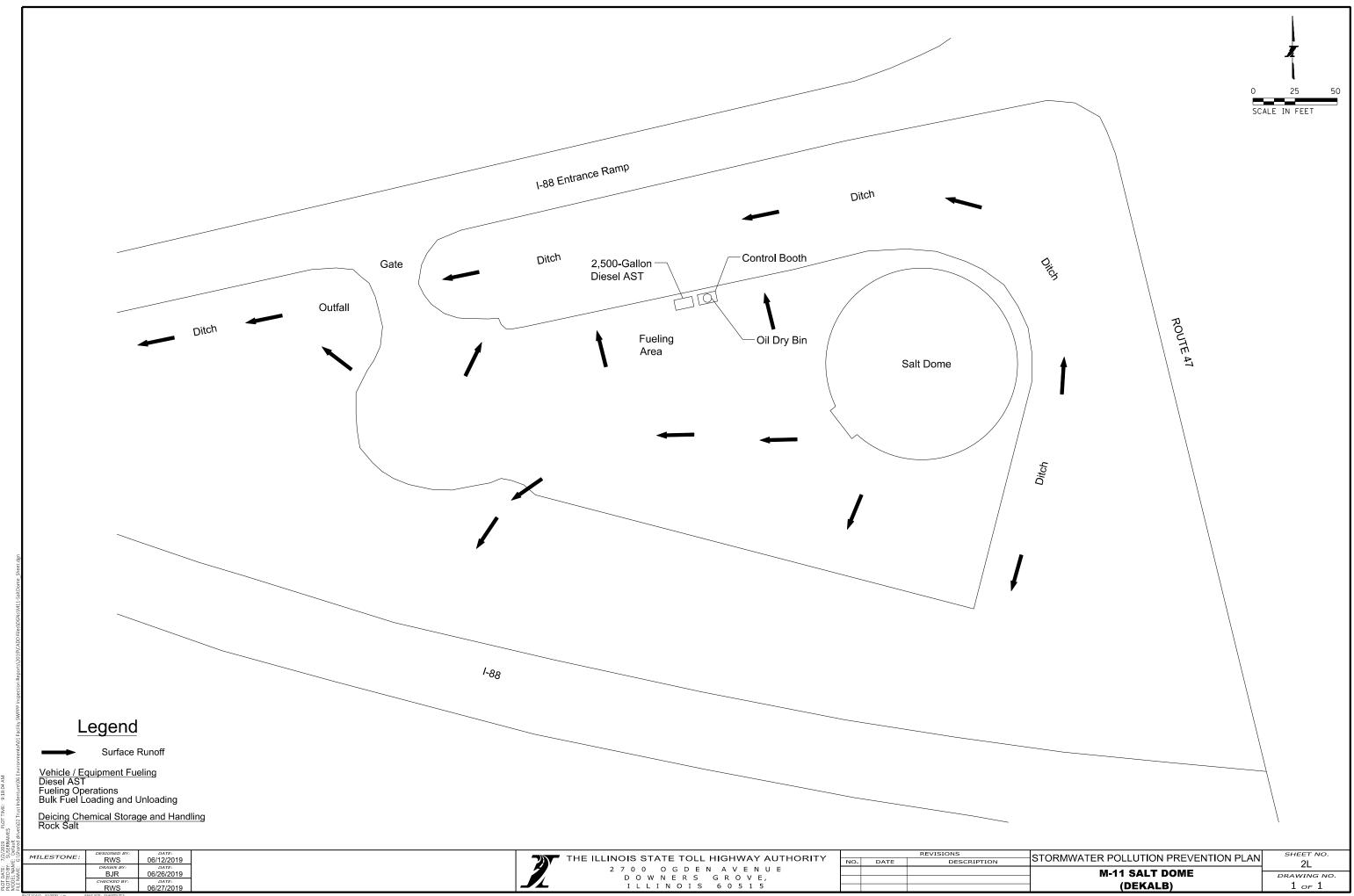
Example Brine Tank Sign



Example Chloride Tank Sign







IIVER: \$PLTDRVL\$ LE: \$PENTBLL\$

Appendix O M-14 Maintenance Facility



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Anthony Kudra; Michael Kugach

Yard/ Facility: M-14 Maintenance Facility Location: Downers Grove, IL

Date: 05/16/2019 Time: 09:30

Weather Conditions During Inspection: Sunny, 80 degrees

GOOD HOUSEKEEPING		(Select One)
1	Are drums kept indoors neat, clean, and orderly?	Yes
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Yes
4	Are empty drums and totes stored in the designated area?	Yes
5	Are the empty drums and totes capped/covered and free of surface residue?	Yes
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Yes
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Yes
10	Are the waste dumpsters covered when not in use?	No

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace dumpsters with those with covers. (see Photo 6)

DIESEL AND UNLEADED FUELING AREA		(Select One)
1	Is the fueling area free of leaks, stains, spills?	Yes
2	Is a spill kit located nearby?	No
3	Are the pumps in good condition?	Yes
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Yes
5	Are the level gauges working properly (regular documented system checks conducted)?	Yes
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Yes
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Yes
8	Are the tanks and pumps properly labeled?	Yes
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Yes
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Yes
N / O		

^{*} Provide signage to identify the contents of dumpsters. Example signage is attached at the end of this report. (see Photo 6)

^{*} Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 8)



Yard/ Facility: M-14 Maintenance Facility

Yar	Yard/ Facility: M-14 Maintenance Facility Date: 5/16/2019		
FUE	FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the fueling area AST area free of leaks, stains, spills?		Not Applicable
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?		Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spi	lls?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Yes
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Yes
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	Is the used oil AST area free of leaks, stains, spills?	Yes
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	No
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Yes
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	No

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. (see Photo 4)

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Not Applicable
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable



Yard/ Facility: M-14 Maintenance Facility

Date: 5/16/2019

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	Yes
2	Are the pump and hoses in good condition (no cracks, etc)?	Yes
3	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Salt Brine
2	Is the AST area free of leaks, stains, spills?	Yes
3	Are the pump and hoses in good condition (no cracks, etc)?	Yes
4	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

MISCELLANEOUS AREAS		(Select One)
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Yes
4	Is there a drip pan under the dispensing valve of the emulsion tank?	Yes
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Yes
8	Are used batteries stored indoors or under cover?	Yes
9	Is hazardous waste stored indoors or under cover?	Yes
10	Are the drums/containers in the hazardous waste storage area properly labeled?	No
11	Is there accumulated rainwater within any secondary containment?	No
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	No
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Yes

^{*} The Asphalt Emulsion AST is not labeled. Label the tank with contents, storage capacity, hazards, and warnings. (see Photo 10)

^{*} Label all waste containers in the Hazardous Waste Accumulation Area and Painting Area with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photos 1 and 12)

^{*} Label the contents of the Used Oil Filter Bin using an adhesive label designed for this purpose. Example labels are attached at the end of this report.



Yard/ Facility: M-14 Maintenance Facility

Date: 5/16/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed): Robert Suda

Illinois Tollway Contracted Inspector's Signature:

Date: 5/16/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-14 Maintenance Facility (Downers Grove, IL)

Photo No.	1
Date	5-16-2019
Time	09:14
Direction	south
Photo Taken By	RWS

Comments

Hazardous Waste Accumulation Area.

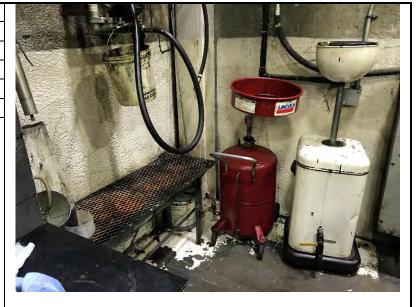
Action Item: Label all waste containers with contents and generation date using an adhesive label designed for this purpose.



Photo No.	2
Date	5-16-2019
Time	09:15
Direction	west
Photo Taken By	RWS

Comments

Used Oil and Antifreeze Transfer Area.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-14 Maintenance Facility (Downers Grove, IL)

Photo No.	3
Date	5-16-2019
Time	09:17
Direction	north
Photo Taken By	RWS

Comments

Salt Spreader Storage Area.



Photo No.	4
Date	5-16-2019
Time	09:19
Direction	east
Photo Taken By	RWS

Comments

Used Oil AST.

Action Item: Provide labeling for the Used Oil Aboveground Storage Tank. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-14 Maintenance Facility (Downers Grove, IL)

Photo No.	5
Date	5-16-2019
Time	09:19
Direction	east
Photo Taken By	RWS

Comments

Used Antifreeze AST.



Photo No.	6
Date	5-16-2019
Time	09:24
Direction	west
Photo Taken By	RWS

Comments

Municipal Waste Dumpsters.

Action Items: Provide signage to identify the contents of dumpsters. Replace dumpsters with those with covers.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-14 Maintenance Facility (Downers Grove, IL)

Photo No.	7
Date	5-16-2019
Time	09:24
Direction	north
Photo Taken By	RWS

Comments

Bulk Storage Bunker Area (under construction)



Photo No.	8
Date	5-16-2019
Time	09:27
Direction	east
Photo Taken By	RWS

Comments

Fuel Island.

Action Item: Provide a Spill Kit at the Fuel Island to respond to larger spills and supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-14 Maintenance Facility (Downers Grove, IL)

Photo No.	9
Date	5-16-2019
Time	09:31
Direction	west
Photo Taken By	RWS

Comments

Plow Storage Area.



Photo No.	10
Date	5-16-2019
Time	09:32
Direction	north
Photo Taken By	RWS

Comments

Asphalt Emulsion Tank (inside Salt Dome.)

Action Item: Label the tank with tank contents, storage capacity, hazards, and warnings.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-14 Maintenance Facility (Downers Grove, IL)

Photo No.	11
Date	5-16-2019
Time	09:34
Direction	north
Photo Taken By	RWS

Comments

Salt Brine and Calcium Chloride Tanks.



Photo No.	12
Date	5-16-2019
Time	09:35
Direction	south
Photo Taken By	RWS

Comments

Painting Area.

Action Item: Label all waste containers with contents and generation date using an adhesive label designed for this purpose.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-14 Maintenance Facility (Downers Grove, IL)

Photo No.	13
Date	5-16-2019
Time	09:38
Direction	west
Photo Taken By	RWS

Comments

Material Storage Area.



Photo No.	14
Date	5-16-2019
Time	09:39
Direction	
Photo Taken By	RWS

Comments

Scrap Metals and Sweeper Waste Dumpster Area.



Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



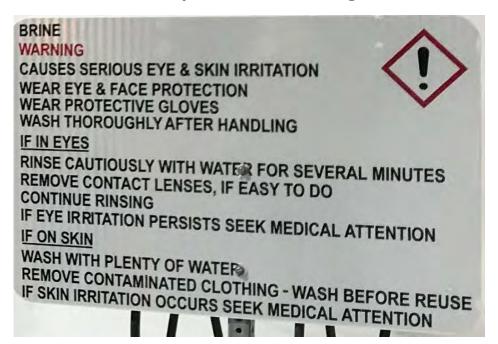
Example Sweeper Waste Dumpster Sign



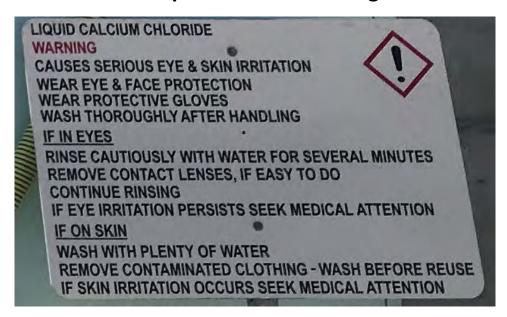
Example Scrap Metal Dumpster Sign

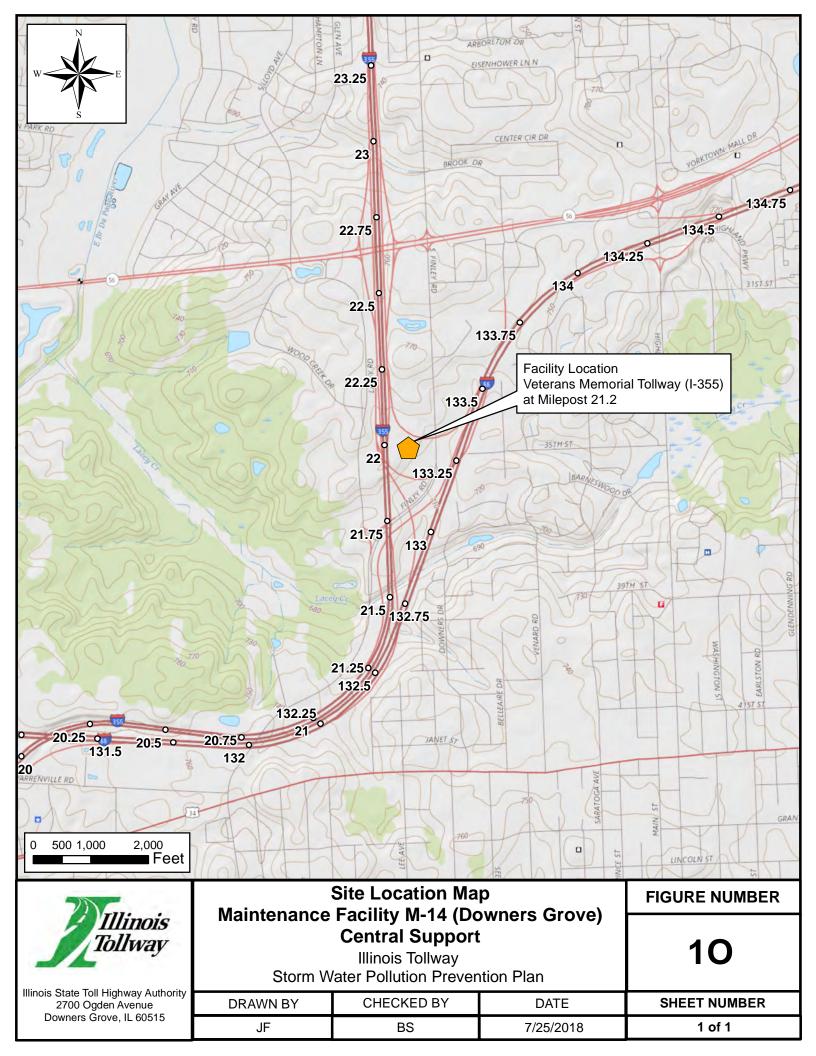


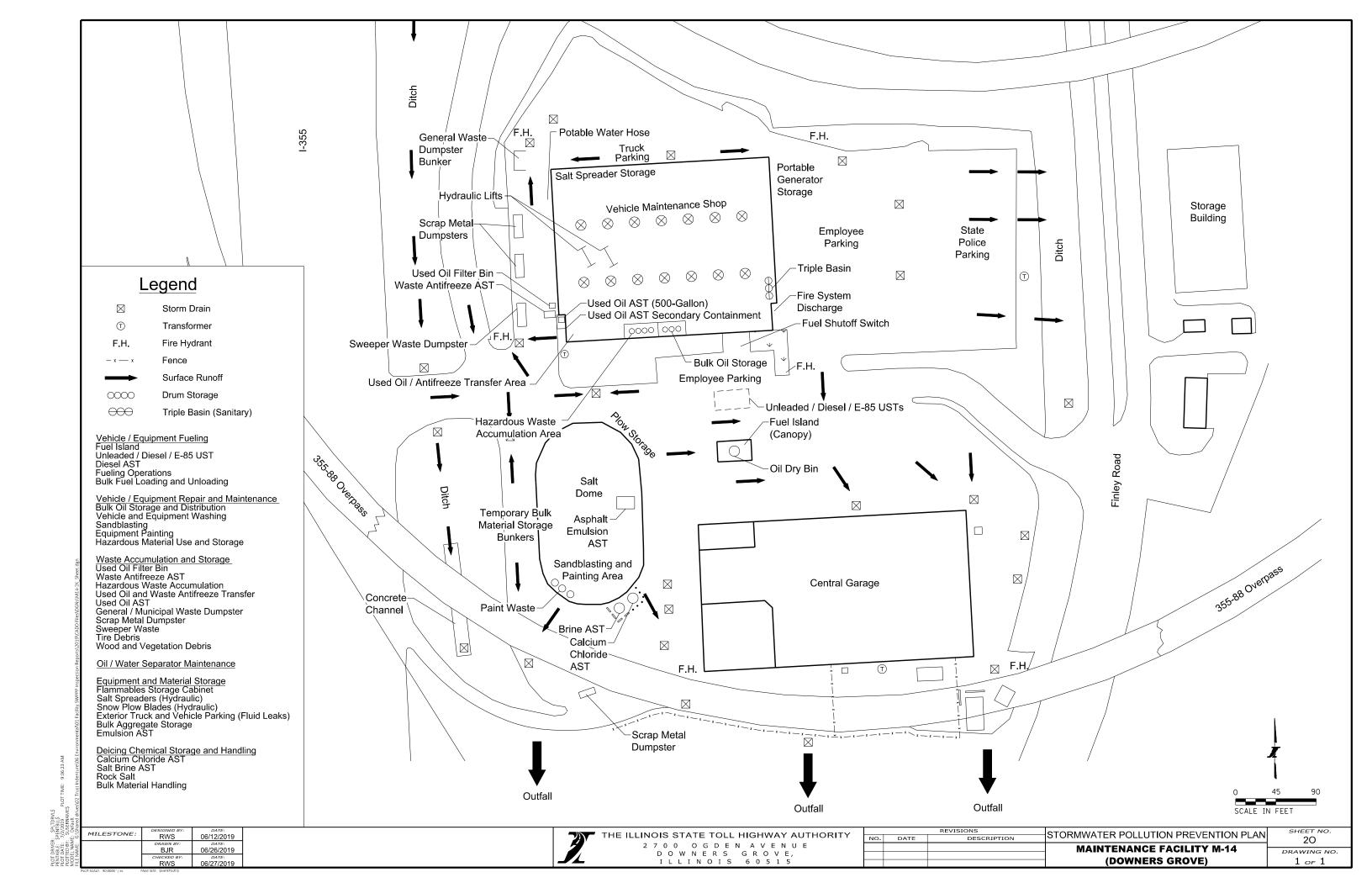
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix P M-14 Central Support Facility (Downers Grove, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Anthony Kudra; Michael Kugach

Yard/ Facility: M-14 Central Garage and Finley Rd.

Building

Location: Downers Grove, IL

Date: 05/16/2019 Time: 10:30

Weather Conditions During Inspection: Sunny, 80 degrees

GOOD HOUSEKEEPING		(Select One)
1	Are drums kept indoors neat, clean, and orderly?	
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	
4	Are empty drums and totes stored in the designated area?	Yes
5	Are the empty drums and totes capped/covered and free of surface residue?	Yes
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Not Applicable
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Yes
10	Are the waste dumpsters covered when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Empty drums should be labeled "EMPTY" using an adhesive label and arrange for recycling. Example labels are attached at the end of this report. (see Photo 2)

DIES	DIESEL AND UNLEADED FUELING AREA	
1	Is the fueling area free of leaks, stains, spills?	Not Applicable
2	Is a spill kit located nearby?	Not Applicable
3	Are the pumps in good condition?	Not Applicable
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Not Applicable
5	Are the level gauges working properly (regular documented system checks conducted)?	Not Applicable
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Not Applicable
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Not Applicable
8	Are the tanks and pumps properly labeled?	Not Applicable
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Not Applicable
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Not Applicable

^{*} Provide signage to identify the contents of dumpsters. Example signage is attached at the end of this report. (see Photos 1 and 6)



Date: 5/16/2019

Yard/ Facility: M-14 Central Garage and Finley Rd. Building

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the fueling area AST area free of leaks, stains, spills?	Not Applicable
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Not Applicable
2	2 Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	1 Is the used oil AST area free of leaks, stains, spills?	
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Yes
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22. (see Photo 5)

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Not Applicable
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable



3

Storm Water Annual Inspection Checklist

Yard/ Facility: M-14 Central Garage and Finley Rd. Building

Date: 3/10/2013	
	(Select One)
	Not Applicable
	Not Applicable

Not Applicable

Date: 5/16/2019

Are the AST valves in the closed position when not in use? Notes/Corrective Action Items including schedule for implementation:

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE) Is the calcium chloride AST area free of leaks, stains, spills? Are the pump and hoses in good condition (no cracks, etc)?

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Not Applicable
2	Is the AST area free of leaks, stains, spills?	Not Applicable
3	Are the pump and hoses in good condition (no cracks, etc)?	Not Applicable
4	Are the AST valves in the closed position when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

MISCELLANEOUS AREAS		(Select One)
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Not Applicable
4	Is there a drip pan under the dispensing valve of the emulsion tank?	Not Applicable
5	Is the bulk salt loading and unloading area generally free of residual salt?	Not Applicable
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Yes
8	Are used batteries stored indoors or under cover?	Yes
9	Is hazardous waste stored indoors or under cover?	No
10	Are the drums/containers in the hazardous waste storage area properly labeled?	No
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Yes

^{*} Label the contents for the Used Oil Filter Bin using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 8)

^{*} Label all waste containers in the Hazardous Waste Accumulation Area and Painting Area with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photos

^{*} Label all firing range waste containers with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 3)

^{*} Store paint materials indoors or under cover. All product containers should be labeled with contents. Waste containers should be labeled with contents and generation date using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 2)



Yard/ Facility: M-14 Central Garage and Finley Rd. Building

Date: 5/16/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed): Robert Suda

Illinois Tollway Contracted Inspector's Signature:

Date: 5/16/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Central Garage and Finley Road Bldg. (Downers Grove, IL)

Photo No.	1
Date	5-16-2019
Time	10:15
Direction	west
Photo Taken By	RWS

Comments

Municipal Waste Dumpsters at Central Garage.

Action Item: Provide signage to identify the contents of dumpsters.



Photo No.	2
Date	5-16-2019
Time	10:21
Direction	north
Photo Taken By	RWS

Comments

Outside Southeast Corner of Central Garage Building.

Action Item: Empty drums should be labeled "EMPTY" using an adhesive label designed for this purpose and arrange for recycling. Paint materials should be stored inside or under cover. All containers should be properly labeled.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Central Garage and Finley Road Bldg. (Downers Grove, IL)

Photo No.	3
Date	5-16-2019
Time	10:21
Direction	northwest
Photo Taken By	RWS

Comments

Outside Southeast Corner of Central Garage Building.

Action Item: Label all firing range waste containers with contents and generation date using an adhesive label designed for this purpose.



Photo No.	4
Date	5-16-2019
Time	10:23
Direction	southeast
Photo Taken By	RWS

Comments

Wrecked Vehicle Storage Area at Central Garage.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Central Garage and Finley Road Bldg. (Downers Grove, IL)

Photo No.	5
Date	5-16-2019
Time	10:24
Direction	northwest
Photo Taken By	RWS

Comments

Used Oil AST at Central Garage.

Action Item: Replace the faded labels on the Used Oil AST. Ensure legible labels with tank content, storage capacity, hazards, and warnings are provided. Replace the "Waste Oil" label with "Used Oil" per 40 CFR § 279.22.



Photo No.	6
Date	5-16-2019
Time	10:30
Direction	east
Photo Taken By	RWS

Comments

Municipal Waste Dumpsters at Central Garage.

Action Item: Provide signage to identify the contents of dumpsters.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Central Garage and Finley Road Bldg. (Downers Grove, IL)

Photo No.	7
Date	5-16-2019
Time	10:35
Direction	east
Photo Taken By	RWS

Comments

Painting Area (inside Body Shop) at Central Garage.

Label all waste containers with contents and generation date using an adhesive label designed for this purpose.

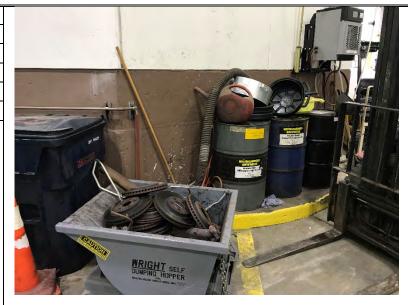


Photo No.	8
Date	5-16-2019
Time	10:40
Direction	west
Photo Taken By	RWS

Comments

Hazardous Waste Accumulation Area and Used Oil Filter Bin inside Central Garage.

Action Item: Label the contents for the Used Oil Filter Bin using an adhesive label designed for this purpose. Label all waste containers with contents and generation date.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Central Garage and Finley Road Bldg. (Downers Grove, IL)

Photo No.	9
Date	5-16-2019
Time	10:42
Direction	north
Photo Taken By	RWS

Comments

Bulk Oil Storage and Distribution Room inside Central Garage.



Photo No.	10
Date	5-16-2019
Time	10:44
Direction	north
Photo Taken By	RWS

Comments

Hydraulic Tank (behind enclosure) for Vehicle Lifts inside Central Garage.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Central Garage and Finley Road Bldg. (Downers Grove, IL)

Photo No.	11
Date	5-16-2019
Time	10:44
Direction	south
Photo Taken By	RWS

Comments

Used Oil Transfer Area inside Central Garage.

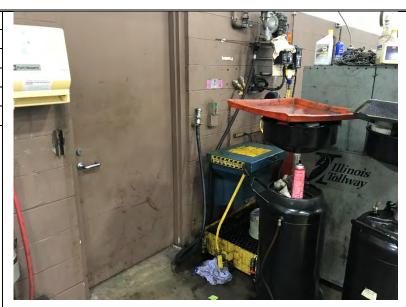


Photo No.	12
Date	5-16-2019
Time	10:00
Direction	west
Photo Taken By	RWS

Comments

South end of Finley Road Building Interior.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Central Garage and Finley Road Bldg. (Downers Grove, IL)

Photo No.	13
Date	5-16-2019
Time	10:06
Direction	west
Photo Taken By	RWS

Comments

Center of Finley Road Building Interior.



Photo No.	
Date	
Time	
Direction	
Photo Taken By	
Comments	

Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



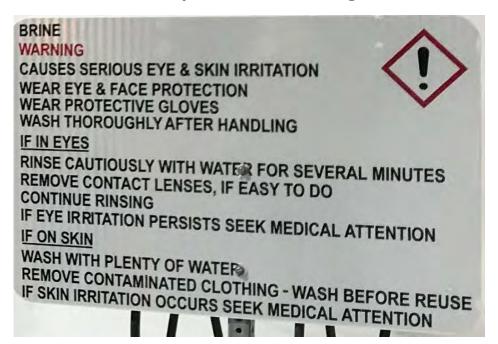
Example Sweeper Waste Dumpster Sign



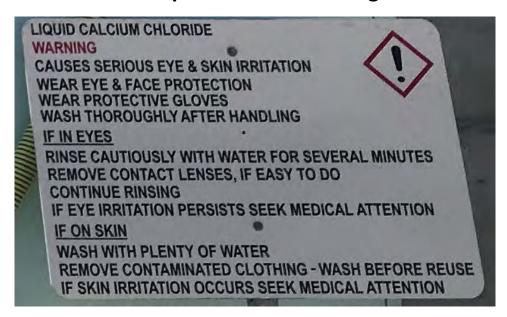
Example Scrap Metal Dumpster Sign

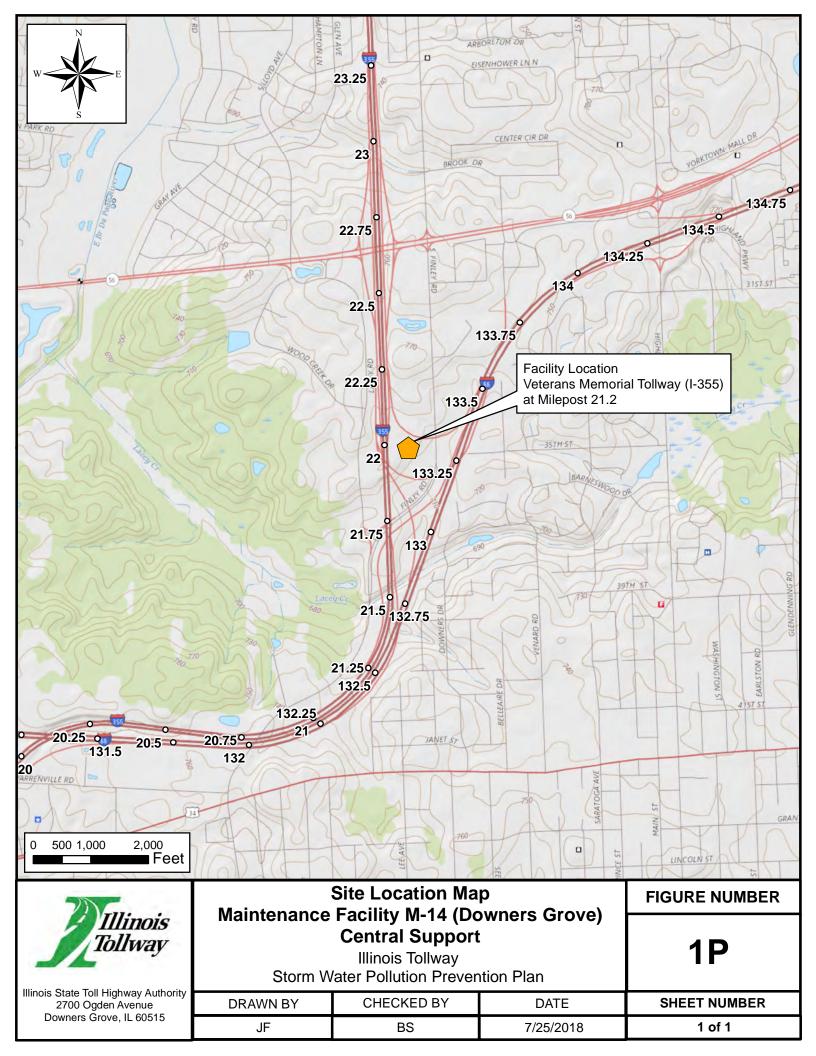


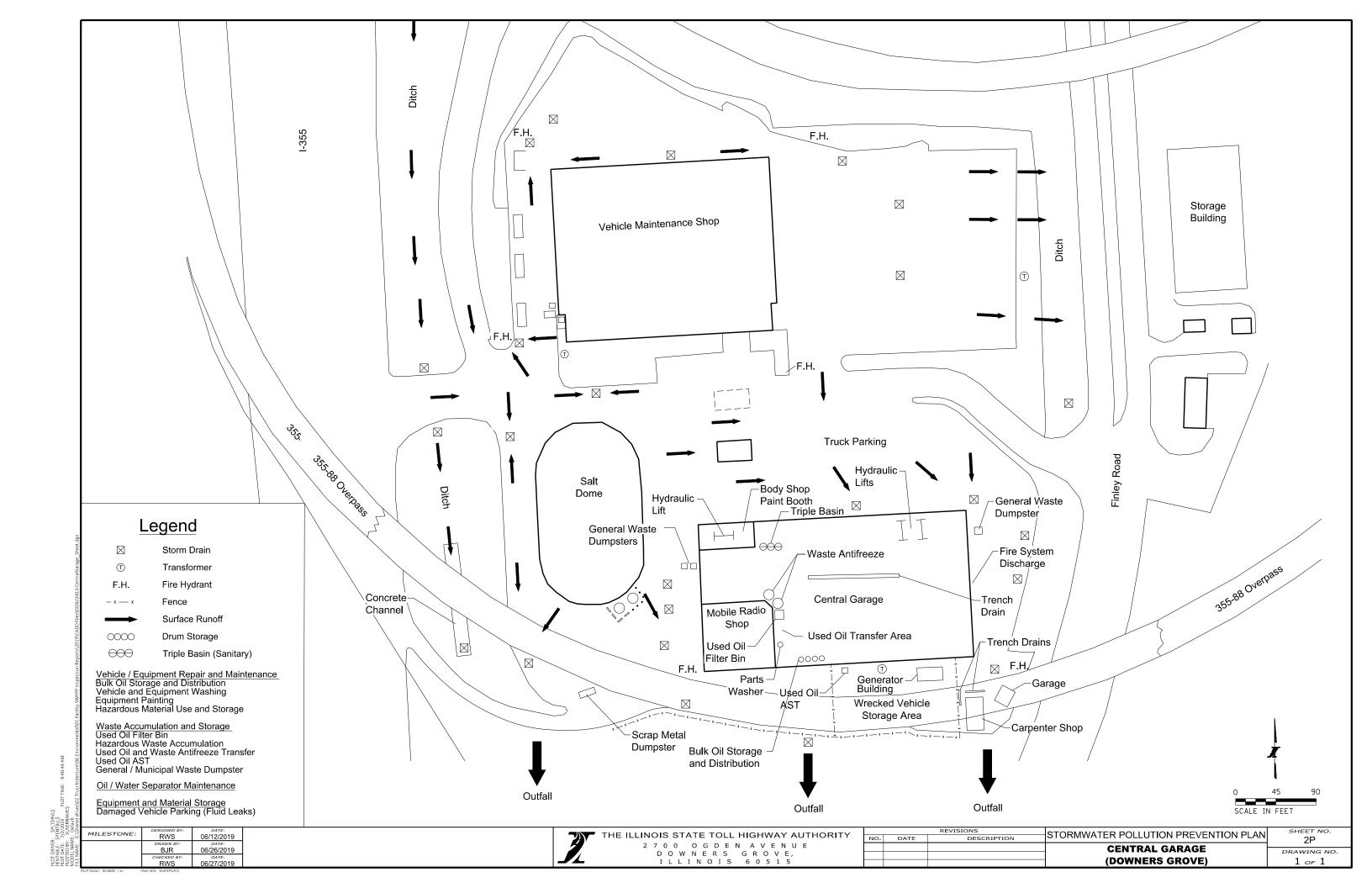
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix Q M-14 Spring Creek Maintenance Annex (Downers Grove, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Anthony Kudra; Michael Kugach

Yard/ Facility: M-14 Spring Creek Maintenance Annex Location: Downers Grove, IL

Date: 05/16/2019 Time: 08:30

Weather Conditions During Inspection: Sunny, 70 degrees

GOOD HOUSEKEEPING		(Select One)
1	1 Are drums kept indoors neat, clean, and orderly? Not A	
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Yes
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	No
4	Are empty drums and totes stored in the designated area?	Not Applicable
5	Are the empty drums and totes capped/covered and free of surface residue?	Not Applicable
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Not Applicable
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Not Applicable
10	Are the waste dumpsters covered when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

^{*} Multiple areas of staining and spillage of hydraulic fluid were observed in the Truck Parking Area. All spills are to be cleaned up immediately using adsorbent and the pavement cleaned using an enzyme or biodegradable cleaner. (see Photo 3).

DIESEL AND UNLEADED FUELING AREA		(Select One)
1	Is the fueling area free of leaks, stains, spills?	Yes
2	Is a spill kit located nearby?	No
3	Are the pumps in good condition?	Yes
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Yes
5	Are the level gauges working properly (regular documented system checks conducted)?	Yes
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Yes
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Yes
8	Are the tanks and pumps properly labeled?	Yes
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Yes
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Yes

^{*} Provide a spill kit with adsorbent socks and pads at the Fuel Island to respond to larger spills to supplement the granular adsorbent currently provided. Label the existing clean adsorbent material container using an adhesive label designed for this purpose. Example labels are attached at the end of this report. (see Photo 2)



Date: 5/16/2019

Yard/ Facility: M-14 Spring Creek Maintenance Annex

FUELING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		
1	Is the fueling area AST area free of leaks, stains, spills?	Not Applicable
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	No
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Yes
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	Is the used oil AST area free of leaks, stains, spills?	Not Applicable
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Not Applicable
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

^{*} Replace the faded labels on the Gasoline Aboveground Storage Tank. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided. (see Photo 1)

^{*} Cap and seal all hydraulic lines on plows and salt spreaders. (see Photo 4)



Date: 5/16/2019

Yard/ Facility: M-14 Spring Creek Maintenance Annex

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	No
2	Are the pump and hoses in good condition (no cracks, etc)?	Yes
3	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

- * Repair the anchors for the tank signage which has been knocked over/fasteners snapped. (see Photo 6)
- * Repair the small leak observed at the tank valves. (see Photo 6)

BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Tank Contents: Beet Heat/Salt Brine	Salt Brine
2	Is the AST area free of leaks, stains, spills?	No
3	Are the pump and hoses in good condition (no cracks, etc)?	Yes
4	Are the AST valves in the closed position when not in use?	Yes

Notes/Corrective Action Items including schedule for implementation:

MISCELLANEOUS AREAS		(Select One)
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Not Applicable
4	Is there a drip pan under the dispensing valve of the emulsion tank?	Not Applicable
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Not Applicable
8	Are used batteries stored indoors or under cover?	Not Applicable
9	Is hazardous waste stored indoors or under cover?	Not Applicable
10	Are the drums/containers in the hazardous waste storage area properly labeled?	Not Applicable
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Not Applicable

^{*} Repair the small leak observed at the tank valves. (see Photo 6)



Yard/ Facility: M-14 Spring Creek Maintenance Annex

Date: 5/16/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed). Robert Suda

Illinois Tollway Contracted Inspector's Signature:

Date: 5/16/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-14 Annex (Lockport, IL)

Photo No.	1
Date	5-16-2019
Time	08:27
Direction	west
Photo Taken By	RWS

Comments

Unleaded Gasoline AST.

Action Item: Replace the faded labels on the Gasoline Aboveground Storage Tank. Ensure that legible labels with tank contents, storage capacity, hazards, and warnings are provided.



Photo No.	2
Date	5-16-2019
Time	08:27
Direction	west
Photo Taken By	RWS

Comments

Diesel UST Area.

Action Item: Provide a Spill Kit at the Fueling Area to respond to larger spills and supplement the granular adsorbent currently provided.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection
Location: M-14 Annex (Lockport, IL)

Photo No.	3
Date	5-16-2019
Time	08:29
Direction	south
Photo Taken By	RWS

Comments

Truck Parking Area.

Action Item: Clean areas of hydraulic oil spills using adsorbent and the pavement cleaned using an enzyme or biodegradable cleaner.



Photo No.	4
Date	5-16-2019
Time	08:31
Direction	south
Photo Taken By	RWS

Comments

Truck Parking Area.

Action Item: The hydraulic lines on plows should be capped and sealed to prevent spills.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-14 Annex (Lockport, IL)

Photo No.	5
Date	5-16-2019
Time	08:32
Direction	south
Photo Taken By	RWS

Comments

Equipment Storage Area.



Photo No.	6
Date	5-16-2019
Time	08:34
Direction	north
Photo Taken By	RWS

Comments

Salt Brine and Calcium Chloride Storage Tanks.

Action Item: Repair the anchors for the tank signage which has been knocked over/fasteners snapped. Repair the small leak observed at the tank valves.



Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



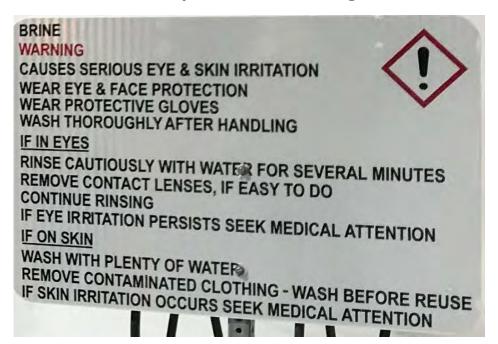
Example Sweeper Waste Dumpster Sign



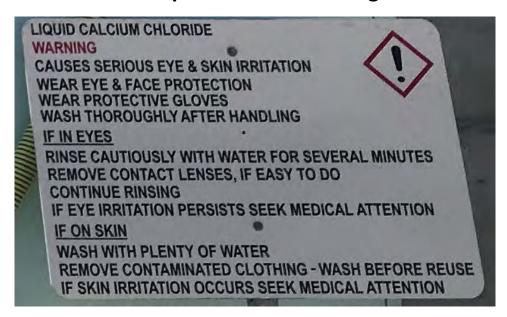
Example Scrap Metal Dumpster Sign

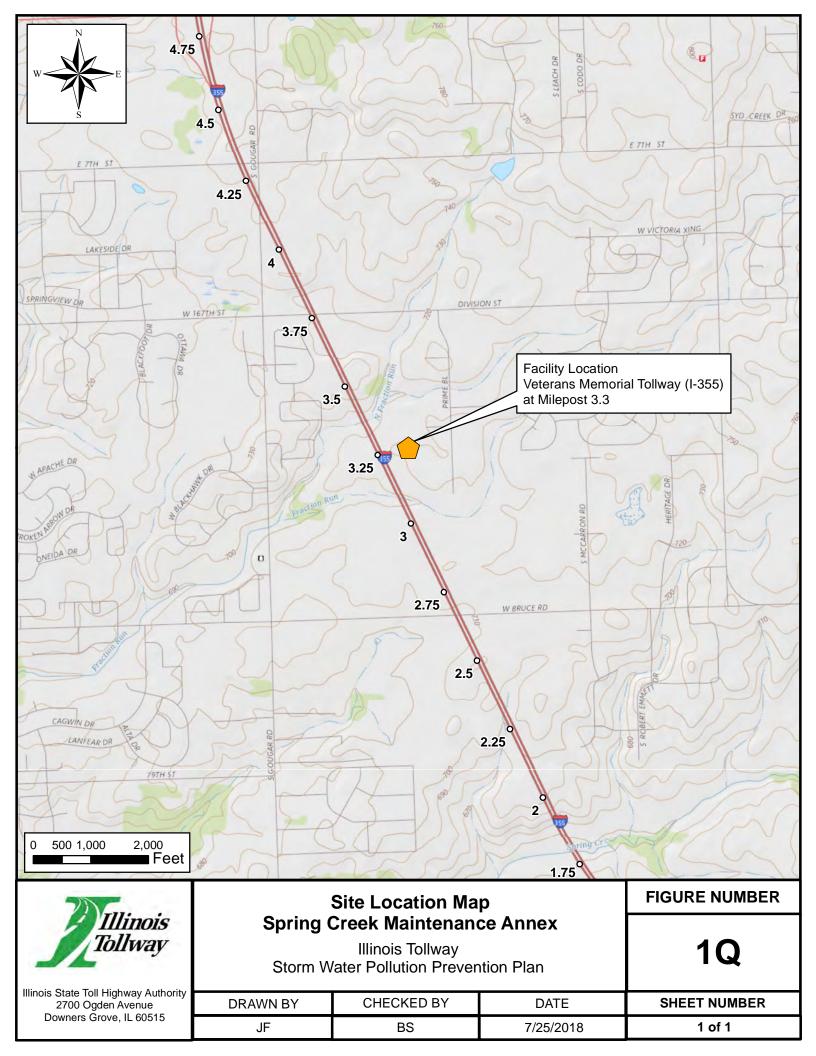


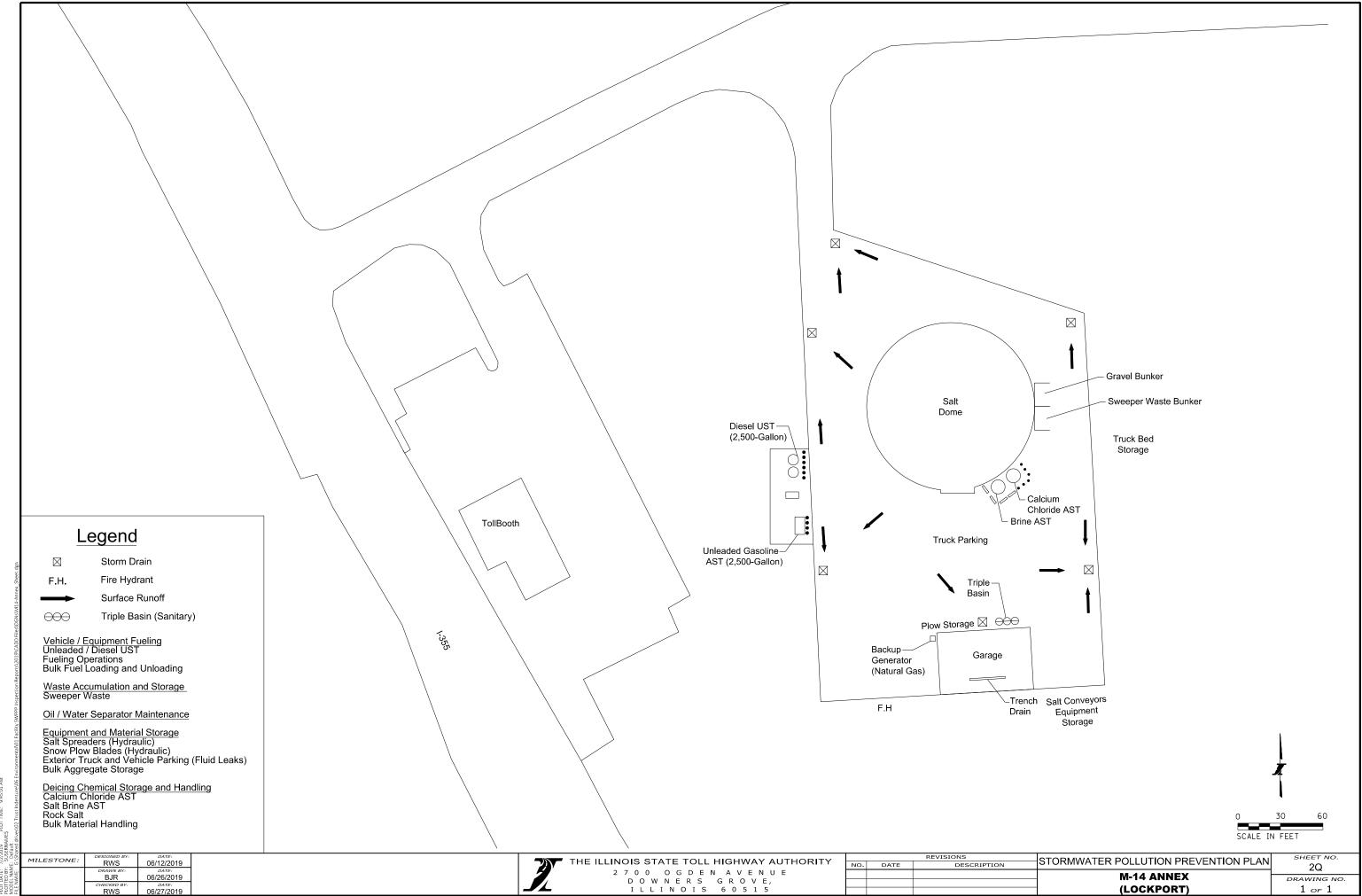
Example Brine Tank Sign



Example Chloride Tank Sign







Appendix R M-16 Temporary Facility (Elk Grove Village, IL)



Inspector Name: Robert Suda Inspector Title: GEC, Environmental Compliance

Inspector Name: William Santelik Inspector Title: GEC, Water Quality

Maintenance Supervisor Name (s): Patrick Donlon; Philip Cassman

Yard/ Facility: M-16 Temporary Maintenance Facility Location: Elk Grove Village, IL

Date: 05/15/2019 Time: 08:30

Weather Conditions During Inspection: Overcast, 60 degrees

GOOD HOUSEKEEPING		(Select One)
1	Are drums kept indoors neat, clean, and orderly?	Not Applicable
2	Are storm drains/storm water ditches in the plant yard free of obstructions, debris, etc.?	Not Applicable
3	Are the bulk material loading and unloading areas free of oil/grease staining (unleaded and diesel fuel, used oil, emulsion, 55-gallon drums)?	Not Applicable
4	Are empty drums and totes stored in the designated area?	Not Applicable
5	Are the empty drums and totes capped/covered and free of surface residue?	Not Applicable
6	Are front-end loaders or other loading equipment working properly (no fluid leaks)?	Yes
7	Is the facility generally free of trash and debris?	Yes
8	Is the employee parking and common areas free of trash and debris?	Yes
9	Are the flammable cabinets in good condition (no rusting, corrosion, free of leaks, etc.)?	Not Applicable
10	Are the waste dumpsters covered when not in use?	No

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage to identify the contents of dumpsters. Example signage is attached at the end of this report. (see Photos 3 and 4)

DIES	DIESEL AND UNLEADED FUELING AREA	
1	Is the fueling area free of leaks, stains, spills?	Not Applicable
2	Is a spill kit located nearby?	Not Applicable
3	Are the pumps in good condition?	Not Applicable
4	Is the fuel inventory system working properly (regular documented system checks conducted)?	Not Applicable
5	Are the level gauges working properly (regular documented system checks conducted)?	Not Applicable
6	Is the pump and fill port locked when not in use (by electronic inventory system)?	Not Applicable
7	Is the emergency pump shut-off switch working properly for each tank (regular documented system checks conducted)?	Not Applicable
8	Are the tanks and pumps properly labeled?	Not Applicable
9	Are the dispensing hoses in good condition (absent of cracking, etc.)?	Not Applicable
10	Is the underground storage tank (UST) area free of leaks, stains, spills?	Not Applicable

^{*} Ensure lids are maintained closed on dumpster while not in use. (see Photo 4)



Yard/ Facility: M-16 Temporary Maintenance Facility

Yar	Yard/ Facility: M-16 Temporary Maintenance Facility Date: 5/15/2019		
FUE	LING AREA ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the fueling area AST area free of leaks, stains, spills?		Not Applicable
2	Is the fueling area AST in good condition (no corrosion, rust, cracks, etc.)?		Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spil	lls?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (I	no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

EQUIPMENT STORAGE AREA		(Select One)
1	Are the hydraulic oil lines to the equipment (snow plows, etc.) capped when not in use?	Not Applicable
2	Are the dispensing valves for the calcium chloride saddle tanks closed when not in use?	Not Applicable
3	Is out-of-service equipment that have the potential for storm water pollution covered (tarp, canopy, etc.)?	Not Applicable
4	Where equipment has the potential for drips or leaking fluids, are drip pans used?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

USED OIL ABOVEGROUND STORAGE TANK		(Select One)
1	Is the used oil AST area free of leaks, stains, spills?	Not Applicable
2	Is the used oil AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

ANTIFREEZE ABOVEGROUND STORAGE TANK		(Select One)
1	Is the antifreeze AST area free of leaks, stains, spills?	Not Applicable
2	Is the antifreeze AST in good condition (no corrosion, rust, cracks, etc.)?	Not Applicable
3	IF APPLICABLE - Is the storm water containment area free of stains, debris, or spills?	Not Applicable
4	IF APPLICABLE - Is the drain plug in place for the storm water containment area (no leaks)?	Not Applicable



Date: 5/15/2019

Yard/ Facility: M-16 Temporary Maintenance Facility

CALCIUM CHLORIDE ABOVEGROUND STORAGE TANK (IF APPLICABLE)		(Select One)
1	Is the calcium chloride AST area free of leaks, stains, spills?	Not Applicable
2	Are the pump and hoses in good condition (no cracks, etc)?	Not Applicable
3	Are the AST valves in the closed position when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

BEE	BEET HEAT/SALT BRINE ABOVGROUND STORAGE TANK (IF APPLICABLE)	
1	Tank Contents: Beet Heat/Salt Brine	Salt Brine
2	Is the AST area free of leaks, stains, spills?	Not Applicable
3	Are the pump and hoses in good condition (no cracks, etc)?	Not Applicable
4	Are the AST valves in the closed position when not in use?	Not Applicable

Notes/Corrective Action Items including schedule for implementation:

^{*} Provide signage for the Salt Brine AST. Ensure that signage with tank contents, storage capacity, hazards, and warnings are provided. (see Photo 1)

MIS	CELLANEOUS AREAS	(Select One)
1	Is the sealant melter/applicator stored indoors or under cover when not in use?	Not Applicable
2	Is the asphalt recycler stored indoors or under cover when not in use?	Not Applicable
3	Is the emulsion tank stored indoors or under cover when not in use?	Not Applicable
4	Is there a drip pan under the dispensing valve of the emulsion tank?	Not Applicable
5	Is the bulk salt loading and unloading area generally free of residual salt?	Yes
6	Are calcium chloride pellets stored under cover?	Not Applicable
7	Are oil, soap, antifreeze, and other vehicle fluid 55-gallon drums stored indoors or under cover?	Not Applicable
8	Are used batteries stored indoors or under cover?	Not Applicable
9	Is hazardous waste stored indoors or under cover?	Not Applicable
10	Are the drums/containers in the hazardous waste storage area properly labeled?	Not Applicable
11	Is there accumulated rainwater within any secondary containment?	Not Applicable
12	If there is accumulated rainwater (item 11 above), is there the potential for contaminants to be released?	Not Applicable
13	Are used oil filters stored in the designated used oil filter dumpster? Is the dumpster covered?	Not Applicable



Yard/ Facility: M-16 Temporary Maintenance Facility

Date: 5/15/2019

I hereby attest that training on storm water management including BMPs, Maintenance Yard work practices, and industrial activity/significant material storage placement that may impact storm water quality was discussed with the Maintenance Manager or Maintenance Supervisor during this annual inspection.

Illinois Tollway Contracted Inspector's Name (printed); Robert Suda

Illinois Tollway Contracted Inspector's Signature:

Date: 5/16/2019

Keep completed Inspection reports with the SWPPP for at least 3 years



Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-16 Temporary Maintenance Facility (Elk Grove Village, IL)

Photo No.	1
Date	5-15-2019
Time	08:18
Direction	west
Photo Taken By	RWS

Comments

Salt Brine AST.

Action Item: Provide signage for the Salt Brine AST. Ensure that signage with tank content, storage capacity, hazards, and warnings are provided.



Photo No.	2
Date	5-15-2019
Time	08:18
Direction	south
Photo Taken By	RWS

Comments

Salt Dome.





Project Description / Illinois Tollway Maintenance Facility Annual SWPPP Inspection Location: M-16 Temporary Maintenance Facility (Elk Grove Village, IL)

Photo No.	3
Date	5-15-2019
Time	08:21
Direction	west
Photo Taken By	RWS

Comments

Sweeper Waste Dumpster.

Action Item: Provide signage for the dumpster contents.



Photo No.	4
Date	5-15-2019
Time	08:21
Direction	northeast
Photo Taken By	RWS

Comments

Storage Buildings and Municipal Waste Dumpster.

Action Item: Ensure lids are maintained closed. Provide signage for the dumpster contents.



Example Hazardous Waste Container Label

ш	AZARDOUS
UI.	
	WASTE
	MULATION F DATE
CONT	ENTS
	HANDLE WITH CARE!
	CONTAINS HAZARDOUS OR TOXIC WASTES

Example Clean Oil Dry Container Label



Example Drained Used Oil Filter Container Label



Example Drained Oil and Gasoline Filter Container Label



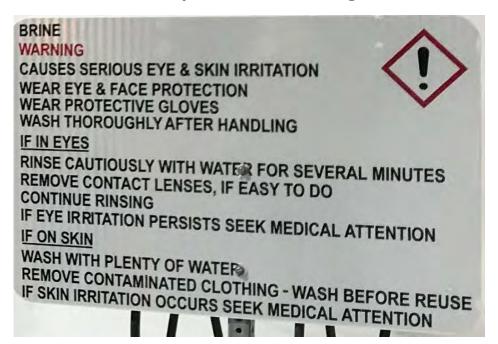
Example Sweeper Waste Dumpster Sign



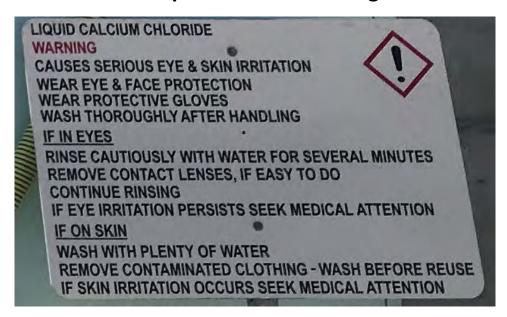
Example Scrap Metal Dumpster Sign

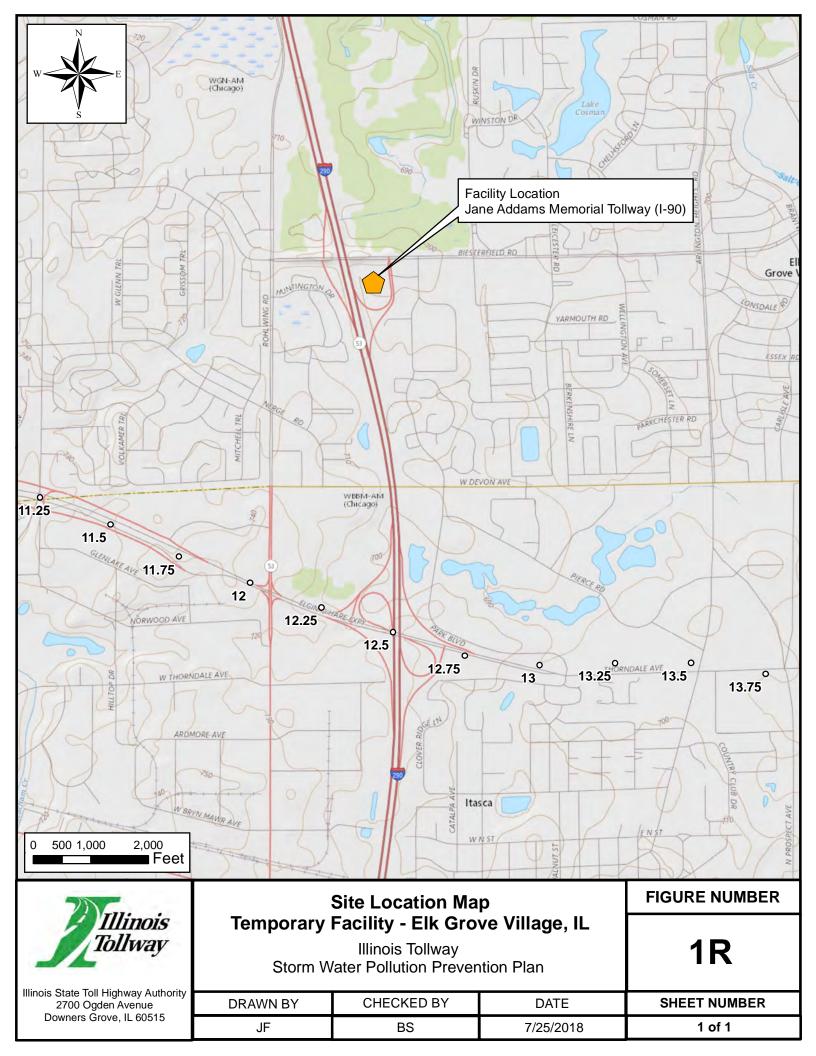


Example Brine Tank Sign



Example Chloride Tank Sign





Appendix G

Planned Construction Activities, 2020

The Move Illinois capital program will be in its nineth year in 2020 during which the Illinois Tollway will continue to expand and improve the Illinois Tollway system, implement technological innovations, expand opportunities for small, diverse and veteran firms, and strive to exceed the needs of Illinois' customers and communities.

The Illinois Tollway's 2020 capital program calls for investing \$1.46 billion in projects to build and repair roadways, bridges and interchanges and other capital investments across the system. The ninth year of the *Move Illinois* capital program has nearly \$330 million budgeted for systemwide roadway, bridge repairs and technology investments to keep the existing Illinois Tollway system in good repair and funding for key projects including:

- Nearly \$560 million to continue planning and advance construction for the new I-490 Tollway and new interchanges connecting to the Jane Addams Memorial Tollway (I-90), Tri-State Tollway (I-294), the Illinois Route 390 Tollway, as well as providing direct access in and out of O'Hare International Airport as part of the Elgin O'Hare Western Access Project.
- Roughly \$450 million to continue design and reconstruction of the Central Tri-State Tollway (I-294) Project.
- Approximately \$70 million to begin design and construction to complete the I-294/I-57 Interchange

This section highlights the Illinois Tollway's *Move Illinois* capital program projects anticipated to be in construction in 2020. This information is updated with the most recent data available from the Illinois Tollway's Program Management Office. With these projects, the Illinois Tollway system will continue to better serve the needs of its patrons. The *Move Illinois* capital program consists of projects required to maintain the integrity of the existing system infrastructure, provide new interchanges, improve access to and from the Illinois Tollway System, address congestion areas across the system and evaluate the construction of new Illinois Tollway routes. The following is a listing of significant projects that are programmed to be under construction or design during 2020.

The following is a listing of significant projects that are programmed to be under construction or design during 2020:

- Systemwide:
 - Bridge, Pavement and safety improvements
 - Facility repairs and construction
 - Toll plaza modifications for Electronic Tolling upgrades
 - Intelligent transportation system (ITS) and incident management system upgrades
 - Engineering and maintenance support contracts
- Jane Addams Memorial Tollway (I-90)
 - Roadway reconstruction and add lanes: Kennedy Expressway to Elgin Toll Plaza
 - Bridge and ramp repairs between Rockton Road and I-39
 - Landscaping, tree planning, fence repair

- Tri-State Tollway (I-94/I-294/I-80)
- Roadway reconstruction and add lanes: 95th Street to Balmoral Avenue (22.3 miles)
- Archer Avenue bridge over I-294 reconstruction
- BNSF bridge over I-294 reconstruction
- Mile Long Bridge reconstruction advance work
- Edens Spur reconstruction (5 miles)
- Bridge and ramp repairs
- Utilities, ROW and corridor support
- Veterans Memorial Tollway (I-355)
- Complete ongoing roadway and Bridge Rehabilitation I-55 to Army Trail Road (17.5 miles)
- Reagan Memorial Tollway (I-88)
- Interchange improvements at IL 47
- Pavement and Structure Reconstruction and Rehabilitation Aurora Toll Plaza to Route 59 (5.4 miles)
- Elgin O'Hare Western Access Project (IL 390/I-490)
- Interchange Construction: I-490/I-294 Interchange
- Interchange Construction: I-490/I-90 Interchange
- Mainline I-490 from I-294 to Franklin Avenue/Green Street
- Right-of-way acquisitions and utility relocations
- Complete 43 miles of ongoing infrastructure renewal: Mill, patch and overlay
- IL Route 251 to IL Route 56 (38.1 miles)
- Aurora Toll Plaza to IL Route 59 (5.5 miles)
- Complete 5.2 miles of ongoing reconstruction
- York Road to I-290 (1.5 miles)
- I-294/I-88 east-west connector (3.7 miles)

A complete project list for the Move Illinois capital program is provided on the following pages.

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Need	Project	Scope & Approximate Milepost Limits	Length (Centerline Miles)	Estimated Construction Period	Status
	Tri-State Tollway	(I-294/I-80 & I-2	.94)		
Reconstruct Infrastructure Replacement	Reconstruct 8 Lanes Add Lanes	95th Street to Balmoral Avenue (MP 17.6 to 40.2)	22.6	2018-2026	Programmed
Restore Infrastructure Renewal	Bridge and Ramp Repairs	Tri-State Tollway (I-294) (MP 0.0 to 52.8)	52.8	2012-2026	In-Progress
Corridor	ROW Acquisition	Tri-State Tollway (I-294) (MP 0.0 to 52.8)	52.8	2017-2022	In-Progress
Corridor	Utility and Fiber Optic Relocation	Tri-State Tollway (I-294) (MP 0.0 to 52.8)	52.8	2017-2021	In-Progress
	Tri-State Tollway (I-	-94) & Edens Spur	(I-94)		
Reconstruct Infrastructure Replacement	Reconstruct 4 Lanes Add Lanes	Edens Spur (I-94) (MP 25.3 to 30.1)	4.8	2018-2020	In-Progress
Restore Infrastructure Renewal	Bridge and Ramp Repairs	Tri-State Tollway (I-94) (MP 1.0 to 25.3)	25.3	2012-2026	In-Progress
Corridor	ROW Acquisition	Tri-State Tollway (I-94) (MP 1.0 to 25.3)	25.3	2015-2021	In-Progress
Corridor	Utility and Fiber Optic Relocation	Tri-State Tollway (I-94) (MP 1.0 to 25.3)	25.3	2017-2021	In-Progress

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	Tri-State Toll	way (I-294) & Interstate 57 Ir	nterchange		
Regional Growth System Expansion	New Ramps, Structures and Toll Plazas	Tri-State Tollway (I-294)/I-57 Interchange New Ramps to and from Memphis and 147th Street	-	2012-2014	Complete
Regional Growth System Expansion	ROW Acquisition	Tri-State Tollway (I-294)/I-57 Interchange	-	2013-2017	Complete
Regional Growth System Expansion	Utility and Fiber Optic Relocation	Tri-State Tollway (I-294)/I-57 Interchange	-	2013-2015	Complete
Regional Growth System Expansion	New Ramps and Structures	Tri-State Tollway (I-294)/I-57 Interchange New ramps to complete system interchange	ı	2019-2022	In-Progress
Regional Growth System Expansion	ROW Acquisition	Tri-State Tollway (I-294)/I-57 Interchange New ramps to complete system interchange	-	2020-2021	In-Progress
Regional Growth System Expansion	Utility and Fiber Optic Relocation	Tri-State Tollway (I-294)/I-57 Interchange New ramps to complete system interchange	-	2020-2021	In-Progress
Jane Addams Memorial Tollway (I-90)					

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Reconstruct Infrastructure Replacement Congestion Relief	Reconstruct 4 Lanes Add 2 Lanes	I-39 to Illinois Route 47 (MP 17.5 to 46.5)	29	2013-2015	Complete	
Reconstruct Infrastructure Replacement Congestion Relief	Reconstruct 4 Lanes Add 2 Lanes	Illinois Route 47 to Elgin Toll Plaza 9 (MP 46.5 to 54.0)	7.5	2013-2015	Complete	
Reconstruct Infrastructure Replacement Congestion Relief	Reconstruct 6 Lanes Add 2 Lanes	Elgin Toll Plaza 9 to Kennedy Expressway (MP 54.0 to 78.6)	24.6	2013-2016	Complete	
Reconstruct Congestion Relief	Transit Accommodation	I-39 to Kennedy Expressway (MP 17.5 to 78.6)	61.1	2013-2015	Complete	
Restore Infrastructure Renewal	Bridge and Ramp Repairs	I-39 to Kennedy Expressway (MP 17.5 to 78.6)	61.1	2013-2026	In-Progress	
Corridor	ROW Acquisition	I-39 to Kennedy Expressway (MP 17.5 to 78.6)	61.1	2012-2016	Complete	
Corridor	Utility and Fiber Optic Relocation	I-39 to Kennedy Expressway (MP 17.5 to 78.6)	61.1	2012-2016	Complete	
	Reagan Memorial Tollway (I-88)					
Reconstruct Infrastructure Replacement	Reconstruct 6 Lanes	York Road to Eisenhower Expressway (I-290) (MP 138.9 to 140.4)	1.5	2018-2019	In-Progress	

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Restore Infrastructure Renewal	Mill, Patch and Overlay	Illinois Route 251 to Illinois Route 56 (MP 76.1 to 113.3)	37.2	2018-2019	In-Progress
Restore Infrastructure Renewal	Mill, Patch and Overlay	Aurora Toll Plaza 61 to Illinois Route 59 (MP 117.8 to 123.3)	5.5	2020-2021	Programmed
Reconstruct Infrastructure Replacement	Reconstruct 4 Lanes	East-West Connector Road between I-294 and I-88	3.7	2019-2020	In-Progress
Restore Infrastructure Renewal	Bridge and Ramp Repairs	US Route 30 to Eisenhower Expressway (I-290 (MP 44.2 to 140.4)	96.2	2013, 2019, 2021-2026	In-Progress
Corridor	ROW Acquisition	US Route 30 to Eisenhower Expressway (I-290 (MP 44.2 to 140.4)	96.2	2016-2020	In-Progress
Corridor	Utility and Fiber Optic Relocation	US Route 30 to Eisenhower Expressway (I-290 (MP 44.2 to 140.4)	96.2	2018-2020	In-Progress
	Veterans	s Memorial Tollway (I-355	5)		
Restore Infrastructure Renewal	Mill, Patch and Overlay	I-55 to Boughton Road, Collector- Distributor Roads, North Avenue to Army Trail Road (MP 12.3 to 29.8)	17.5	2013	Complete
Restore Infrastructure Renewal	Mill, Patch and Overlay	I-55 to Army Trail Road (MP 12.3 to 29.8)	17.5	2018-2019	In-Progress

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Restore Infrastructure Renewal	Bridge and Ramp Repairs	I-80 to Army Trail Road (MP 0.0 to 29.8)	29.8	2018-2026	In-Progress
Corridor	ROW Acquisition	I-80 to Army Trail Road (MP 0.0 to 29.8)	29.8	2019	In-Progress
Corridor	Utility and Fiber Optic Relocation	I-80 to Army Trail Road (MP 0.0 to 29.8)	29.8	2018-2019	Complete
	Elgin-O'H	Hare (IL-390 & I-490)			
Regional Growth System Expansion	Rehabilitate 4 Lanes Add 2 Lanes	Existing Elgin O'Hare (IL-390) US Route 20 to Rohlwing Road	6.1	2013	Complete
Regional Growth System Expansion	Construct 6 New Lanes	Elgin O'Hare (IL-390) Extension Rohlwing Road to Illinois Route 83 via Thorndale Avenue	3.8	2014-2017	Complete
Regional Growth System Expansion	Construct 6 New Lanes	Elgin O'Hare (IL-390) Extension Illinois Route 83 to York Road via Thorndale Avenue	1	2020-2022	In-Progress
Regional Growth System Expansion	Construct 4 New Lanes	Elgin O'Hare West Bypass (I 490) - South Leg Thorndale Avenue to I-294 via York Road	3	2016-2026	In-Progress
Regional Growth System Expansion	Construct 4 New Lanes	Elgin O'Hare West Bypass (I 490) - North Leg	3.2	2016-2024	In-Progress

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		Thorndale Avenue to I-90 via York Road			
Regional Growth System Expansion	Toll Collection Infrastructure	US Route 20 to Elgin O'Hare West Bypass	-	2014-2025	In-Progress
	Systemwid	e Improvements			
Infrastructure Renewal	Bridge, Pavement, Drainage and Safety Appurtenance Repairs	Systemwide	-	2012-2026	In-Progress
Infrastructure Enhancements	Business Systems and Toll Collection Upgrades	Systemwide	-	2013-2026	In-Progress
Infrastructure Enhancements	Information Technology and Intelligent Transportations System (ITS) Upgrades	Systemwide	-	2012-2026	In-Progress
Maintenance and Operations Support	Capital Requirements, Maintenance Facilities Reconstruct, Relocate and Rehabilitate.	Systemwide	-	2013-2025	In-Progress
Maintenance and Operations Support	Items critical to Tollway Operations, Technical and Administrative Contracts.	Systemwide	-	2012-2026	In-Progress
Infrastructure Enhancements	Relocation of Fiber Optic and private utilities associated with Reconstruction or Repair projects.	Systemwide	-	2014-2018	Completed
Infrastructure Enhancements	Right-of-Way acquisition neccesary for interchange improvements or Maint. Facilities.	Systemwide	-	2018-2020	In-Progress
Access Expansion	Service Interchanges	Systemwide	-	2012-2019	In-Progress

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