

?

Submission HP6-XEBB-29A75 Revision 1 Form Version 1.17

This step allows you to review the form to confirm the form is populated completely and accurately, prior to certification and submission.

Delta Charter Township

Not Applicable - Nested MS4s not included in permit

Phase II

NO

YES

<https://miwaters.deq.state.mi.us/nform/app/#/submissionwizard/0d6294d5-ba04-48f1-b655-aedb0dc20486/13?returnContext=Home&returnUrl=https:...> 1/11

Upload referenced documentation identified below and other information relevant to the implementation of your ERP.*No files uploaded***Comment***None Specified*

1. Were there any changes made to the approved ERP during the reporting period which have not been reviewed and approved in accordance with the permit language?

NO

2. Did you complete each ERP measurable goal and/or implement ongoing activities consistent with the measurable goals?

YES

3. Provide the reference (paragraph & page) to the document submitted above describing progress made toward implementing the ERP to compel compliance using enforcement actions (e.g. summarize findings from tracking method).

There was no need to pursue compliance using enforcement actions in the reporting period.

4. Identify the total number of enforcement actions taken during the reporting period (Type 0 if none).

0

5. Will you continue to implement the approved ERP during the next reporting cycle? If you responded "yes with changes" or "no", submit the SWMP modification request information as required in Part I.A.4. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

SECTION 3. PUBLIC PARTICIPATION/INVOLVEMENT PROGRAM (PPP)**Upload referenced documentation identified below and other information relevant to the PPP**

GLRC Progress Report Delta _2016-2020.pdf

Comment*None Specified*

1. Were there any changes made to the approved PPP during the reporting period which have not been reviewed and approved in accordance with the permit language?

NO

2. Did you complete each PPP measurable goal and/or implement ongoing activities consistent with the measurable goals?

YES

3. Provide the reference to the document submitted above describing progress made toward implementing the PPP and meeting each measurable goal, including a summary of results.

See attached GLRC Progress Report

4. Will you continue to implement the approved PPP during the next reporting cycle? If you responded "YES with changes" or "NO," submit the SWMP modification request information as required in Part I.A.4. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

SECTION 4. PUBLIC EDUCATION PROGRAM (PEP)

Upload referenced documentation identified below and other information relevant to the PEP.

GLRC Progress Report Delta _2016-2020.pdf

Comment

None Specified

1. Were there any changes made to the approved PEP during the reporting period which have not been reviewed and approved in accordance with the permit language?

NO

2. Did you complete each PEP measurable goal and/or implement ongoing activities consistent with the measurable goals?

YES

3. PEP TOPICS

Provide the reference to the document submitted above describing progress made toward implementing the PEP and meeting each measurable goal, including a summary of results. If the PEP topic is not a part of the approved PEP, include "Not Applicable" in the comment box.

PEP Topic 1: Promote public responsibility and stewardship in the applicant's watershed.

See attached GLRC Progress Report

PEP Topic 2: Inform and educate the public about the connection of the MS4 to area waterbodies and the potential impacts discharges could have on surface waters of the state.

See attached GLRC Progress Report

PEP Topic 3: Educate the public on illicit discharges and promote public reporting of illicit discharges and improper disposal of materials into the MS4.

See attached GLRC Progress Report

PEP Topic 4: Promote preferred cleaning materials and procedures for car, pavement, and power washing.

See attached GLRC Progress Report

PEP Topic 5: Inform and educate the public on proper application and disposal of pesticides, herbicides, and fertilizers.

See attached GLRC Progress Report

PEP Topic 6: Promote proper disposal practices for grass clippings, leaf litter, and animal wastes that may enter into the MS4.

See attached GLRC Progress Report

PEP Topic 7: Identify and promote the availability, location, and requirements of facilities for collection or disposal of household hazardous wastes, travel trailer sanitary wastes, chemicals, yard wastes, and motor vehicle fluids.

See attached GLRC Progress Report

See attached GLRC Progress Report

See attached GLRC Progress Report

See attached GLRC Progress Report

Overall PEP

See attached GLRC Progress Report

YES

Upload referenced documentation identified below and other information relevant to the IDEP.

None Specified

NO

YES

17

YES

1

YES

5 b. Provide the reference to the document submitted above certifying that all illicit discharges that were not eliminated within 90 days of discovery have been eliminated or the plan for how the illicit discharge will be eliminated. If all illicit discharges were eliminated within 90 days, include "Not Applicable" in the comment box.

Not Applicable

6. How many of the illicit discharges led to an enforcement action? (Write 0 if none)

0

7. Was IDEP training provided in accordance with the approved program?

YES

8. Provide the reference to the document submitted above summarizing the evaluation and determination of overall effectiveness of the IDEP.

There was no need to pursue compliance under IDEP, so no findings to summarize in the reporting period.

9. Will you continue to implement the approved IDEP during the next reporting cycle. If you responded "YES with changes" or "NO," submit the SWMP modification request information as required in Part I.A.4. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

SECTION 6. CONSTRUCTION STORM WATER RUNOFF CONTROL PROGRAM

1. Were there any changes made to the approved program during the reporting period which have not been reviewed and approved in accordance with the permit language?

NO

2. Did you complete each program measurable goal and/or implement ongoing activities consistent with the measurable goals?

YES

3. Do you continue to rely on the Part 91 Agency identified in the application (other than yourself) to implement a Soil Erosion and Sedimentation Control Program?

Not Applicable – Permittee is the Part 91 agency

4. Was the Part 91 agency, or appropriate staff if you are the Part 91 agency, notified when the soil or sediment was discharged to your MS4 from a construction activity in accordance with the approved procedure?

Not Applicable – Soil or sediment was not discharged in accordance with the procedure during the reporting period

5. Was the Michigan Department of Environment, Great Lakes, and Energy (EGLE) notified when soil, sediment, or other pollutants were discharged to your MS4 from a construction activity in accordance with the approved procedure?

Not Applicable – Soil or sediment was not discharged in accordance with the procedure during the reporting period

6. Was a Part 91 permit issued for all construction activity one acre or greater in total earth disturbance with the potential to discharge to your MS4?

YES

NO

NO

Post construction measures added at two recent projects went into operation in 2020. Inspection and cleaning will begin in 2021 with documentation and tracking of maintenance work completed at that time.

YES

NO

YES

YES

YES

4a. Are routine and comprehensive inspections being performed at each facility with an SOP in accordance with the approved schedule?

YES

5. Did you implement the identified BMPs at facilities with medium to low potential to discharge pollutants

YES

6. Were any new facilities added during the reporting period that were not reviewed and approved by EGLE? If yes, submit the assessment for approval in accordance with Part I.A.3.g.2. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES (Submit the assessment)

7. Were the inspection, maintenance, and cleaning activities for the following structural controls implemented in accordance with the approved procedure?

Structural Control Type:	Inspection and Maintenance Activities Conducted in accordance with Approved Procedures?	If "NO," provide an explanation:
Detention Basins	YES (Provide date of last inspection/maintenance) Inspected as part of dry weather screening each year, <i>None Specified</i> last one was in October 2020.	
Oil/Water Separators	YES (Provide date of last inspection/maintenance) There is one oil/water separator that is scheduled for <i>None Specified</i> cleaning and inspection May 2021.	
Pump Stations	N/A: Do not own/operate	<i>None Specified</i>
Secondary Containment	YES (Provide date of last inspection/maintenance) February 2021.	<i>None Specified</i>
Vegetated Swales	N/A: Do not own/operate	<i>None Specified</i>
Constructed Wetlands	N/A: Do not own/operate	<i>None Specified</i>
Infiltration Basins/Trenches	N/A: Do not own/operate	<i>None Specified</i>
Porous Pavement	N/A: Do not own/operate	<i>None Specified</i>
Rain Gardens	YES (Provide date of last inspection/maintenance) Inspected as part of dry weather screening each year, <i>None Specified</i> last one was in October 2020.	
Underground Storage Vaults/Tanks	N/A: Do not own/operate	<i>None Specified</i>
Other Structural Controls (add rows as needed). Specify control type in explanation.	YES (Provide date of last inspection/maintenance) Two Aqua Swirls installed in 2020 and inspected March 2021, scheduled for cleaning May 2021.	<i>None Specified</i>

8. Provide the reference to the document submitted above demonstrating implementation of the procedure for inspecting, cleaning, and maintaining catch basins to ensure proper performance.

Cleaned in 2016, inspected in 2017, 2018 and 2019 and did not require cleaning.

In 2020 not inspected due to Covid-19 and on schedule to be inspected/cleaned in 2021.

3. Was P2/GH training provided in accordance with the approved program?

YES

3a. If yes, provide the reference to the training records in the document submitted above or in Section 8a.

See GLRC Appendix B

4. Is your pesticide applicator certified by the State of Michigan?

YES

5. Was contractor oversight provided to ensure contractors hired by the permittee comply with P2/GH BMPs when performing O&M activities?

YES

6. Will you continue to implement the approved P2/GH Program during the next reporting cycle? If you responded "YES with changes" or "NO," submit the SWMP modification request information as required by Part I.A.4. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

SECTION 9. TOTAL MAXIMUM DAILY LOAD (TMDL) IMPLEMENTATION PLAN**Upload referenced documentation identified below and other information relevant to the TMDL Implementation Plan.**

210312_Email re TMDL Permit No. MI0059725.pdf

Comment*None Specified***1. Is there a TMDL applicable to the discharge from your MS4 identified in your permit?**

YES

2. List the TMDLs in your permit.

Carrier Creek – Sediment

Grand River – E. coli

3. Were the prioritized BMPs implemented as per the approved TMDL Implementation Plan?

YES

4. Provide the reference to the summary of any monitoring results – including outfall monitoring, in-stream monitoring, or modeling – in the document submitted above.

No wet weather sampling completed in 2020 due to COVID related staffing limitations. Sampling will be done in 2021.

5. Provide the reference to the document submitted above with the assessment of progress made toward achieving the TMDL pollutant load reduction requirements.

No wet weather sampling completed in 2020 due to COVID related staffing limitations. Sampling will be done in 2021.

6. Will you continue to implement the approved TMDL Implementation Plan during the next reporting cycle? If you responded "Yes with changes" or "no", submit the SWMP modification request information as required in Part I.A.4. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

ADDITIONAL INFORMATION

Comments (As needed)

Section 6 Question 6

Was a Part 91 permit issued for all construction activity one acre or greater in total earth disturbance with the potential to discharge to your MS4?

Delta Township is a Part 91 Authorized Public Agency (APA) for soil erosion and sedimentation control compliance for projects on Township owned/controlled property, regardless of size. Soil Erosion & Sedimentation Control for all other construction projects within the Township is regulated by the Eaton County Drain Commissioner's Office. Even though the Township acts as an APA for its own projects, site plans still must meet the requirements of the Eaton County Drain Commissioner's Office. Township project plans and specifications include SESC requirements for the project, identify the responsibility for providing a certified storm water operator and required reporting. Delta Township staff ensure that this process is followed and ensure that all control measures are established and remain in place throughout the construction phases of the project.

Additional Documents (As needed)

Delta Dishcharge 2020-2024 permit cycle map A-2-delta.pdf

13_Outfall_Discharge Point Table_March 2021.pdf

A-13 Willow Canoe Launch.pdf

A-14 Delta Mills Canoe Launch.pdf

A-15 Hunter's Park.pdf

A-16 Croyts Ground Stroage Tank.pdf

Comment

None Specified

MS4 Progress Report

version 1.17

(Submission #: HP6-XEBB-29A75, version 1)

Details

Submission ID HP6-XEBB-29A75

Status Submitting

Form Input

Section 1. General Facility Information, Nested MS4 and Outfalls/Points of Discharge

Municipality/Site Name

Delta Charter Township

Nested MS4s:

1. Are you carrying out the terms and conditions of the permit for each nested MS4 listed in your permit? Select “NOT APPLICABLE” if you do not nest any regulated MS4s as part of your permit coverage.

Not Applicable - Nested MS4s not included in permit

2. Are you currently a Phase I or Phase II permittee?

Phase II

3. Did you add or remove any nested MS4s during the reporting period that have not been approved? If yes, submit a request for approval to add or remove a nested MS4 in accordance with Part I.A.1.b. of the permit.

NO

New Outfalls and/or Points of Discharge

4. Did you identify, construct, or install any new outfalls or points of discharge that have not been authorized? If yes, submit a request to authorize the discharge of storm water from the new outfall or point of discharge in accordance with Part I.A.2. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

Section 2. Enforcement response Plan (ERP)

Upload referenced documentation identified below and other information relevant to the implementation of your ERP.

NONE PROVIDED

Comment

NONE PROVIDED

1. Were there any changes made to the approved ERP during the reporting period which have not been reviewed and approved in accordance with the permit language?

NO

2. Did you complete each ERP measurable goal and/or implement ongoing activities consistent with the measurable goals?

YES

3. Provide the reference (paragraph & page) to the document submitted above describing progress made toward implementing the ERP to compel compliance using enforcement actions (e.g. summarize findings from tracking method).

There was no need to pursue compliance using enforcement actions in the reporting period.

4. Identify the total number of enforcement actions taken during the reporting period (Type 0 if none).

0

5. Will you continue to implement the approved ERP during the next reporting cycle? If you responded "yes with changes" or "no", submit the SWMP modification request information as required in Part I.A.4. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

Section 3. Public Participation/Involvement Program (PPP)

Upload referenced documentation identified below and other information relevant to the PPP

GLRC Progress Report Delta _2016-2020.pdf - 03/31/2021 03:45 PM

Comment

NONE PROVIDED

1. Were there any changes made to the approved PPP during the reporting period which have not been reviewed and approved in accordance with the permit language?

NO

2. Did you complete each PPP measurable goal and/or implement ongoing activities consistent with the measurable goals?

YES

3. Provide the reference to the document submitted above describing progress made toward implementing the PPP and meeting each measurable goal, including a summary of results.

See attached GLRC Progress Report

4. Will you continue to implement the approved PPP during the next reporting cycle? If you responded "YES with changes" or "NO," submit the SWMP modification request information as required in Part I.A.4. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

Section 4. Public Education Program (PEP)

Upload referenced documentation identified below and other information relevant to the PEP.

GLRC Progress Report Delta_2016-2020.pdf - 03/31/2021 03:46 PM

Comment

NONE PROVIDED

1. Were there any changes made to the approved PEP during the reporting period which have not been reviewed and approved in accordance with the permit language?

NO

2. Did you complete each PEP measurable goal and/or implement ongoing activities consistent with the measurable goals?

YES

3. PEP TOPICS

Provide the reference to the document submitted above describing progress made toward implementing the PEP and meeting each measurable goal, including a summary of results. If the PEP topic is not a part of the approved PEP, include "Not Applicable" in the comment box.

PEP Topic 1: Promote public responsibility and stewardship in the applicant's watershed.

See attached GLRC Progress Report

PEP Topic 2: Inform and educate the public about the connection of the MS4 to area waterbodies and the potential impacts discharges could have on surface waters of the state.

See attached GLRC Progress Report

PEP Topic 3: Educate the public on illicit discharges and promote public reporting of illicit discharges and improper disposal of materials into the MS4.

See attached GLRC Progress Report

PEP Topic 4: Promote preferred cleaning materials and procedures for car, pavement, and power washing.

See attached GLRC Progress Report

PEP Topic 5: Inform and educate the public on proper application and disposal of pesticides, herbicides, and fertilizers.

See attached GLRC Progress Report

PEP Topic 6: Promote proper disposal practices for grass clippings, leaf litter, and animal wastes that may enter into the MS4.

See attached GLRC Progress Report

PEP Topic 7: Identify and promote the availability, location, and requirements of facilities for collection or disposal of household hazardous wastes, travel trailer sanitary wastes, chemicals, yard wastes, and motor vehicle fluids.

See attached GLRC Progress Report

PEP Topic 8: Inform and educate the public on proper septic system care and maintenance, and how to recognize system failure.

See attached GLRC Progress Report

PEP Topic 9: Educate the public on, and promote the benefits of, green infrastructure and Low Impact Development.

See attached GLRC Progress Report

PEP Topic 10: Identify and educate commercial, industrial, and institutional entities likely to contribute pollutants to storm water runoff.

See attached GLRC Progress Report

Overall PEP

4. Provide the reference to the document submitted above summarizing the evaluation of overall effectiveness of the PEP.

See attached GLRC Progress Report

5. Will you continue to implement the approved PEP during the next reporting cycle? If you responded "YES with changes" or "NO," submit the SWMP modification request information as required in Part I.A.4. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

Section 5. Illicit Discharge Elimination Program (IDEP)

Upload referenced documentation identified below and other information relevant to the IDEP.

NONE PROVIDED

Comment

NONE PROVIDED

1. Were there any changes made to the approved IDEP during the reporting period which have not been reviewed and approved in accordance with the permit language?

NO

2. Did you complete each IDEP measurable goal and/or implement the ongoing activities consistent with the measurable goals?

YES

3. Identify the number of outfalls and points of discharge in your storm sewer system.

17

4. Was dry weather screening (i.e., outfall observation, field screening, and source investigation) performed in accordance with the approved IDEP during the reporting period?

YES

5. How many illicit discharges were detected (Type 0 if none)?

1

5 a. Were all illicit discharges detected eliminated?

YES

5 b. Provide the reference to the document submitted above certifying that all illicit discharges that were not eliminated within 90 days of discovery have been eliminated or the plan for how the illicit discharge will be eliminated. If all illicit discharges were eliminated within 90 days, include "Not Applicable" in the comment box.

Not Applicable

6. How many of the illicit discharges led to an enforcement action? (Write 0 if none)

0

7. Was IDEP training provided in accordance with the approved program?

YES

8. Provide the reference to the document submitted above summarizing the evaluation and determination of overall effectiveness of the IDEP.

There was no need to pursue compliance under IDEP, so no findings to summarize in the reporting period.

9. Will you continue to implement the approved IDEP during the next reporting cycle. If you responded "YES with changes" or "NO," submit the SWMP modification request information as required in Part I.A.4. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

Section 6. Construction Storm Water Runoff Control Program

1. Were there any changes made to the approved program during the reporting period which have not been reviewed and approved in accordance with the permit language?

NO

2. Did you complete each program measurable goal and/or implement ongoing activities consistent with the measurable goals?

YES

3. Do you continue to rely on the Part 91 Agency identified in the application (other than yourself) to implement a Soil Erosion and Sedimentation Control Program?

Not Applicable – Permittee is the Part 91 agency

4. Was the Part 91 agency, or appropriate staff if you are the Part 91 agency, notified when the soil or sediment was discharged to your MS4 from a construction activity in accordance with the approved procedure?

Not Applicable – Soil or sediment was not discharged in accordance with the procedure during the reporting period

5. Was the Michigan Department of Environment, Great Lakes, and Energy (EGLE) notified when soil, sediment, or other pollutants were discharged to your MS4 from a construction activity in accordance with the approved procedure?

Not Applicable – Soil or sediment was not discharged in accordance with the procedure during the reporting period

6. Was a Part 91 permit issued for all construction activity one acre or greater in total earth disturbance with the potential to discharge to your MS4?

YES

6a. Were all landowners or recorded easement holders of a property with construction activity one acre or greater in total earth disturbance advised of the State of Michigan Permit by Rule in accordance with the approved procedures?

YES

7. Will you continue to implement the approved program during the next reporting cycle? If you responded "YES with changes" or "NO," submit the SWMP modification request information as required in Part I.A.4. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

Section 7. Post-Construction Storm Water Runoff Program (i.e. Post-Construction Control or PCC Program)

Upload referenced documentation identified below and other information relevant to the PCC.

[Willow Canoe Launch ECDO Maint Agrmt_Recorded.pdf - 03/31/2021 03:54 PM](#)

[Delta Mills Canoe Launch ECDO Maint Agrmt_Recorded.pdf - 04/01/2021 03:22 PM](#)

Comment

NONE PROVIDED

1. Were there any changes made to the approved PCC Program during the reporting period which have not been reviewed and approved in accordance with the permit language?

NO

2. Did you complete each PCC Program measurable goal and/or implement ongoing activities consistent with the measurable goals?

YES

3. Were the approved post-construction performance standards applied to all projects that disturb at least one or more acres, including projects less than one acre that are part of a larger common plan of development or sale, in accordance with the approved ordinance/regulatory mechanism?

YES

3a. Did you implement the approved procedure for reviewing the use of infiltration BMP's to meet the post-construction performance standards in areas of soil or groundwater contamination?

Not Applicable – No projects in areas of soil or groundwater contamination

3b. Were BMPs to address potential hot spots required in accordance with the approved ordinance/regulatory mechanism?

Not Applicable – No projects in potential hot spots

3c. Were all site plans reviewed and approved to ensure compliance with the ordinance/regulatory mechanism/procedures?

YES

3d. Was a maintenance agreement or other legal mechanism entered with the owners or operators of each BMP to ensure long-term operation and maintenance in accordance with the approved ordinance/regulatory mechanism?

YES

3e. Were you approved to implement an off-site mitigation or payment in lieu program?

NO

3f. Did you approve projects subject to your off-site mitigation or payment in lieu program during the reporting period?

NO

4. Provide the reference to the document submitted above describing the status and results of implementing the procedure for tracking compliance with entered maintenance agreements or other legal mechanisms.

Post construction measures added at two recent projects went into operation in 2020. Inspection and cleaning will begin in 2021 with documentation and tracking of maintenance work completed at that time.

5. Will you continue to implement the approved PCC Program during the next reporting cycle? If you responded "YES with changes" or "NO," submit the SWMP modification request information as required in Part I.A.4. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

Section 8.A. Pollution Prevention and Good Housekeeping Program (P2/GH) - Structural Controls, Standard Operating Procedures, Catch Basin Cleaning, and Street Sweeping

Upload referenced documentation identified below and other information relevant to the P2/GH Program.

CB MH Cleaning 2016.pdf - 04/01/2021 02:35 PM

Pkg Lot Sweeping 2016.pdf - 04/01/2021 02:35 PM

Fixed Facility Assessment Delta Twp_2021.pdf - 04/01/2021 03:18 PM

Comment

NONE PROVIDED

1. Were there any changes made to the approved P2/GH Program during the reporting period which have not been reviewed and approved in accordance with the permit language?

NO

2. Did you complete each P2/GH Program measurable goal and/or implement ongoing activities consistent with the measurable goals?

YES

3. Did you update your structural control inventory in accordance with the approved procedure (i.e. additions, deletions, no longer owned or operated)?

YES

4. For each facility with a Standard Operating Procedure (SOP) is the content up-to-date?

YES

4a. Are routine and comprehensive inspections being performed at each facility with an SOP in accordance with the approved schedule?

YES

5. Did you implement the identified BMPs at facilities with medium to low potential to discharge pollutants

YES

6. Were any new facilities added during the reporting period that were not reviewed and approved by EGLE? If yes, submit the assessment for approval in accordance with Part I.A.3.g.2. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES (Submit the assessment)

7. Were the inspection, maintenance, and cleaning activities for the following structural controls implemented in accordance with the approved procedure?

Structural Control Type:	Inspection and Maintenance Activities Conducted in accordance with Approved Procedures?	If "NO," provide an explanation:
Detention Basins	YES (Provide date of last inspection/maintenance) Certify date inspection and/or maintenance was last completed? Inspected as part of dry weather screening each year, last one was in October 2020.	NONE PROVIDED
Oil/Water Separators	YES (Provide date of last inspection/maintenance) Certify date inspection and/or maintenance was last completed? There is one oil/water separator that is scheduled for cleaning and inspection May 2021.	NONE PROVIDED
Pump Stations	N/A: Do not own/operate	NONE PROVIDED
Secondary Containment	YES (Provide date of last inspection/maintenance) Certify date inspection and/or maintenance was last completed? February 2021.	NONE PROVIDED
Vegetated Swales	N/A: Do not own/operate	NONE PROVIDED
Constructed Wetlands	N/A: Do not own/operate	NONE PROVIDED
Infiltration Basins/Trenches	N/A: Do not own/operate	NONE PROVIDED
Porous Pavement	N/A: Do not own/operate	NONE PROVIDED

Structural Control Type:	Inspection and Maintenance Activities Conducted in accordance with Approved Procedures?	If "NO," provide an explanation:
Rain Gardens	YES (Provide date of last inspection/maintenance) Certify date inspection and/or maintenance was last completed? Inspected as part of dry weather screening each year, last one was in October 2020.	NONE PROVIDED
Underground Storage Vaults/Tanks	N/A: Do not own/operate	NONE PROVIDED
Other Structural Controls (add rows as needed). Specify control type in explanation.	YES (Provide date of last inspection/maintenance) Certify date inspection and/or maintenance was last completed? Two Aqua Swirls installed in 2020 and inspected March 2021, scheduled for cleaning May 2021.	NONE PROVIDED

8. Provide the reference to the document submitted above demonstrating implementation of the procedure for inspecting, cleaning, and maintaining catch basins to ensure proper performance.

Cleaned in 2016, inspected in 2017, 2018 and 2019 and did not require cleaning. In 2020 not inspected due to Covid-19 and on schedule to be inspected/cleaned in 2021.

9. Provide the reference to the document submitted above demonstrating implementation of the approved procedure for sweeping streets, parking lots, and other impervious surfaces.

Cleaned in 2016, inspected in 2017, 2018 and 2019 and did not require cleaning. In 2020 not inspected due to Covid-19 and on schedule to be inspected/cleaned in 2021.

Section 8.B. P2/GH - Operation and Maintenance Activities and Employee Training

Upload referenced documentation identified below and other information relevant to BMPs or employee training.

GLRC Progress Report_Appendix B.pdf - 04/01/2021 02:46 PM

Comment

NONE PROVIDED

1. Are you implementing BMPs in accordance with your approved procedures to prevent or reduce pollutant runoff from the following operations and maintenance activities?

Activity:	BMPs Implemented?	Provide the reference to the document submitted above describing the BMPs implemented or an explanation of why BMPs were not implemented:
Road, Parking Lot, and Sidewalk Maintenance (e.g. pothole, sidewalk, and curb and gutter repair)	YES	Only minor parking lot crack sealing performed during the reporting period.
Bridge Maintenance	N/A	NONE PROVIDED
Right-of-Way Maintenance	N/A	NONE PROVIDED
Unpaved Road Maintenance	N/A	NONE PROVIDED
Cold Weather Operations (e.g. plowing, sanding, application of deicing agents, and snow pile disposal)	YES	The Township only salts Township facilities parking lots and sidewalks. The Township uses the minimum amount of salt needed to get the job done. Surface Temperatures are considered when determining volume of salt to apply. The Township is calibrating salt equipment according to manufactures recommendation.
Maintenance of permittee-owned vehicles (e.g. police, fire, school bus, public works), including certifying that no vehicles are washed with a discharge to the regulated MS4.	YES	The Township has a properly designed, maintained, and operated vehicle/equipment wash bay at its Water Operations Building that is equipped to handle and properly dispose of the wash waters that drain to the sanitary sewer. The fire apparatus and equipment washing at Fire Stations Nos. 1 and 3 are conducted within the vehicle apparatus bays where there are floor drains piped to the Township's sanitary sewer system.

2. Were all new permittee-owned and operated facilities or new structural stormwater controls for water quantity designed and implemented in accordance with the PCC performance standards and long-term operation and maintenance requirements?

YES

3. Was P2/GH training provided in accordance with the approved program?

YES

3a. If yes, provide the reference to the training records in the document submitted above or in Section 8a.

See GLRC Appendix B

4. Is your pesticide applicator certified by the State of Michigan?

YES

5. Was contractor oversight provided to ensure contractors hired by the permittee comply with P2/GH BMPs when performing O&M activities?

YES

6. Will you continue to implement the approved P2/GH Program during the next reporting cycle? If you responded "YES with changes" or "NO," submit the SWMP modification request information as required by Part I.A.4. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

Section 9. Total Maximum Daily Load (TMDL) Implementation Plan

Upload referenced documentation identified below and other information relevant to the TMDL Implementation Plan.

210312_Email re TMDL Permit No. MI0059725.pdf - 03/31/2021 04:20 PM

Comment

NONE PROVIDED

1. Is there a TMDL applicable to the discharge from your MS4 identified in your permit?

YES

2. List the TMDLs in your permit.

Carrier Creek – Sediment Grand River – E. coli

3. Were the prioritized BMPs implemented as per the approved TMDL Implementation Plan?

YES

4. Provide the reference to the summary of any monitoring results – including outfall monitoring, in-stream monitoring, or modeling – in the document submitted above.

No wet weather sampling completed in 2020 due to COVID related staffing limitations. Sampling will be done in 2021.

5. Provide the reference to the document submitted above with the assessment of progress made toward achieving the TMDL pollutant load reduction requirements.

No wet weather sampling completed in 2020 due to COVID related staffing limitations. Sampling will be done in 2021.

6. Will you continue to implement the approved TMDL Implementation Plan during the next reporting cycle? If you responded "Yes with changes" or "no", submit the SWMP modification request information as required in Part I.A.4. of the permit as an Unscheduled Permit Required Report in MiWaters.

YES

Additional Information

Comments (As needed)

Section 6 Question 6 Was a Part 91 permit issued for all construction activity one acre or greater in total earth disturbance with the potential to discharge to your MS4? Delta Township is a Part 91 Authorized Public Agency (APA) for soil erosion and sedimentation control compliance for projects on Township owned/controlled property, regardless of size. Soil Erosion & Sedimentation Control for all other construction projects within the Township is regulated by the Eaton County Drain Commissioner's Office. Even though the Township acts as an APA for its own projects, site plans still must meet the requirements of the Eaton County Drain Commissioner's Office. Township project plans and specifications include SESC requirements for the project, identify the responsibility for providing a certified storm water operator and required reporting. Delta Township staff ensure that this process is followed and ensure that all control measures are established and remain in place throughout the construction phases of the project.

Additional Documents (As needed)

[Delta Disharge 2020-2024 permit cycle map A-2-delta.pdf](#) - 03/31/2021 04:21 PM

[13_Outfall_Discharge Point Table_March 2021.pdf](#) - 04/01/2021 03:21 PM

[A-13 Willow Canoe Launch.pdf](#) - 04/01/2021 03:21 PM

[A-14 Delta Mills Canoe Launch.pdf](#) - 04/01/2021 03:21 PM

[A-15 Hunter's Park.pdf](#) - 04/01/2021 03:21 PM

[A-16 Creyts Ground Stroage Tank.pdf](#) - 04/01/2021 03:21 PM

Comment

NONE PROVIDED

Attachments

Date	Attachment Name	Context	User
4/1/2021 3:22 PM	Delta Mills Canoe Launch ECDO Maint Agrmt_Recorded.pdf	Attachment	Jennifer Bernardin
4/1/2021 3:21 PM	A-16 Creyts Ground Stroage Tank.pdf	Attachment	Jennifer Bernardin
4/1/2021 3:21 PM	A-15 Hunter's Park.pdf	Attachment	Jennifer Bernardin
4/1/2021 3:21 PM	A-14 Delta Mills Canoe Launch.pdf	Attachment	Jennifer Bernardin
4/1/2021 3:21 PM	A-13 Willow Canoe Launch.pdf	Attachment	Jennifer Bernardin
4/1/2021 3:21 PM	13_Outfall_Discharge Point Table_March 2021.pdf	Attachment	Jennifer Bernardin

Date	Attachment Name	Context	User
4/1/2021 3:18 PM	Fixed Facility Assessment Delta Twp_2021.pdf	Attachment	Jennifer Bernardin
4/1/2021 2:46 PM	GLRC Progress Report_Appendix B.pdf	Attachment	Jennifer Bernardin
4/1/2021 2:35 PM	Pkg Lot Sweeping 2016.pdf	Attachment	Jennifer Bernardin
4/1/2021 2:35 PM	CB MH Cleaning 2016.pdf	Attachment	Jennifer Bernardin
3/31/2021 4:21 PM	Delta Dishcharge 2020-2024 permit cycle map A-2-delta.pdf	Attachment	Jennifer Bernardin
3/31/2021 4:20 PM	210312_Email re TMDL Permit No. MI0059725.pdf	Attachment	Jennifer Bernardin
3/31/2021 3:54 PM	Willow Canoe Launch ECDO Maint Agrmt_Recorded.pdf	Attachment	Jennifer Bernardin
3/31/2021 3:46 PM	GLRC Progress Report Delta _2016-2020.pdf	Attachment	Jennifer Bernardin
3/31/2021 3:45 PM	GLRC Progress Report Delta _2016-2020.pdf	Attachment	Jennifer Bernardin

Status History

	User	Processing Status
3/2/2021 7:01:00 AM	Jennifer Bernardin	Draft
4/1/2021 3:36:02 PM	Jennifer Bernardin	Signing
4/1/2021 3:36:03 PM	Jennifer Bernardin	Submitting

MS4 Outfall or Point of Discharge Identified, Constructed, or Installed After Permit Issuance

version 1.0

(Submission #: HP7-420A-1MPFY, version 1)

Details

Submission ID HP7-420A-1MPFY

Status Submitted

Form Input

Contacts (1 of 1)

CONTACTS

A contact must be provided for each of the roles listed below. You may assign more than one role to a single contact by holding down the 'Ctrl' key while selecting each role. Use the "+" (repeat section) button to add an additional contact.

Contact Role(s)

Application Contact

Contact Information

Prefix

NONE PROVIDED

First Name

Ernie

Last Name

West

Title

NONE PROVIDED

Organization Name

Delta Township

Phone Type

Business

Number

5178168290

Extension**Email**

ewest@deltami.gov

Fax

NONE PROVIDED

Address

7710 W SAGINAW HWY

LANSING, MI 48917

United States

Outfalls/Points of Discharge After Permit Issuance (1 of 1)

Regulated Area

The Regulated Area was defined as part of the application that was used for the reissuance of the current permit. Refer to that definition while the permittee's regulated area shall be used when completing this form.

Is the Outfall/Point of discharge within the regulated area

YES

Outfall and Point of Discharge Information

Provide the following information for each of the outfall(s) and/or point(s) of discharge within the regulated area identified, constructed, or installed after permit issuance: identification number, description of whether the discharge is from an outfall or point of discharge, and the surface water of the state that receives the discharge.

An outfall means a discharge point from an MS4 directly to surface waters of the state.

A point of discharge means a discharge from an MS4 to an MS4 owned or operated by another public body. In the case of a point of discharge, the surface water of the state is the ultimate receiving water from the final outfall.

Please note than an MS4 is not a surface water of the state. For example, an open county drain that is a surface water of the state is not an MS4.

Outfall/Point of Discharge Information

Identification Number of Outfall/Point of Discharge	Is this an outfall or point of discharge?	Receiving Water
19 - Willow Canoe Launch	OUTFALL	Grand River
20 - Delta Mills Canoe Launch	OUTFALL	Grand River
21 - Hunter's Park	OUTFALL	Grand River
22 - Creyts Road Ground Storage	POINT OF DISCHARGE	Hunters and Branch

"Please select "I Certify" to confirm understanding and reading of the following statement: The outfall or point of discharge is within the regulated area as identified in the application.

I Certify

Please select "I Certify" to confirm understanding and reading of the following statement: The previously approved Storm Water Management Program (Part I.A.3. of the permit) includes BMPs to comply with the minimum requirements of the permit for the outfall or point of discharge.

I Certify

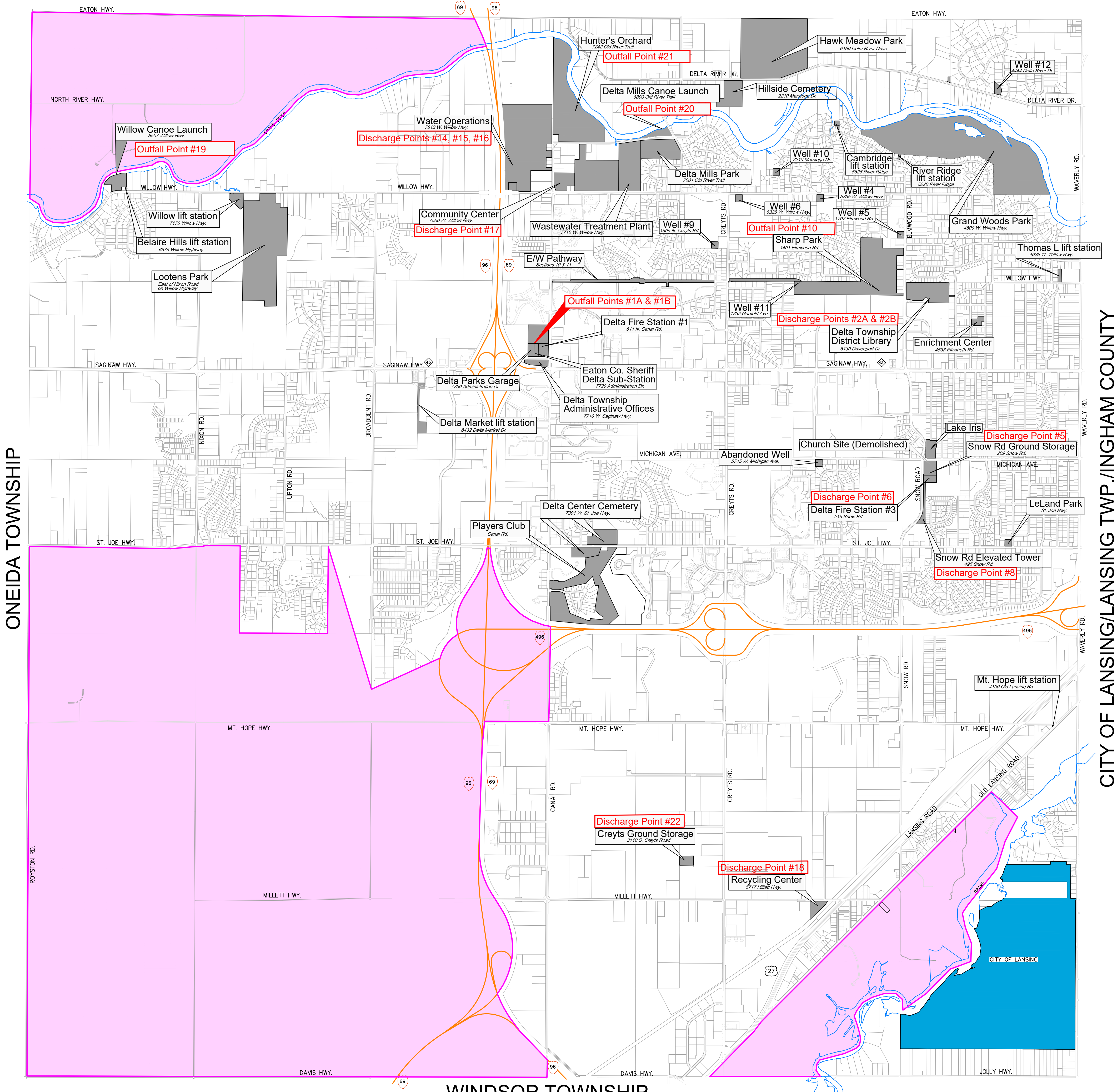
Please select "I Certify" to confirm understanding and reading of the following statement: The previously approved Storm Water Management Program (Part I.A.3. of the permit) is being implemented in the area served by the outfall or point of discharge, including having available an up-to-date storm sewer system map required in Part I.A.3.d.1) of the permit.

I Certify

Status History

	User	Processing Status
3/10/2021 5:01:39 PM	Jennifer Bernardin	Draft
4/1/2021 3:34:12 PM	Jennifer Bernardin	Submitting
4/1/2021 3:34:17 PM	Jennifer Bernardin	Submitted

WATERTOWN TWP./CLINTON COUNTY



WINDSOR TOWNSHIP

MAP A-2

DELTA TOWNSHIP



STORMWATER DISCHARGE & OUTFALL POINTS MAP

Screening will be done every year for the 2020-2024 Permit Cycle

Discharge or Outfall No.	Map No. and Location
1A	A-3 Delta Township Admin. Complex
1B	A-3 Fire Station #1
6	A-7 Fire Station #3
2A	A-4 Delta Twp. Library North Discharge
2B	A-4 Delta Twp. Library South Discharge
10	A-9 Sharp Park
17	A-11 Community Center - Joe Drolett
18	A-12 Delta Recycling Center
19	A-13 Willow Canoe Launch
20	A-14 Delta Mills Canoe Launch
21	A-15 Hunter's Park Pathway Drainage
5	A-6 Snow Road Ground Storage
8	A-8 Snow Road Elevated Storage
14	A-10 Water Operations
15	A-10 Water Operations
16	A-10 Water Operations
22	A-16 Creyts Road Ground Storage

Outfall No's. 3, 4, 7, 9, 11, 12, 13 have been removed, do not reuse these numbers

KEY	
	DELTA TOWNSHIP OWNED PROPERTIES
	CITY OF LANSING
	NON-URBANIZED AREA (2010 U.S. Census)
	URBANIZED AREA (2010 U.S. Census)

Permit M10059725 Begins February 1, 2020 - Expires April 4, 2024

Map Revised March 2021



**TABLE A-1
DELTA TOWNSHIP FACILITIES WITHIN URBANIZED AREA
& MS4 OUTFALL/DISCHARGE POINT LOCATIONS**

OUTFALL POINT NO.	DISCHARGE POINT NO.	FACILITY NAME	FACILITY TYPE	ADDRESS	# of CBs/STMHs	LATITUDE & LONGITUDE	RECEIVING COUNTY DRAIN	SURFACE WATER OF THE STATE DISCHARGED TO
#1A	-	Delta Township Administration Complex	Municipal Offices	7710 W. Saginaw Hwy.	14/3	N 42°44'35" W 84°39'47"	Benjamin Drain	The Grand River
#1B	-	Delta Fire Station No. 1	Fire Station	811 N. Canal Rd.	1/0	N 42°44'35" W 84°39'46"	Benjamin Drain	The Grand River
-	#2A #2B	Delta Township Library	Library/Classrooms/ Meeting Rooms	5130 Davenport Dr.	4/3 2/2	N 42°44'52" W 84°37'13" N 42°44'50" W 84°37'12"	Bollman & Damon Drain	The Grand River
-	#5	Snow Road Ground Water Storage Tank	Ground Storage Tank	209 Snow Rd.	3/0	N 42°43'58" W 84°37'13"	Michigan Ave. Drain	The Carrier Creek
-	#6	Delta Fire Station No. 3	Fire Station	215 Snow Rd.	2/0	N 42°43'57" W 84°37'13"	Michigan Ave. Drain	The Carrier Creek
-	#8	Snow Road Elevated Water Tank	Elevated Storage Tank	495 Snow Road	1/0	N 42°43'43" W 84°37'15"	Michigan Ave. Drain	The Grand River
	#22	Creyts Road Ground Storage	Ground Storage Tank	3110 South Creyts Road	3/0	N 42°42'3" W 84°38'45"	Hunter and Branches Drain	The Grand River
#10	-	Sharp Park	Park	1401 Elmwood Rd.	Overflow Pipe	N 42°44'50" W 84°37'28"	Bollman & Damon Drain	The Grand River
-	#14	Water Operations	Office, Equipment Storage	7812 W. Willow Hwy.	5/0	N 42°45'34" W 84°39'58"	Flow Over Land	The Grand River
-	#15				2/0	N 42°45'25" W 84°39'59"	Flow Over Land	The Grand River
-	#16				2/3	N 42°45'44" W 84°39'56"	Flow Over Land	The Grand River
-	#17	Delta Community Center	Rental Halls/Class Meeting Rooms	7550 W. Willow Hwy.	-	N 42°45'23" W 84°39'42"	Flow Over Land	The Grand River
-	#18	Delta Recycling Center	Building	5717 Millett Hwy	1/0	N 42°41'51" W 84°37'58"	Hunter Drain	The Carrier Creek
-	-	Belaire Hills Lift Station	San. Sew. Lift Stn.	6575 Willow Hwy.	-	-	-	-
-	-	Cambridge Manor Lift Station	San. Sew. Lift Stn.	5626 River Ridge	-	-	-	-
-	-	Delta Center Cemetery	Cemetery	7301 W. St. Joe Hwy.	-	-	-	-
-	-	Delta Enrichment Center	Classrooms/ Meeting Rooms	4538 Elizabeth Rd.	-	-	-	-
-	-	Delta Market Lift Station	San. Sew. Lift Stn.	8432 Delta Market Dr.	-	-	-	-
#20		Delta Mills Canoe Launch	Canoe Launch/Park	6890 Old River Trail	5/1	N 42°45'40" W 84°38'56"		The Grand River
-	-	Delta Mills Park	Park	7001 Old River Trail	-	-	-	-
-	-	East – West Pathway	Non-Motorized Pathway	½ Mile Point Between M-43 & Willow Hwy. Extending From Canal Rd. to Elmwood Rd.	-	-	-	-
-	-	Grand Woods Park	Park	4500 W. Willow Hwy.	4/0	-	River Ridge Drain	The Grand River
-	-	Grand Woods Park	Park	4500 W. Willow Hwy.	Open Ditch	-	Grand Woods Drain	The Grand River

-	-	Grand Woods Park	Park	4500 W. Willow Hwy.	6/9	-	Garlock & Foster Drain	The Grand River
OUTFALL POINT NO.	DISCHARGE POINT NO.	FACILITY NAME	FACILITY TYPE	ADDRESS	# of CBs/STMHs	LATITUDE & LONGITUDE	RECEIVING COUNTY DRAIN	SURFACE WATER OF THE STATE DISCHARGED TO
-	-	Hawk Meadow Park	Park	6160 Delta River Drive	-	-	-	-
-	-	Hillside Cemetery	Cemetery	6415 Delta River Dr.	-	-	-	-
#21	-	Hunter's Park	Park	7242 Old River Trail	1/0-	N 42°45'40" W 84°39'22"	-	The Grand River
-	-	Lake Iris	Park	Iris Avenue	1/0	-	Briggs Drain	The Grand River
-	-	Lootens Park	Park	Willow Hwy.	-	-	-	-
-	-	Mt. Hope Lift Station	San. Sew. Lift Stn.	4100 Old Lansing Rd.	-	-	-	-
-	-	Player's Club Park	Park	925 S. Canal Rd.	1/0	-	Players Club Branch Drain	The Carrier Creek
-	-	River Ridge Lift Station	San. Sew. Lift Stn.	5220 River Ridge	-	-	-	-
-	-	Sharp Park	Park	1401 Elmwood Rd.	1/1	-	Bollman & Damon Drain	-
-	-	Thomas L. Parkway Lift Station	San. Sew. Lift Stn.	426 W. Willow Hwy.	-	-	-	-
-	-	Well No. 4	Municipal Well Site	5735 W. Willow Hwy.	-	-	-	-
-	-	Well No. 5	Municipal Well Site	1707 Elmwood Rd.	-	-	-	-
-	-	Well No. 6	Municipal Well Site	6325 W. Willow Hwy.	-	-	-	-
-	-	Well No. 9	Municipal Well Site	1505 N. Creyts Rd.	-	-	-	-
-	-	Well No. 10	Municipal Well Site	2210 Marstoga Dr.	-	-	-	-
-	-	Well No. 11	Municipal Well Site	1232 Garfield Ave.	-	-	-	-
-	-	Well No. 12	Municipal Well Site	4444 Delta River Dr.	-	-	-	-
#19	-	Willow Canoe Launch	Canoe Launch/Park	6507 Willow Hwy.	3/1	N 42°45'25" W 84°42'36"	-	The Grand River
-	-	Willow Lift Station	San. Sew. Lift Stn.	7170 Willow Hwy.	-	-	-	-

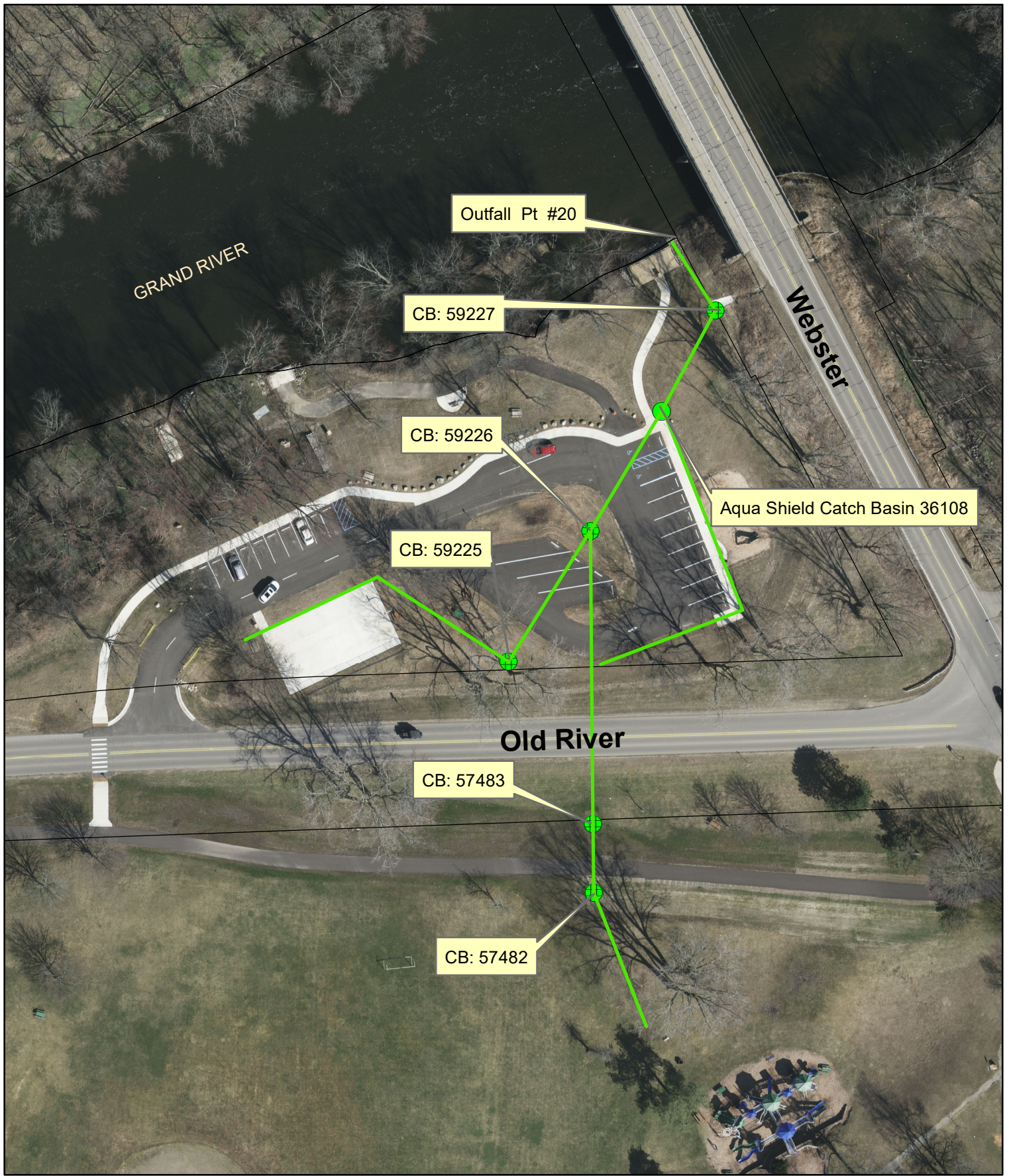
**Note: Previously listed Discharge & Outfall Nos 3, 7, 9, 11, 12 and 13 have been removed because they are under the jurisdiction of the Eaton County Drain Commissioner. Newly identified Discharge & Outfall Nos 14, 15, 16, 17 and 18 are included now because of the update to the urbanized area from the 2010 Census Data. In 2017, previously listed Discharge No 4 was physically removed and the point was eliminated. Outfalls Nos 19, 20, 21 have been added and Discharge Point No 22.



**Willow Canoe Launch
Township Outfall Point No. 19
MAP A-13**



Revised: 03/15/2021



**Delta Mills Canoe Launch
Township Outfall No. 20
MAP A-14**



Revised: 03/15/2021



**Creyts Road Ground Storage
Township Discharge Point No. 22
MAP A-16**



Revised: 03/15/2021

Willow Canoe Launch - Outfall #22

6507 Willow Highway, Grand Ledge, MI 48837

Contact Name: Marcus Kirkpatrick, Parks Director

517-323-8555

POLLUTANT RISK LOW

1. **ACTIVITIES** - in the table below check each activity present at the site and evaluate its potential for pollutant discharge (PPD): 1 = high potential, 2 = medium potential, 3 = low potential.
2. **BMP EFFECTIVENESS** - In the table below provide an effectiveness rating using the provided scale.

	Applicable Activity			Effectiveness Rating*
	Yes	No	PPD	Dropdown menu
A. VEHICLE AND EQUIPMENT FUELING	[]	[X]	[]	
BMPs employed:				
B. VEHICLE AND EQUIPMENT WASHING/STEAM CLEANING	[]	[X]	[]	
BMPS employed:				
C. VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR	[]	[X]	[]	
BMPs employed:				
D. OUTDOOR LOADING/UNLOADING OF MATERIALS	[]	[X]	[]	
BMPs employed:				
E. OUTDOOR CONTAINER STORAGE OF LIQUIDS	[]	[X]	[]	
BMPs employed:				
F. OUTDOOR PROCESS EQUIPMENT OPERATIONS AND MAINTENANCE	[]	[X]	[]	
BMPs employed:				
G. OUTDOOR STORAGE OF RAW MATERIALS	[]	[X]	[]	
BMPs employed:				
H. WASTE HANDLING AND DISPOSAL	[]	[X]	[]	
BMPs employed:				
I. BUILDING AND GROUNDS MAINTENANCE	[X]	[]	[3]	5
BMPs employed: Clean up of grass clippings No irrigation				

- | |
|--|
| *1 No BMPs used and stormwater pollution likely |
| 2 Some BMPs used but not effective |
| 3 Some BMPs used and moderately effective |
| 4 Source control BMPs used and very effective/structural BMPs used |

J. PARKING/STORAGE AREA MAINTENANCE	[X]	[]	[3]	5
BMPs employed: Pavement sweeping as needed Rain Garden treatment Aqua Swirl concentrator prior to outfall				
K. OVER WATER ACTIVITIES	[]	[X]	[]	
BMPs employed:				
L. OTHER (describe)	[]	[X]	[]	

3. TYPE AND QUANITY OF MATERIALS USED

Material	Typical Quantity/Frequency	Is stored Material Likely to Generate Pollution
N/A		

4. HISTORY OF SPILLS AND LEAKS

Is there a chronic history of spills and leaks?	No
Is there no evidence of leaks and drips from equipment and machinery?	No
Is there a spill prevention and response team?	No
Are appropriate spill containment and cleanup materials kept on-site and in convenient locations?	No
Are cleanup procedures for spills followed regularly and correctly?	N/A
Are personnel regularly trained in the use of spill control materials?	Yes

5. NON-STORMWATER DISCHARGES

Outfall directly observed during assessment?	Yes
Are BMPs implemented to prevent, treat, or control non-stormwater discharges?	Yes
Is there potential for non-stormwater discharges (i.e non-stormwater sources observed without BMPs implemented)?	No

6. SIZE OF FACILITY

Total area:	5.39 acres
The impervious area (including parking lot) is:	0.61 acres
	11.3 % impervious

7. PROXIMITY TO RECEIVING WATER

Does the facility discharge directly or adjacent to a 303(d) water body or other environmentally sensitive area?	Yes
--	-----

Creyts Road Ground Storage - Discharge #22

3110 S Creyts Road, Lansing, MI 48917

Contact Name: Rick Kane, Utilities Director

517-323-8570

POLLUTANT RISK LOW

1. **ACTIVITIES** - in the table below check each activity present at the site and evaluate its potential for pollutant discharge (PPD): 1 = high potential, 2 = medium potential, 3 = low potential.
2. **BMP EFFECTIVENESS** - In the table below provide an effectiveness rating using the provided scale.

	Applicable Activity			Effectiveness Rating*
	Yes	No	PPD	Dropdown menu
A. VEHICLE AND EQUIPMENT FUELING	[]	[X]	[]	
BMPs employed:				
B. VEHICLE AND EQUIPMENT WASHING/STEAM CLEANING	[]	[X]	[]	
BMPS employed:				
C. VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR	[]	[X]	[]	
BMPs employed:				
D. OUTDOOR LOADING/UNLOADING OF MATERIALS	[]	[X]	[]	
BMPs employed:				
E. OUTDOOR CONTAINER STORAGE OF LIQUIDS	[X]	[]	[3]	5
BMPs employed: Diesel standby generator has integral double wall tank for containment				
F. OUTDOOR PROCESS EQUIPMENT OPERATIONS AND MAINTENANCE	[X]	[]	[2]	4
BMPs employed: Use of oil dry to absorb and clean up spills				
G. OUTDOOR STORAGE OF RAW MATERIALS	[]	[X]	[]	
BMPs employed:				
H. WASTE HANDLING AND DISPOSAL	[]	[X]	[]	
BMPs employed:				
I. BUILDING AND GROUNDS MAINTENANCE	[X]	[]	[3]	4
BMPs employed: Clean up of grass clippings No herbicide, pesticide or fertilizer application No irrigation				

*1	No BMPs used and stormwater pollution likely
2	Some BMPs used but not effective
3	Some BMPs used and moderately effective
4	Source control BMPs used and very effective/structural BMPs used
5	All necessary BMPs used and very effective

J. PARKING/STORAGE AREA MAINTENANCE	[X]	[]	[3]	4
BMPs employed: Pavement sweeping as needed				
K. OVER WATER ACTIVITIES	[]	[X]	[]	
BMPs employed:				
L. OTHER (describe)	[]	[X]	[]	

3. TYPE AND QUANTITY OF MATERIALS USED

Material	Typical Quantity/Frequency	Is stored Material Likely to Generate Pollution
Diesel fuel	500 gallons stored in generator tank	No

4. HISTORY OF SPILLS AND LEAKS

Is there a chronic history of spills and leaks?	No
Is there no evidence of leaks and drips from equipment and machinery?	No
Is there a spill prevention and response team?	No
Are appropriate spill containment and cleanup materials kept on-site and in convenient locations?	Yes
Are cleanup procedures for spills followed regularly and correctly?	Yes
Are personnel regularly trained in the use of spill control materials?	Yes

5. NON-STORMWATER DISCHARGES

Outfall directly observed during assessment?	No
Are BMPs implemented to prevent, treat, or control non-stormwater discharges?	N/A
Is there potential for non-stormwater discharges (i.e non-stormwater sources observed without BMPs implemented)?	No

6. SIZE OF FACILITY

Total area:	2.7 acres
The impervious area (including parking lot) is:	0.22 acres
	8% impervious

7. PROXIMITY TO RECEIVING WATER

Does the facility discharge directly or adjacent to a 303(d) water body or other environmentally sensitive area?	No
--	----

Hunters Park - Outfall #21

7242 Old River Trail, Lansing, MI 48917

Contact Name: Marcus Kirkpatrick, Parks Director

517-323-8555

POLLUTANT RISK LOW

1. **ACTIVITIES** - in the table below check each activity present at the site and evaluate its potential for pollutant discharge (PPD): 1 = high potential, 2 = medium potential, 3 = low potential.
2. **BMP EFFECTIVENESS** - In the table below provide an effectiveness rating using the provided scale.

	Applicable Activity			Effectiveness Rating*
	Yes	No	PPD	Dropdown menu
A. VEHICLE AND EQUIPMENT FUELING	[]	[X]	[]	
BMPs employed:				
B. VEHICLE AND EQUIPMENT WASHING/STEAM CLEANING	[]	[X]	[]	
BMPS employed:				
C. VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR	[]	[X]	[]	
BMPs employed:				
D. OUTDOOR LOADING/UNLOADING OF MATERIALS	[]	[X]	[]	
BMPs employed:				
E. OUTDOOR CONTAINER STORAGE OF LIQUIDS	[]	[X]	[]	
BMPs employed:				
F. OUTDOOR PROCESS EQUIPMENT OPERATIONS AND MAINTENANCE	[]	[X]	[]	
BMPs employed:				
G. OUTDOOR STORAGE OF RAW MATERIALS	[]	[X]	[]	
BMPs employed:				
H. WASTE HANDLING AND DISPOSAL	[]	[X]	[]	
BMPs employed:				
I. BUILDING AND GROUNDS MAINTENANCE	[X]	[]	[]	5
BMPs employed: Clean up of grass clippings No herbicide, pesticide or fertilizer application No irrigation				

*1	No BMPs used and stormwater pollution likely
2	Some BMPs used but not effective
3	Some BMPs used and moderately effective
4	Source control BMPs used and very effective/structural BMPs used

J. PARKING/STORAGE AREA MAINTENANCE	[X]	[]	[]	5
BMPs employed: Pavement sweeping as needed Vegetated Swale Drainage and Rip Rap Prior to Discharge to River				
K. OVER WATER ACTIVITIES	[]	[X]	[]	
BMPs employed:				
L. OTHER (describe)	[]	[X]	[]	

3. TYPE AND QUANITY OF MATERIALS USED

Material	Typical Quantity/Frequency	Is stored Material Likely to Generate Pollution
N/A		

4. HISTORY OF SPILLS AND LEAKS

Is there a chronic history of spills and leaks?	No
Is there no evidence of leaks and drips from equipment and machinery?	No
Is there a spill prevention and response team?	No
Are appropriate spill containment and cleanup materials kept on-site and in convenient locations?	No
Are cleanup procedures for spills followed regularly and correctly?	N/A
Are personnel regularly trained in the use of spill control materials?	Yes

5. NON-STORMWATER DISCHARGES

Outfall directly observed during assessment?	Yes
Are BMPs implemented to prevent, treat, or control non-stormwater discharges?	No
Is there potential for non-stormwater discharges (i.e non-stormwater sources observed without BMPs implemented)?	No

6. SIZE OF FACILITY

Total area:	25.55 acres
The impervious area (including parking lot) is:	0.42 acres
	1.6% impervious

7. PROXIMITY TO RECEIVING WATER

Does the facility discharge directly or adjacent to a 303(d) water body or other environmentally sensitive area?	Yes
--	-----

Delta Mills Canoe Launch - Outfall #20

Contact Name: Marcus Kirkpatrick, Parks Director

6890 Old River Trail, Lansing, MI 48917

517-323-8555

POLLUTANT RISK LOW

1. **ACTIVITIES** - in the table below check each activity present at the site and evaluate its potential for pollutant discharge (PPD): 1 = high potential, 2 = medium potential, 3 = low potential.
2. **BMP EFFECTIVENESS** - In the table below provide an effectiveness rating using the provided scale.

	Applicable Activity			Effectiveness Rating*
	Yes	No	PPD	Dropdown menu
A. VEHICLE AND EQUIPMENT FUELING	[]	[X]	[]	
BMPs employed:				
B. VEHICLE AND EQUIPMENT WASHING/STEAM CLEANING	[]	[X]	[]	
BMPS employed:				
C. VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR	[]	[X]	[]	
BMPs employed:				
D. OUTDOOR LOADING/UNLOADING OF MATERIALS	[]	[X]	[]	
BMPs employed:				
E. OUTDOOR CONTAINER STORAGE OF LIQUIDS	[]	[X]	[]	
BMPs employed:				
F. OUTDOOR PROCESS EQUIPMENT OPERATIONS AND MAINTENANCE	[]	[X]	[]	
BMPs employed:				
G. OUTDOOR STORAGE OF RAW MATERIALS	[]	[X]	[]	
BMPs employed:				
H. WASTE HANDLING AND DISPOSAL	[]	[X]	[]	
BMPs employed:				
I. BUILDING AND GROUNDS MAINTENANCE	[X]	[]	[3]	5
BMPs employed: Clean up of grass clippings No irrigation				
J. PARKING/STORAGE AREA MAINTENANCE	[X]	[]	[3]	5
BMPs employed: Pavement sweeping as needed Rain Garden treatment Aqua Swirl concentrator prior to outfall				

*1 No BMPs used and stormwater pollution likely
2 Some BMPs used but not effective
3 Some BMPs used and moderately effective
4 Source control BMPs used and very effective/structural BMPs used
5 All necessary BMPs used and very effective

K. OVER WATER ACTIVITIES	[]	[X]	[]	
BMPs employed:				
L. OTHER (describe)	[]	[X]	[]	

3. TYPE AND QUANITY OF MATERIALS USED

Material	Typical Quantity/Frequency	Is stored Material Likely to Generate Pollution
N/A		

4. HISTORY OF SPILLS AND LEAKS

Is there a chronic history of spills and leaks?	No
Is there no evidence of leaks and drips from equipment and machinery?	No
Is there a spill prevention and response team?	No
Are appropriate spill containment and cleanup materials kept on-site and in convenient locations?	No
Are cleanup procedures for spills followed regularly and correctly?	N/A
Are personnel regularly trained in the use of spill control materials?	Yes

5. NON-STORMWATER DISCHARGES

Outfall directly observed during assessment?	Yes
Are BMPs implemented to prevent, treat, or control non-stormwater discharges?	Yes
Is there potential for non-stormwater discharges (i.e non-stormwater sources observed without BMPs implemented)?	No

6. SIZE OF FACILITIY

Total area:	3.28 acres
The impervious area (including parking lot) is:	0.81 acres
	24.7 % impervious

7. PROXIMITY TO RECEIVING WATER

Does the facility discharge directly or adjacent to a 303(d) water body or other environmentally sensitive area?	Yes
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Delta Township

Municipal Separate Storm Sewer System (MS4) Stormwater Program

Progress Report

May 2016 to December 31st, 2020

Submitted to:

Department of Environment, Great Lakes, and Energy



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1.0 General Information

This progress report is being submitted by the Delta Township (Delta Twp MS4-Eaton) in partial fulfillment of the requirements of the Phase II Stormwater National Pollutant Discharge Elimination System (NPDES) Permit No. MI0059725. The permit allows discharges from a municipal separate storm sewer system (MS4). The Michigan Department of Environment, Great Lakes, and Energy (EGLE) requires that a progress report be submitted on the implementation status of the current permit. Though progress reports are typically completed every two years, an error within the previous permit issued in 2013 did not account for delays in reissuance and therefore required reporting up to, not after, 2016. As such, this progress report will account for a longer reporting period between May 2016 and December 31st, 2020.

2.0 GLRC

The GLRC is a guiding body comprised of participating permitted MS4 communities within the Greater Lansing Region. The committee has been established to guide the implementation of the MS4 program for the communities within three identified urbanized watersheds: the Grand River, the Red Cedar River and the Looking Glass River Watersheds.

2.1 GLRC Background

In November 1999, nine communities and three counties in the Greater Lansing Area organized to discuss the Federal Regulations for the Stormwater Phase II Program. The result of this organization was an agreement to pool resources on a regional basis to fulfill the requirements of the program. Initially, based on 1990 census population data, these nine communities and three counties were the only entities in the Greater Lansing Area that were designated to participate in the Phase II “Voluntary Permit Program” by EGLE. Following several meetings of this group during late 1999 and early 2000, a resolution was drafted to establish the “Greater Lansing Area Regional NPDES Phase II Stormwater Regulations Committee” and representatives from each jurisdiction were named to serve on the committee.

Soon after the organization of the Committee in 2000, the Tri-County Regional Planning Commission (TCRPC) began to assist the committee in providing contractual, fiduciary, and administrative support. Tetra Tech was selected to produce a permit strategy study, and later to prepare the Voluntary Grant Permit Applications for each community. Again in 2002, Tetra Tech was retained to prepare watershed management plans (WMPs) for the Grand River and Red Cedar River watershed areas and would later prepare a WMP for the Looking Glass River watershed area.

Based on the increased population data following the release of the 2000 Census, ten additional communities were designated to meet the stormwater MS4 requirements under Federal and State regulations. Ultimately, seventeen communities and the three counties agreed to participate in a regional approach until April 30, 2008. Most recently the GLRC’s Memorandum of Agreement (MOA) was updated to align with the current permit cycle. The updated MOA was adopted by GLRC members and therefore establishes the GLRC legally

through April 30, 2022. There are also a number of interested parties that are consistently involved with the planning activities associated with this program such as park, conservation districts, utility authorities, and transportation authorities. The participating communities recognize the substantial benefits that can be derived through cooperative management of the watersheds and achieve the MS4 permit requirements.

2.2 GLRC Members

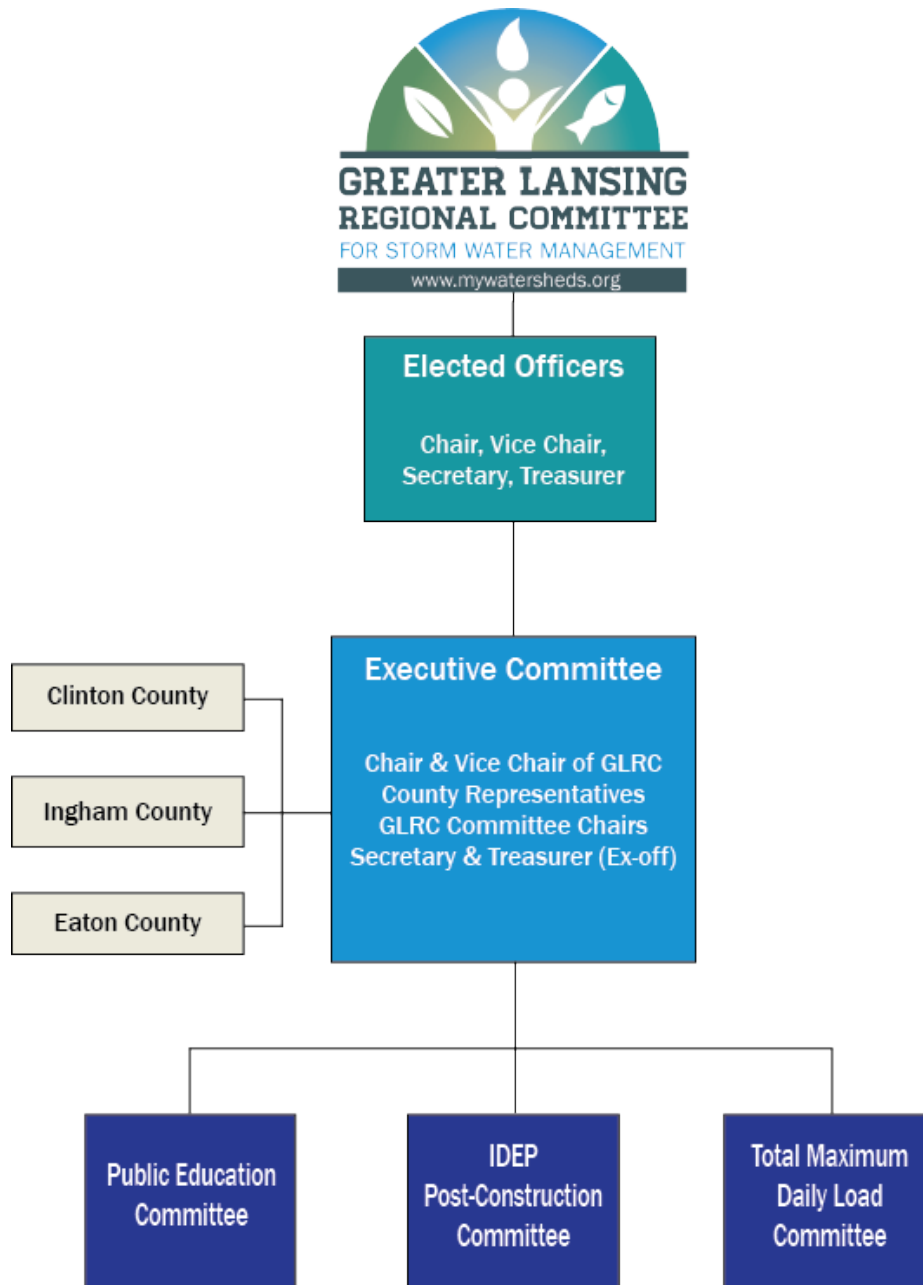
The participating MS4 entities that currently make up the GLRC are as follows:

- City of DeWitt
- City of East Lansing
- City of Grand Ledge
- City of Lansing
- City of Mason
- Delhi Charter Township
- Delta Charter Township
- DeWitt Charter Township
- Lansing Charter Township
- Meridian Charter Township
- Lansing School District
- Waverly Community Schools
- Clinton County
- Clinton County Road Commission
- Eaton County
- Ingham County
- Michigan State University

2.3 GLRC Organization

Within the GLRC, a number of committees have been established to guide various components of the MS4 program. Other committees may be established as needed throughout the course of the program. A list of the committees including a brief description of their responsibilities follows.

GLRC organization effective December 5th, 2019 - current



Executive Committee

The GLRC Executive Committee is comprised of a maximum of eight voting members consisting of the Chair and Vice Chair of the GLRC, one representative from each of the three counties, and the chairs of the Illicit Discharge Elimination Program (IDEP)/Post-Construction Committee,

Public Education Program (PEP) Committee, and Total Maximum Daily Load (TMDL) Committee. The Executive Committee meets five times a year and the Full Committee meets twice a year.

Public Education Program (PEP) Committee

The PEP Committee guides the overall public education, participation, outreach, and involvement process. This also includes evaluation of the program and assessment of public knowledge and activities.

Illicit Discharge Elimination Program (IDEP) / Post-Construction Committee

The IDEP/Post-Con Committee guides the organization and implementation of the Illicit Discharge Elimination Program, mapping guidelines, field-sampling protocols, and how the watershed will be monitored for progress, as well as advises on matters regarding Post-Construction measures. The Committee has reviewed and provided recommendations related to pet waste reduction techniques, septic tank maintenance issues, staff training, as well as channel protection and TSS removal practices.

Total Maximum Daily Load (TMDL) Committee

Makes recommendations regarding the Grand River and Red Cedar River E. coli Total Maximum Daily Load (TMDL) requirement. The committee provides education and updates to GLRC members to assist in the development and implementation of TMDL programs.

2.4 Watershed Partnerships and Related Efforts

Middle Grand River Organization of Watersheds (MGROW)

MGROW is an outgrowth of the Grand River Expedition 2010, founded in 2011 and established as a 501c3 in February 2012. MGROW is striving to bring together local communities, watershed groups and other stakeholders in the Middle Grand River Watershed to build a greater understanding of and stewardship for our water resources. MGROW's mission: *To protect and preserve the history and the natural resources of the Middle Grand River Watershed by promoting education, conservation, restoration, and wise use of watershed resources.* While the Upper Grand River Watershed Alliance (Jackson area) and the Lower Grand River Organization of Watersheds (or LGROW, in the Grand Rapids area) assist local watersheds in their respective regions, serving as umbrella organizations to network and share ideas with local watersheds, the Middle Grand River Watershed has been without such support until the formation of MGROW. Local watersheds and program administrators in the MGROW area include: Friends of the Looking Glass River; Friends of the Maple River; Friends of the Red Cedar; GLRC; local conservation districts; Michigan State University Institute of Water Research (MSU-IWR); TCRPC and Mid-Michigan Environmental Action Council (Mid-MEAC). These groups have been operating independently from one another but have been exploring avenues for collaboration.

The GLRC Coordinator continues to work with MGROW to identify collaborative opportunities related to education, recreation and monitoring and the GLRC Coordinator serves on the board of MGROW. Visit <http://www.mgrow.org/> for more information on this valuable partner.

Water Trail Planning/Grand River Partnership

The GLRC Coordinator assisted MGROW with the development of the DNR designated Middle Grand River Water Trail and associated materials, with the goal of inspiring new watershed stewards through recreation. The GLRC Coordinator also participates in the Grand River Partnership, a group composed of LGROW, MGROW, and Upper River Watershed Alliance who work together to promote watershed wide educational opportunities, collaborate on watershed protection, and collaborate on a headwaters to Lake Michigan paddle trail planning effort. Most recently, the group led the planning effort for the (since postponed) 2020 Grand River Expedition and are planning for virtual/socially distant opportunities to engage residents in watershed-based activities in 2021.

Looking Glass River Watershed Efforts

Friends of the Looking Glass River Watershed Council host local paddling events and log jam clean ups. The GLRC partners on related events and activities to promote recreation and awareness of the river. In late 2020, a surge of new members and leaders have inspired new activity and programming. The GLRC has met with leadership to discuss the role of the GLRC, the two group's history of partnership, and the educational resources available at GLRC. The GLRC has also submitted letters of support for grant proposals seeking to establish river clean up events for citizens of the watershed. The two groups are currently exploring further opportunities for partnering.

Red Cedar River Watershed Efforts

In 2019, the Friend of the Red Cedar River formed and brought a stakeholder group of river residents, paddlers, and governments together to promote watershed stewardship and recreation. The GLRC Coordinator assisted the group with early organizational efforts and provided guidance on Red Cedar River water trail effort with the goal of inspiring new watershed stewards and educational opportunities through water-based recreation.

Maple River Watershed Efforts

While outside of the urban area, the GLRC partners with Maple River stakeholders in their watershed planning efforts. The GLRC Coordinator sits on the Upper Maple River non-point Source Steering Committee as well as the Stony Creek Planning Project, a tributary of the Maple.

Dam Removal Exploratory Group

The GLRC Coordinator participates with a group of watershed stakeholders exploring feasibility of removing Lansing's two dams, advising on possible green infrastructure solutions to post-removal riparian restoration.

Smart Management of Microplastics Pollution

Smart Management of Microplastic Pollution in the Great Lakes is an initiative aimed at reducing microplastic pollution in communities surrounding the Great Lakes. Based out of Wayne State University, the project team selected two communities (Williamston and Pontiac) to pilot projects aiming to monitor, detect, and reduce microplastics in stormwater runoff and drinking water. The GLRC Coordinator is on the Steering Committee and assists with the development of outreach efforts.

Capital Area Sustainability Partnership

In 2021, a group of regional stakeholders began meeting to discuss sustainability and climate change planning efforts. The GLRC Coordinator, through the capacity of planner at the Tri-County Regional Planning Commission, has assisted in the facilitation of these regional discussions and helped include stormwater management as a focus of these conversations. The GLRC Coordinator has also leveraged GLRC connections to bring watershed partners into this planning effort.

3.0 Implementation Committee Reports

3.1 PEP Committee (including individual community activities)

The PEP Committee met on the following occasions:

April 26th, 2017
August 10th, 2017
March 21st, 2018
May 22nd, 2018
October 22nd, 2018
May 17th, 2019
November 23rd, 2020
January 20th, 2021

Committee Activities:

Regional Water Quality Survey – As stated in previous progress reports, the survey results continue to be used as a tool for the PEP Committee regarding all educational efforts and public participation. Surveys were conducted in 2006, 2012, and 2018. The surveys provide comparison data; demonstrating where we have made progress through our educational efforts and identifying areas that need improvement. This is used to craft and evaluate the success of our PEP BMPs. The survey results can be found on the GLRC website here: <http://mywatersheds.org/resources/publications/>

Pollution Isn't Pretty (PIP) - Originally funded by TCRPC's Mid-Michigan Program for Greater Sustainability, MGROW has facilitated the use of the water resource education campaign titled: Pollution Isn't Pretty. The PIP campaign was professionally designed and is being used consistently across the region. The campaign is currently owned and housed by MGROW. In late 2020, an error at the web hosting firm caused the web content to be deleted, and MGROW offered to redirect the website to the GLRC's website. Now, existing materials, including the roughly 250 pet waste trail signs throughout the region, will direct to the GLRC's "For Residents" page. The GLRC will continue to financially maintain the Pollution Isn't Pretty domain. Partners from throughout the watershed, including the GLRC, distribute materials from this campaign and with the domain. See: <http://www.pollutionisntpretty.org>

The following GLRC members have placed the Pollution Isn't Pretty signs in their communities: Lansing Charter Township (3), City of East Lansing (20), Ingham County Parks (5), Clinton County Parks (2), DeWitt Charter Township (3), Meridian Charter Township (4), City of Lansing (5), City of Grand Ledge (4), and MSU (1). Several signs have also been placed on the Lansing River Trail.



Pet waste signs are through Delta Township's parks/trails.

Watershed Signage – With the help of local road commissions, signage was placed along roads to indicate watershed boundaries to passing vehicles, cyclist, and pedestrians. These were installed between 2005-2006 but are maintained indefinitely.

Delta Township has watershed signage, and it is being maintained indefinitely.



GLRC Exhibit Display – The traveling exhibit display was developed in 2008 and has been used extensively at local workshops, conferences, community lobbies, etc. When the display is not being used for a special event, it travels throughout the region at GLRC member offices. The GLRC display panels were redesigned in 2014 to incorporate the PIP campaign, and in 2017 a scroll style “pop up” banner was developed that could be utilized in more places, like outdoor events. It was designed with a header titled “We All Live In A Watershed” in order to address survey results that indicate many residents don’t know that they live in a watershed. In 2019’s Public Education Plan update, most GLRC members agreed to display the scroll style banner in their lobbies (or other public place, like a library) for 2-3 weeks each year*. Multiple communities purchased their own scroll banners to display for longer periods. In addition to the display itself, copies of GLRC publications and watershed brochures are handed out to interested parties.

*Due to the Covid-19 pandemic, display use at lobbies and public events was temporarily replaced with digital PEP BMPs, per the GLRC PEP Amendment submitted in summer 2020.

Enviroscape – In late 2017, the GLRC purchased an Enviroscape Watershed model, a hands-on, interactive demonstration of the sources and impacts of stormwater pollution. It is utilized at events where time and setting allow. The GLRC also frequently partners with EGLE at events and utilizes their interactive floodplain model.

The GLRC displays and Enviroscapes unit have been utilized by the GLRC Coordinator and members. See the detailed list of the display usage in the attached Appendix A.

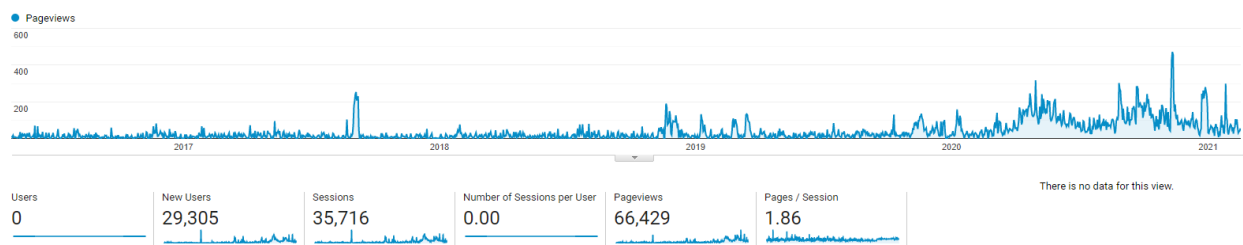


GLRC Website www.mywatersheds.org – The public website for the GLRC is maintained and updated on a regular basis. The website includes a significant amount of information relating to watersheds, stormwater stewardship, GLRC reports, educational information, links to other environmental organizations and much more. All public education outreach materials direct the viewer to our website so we can further educate them about pollution prevention. The website was updated in the spring of 2017 and again in 2020. The most recent update was driven by survey data. Survey results indicated that many residents do not realize they live in a watershed, prompting the GLRC to include “EVERYONE LIVES IN A WATERSHED” as the home page header as the first thing visitors see. Results also indicated that residents prefer learning about environmental issues from videos, prompting the GLRC to create and embed a suite of videos within the homepage.

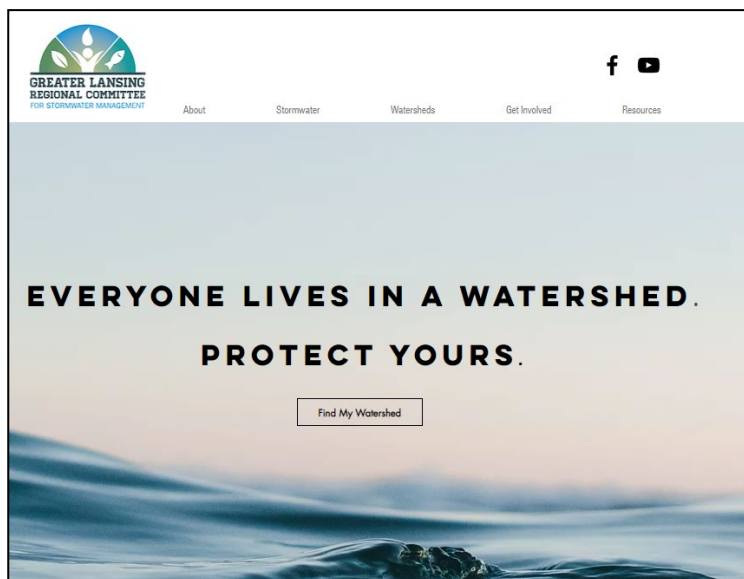
The PEP Committee reviews the website stats on a regular basis. There have been nearly 42,000 total hits on the website since its 2017 redesign, as indicated by the “ticker” at the bottom of the webpage. Google Analytics show a total of 63,549 page views and 28,315 users within the Progress Reporting period, including usage spikes surrounding the 2017 and 2020 website redesigns. There has been a significant increase in website traffic with the new website re-

designs and our continued multimedia approach. These demonstrate that our efforts to appeal to wider audiences have been successful.

- May 2016 – December 2016: 1,600k page views
- 2017: 6,150 pageviews
- 2018: 7,171 pageviews
- 2019: 9,977 pageviews
- 2020: 37,031 pageviews



The committee also tracks traffic to individual pages to monitor the strength of individual pages and interpret what information resonates well. Since the 2017 redesign, our “Rain Garden 101” page is by far the most popular. More planting guides and suggestions were added to supplement this page based on this feedback. Our “Stormwater Basics” and “What’s a Watershed” pages received a total of 10,298 visits during the reporting period.



https://www.deltami.gov/departments/engineering/delta_township_stormwater_management.php

DELTA TOWNSHIP STORMWATER MANAGEMENT

Stormwater runoff is created when rain falls on pavement, buildings, and other impervious surfaces that do not allow water to soak into the ground. In developed areas like Delta Township, we limit flooding by moving this runoff from our roads, parking lots, and neighborhoods through storm drains which discharge directly into rivers and streams. Since the discharge from separate storm sewer systems does not get processed at a treatment plant, any contaminant on the ground can “hitch a ride” with runoff and impact our shared surface waters. Pet waste, oil, leaves and dirty water from cleaning your car can enter storm drains and flow downstream where it harms aquatic habitats and makes water unsafe for swimming, canoeing and other water-related activities. The Township takes steps to reduce this pollution to improve water quality and to meet State and Federal requirements.

Per these requirements, the Township must apply for a stormwater discharge permit every five years. A large part of that application consists of a description as to how the Township will commit to and proceed with the development, implementation, and enforcement of practices to reduce the discharge of pollutants from its municipal separate storm sewer system to the maximum extent practicable. This documentation was formally designated as Delta Township’s Stormwater Management Plan, which is located below for public review and input.

To help facilitate a regional approach to stormwater management, the Township is also a member of the Greater Lansing Regional Committee (GLRC) for Stormwater Management, a guiding body comprised of Municipal Separate Storm Sewer System (MS4) communities within the Greater Lansing Region. The committee has been established to guide the implementation of the stormwater program for participating communities within the Grand River, the Red Cedar River and the Looking Glass River watersheds.

Visit MyWatersheds.org to learn about upcoming events, find steps you can take to limit water pollution, and to get involved in managing our shared water resources!

If you have questions or comments regarding the Township’s stormwater management plan, please contact Ernie West P.E., Township Engineer in the Delta Township Engineering Department at engineer@deltami.gov or 517-323-8540.

Illicit Discharge

An illicit discharge is defined as any discharge to the municipal separate storm sewer system that is not composed entirely of stormwater, except for discharges allowed under an NPDES permit or waters used for firefighting operations. Many of these non-stormwater discharges occur due to illegal connections to the storm drain system from commercial, residential, and other establishments.

Illicit discharges and dumping allow contaminated wastewater into our local waterways without receiving any treatment. Such activities may be intentional, but also may be unknown to the property owner. Some examples of illicit discharges or dumping are failing

septic systems, improper disposal of sewage from recreational vehicles, illicit connections of sanitary sewer lines to the storm sewer system, or the cleaning of pool filters, paint brushes, and vehicles in a driveway or street.

Please help us protect the Grand River and other watersheds by reporting illicit discharges and dumping into Eaton County and Delta Township stormwater sewer systems. You may call the Eaton County Drain Commissioner's Office at 517-543-3809 or the Delta Township Engineering Department at 517-323-8540. You may also contact the Michigan Department of Environmental Quality's Pollution Emergency Alerting System (PEAS) at 800-292-4706.

[There were no reports/comments received during the reporting period.]

GREATER LANSING REGIONAL COMMITTEE FOR STORMWATER MANAGEMENT

The [Greater Lansing Regional Committee for Stormwater Management \(GLRC\)](#) is a guiding body comprised of participating Phase II Stormwater communities within the Greater Lansing Region. The committee has been established to guide the implementation of the entire Phase II Stormwater Program for the communities within three identified watersheds: the Grand River, the Red Cedar River, and the Looking Glass River watersheds. For more information related to the Phase I & II Programs, visit the [Michigan Department of Environment, Great Lakes, and Energy website](#).

Reports & Programs:

[GLRC Annual Report](#)

- [GLRC Quarterly Newsletters](#)
- [Delta Township MS4 Stormwater Progress Report](#)
- [2020 Delta Township Stormwater Management Plan](#)
- [Delta Twp NPDES Permit MS4-Eaton](#)

Press Releases:

[Greater Lansing Regional Water Quality Survey Final Findings Report](#)

Following is more information on what we are doing and how you can help:

[Greater Lansing Regional Committee Official Memo](#)

Pollution Prevention Tips

Want to learn more about how you can protect our waterways at your home, school, or business? Check out these articles, brochures, and flyers and feel free to print and post them at your workplace or classroom!

- [Educational Articles](#)
- [GLRC Brochures](#)
- [Business and Construction Stormwater Flyers](#)

Visit the GLRC website at www.mywatersheds.org for more materials like these and to discover what watershed you live in, and other pollution prevention tips!

Other information:

[Michigan Department of Environment, Great Lakes, and Energy \(EGLE\)](#)

[Tri-County Regional Planning Commission \(TCRPC\)](#)

[TCRPC Environmental Planning](#)

[Delta Township Recycling Center](#)

[Eaton County Recycling & Hazardous Material Disposal](#)

[RV Dumping Sites](#)

Website traffic for Delta Township's Stormwater page:

May 2016 to December 2016 = 115

January 2017 to December 2017 = 114

January 2018 to December 2018 = 346

January 2019 to December 2019 = 204

January 2020 to December 2020 = 268

Subpages --

For Residents Webpage – This page was developed on the website to allow GLRC members and the public to review files for education purposes. These files include brochures, posters, articles, seasonal tips, and other information to educate residents on stormwater pollution prevention. Per survey results, an emphasis is placed on video content and it is located near the top and in focus. Previous iterations were titled “For Homeowners” but that was determined to be too limiting. All residents, not just homeowners, can play a role in watershed protection.

FOR RESIDENTS

All of us play a role in keeping our watersheds healthy! Check out these GLRC resources to learn what you can do to reduce stormwater pollution.

- Always conserve and reuse water wisely.
- Soil test before you apply fertilizers. Use low or no-phosphorus fertilizers.
- Use native vegetation and reduce turf grass.
- Capture and reuse rainwater to control stormwater runoff.
- Dispose of pet waste properly.
- Wash your car at a car wash facility (or on a lawn) instead of pavement.
- Maintain all vehicles, eliminating leaks and spills.
- Recycle and dispose of household chemicals properly.
- Regularly inspect and maintain onsite septic systems.
- Join a watershed organization.

Stormwater Management (00:40)

Fertilizer (01:00)

Rainwater (01:00)

The Greater Lansing Regional Committee for Stormwater Management (02:01)

People love their lawns (01:04)

Picking Up After Pets for Clean Water (01:00)

For Educators Webpage – The PEP Committee maintains a webpage on the GLRC website for educators in the region. The page serves as a resource guide for local teachers, workshop leaders, or anyone interested in environmental education. State and federal environmental curriculum is highlighted as well as links to lesson plans. It includes resources and example projects that the schools can integrate into their current activities. The webpage also serves as a toolbox for teachers and school district officials that are required to meet MS4 permit requirements. This page continues to be updated on a regular basis. At the beginning of the Covid-19 pandemic, this website was updated with multiple at-home-learning lessons to assist parents and teachers with finding lessons and activities suitable for remote learning.

For Members Webpage – The GLRC developed a For Members webpage in 2019 to house relevant documents and information for municipalities. There is particular focus on making it easier to view and use digital PEP materials and request physical resources for outreach events.

Be Septic Smart Webpage – The GLRC developed a septic focused webpage to house info on septic systems, time of sale programs, and our septic focused video.

Rain Garden 101 – Our most popular webpage, Rain Garden 101 includes manuals, videos, and planting resources to help homeowners plan and install their own native plant rain garden. It was developed and continuously improved during this reporting cycle. GSI focused webpages received over 16,000 views during the reporting period.

Local Green Infrastructure Projects -- This page was added to highlight Lansing area GSI projects and includes the video clip developed as part of the Greening Mid-Michigan project. It has 270 views during the reporting period.

Household Hazardous Waste Calendar – Respondents to the GLRC survey indicated that they were not utilizing household hazardous waste sites because they didn't know where they were. In response, the GLRC created a webpage dedicated to these resources. It includes an event calendar and information on disposal in the tri-county area. This received 1,395 views during the reporting cycle.

Reporting Webpage – To simplify the GLRC's shared outreach efforts, MyWatersheds.org/REPORT was created to house the IDEP reporting information for all members. This allows the GLRC to easily promote a one-stop reporting resource to the region's residents in a simple, easy to remember domain. The IDEP and reporting webpages received a total of 379 visits during the reporting period.

Event Calendar– The committee is continuously updating the GLRC calendar with applicable meetings, webinars, educational opportunities, and recreation and cleanup activities throughout the watersheds.

Website Mock Audits – The GLRC Coordinator continuously reviews members' websites and recommends improvements, and every GLRC member underwent a "mock audit" of their digital BMPs, starting in late 2017 through 2019. During these exercises, the GLRC Coordinator reviews municipal websites for PEP compliance and guides updates as needed to meet permit commitments. In addition, the GLRC Coordinator met with the stormwater and communications staff to share information on the MS4 program and its requirements, as well as the PEP resources available to them via the GLRC. These in-person trainings occurred as indicated below:

Lansing Township	Sam Shultz	12/14/2017
Grand Ledge	Hannah Bowman	2/13/2018
Meridian Township	Deb Guthrie, Erin Cornett	3/15/2018
Ingham County Drain Commission	Angie Cosman, Emily Short, Paul Pratt, Jamie Dixon	3/26/2018
Delta Township	Jennifer Bernardin, Erica Gupton	3/28/2018
Lansing Schools	Kattie White, Jenna Erbele	5/10/2018

Mason	Dana Martin, Jeff Rewerts, Sam Bibler	8/28/2018
Eaton	Eric Diebel, Ruth-Ann Clark	8/29/2018
Clinton	Lynn Cech, Dean Morton, Phil Hanses	8/28/2018
Lansing	Alec Malvetis, Natalie Singer	12/16/2019

Educational Articles – The PEP Committee continues to use and promote a series of news articles. They are posted on the GLRC website so GLRC members can easily access them to periodically include in their local community newspapers. They are also located in the “For Residents” page and included in each quarterly newsletter. The articles cover the following topics:

<i>What is a Watershed?</i>	<i>Pet Waste and the Environment</i>
<i>Riparian Buffers</i>	<i>Storm vs. Sanitary Sewer</i>
<i>Car Washing Article</i>	<i>Illicit Discharge</i>
<i>Adopt Your Catch Basin</i>	<i>Safe Fertilizer Use</i>
<i>Vehicle Maintenance</i>	<i>Wetlands: an Overview</i>
<i>Septic System</i>	<i>Maintenance</i>

The articles are updated periodically for content and design updates, most recently in 2020.

A suggested timeline for seasonal articles is also provided.

Throughout the permit cycle these articles were used in the monthly Talk of the Township publication in Delta Township, for example Pet Waste and the Environment with Storm vs. Sanitary Sewer was published in August of 2020. In addition a tracking sheet for educational brochures distributed from Delta Township is located in Appendix F.

GLRC Media Toolkit – In fall of 2020, the GLRC developed a Media Toolkit for members and their communications staff. It was designed to clearly illustrate the content available for municipal newsletters, social media, and other outreach and provide “plug and play” language. Municipal communications staff often lack the technical knowledge or time to craft stormwater related content, but the Media Toolkit features 71 pages of resources that they can pull from and customize to their needs. This reduces the barrier to frequent stormwater related outreach.

Press Releases – A suite of press release templates were developed in 2020. Covering Pet Waste, Soil Erosion, Industrial Facilities, and Dumpster/Trash BMPS, they are structured as customizable news articles for inclusion in community newspapers or municipal newsletters.

Adopt A River – The GLRC display was part of the environmental fair at the Adopt A River events held in May of 2016 through 2019. The 2020 Event was canceled due to the Covid-19 pandemic. The Envirosapes Watershed model was an activity added to make the public interaction more hands on. The GLRC was also included in the Passport, which encouraged

participants to visit all booths of the environmental fair to be entered in a drawing for prizes, etc. Over 500 residents participate in this event each year.

MSU Science Festival – The MSU Science Festival is an annual month-long educational event hosted by Michigan State University. The GLRC participates in the Festival’s EXPO Day, utilizing the Enviroscapes Watershed model, handing out brochures, and speaking with children and families. EXPO Day draws 7,000 people each year, though it was cancelled in 2020 due to the Covid-19 pandemic. The GLRC participated in 2018 and 2019 and will continue to do so as the event returns.

Presentations – The following presentations were given by the GLRC Coordinator within the reporting period:

- May 24th, 2017: Presented new MyWatersheds.org website and materials to TCRPC Board of Commissioners.
- June 23rd, 2017: Interviewed by HOMTV. Discussed stormwater and pollution prevention.
- August 14th, 2017: Presented on stormwater/GLRC to the Lansing Exchange club, a local business and civic fraternal organization. Roughly 35 people attended.
- November 7th, 2017 – presented to local Brownies (Girl Scout) troop and used Enviroscapes Watershed exhibit.
- February 14th, 2018: Presenting on stormwater and GLRC to the TCRPC Program Committee (6 commissioners).
- February 28th, 2018: Presented on stormwater program and GLRC at TCRPC commission orientation (5 commissioners).
- April 23rd, 2018: Interviewed by HOMTV for Earth Day, providing an overview of Pollution Isn’t Pretty and stormwater pollution prevention.
- May 19th, 2018: Presented to participants at Ingham Conservation District’s rain barrel workshop. Provided overview of GLRC and stormwater pollution prevention. Roughly 20 participants were in attendance.
- June 27th, 2018: Participated at MSU’s Grand Parent’s University. Presented to two classrooms of grandparents and their grandkids on stormwater pollution prevention and watersheds. Passed out 50 rain garden seed cards to attendees.

- November 20th, 2018: Shared yearly GLRC highlights and annual reports with the East Lansing Commission on the Environment (9 commissioners).
- December 4th, 2018: Presented to MWEA's Stormwater Summit on the GLRC's digital PEP efforts. Roughly 125 people attended.
- February 7th, 2019: Guest speaker at the Eaton Conservation District Annual Dinner. Presented to 100 attendees about the GLRC and stormwater pollution prevention and hosted a trivia game with water-based questions.
- February 26th, 2019: Shared yearly GLRC highlights and annual reports with the East Lansing Commission on the Environment (9 commissioners).
- March 25th, 2019: Presented to audience at MGROW's annual meeting. Discussed GLRC and stormwater pollution prevention. Roughly 75 people attended.
- February 19th, 2019: Presented on stormwater program and GLRC at TCRPC commission orientation (6 commissioners).
- October 8th, 2019: Guest lectured two classes at Olivet College. Classes were 80 minutes each, covering the history of the Phase II program, the GLRC, and pollution prevention tips. The interactive Envirosapes watershed model was utilized. 50 students total were in attendance.
- December 6th, 2020: Participated in MGROW's Wild and Scenic Film Festival, providing a 3 minute presentation between films about the GLRC, our website, and pollution prevention. 300 people were in attendance.
- Throughout 2020, the GLRC Coordinator attended most of Meridian Township's weekly Wednesday Environmental Networking meetings. Township residents interested in environmental issues meet for free-flowing discussion. The GLRC Coordinator provides regular updates on Committee activities to this group and helps connect them with regional resources.

GLRC Annual Report – The first GLRC Annual Report was developed in early 2012 (reporting on 2011). The intent of the report is for GLRC members to share it with their boards, councils, and commissions in order to demonstrate the work that has been done throughout the year. TCRPC also shares the report with TCRPC Commissioners, subscribers to our newsletter, and on the website. The effort continues with reports developed through 2021 (reporting on 2020).

The following table indicates the annual report mailing to the GLRC newsletter subscriber list. These recipient numbers reflect members of the public who have volunteered to receive these updates, not partner/governmental contacts. This list has seen consistent growth.

Edition	Date Sent	Number of Recipients
2017	2/23/2018	44
2018	2/7/2019	150
2019	1/31/2020	275
2020	1/26/2021	525

GLRC Quarterly Newsletters – The GLRC began publishing quarterly newsletters in January 2010 and continues to do so. The newsletters are posted on the GLRC and TCRPC websites and are shared through an email distribution list of over 500 stakeholders. It is recommended that GLRC members share the newsletters with elected officials and appropriate boards, councils, and commissions.

Edition	Date sent	Number of Recipients
Fall 2017	11/1/2017	42
Winter 2018	2/23/2018	44
Spring 2018	4/20/2018	52
Summer 2018	7/23/2018	77
Fall 2018	10/31/2018	95
Winter 2019	2/7/2019	150
Spring 2019	4/29/2019	175
Summer 2019	7/17/2019	200
Fall 2019	10/28/2019	200
Winter 2020	1/31/2020	275
Spring 2020	5/11/2020	294
Summer 2020	7/16/2020	300
Fall 2020	10/21/2020	305
Winter 2021	1/26/2021	525

The newsletters are printed and posted in the lobby of the Delta Township Administration Building, in addition to being shared with the Board of Trustees and Staff.

GLRC Fact Sheet – A fact sheet describing the Phase II program and purpose of the GLRC was created in 2017 to help community leaders quickly understand the requirements of the program and how the GLRC helps meet them. This is distributed with annual reports, dues

invoices, and to new TCRPC Commissioners to help those in leadership roles understand their municipality's responsibilities and the GLRC resources available to them.

Social Media – The GLRC joined Facebook and Twitter in December 2009. Regular posts/updates are related to watershed stewardship, public involvement, and participation. GLRC and partner events are also posted frequently. Currently 1,335 people “like” the GLRC on Facebook (an increase of since 1,176 since 2013) and we have 389 “followers” on Twitter (an increase of 74 since 2016). The committee places heavy focus on the use of paid advertising on Facebook to spread our messaging. These tools allow the GLRC to target residents within the urban area and ensure that we are reaching people who do not already interact with our page. Our reach and influence have grown tremendously since adopting this approach. Since May 2016, our posts have “reached” over 1.8 million times and resulted in almost 3.1 million impressions, all within the urban area due to geo-targeting. Purchasing ad space diversifies the placement of the outreach material as well. Our post are not limited to our page, but are displayed on Instagram, Facebook Marketplace, and in the sidebar of Facebook (in addition to the “News Feed.”

The GLRC has committed to utilizing paid advertising from the central, shared GLRC account rather than commit to social media responsibilities of individual members. The paid posts cover each required PEP topic, and the GLRC has dedicated over \$20,500 in funding to these paid educational promotions in the reporting period.

See our pages here: <https://www.facebook.com/GLRC4stormwater/> and <https://twitter.com/GLRC4stormwater>.

Delta Township Facebook page includes stormwater related content.

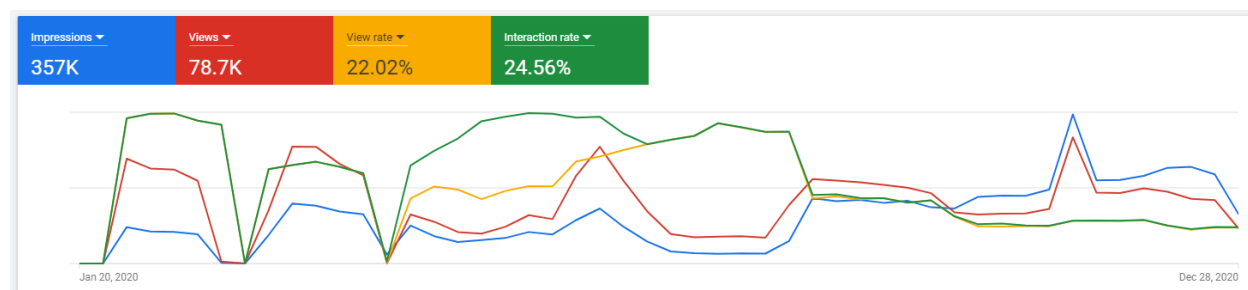
YouTube -- Survey results indicated that respondents prefer learning about environmental issues through video. As such, the GLRC invested in a suite of videos for inclusion on the website, Facebook, and YouTube. One video is two minutes and explains the GLRC and basic stormwater pollution prevention, other videos cover the required PEP topics. Most topics have two videos: one that is roughly 60-90 seconds and one that is under 15 seconds, as 15 seconds is the maximum length of a non-skippable ad. The GLRC pays to promote these videos as “pre-roll” advertisements on YouTube, utilizing both the short, non-skippable ads and traditional skippable ads. While Google indicates that a “good” view rate is 15%, the GLRC’s is 22%, indicating that nearly a quarter of users presented our videos are watching them. Data also indicates that many users continue to watch our pre-roll advertisements even when given the option to skip ahead to their intended video.

Most encouraging is YouTube’s ability to expand our audience demographic. While Facebook Analytics indicate that content is reaching an older, more female audience, a quarter of our YouTube views are from young men. Our multimedia approach is meeting our residents where they are and ensuring our outreach material has a broad reach. It also helps us diversify the

places our ads display. Due to YouTube TV and the use of “casting”, over 25% of viewers are viewing from Television screens. And because Google owns YouTube, these ads show up throughout the Google ecosystem and any website that uses Google Ads, not *just* YouTube. Find the channel here: https://www.youtube.com/channel/UCm-2OdB67N_dSAnR5osYSFw

*During Covid-19, the GLRC Coordinator and GLRC members were unable to satisfy in-person outreach events. In summer 2020, GLRC members submitted a PEP amendment to replace in-person PEP BMPs with a commitment to fund YouTube ads.

The GLRC began utilizing these YouTube ads at the beginning of 2020. The following reflects ad statistics from Jan 1st to Dec 31st, 2020:



Dog Calendar Contest – One of our most successful outreach initiatives, the annual Dog Photo Calendar Contest, offers residents a chance to see their dog as a month’s feature photo and win a pet store gift card. In order to enter, contestants must read about pet waste’s impact on water quality and pledge to pick up after their pets. The GLRC launched the first contest in 2018 and it has grown each year, with between three and four hundred entries each.

The submittal form includes an option for entrants to subscribe to the GLRC newsletter, allowing us to continue to reach these new contacts and engage them in our messaging in the future. The following indicates the number of newsletter signups resulting from each contest.

2018: 107 signups
2019: 75 signups
2020: 118 signups

New Brochures – In late 2018 and early 2019, the GLRC redesigned its suite of brochures and added Green Infrastructure as an additional topic. Redesigned tri-fold brochures also include Pet Waste Management, Fertilizer and Lawn Care, Responsible Car Washing, Motor Oil Management, and Do You Know Your Watershed? These are distributed at events and lobbies. The GLRC Coordinator distributed 1,188 brochures at events during the reporting period. The brochures were also available on GLRC webpages that received 715 views. The following reflects distribution of brochures related to individual required PEP topics.

- Topic A: 352 brochures distributed
- Topic D: 2,092 brochures distributed
- Topic F: 2,474 brochures distributed
- Topic H: 29 brochures distributed
- Topic I: 904 brochures distributed

Similar information is presented digitally on the website and social media.

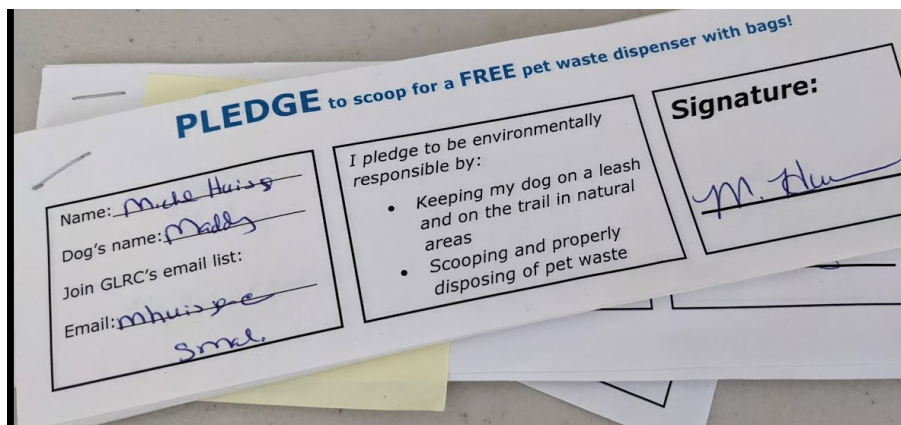
Overall, 5,387 total pieces of outreach material - including MyWatersheds.org stickers, bracelets, bike tour maps, etc - were distributed by the GLRC coordinator at events during the reporting period.

See the [Delta Township PEP Tracking spreadsheet for lobby and event distribution tracking for the reporting report.](#)

Rain Garden Seed Cards – In 2017, the GLRC began distributing rain garden information cards printed on paper embedded with native black-eyed susan seeds. These provide information on the benefits of native plantings and provide residents with seeds to plant their own. They have proven very popular at events. Since 2017, 799 have been distributed through the GLRC Coordinator.

During 2020, 100 Rain Garden Seed Cards were distributed as part of a Bingo Event.

Dog Waste Bag Dispensers -- In 2017 the GLRC began distributing branded dog waste bag dispensers with the tagline “In The Bag, Not The River” to meet pet waste education requirements. To receive one at events, attendees must sign a pledge to pick up after their pets. The pledge form also gives them the option to sign up for the GLRC newsletter. Since 2017, 1075 have been distributed by the GLRC Coordinator.



Dog Park Map and Pledge: In 2017, the GLRC developed a map of local dog friendly parks that includes information on pet waste's impact on our water resources. These were hung up at area park and trail head bulletin boards. An additional version was developed for in-person events that included the pledge mentioned above. Signatories received a dog waste bag dispenser and a copy of the dog park map to take home.

Green Infrastructure Bike Tour – A bicycle tour of area green infrastructure was developed in 2019 to provide users an interactive experience and inspire them to install green infrastructure on their own properties. The bike tour follows area bike trails and includes a printable map as well as a custom Google Map.

Michigan's capital area boasts a diversity of green stormwater infrastructure (GSI), much of which is accessible or visible by bicycle! Follow this guide to see permeable pavers, rain gardens, urban canopy and more! We encourage you to respect all safety and traffic laws while enjoying this tour.

Parking is available at Harrison Meadows Park, Rintoul Ave, East Lansing

Greater Lansing Stormwater Stops

1 Sanderson Drain
Harrison Meadows Park/Northern Trail
The Sanderson Drain is an intercounty drain that conveys stormwater north and discharges to the Looking Glass River.

2 Tower Gardens
Tower Neighborhood/Tower Ave & Biber St, East Lansing
This neighborhood developed without an organized drainage system for the conveyance of stormwater, resulting in widespread flooding. The solution? Undersaturated roadside ditches and rain gardens were installed and planted with native vegetation to infiltrate stormwater and filter pollution from run-off.

3 MSU Swamp Oaks
Mary Mayo Hall, 362 Delta Ct, East Lansing
These swamp white oaks (Quercus bicolor) pre-date Michigan State University's campus and are believed to be between 200-250 years old. The canopies of large deciduous trees can intercept and evaporate 700 to 1,000 gallons of water annually, and a mature oak can absorb and transpire over 40,000 gallons of water a year.

4 Beal Botanical Gardens Riparian Buffer
W Circle Drive, East Lansing
Along the north edge of the Red Cedar River, water flows from surrounding areas into the vegetated buffer. Riparian buffers act to intercept and reduce sediment, nutrients, pesticides, metals, and other pollutants in surface runoff. The beavers are also key in providing streambank stabilization.

5 LM Sports West Porous Asphalt
383 Chestnut Rd, East Lansing
The universally accessible parking spaces located to the northeast of LM Sports West utilize porous asphalt as a way to manage stormwater run-off near the Red Cedar River. Pore spaces in porous asphalt allow water to infiltrate while still providing the strength to hold vehicles. As water drains through the porous asphalt, particles are filtered out before entering the soil below.

6 Wells Hall Green Roof
629 West Cedar Rd, East Lansing
Take the stairs to the 2nd floor of Wells Hall to view the Green Roof. Plants and soil media on rooftops absorb water and can filter pollutants that would otherwise enter the Red Cedar River. Green roofs have additional benefits such as cooling the building, prolonging the life of the roof, and adding ecological diversity to an area.

7 Erickson Hall Rain Garden
620 Spinn Ln, East Lansing
Water comes off the roof of Erickson Hall and drains into the rain garden. This water either infiltrates into the ground or is slowly released through the stormwater system before entering the Red Cedar River. Plant roots help this infiltration process by creating channels for the water to enter. Thus, the amount of water reaching the Red Cedar River is reduced. This also benefits the river by lessening bank erosion.

8 Plant and Soil Sciences Building Rain Garden
2008 Biggie St, East Lansing
Water coming from the roof of the Plant & Soil Sciences building runs over pavement and drains into two rain gardens. Plants absorb water, hold pollutants, and release oxygen and moisture into the air through transpiration. The soil media acts as a filter to help break down stormwater pollutants and cleanse the water before it enters the groundwater and/or waterways.

9 Farm Lane Bioretention
Farm Ln & Service Rd, East Lansing
The Farm Lane Bioretention Basin serves as a facility to treat stormwater run-off from adjacent impervious roadways of Service and Farm Lane. Water that would normally flood the underpass beneath the rail road tracks is pumped up into the bioretention basin where common pollutants are removed during infiltration to allow clean water to leave the site. This site is also used as a research facility to enhance the use of bioretention as a stormwater management practice.

10 MSU Recycling Center
408 Green Way, East Lansing
The recycling center contains several systems to manage stormwater on site. Runoff from the building rooftop is drained into an internal cistern system which treats the water for other uses. Porous asphalt, and rain gardens infiltrate and cleanse stormwater from the parking lot.

11 Crego Park Urban Canopy
1000 Fidelity Road, Lansing
The 220 acre Crego Park and surrounding park land provide a home for many trees in an otherwise heavily urbanized area. These trees not only act as an umbrella, capturing and evaporating rainfall in its canopy, they absorb and transpire would-be run-off through their roots.

12 Confluence of the Sycamore Creek
The Sycamore Creek is a 26.5 mile tributary of the Red Cedar River. Its watershed drains 106 square miles.

13 Confluence of the Red Cedar
River Point Park
Beginning at Cedar Lake in Livingston County, the Red Cedar River flows for 51 miles before emptying into the Grand River in Lansing. Its watershed drains 461 square miles, and it is a thriving ecosystem and supports a variety of wildlife, including over 30 species of fish.

14 Moores Park Urban Tree Canopy
Moores Park
These trees not only act as an umbrella, capturing and evaporating rainfall in its canopy, they absorb and transpire would-be run-off through their roots.

15 Barnes Ave Permeable Pavement
Barnes Ave between Todd Ave and Bradley Ave
Permeable pavers line the parking lot of Barnes Avenue and the median is depressed in areas to store and infiltrate runoff. Permeable pavement reduces run-off volume by trapping and slowly releasing precipitation into the ground rather than allowing it to enter storm drains and waterbodies.

16 Washington Ave Bioretention
Washington Ave between Ottawa St and Ionia St
These 12 rain gardens on Washington Avenue can store 8,300 cu ft of stormwater, capturing and treating 90% of the annual rainfall. This 2 acre area was previously 100% impervious.

17 Michigan Ave Rain Gardens
Michigan Ave between Larch St and Pennsylvania Ave
In 2008, 30 rain gardens were installed along Michigan Avenue. These gardens absorb and filter stormwater, which increases the available capacity in the storm sewer system, keeps pollutants out of the Grand River, and provides a 75% decrease in average annual run-off volume.

18 Tollgate Wetlands
1102 N Fairview Ave, Lansing
The Tollgate Wetlands were created to manage stormwater runoff from the 234 acre Tollgate watershed. The area, which includes 550 residential homes, 19 commercial properties, and 1,000 apartments, was plagued by flooding and pollution issues. Traditional solutions, which included piping stormwater to the Looking Glass, Grand River, or Red Cedar rivers, would have cost over \$20 million. Instead, the Ingham County Drain Commission designed and built wetlands and ponds to manage stormwater on site. *bikes not allowed inside park

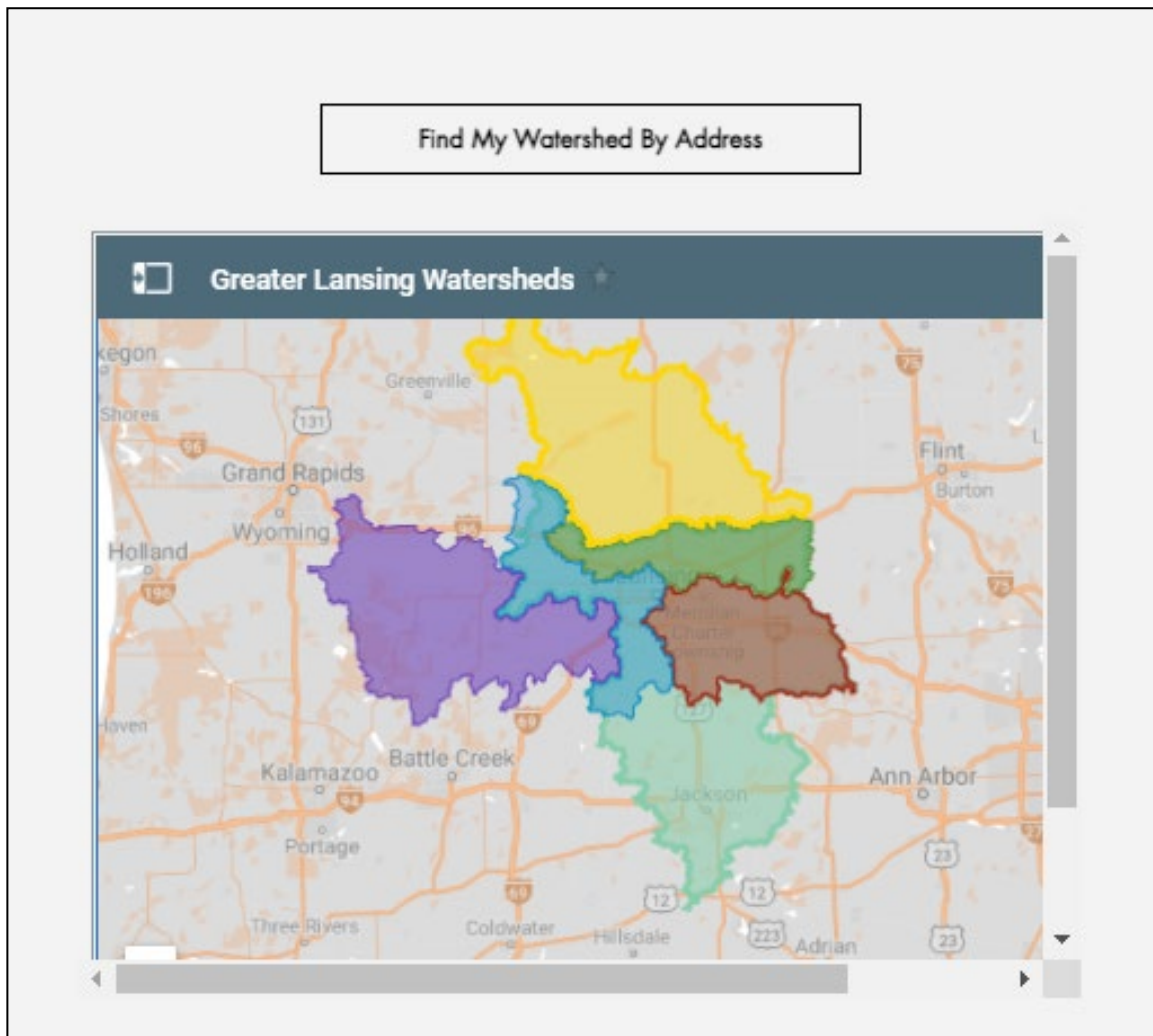
Total Distance: 27 Miles
Duration: 3-4 hours

KEY
Suggested bike route
Stormwater stop

Watershed Tattoos – The GLRC added an additional “swag” item to distribute during the permit cycle: a temporary Middle Grand River watershed tattoo. Sized to fit a hand, it creates a geographically accurate depiction of the Middle Grand River watershed overlaid the Michigan “mitten”.



Find My Watershed Tool – In 2019 the GLRC developed a Find My Watershed Tool. Users can plug in their home address and see which watershed they live in and where they live within it. It also provides information about the watershed, links to 319 plans, and contact information for watershed organizations focused on stewardship within its boundaries. Survey results indicate that many residents do not know that they live in a watershed and this tool has made it easier for them to learn about the watershed they call home. This tool was visited 33,638 times since it's publishing.



General Outreach/Education Efforts – The GLRC Coordinator partners with several different groups, agencies, and organizations in the region. Here is a summary of general collaboration and activities related to stormwater and pollution prevention:

- **Red Cedar Awareness** – In response to the discovery that a river-front MSU fraternity was dumping their garbage into the Red Cedar, a group of stakeholders began meeting to explore ways to engage the student and Greek communities as well as apartment complex owners. Part of that effort resulted in a MSU football gameday initiative led by the GLRC, MGROW, and MidMEAC. In fall of 2017, volunteers walked through the tailgate area and gave away swag items in exchange for signing a trash pick-up pledge and distributed refrigerator magnets with pollution prevention information that were purchased by the GLRC.

- East Lansing Dog Swim – Prior to closing the pool at the East Lansing Aquatic Center for the 2017 season, the city opened up the pool for a dog swim. The GLRC Coordinator attended and traded the GLRC's dog waste bags in exchange for signing a pledge to scoop. 57 pledges were signed/bags distributed. Pens and GLRC stickers were also distributed.
- MWEA Watershed Committee – GLRC Coordinator has been attending all MWEA Watershed Committee meetings and provided some support to the group related to the MS4 permit application process. This is a good networking opportunity for the GLRC to share our experiences and learn what others are doing around the state. This group plans the Watershed and Stormwater summits, which the GLRC coordinator has presented at.
- December 2017; 2018; 2019;– Promoted annual MWEA Stormwater Seminar. GLRC Coordinator attended. *The event didn't occur in 2020, and no GLRC Coordinator was in place in December 2016.
- March 2017, March 2018; March 2019; and July 2020* – GLRC display was on exhibit at the MWEA Watershed Summit. *The 2020 event was moved to a digital format due to Covid-19. The GLRC exhibited virtually, giving a brief presentation on the group to the audience.
- March 2018, 2019, February 2019 – Promoted and exhibited at the Quiet Water Symposium. *GLRC Coordinator volunteered at the 2017 QWS, having been hired after the deadline to be able to exhibit.
- November 2018 – donated over 100 brochures, stickers, and bracelets to a local foster care center for children.
- April 2019 – donated 30 Rain Garden Seed Cards to a meeting of the Dimondale garden club.
- April 2019 – Provided letter of support to the Eaton County Conservation District for a Consumers Energy Grant aimed at watershed planning effort.
- May 2019 – donated bracelets, stickers, and brochures to local foster care center for children.
- July 2019 – Donated 35 each of green infrastructure brochures, watershed brochures, bike maps, stickers, and rain garden seed cards for an Allen Neighborhood Center Rain Garden class.

- July 2019 – Provided letter of support and assistance to MidMEAC for Great Lakes Commission Green Infrastructure Mentor Grant. MidMEAC/GLRC was partnered with a peer stormwater group in New York who shared their outreach materials and strategies.
- June 2020 – Provided letter of support for a MSU green infrastructure/stormwater tree grant application.
- The GLRC Coordinator has consistently provided notices to GLRC members regarding anything relevant to the MS4 program including seminars, training, webinars, legislative updates, etc.
- The GLRC continues to promote the Mid-Michigan Environmental Action Council's stream monitoring programs. The GLRC Coordinator also participated in the 2018 volunteer monitoring event. The GLRC reached 96,407 area residents through social media promotion of these events during the reporting period.

Business Outreach: During the reporting period, the GLRC developed a variety of resources for local businesses to help educate them and staff on pollution prevention at their facilities and as part of their operations:

For Business Webpage – In 2020, a For Businesses webpage was developed to house outreach information particular to businesses and industrial facilities and flyers/posters detailing industrial BMPs. It has had 158 views. www.MyWatersheds.org/businesses

Business Mailing – In 2020 the GLRC is developed a mailable poster focused on business and industrial BMPs. This will be mailed to industrial facilities and available online for other businesses.

Business Posters – Ten posters/flyers focusing on business and industrial facilities were produced in 2020 and included on the GLRC For Business webpage. It includes facility management BMPs for salt usage, vehicle cleaning, landscaping, and more. They are designed to be utilized on break room bulletin boards and other public areas.

The GLRC Coordinator presented to a local business fraternal group in 2017 on the GLRC and stormwater management.



Customer Education Collaboration – The GLRC seeks to work with area businesses to educate their customers on stormwater pollution prevention:

- Between 2019 and 2021, the GLRC worked with the Capital Area Humane Society to provide 750 dog waste bag dispensers and pet waste brochures to be included in the adoption packets for new pet owners. These materials highlight the importance of picking up pet waste while providing them the tool needed to start good dog ownership habits. This relationship will continue.
- In 2019, the GLRC met with Scoops Co, a dog waste pick-up service, to discuss collaboration to educate residents on the importance of picking up pet waste. 500 pet waste tri-fold brochures were given for inclusion in their marketing materials. This assisted the GLRC in spreading our message, and helps the businesses promote a new angle – water quality – as a benefit of their services. Scoops Co and two competing companies are listed as resources on the GLRC website to make residents aware of these services which are particularly beneficial to pet owners that are elderly and or with limited mobility.
- In 2018, the GLRC provided 500 “MyWatersheds.org” stickers to Rivertown Adventures to distribute to their paddle-craft rental customers. These stickers feature paddles over an image of the State of Michigan, with text promoting the MyWatersheds.org website.
- In 2018, the GLRC Coordinator distributed GLRC stickers and MGROW membership brochures to Moosejaw, a local outdoor outfitter, to make available at the counter

for their customers. This encourages awareness of the GLRC and encourages residents joining local watershed organizations, one of the “top ten tips” the GLRC promotes for stormwater stewardship.

- In summer of 2018, the GLRC Coordinator outreached to multiple commercial car wash operations in the Lansing area and shared digital copies of the GLRC car washing brochure. The intent is to help them sell their services with a new, untapped angle; that they are the environmentally friendly alternative to at home driveway washing.

3.2 IDEP Committee/Post-Construction Committee

*Beginning in 2020, the GLRC reconvened the Post-Construction subcommittee and combined it with the IDEP subcommittee. The Committee met multiple times to focus on the challenges facing Post-Construction implementation.

All GLRC members are well into implementation of their individual IDEP programs. The GLRC Coordinator continues to work with regional partners on watershed protection efforts focused on pollution prevention and Illicit Discharge Elimination.

As referenced above, the GLRC developed a reporting page on MyWatersheds.org to more easily advertise the contact information for reporting illicit discharges to member communities. MyWatersheds.org/REPORT is easy to remember and promote. A Septic Smart webpage was also developed to educate residents on reducing illicit connections to the storm sewer. But the primary focus of this committee has been staff training.

Date	Training	Reference	Name of Staff
August 10, 2020	EXCAL IDEP and Good Housekeeping stormwater training videos	Staff Calendar	Walt Kulasa
June 14, 2018	Stormwater Seminar	GLRC Appendix D	Walt Kulasa & Ernie West
July 24, 2018	IDEP Training in person		Walt Kulasa
May 8, 2018	Stormwater Pollution Prevention for MS4s	GLRC Appendix B	John Stopczynski
May 10, 2018	Stormwater Pollution Prevention for MS4s	GLRC Appendix B	Pat Schieding & Ernie West i
July 27, 2016	IDEP In-Field Training	GLRC Appendix E	Walt Kulasa

Committee Activities:

IDEP Training Video –

Group Training: The GLRC hosts training video viewings for members and their staff. During the reporting period, two training dates were held: May 8th 2018 and May 10th 2018. Sign-in sheets from these events are located in Appendix B and at the link here.



Appendix B.pdf

*A group viewing was planned for 2020 but was cancelled due to Covid-19 restrictions. To make videos available, the GLRC recorded a viewing on Zoom and shared the link with members for virtual trainings. Some members notified the GLRC Coordinator of when they viewed. That information follows:

- East Lansing, Steven Roach, August 4th.
- Eaton County, Ruthann Clarke, August 25th

Individual Member Training: GLRC Members borrow the video to conduct their own training as described below:

Name	Community	Date Provided	Date Returned
Kyle Scriptor	Waverly	3/16/2017	4/27/2018
Phil Hanses	Clinton County Drain Comm.	6/8/2017	9/14/2017
Alec Malvetis	City of Lansing	2/29/2018	4/12/2018
Dave Gutchess	City of Grand Ledge	8/20/2018	9/13/2018
Jeff Rewerts	City of Mason	9/28/2018	10/19/2018
Dan Armentrout	Clinton County Road Comm.	10/23/2018	11/6/2018
Brad Beck	Lansing Township	4/11/2019	8/9/2019
Kattie White	Lansing Schools	8/9/2019	8/13/2019
Kyle Scriptor	Waverly	8/13/2019	9/5/2019
Phil Hanses/Dan Armentrout	Clinton County Drain/Road	9/5/2019	12/3/2019

The GLRC has also hosted field trainings for outfall screening. Sign-in sheets for the event during this reporting period are located in Appendix C or the link here.



Appendix C.pdf

3.3 TMDL Committee

The TMDL Committee provides a forum for discussing TMDL implementation. In summer of 2020, the committee developed a Quality Assurance Project Plan (QAPP) to standardize sample collection and guide field operations related to wet weather monitoring. Members have individual TMDL implementation plans but utilize the QAPP to inform project managers and field staff of laboratory requirements and options for analysis.

4.0 Other GLRC Activities

Good Housekeeping Training -

Group Training: The GLRC hosts training video viewings for members and their staff. During the reporting period, two training dates were held: May 8th 2018 and May 10th 2018. Sign-in sheets from these events are located in Appendix B or the link here:



Appendix B.pdf

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Jeff Rewerts	City of Mason	9/28/2018	10/19/2018
Dan Armentrout	Clinton County Road Comm.	10/23/2018	11/6/2018
Brad Beck	Lansing Township	4/11/2019	8/9/2019
Kattie White	Lansing Schools	8/9/2019	8/13/2019
Kyle Scriptor	Waverly	8/13/2019	9/5/2019
Phil Hanses/Dan Armentrout	Clinton County Drain/Road	9/5/2019	12/3/2019

GLRC Stormwater Seminar – In June 2018, the GLRC held an educational seminar for members to learn about a variety of topics, including stormwater utilities, impervious surface mapping, GSI site plan reviews, and NJDEP performance standards. Thirty five people attended. A second GLRC Seminar was planned for 2020 but was postponed due to Covid-19. The event flyer and attendance is located in Appendix D and at the link here:



Appendix D.pdf

EGLE Industrial Stormwater Operator Training – The GLRC planned to host EGLE for an Industrial Stormwater Operator Training in 2020. It was postponed due to Covid-19 restrictions. EGLE offered options for license applications and renewals online.

Walter C. Kulasa - Delta Charter Township, Certification No. 12786 Expires in 2021
(January 2021 sent in renewal)

Timothy S. Hogg - Delta Charter Township, Certification No. 12784 Expires in 2021
(January 2021 sent in renewal)

Ingham County Surface Water Program -- The Ingham County Health Department regularly tests sites for *E.coli* and have done so through this program for 15 years. Several Ingham County based GLRC members support this effort and in 2021 applied for a grant to expand the program to different sites and explore feasibility of similar programs throughout the Middle Grand River watershed. If funded this grant would also support the development of a water quality database to house current and historical sampling results and educate the public about the *E. coli* TMDL.

Recreation Efforts

The GLRC promotes partner efforts and recreational events through the website and social media, like paddling expeditions and races and other opportunities for residents to connect to our watershed and water resources. The GLRC understands that residents will be more likely to adopt pollution prevention strategies if they use and love the resources those actions would protect.

Green Infrastructure Code Audit – The GLRC Coordinator worked with Meridian Township to audit their codes and ordinances for barriers to green infrastructure implementation. In 2020, the Committee agreed to reconvene the GLRC Ordinance Committee to develop a GSI Ordinance Manual for area communities interested in similar audit exercises. The document will provide model ordinances and language to standardize and improve the region's landscape and surfacing requirements in a way that promotes the use of green infrastructure. This effort will develop in 2021. GSI Code Audits at other GLRC members will resume after the manual is complete.

Coal Tar Seal Coat – The GLRC also tasked the Ordinance Committee with assisting area communities in the development of coal tar seal coat bans. The Committee will work to develop a resource guide and model ordinances/programs in an effort to standardize the region's approach to these contaminants.

2021 GLRC Progress Report
Appendix A

Display Usage

2016

Name	Community	Date Provided	Date Returned	Event	Display Used	Attendance
Allen Byrant	Delhi Township	Friday, May 6, 2016	Wednesday, May 11, 2016	WWTP Open House	3 Panel	
Erin Campbell	GLRC	Saturday, May 14, 2016		Adopt A River	3 Panel	300
Erin Campbell	GLRC	Thursday, May 26, 2016		SCCMUA Open House	3 Panel	
Sam Shultz	Lansing Township	Monday, June 13, 2016	Tuesday, June 21, 2016	Township Lobby	3 Panel	
Walt Kulasa	Delta Township	Thursday, July 14, 2016	Wednesday, July 27, 2016	Delta Twp Library	3 Panel	
Ken Baker	City of Mason	Thursday, October 6, 2016	Tuesday, October 11, 2016	Community Open House	3 Panel	
Meredith Baker	City of Grand Ledge	Friday, October 14, 2016	Monday, October 17, 2016	Color Tour	3 Panel	
Bob Scheuerman	City of East Lansing	Tuesday, October 18, 2016	Monday, October 31, 2016	Hannah, City Hall, Library	3 Panel	
2017						
Name	Community	Date Provided	Date Returned	Event	Display Used	Attendance

Sam Bibler	City of Mason	Friday, January 6, 2017	Monday, January 16, 2017	Mason City Hall Admin	3 Panel	
Rod Taylor	Dewitt Township	Thursday, April 13, 2017	Friday, April 14, 2017	Community Showcase	3 Panel	
Allen Bryant	Delhi Township	Monday, April 17, 2017		Vegetable Garden Seminar	3 Panel	
Allen Bryant	Delhi Township	Saturday, May 6, 2017	Saturday, May 13, 2017	Delhi Reuse Rally	3 Panel	
Cliff/Allen	GLRC	Saturday, May 13, 2017		Adopt-a-River	3 Panel	500
Younes	Meridian	Wednesday, June 8, 2016	Wednesday, June 14, 2017	Lake Lansing Special Assessment District Advisory committee	3 Panel	50
Jennifer Bernardin	Delta Library	Saturday, June 24, 2017	Wednesday, July 5, 2017	Delta Library	3 Panel	
Cliff	East Lansing	Saturday, September 9, 2017		Aquatic Center Dog Swim	3 Panel	297 dogs (1-4 people per)
Jeff Rewerts	City of Mason	Friday, October 6, 2017	Monday, October 9, 2017	Fire Station Open House	3 Panel	600
Cliff Walls	GLRC/East Lansing	Wednesday, November 15, 2017		PineCrest STEAM night	Enviroscares	150
Bob Scheuereman	East Lansing	Thursday, November 30, 2017	Tuesday, January 16, 2018	Displayed in Hannah Center Lobby	Scroll	

|

|

2018

Name	Community	Date Provided	Date Returned	Event	Display Used	Attendance
Kattie White	Lansing Schools	Friday, February 9, 2018	Friday, March 2, 2018	Community Showcase	Scroll, Enviroscares	3000
Cliff Walls	GLRC	Saturday, March 3, 2018		Quiet Water Symposium	Scroll, 3 panel	3,000
Cliff Walls	GLRC/East Lansing	Tuesday, March 13, 2018		Pinecrest Elementary Science Fair	Scroll, Enviroscares	100
Younes Ishraidi	Meridian	Friday, March 15, 2019	April 11th, 2018	Meridian Twp Hall	Scroll	
Cliff Walls	GLRC	Wednesday, March 28, 2018		MWEA Watershed Summit	3 panel	100
Cliff Walls	GLRC	Saturday, April 7, 2018		MSU Science Festival	3 panel, Enviroscares	7000
Dan Coss/Julie Coleman	City of DeWitt/DeWitt Township	Thursday, April 12, 2018		Dewitt Showcase	Scroll	
Cliff Walls	GLRC/East Lansing	Saturday, April 21, 2018		MSU Big Green Gig	Scroll	300
Dan Coss	City of DeWitt	Friday, April 13, 2018	April 20th, 2018	City Hall Lobby	Scroll	
Julie Coleman	DeWitt Township	Friday, April 20, 2018	April 30th, 2018	Township Hall Lobby	Scroll	
Dan Coss	City of DeWitt	Monday, April 30, 2018	May 8th, 2018	City Hall Lobby	Scroll	
Cliff Walls	GLRC	Saturday, May 12, 2018		Adopt a River	Scroll, Enviroscares	300

Cliff Walls	GLRC	Saturday, May 19, 2018		ICD Rain Barrel Workshop	Scroll	25
Younes Ishraidi	Meridian Township	Tuesday, June 12, 2018	Tuesday, June 12, 2018	Lake Lansing Special Assessment Meeting	Scroll	60
Cliff Walls	GLRC	Thursday, June 14, 2018	June 14th 2018	GLRC Stormwater Seminar	lea	36
Cliff Walls	MSU/GLRC	Wednesday, June 27, 2018		Grandparents University	Scroll	50
Sam Shultz	Lansing Twp	Thursday, July 26, 2018	September 6th 2018	Township Hall Lobby	Scroll	
Phil Hanses	Clinton Drain	Thursday, September 6, 2018	September 20th, 2018	Drain Office Lobby	Scroll	
Dan Armentrout	Clinton Drain*	Thursday, September 20, 2018	October 2nd, 2018	Road Commission Office	Scroll	
Dave Gutches	Grand Ledge	Friday, September 28, 2018	December 3rd, 2018	Lobby	Scroll	
Jennifer Bernardin	Delta Township	Wednesday, October 3, 2018	Monday, October 22, 2018	Trick or Treat Trail/Lobby	Scroll	
Cliff Walls	GLRC/EL	Thursday, November 15, 2018		Pinecrest STEAM Night	Scroll, EGLE Flood Exhibit	150-175
Alec Malvetis	City of Lansing	Tuesday, December 4, 2018	Friday, January 18, 2019	Lobby	Scroll	
<u>2019</u>						
Name	Community	Date Provided	Date Returned	Event	Display Used	Attendance
Alex Malvetis	Lansing	Tuesday, December 4, 2018	Friday, January 18, 2019	Lobby	Scroll	
Kattie White	Lansing Schools	Friday, January 18, 2019	Wednesday, February 27, 2019	Showcase Night then Lobby	Scroll, Enviroscares	3000
Cliff Walls/Ruth	GLRC	Sunday, March 3, 2019		Quiet Water Symposium	Scroll, 3 panel	3000
Cliff Walls	GLRC	Wednesday, March 6, 2019		Pinecrest Elementary Science Fair	Scroll, EGLE Floodplain Exhibit	100
Andrew Dymczyk	DeWitt Township	Tuesday, March 5, 2019	Thursday, March 21, 2019	Lobby	Scroll	
Andrew Dymczyk/Dan Coss	Dewitt Twp/City	Wednesday, March 20, 2019		DeWitt Community Showcase	Scroll	
Dan Coss	Dewitt City	Thursday, March 21, 2019	Thursday, May 2, 2019	Lobby	Scroll	
Cliff Walls	GLRC	Monday, March 25, 2019		MGROW Annual Meeting	Scroll	65
Cliff Walls	GLRC	Wednesday, March 27, 2019		MWEA Watershed Summit	Scroll, 3 panel	100
Cliff Walls	GLRC	Wednesday, April 3, 2019		MSU Science Festival	Scroll, 3 panel	7000
Dave Gutches	Grand Ledge	Friday, April 26, 2019		Career Quest Fair, Lansing Center	Scroll , Enviroscares	
Brad Beck	Lansing Township	Thursday, May 2, 2019	Friday, May 31, 2019	Lobby	Scroll	
Cliff Walls	Adopt a River	Saturday, May 11, 2019		Adopt a River Environmental Expo	Scroll, 3panel	300
Jennifer Bernardin	Delta Township	Friday, May 31, 2019	Monday, July 1, 2019	Lobby	Scroll	
Cliff Walls	GLRC	Saturday, June 8, 2019		Crandell Lake Water Fest	Scroll, Enviroscares	300
Allen Bryant	Delhi	Wednesday, August 14, 2019		Holt Fest	3-panel	
Eric Deibel	Eaton County Drain	Saturday, July 27, 2019	Monday, August 12, 2019	Lobby	Scroll	
Kyle Scripter	Waverly Schools	Monday, August 12, 2019		Lobby	Scroll	
Phil Hanses	Clinton County Drain	Thursday, September 5, 2019	Wednesday, September 18, 2019	Lobby	Scroll	
Dan Armentrout	Clinton County Road	Wednesday, September 18, 2019	Friday, October 11, 2019	Lobby	Scroll	
Jennifer Bernardin	Delta Township	Tuesday, October 8, 2019		Trick or Treat Trail	Scroll	1000
Dave Gutches	Grand Ledge	Wednesday, October 9, 2019	Thursday, December 5, 2019	Color Tour (10/11) and Lobby	Scroll	
Cliff Walls	GLRC	Tuesday, November 12, 2019		Pinecrest STEAM Night	Scroll	150-175
Alex Malvetis	Lansing	Monday, December 16, 2019	Monday, February 3, 2020	Lobby	Scroll	
<u>2020</u>						
Name	Community	Date Provided	Date Returned	Event	Display Used	Attendance
Kattie White	LSD	Monday, February 3, 2020	Friday, February 28, 2020	Lobby and Schools Showcase	Scroll, Enviroscares	3000
Cliff Walls	GLRC	Saturday, February 29, 2020		Quiet Adventures Symposium	Scroll, 3 panel	3500
*Covid-19 halted display use						

Appendix B

Signature(s) below are acknowledgment that on (date) 5-8-18,
these individuals participated in a training session at the:

Location Name: Tri-County Regional Planning Commission

Address: 3135 Pine Tree Suite 2C Lansing MI 48911

Given by: (trainer's name) Cliff Walls

(title) GLRC COORDINATOR

This training session presented information on illicit discharge detection and elimination.
During this session, the individuals listed below viewed the training video:

RAINcheck: STORMWATER POLLUTION PREVENTION FOR MS4s

IDDE: a grate concern

The participants' signatures below affirm they were given adequate time to ask questions about
their particular job activities and how they could best conduct these activities.

Please read the above paragraph before signing below.

PRINT NAME HERE

SIGNATURE HERE

JOHNATHAN G. STOKRZYNSKI

John Moody
Michael Stone

JEFFREY D. JAKELWAY

Andy Beale

Michael Hergert

Michael Prater

Dennis M. Lounney

[Signature]

[Signature]
[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

David Gutches
Isaac Weeks
Joseph Ward
Joe Gomez
Scott Richey
Randy Daniels
Trevor Hull
Mike Conlin
Austin Davis
Ryan Kraft
Duane Gardner
Katie White

Cliff Walls
Paul Pratt
Emily Short
Katie White
Duane Gardner
Ryan Kraft
Austin Davis
Andy Beagle

Also in attendance: Cliff Walls-GLRC
Paul Pratt-ICDC
Emily Short- Spicer/ICDC

Delta Township

Johnathon G Stopczynski

Grand Ledge

David Gutches
Isaac Weeks

DeWitt Charter Township

Joseph Ward
Joe Gomez
Jeffery D Jakeway
Michael Stone

Ingham County

Drain Commission

Randy Daniels
Trevor Hull
Mike Conlin
Scott Richey
Paul Pratt

City of Mason

Michael Herseny
Michael Prater

Lansing School District

Katie White
Duane Gardner
Ryan Kraft

City of DeWitt

Austin Davis
Andy Beagle



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(title) GLRC COORDINATOR

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Pat Schieding - Delta Twp
Don Drumm ICDC
Eric Dalbos "
Nick Patrick
DAVID DUNLAP
Todd Johnston
Ernie West - Delta Twp
MIKE STAFFORD - Delta Twp
Sam Schultz - Lansing Twp
JESSICA LARKIN-ECDC
Willow Hassel
Yanice Jackson-Long
Jane Katzer

Sign

Aden Duong
Pat Schieding
Don Drumm
Eric Dalbos
Nick Patrick
David Dunlap
Todd Johnston
Ernie West
Mike Stafford
Sam Schultz
Jessica Larkin
Willow Hassel
Yanice Jackson-Long
Jane Katzer

City of East Lansing

Aden Duong

Eaton County

Jessica Larkin

Delta Township

Ernie West

Pat Schieding

Mike Stafford

Lansing Township

Sam Schultz

Ingham County**Drain Commissioner-**

Don Drumm

Eric Daldos

Nick Patrick

David Dunlap

Todd Johnston

Other/Not Indicated

Willow Hassel

Yanice Jackson-Long

Jane Katzer

GREATER LANSING REGIONAL COMMITTEE ON
For STORMWATER MANAGEMENT

Dry Weather Screening Training

Appendix C

DATE: 7-24-18

ATTENDANCE SHEET

Name	Representing
JEFF JANEWAY	DEWITT CHARTER TOWNSHIP
DREW MORSON	CLINTON CO DRAIN
David Seeger	Clinton Co. Drain Commission
David Livolsie	Meridian Twp
Younus Ishaidi	Meridian Twp
John Moody	Dewitt Charter twp
Joe Gomez	Dewitt Charter
Michael Stone	Dewitt Township
Joe Ward	Dewitt township
David Gutchess	City of Grand Ledge
Isaac Weeks	City of Grand Ledge
Steven Roach	City of East Lansing
ADEN DUONG	CITY OF EAST LANSING
Jeff Roberts	City of Mason
Michael Hershey	CITY OF MASON
Jerry Hillman	Village of Dimondale
James Gallagher	Village of Dimondale
RUTH KLINE-KOBACH	MSU
BRIAN BASTIAN	CITY OF LANSING
Sam Schultz	Lansing Twp
Maryvale Brown	CITY OF LANSING
Aleasha Smith	Lansing School Dist.
Duane Gardner	LANSING SCHOOL/SODEXO
WADE SCHRAUBEN	LANSING SCHOOLS/SODEXO
Malvetis	LSD/SODEXO
Alec Malvetis	City of Lansing
Mar Jones	City of Lansing
JESSICA LARKIN	Eaton Co. DRAIN

ATTENDANCE SHEET

GREATER LANSING REGIONAL COMMITTEE FOR STORMWATER MANAGEMENT

STORMWATER SEMINAR

Appendix D

6-14-18

ATTENDANCE SHEET

Name	Representing
Matt Comben	Barr Eng.
Walter Kulasa	DELTA Twp.
Bob Schuerman	E. Lansing
Chris Jones	Barr Engineering
STEVE KLEIN	BARR ENGINEERING Co
Randy Schaffer	Ingham county Board of Comm
Alec Malvetis	City of Lansing
David Hibbs	Barr Engineering Co.
DEAN JOHNSON	CITY LANSING
DAN CHRISTIAN	TETRA TECH
ANGIE COSMAN	icdc
Cathy Deshambo	DPW East Lansing
Mackenzie Foss	DPW East Lansing
Christe Alwin	MDEQ
Hailey Olson	Inalamazoo Nature Center
Ernie West	Delta Twp
Jeff Bewerte	Mason
Michael Hershey	city of mason
Ken Baker	City of Mason
ANDY KILPATRICK	CITY OF LANSING
Phil Hanses	Clinton County
Nicole McPherson	City of East Lansing.
Steven Roach	City of East Lansing
Ryan Kraft	Sodexo - Lansing Schools
Duane Gardner	Sodexo - Lansing Schools
Ruth R. Paback	msk

[illegible]

GREATER LANSING REGIONAL COMMITTEE



IDEP IN-FIELD TRAINING

Appendix E

DATE:

7/27/16

ATTENDANCE SHEET

Name	Representing
Allen Bryant	Delta Charter Township
Alec Malvetis	City of Lansing
Valerie Novaes	Tetra Tech.
Mike Prater	City of Mason
Jeff Rewerts	City of Mason
CHET DAVIS	City of Dewitt
Ricky wing	City of Dewitt
Robert MacKenzie	Meridian Township
Christe Alwin	DEQ
Kevin Vietering	Ingham County Drain office
Clarence Schertzing	Ingham County Drain Commission
Mike Conlon	Ingham County Drain Commission
Nick Patrick	Ingham County Drain Commission
Bill Brunner	City of Lansing
Travis Befus	Eng.
MARY LINDSEY-FRARY	MSU
ERIN Campbell	GLRC
Steven Roach	City of East Lansing
DAN ARMENTROUT	Clinton Co. Rd. Com.
Kenneth Herman	Delta Charter Township
Walter Kulasa	DELTA TWP.
Kevin Kalmbach	Eaton County Drain
Scott Stopyak	Eaton County GIS
David Liviskie	Meridian Township
Brian Zuber	DEQ

Appendix F

	Delta Admin Bldg 12/20/19-12/31/20	Library 12/20/19-12/31/20	Enrichment Center 12/20/19-12/31/20	Community Center 12/20/19-12/31/20	Bingo Card 10/1/20-12/31/20
New Brochures					
Green Infrastructure	10 left out of 25	0 left out of 25	0 left out of 25	20 left out of 25	100
Lawn	8 left out of 25	0 left out of 25	0 left out of 25	18 left out of 25	100
Car wash	12 left out of 25	0 left out of 25	0 left out of 25	16 left out of 25	100
Water Shed	7 left out of 25	0 left out of 25	0 left out of 25	13 left out of 25	100
Motor Oil	9 left out of 25	0 left out of 25	0 left out of 25	14 left out of 25	100
Pet Waste Mgmt	21 left out of 25	0 left out of 25	0 left out of 25	12 left out of 25	100
Rain Garden Seed Cards					100
Pollution Isn't Pretty Green Bracelet					75
Kids Blue and Orange Bracelet					62
My Water Shed Stickers					100

Appendix B

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these individuals participated in a training session at the:

Location Name: Tri-County Regional Planning Commission

Address: 3135 Pine Tree Suite 2C Lansing MI 48911

Given by: (trainer's name) Cliff Walls

(title) GLRC COORDINATOR

This training session presented information on illicit discharge detection and elimination.
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SIGNATURE HERE

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John Moody
Michael Stone

JEFFREY D. JAKEWAY

Andy Beale

Michael Hergert

Michael Prater

Dennis M. Lounney

[Signature]

[Signature]
[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

David Gutches
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Joseph Ward
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Scott Richey
Randy Daniels
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Katie White

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Paul Pratt
Emily Short
Katie White
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Also in attendance: Cliff Walls-GLRC
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Emily Short- Spicer/ICDC

Delta Township

Johnathon G Stopczynski

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(title) GLRC COORDINATOR

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Don Drumm ICDC
Eric Dalbos "
Nick Patrick
DAVID DUNLAP
Todd Johnston
Ernie West - Delta Twp
MIKE STAFFORD - Delta Twp
Sam Schultz - Lansing Twp
JESSICA LARKIN- ECDC
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Sign

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City of East Lansing

Aden Duong

Eaton County

Jessica Larkin

Delta Township

Ernie West

Pat Schieding

Mike Stafford

Lansing Township

Sam Schultz

Ingham County**Drain Commissioner-**

Don Drumm

Eric Daldos

Nick Patrick

David Dunlap

Todd Johnston

Other/Not Indicated

Willow Hassel

Yanice Jackson-Long

Jane Katzer



MAINTENANCE AGREEMENT

This Agreement entered into the 22 day of October, 2019, by and between Richard Wagner, Eaton County Drain Commissioner ("Drain Commissioner"), 1045 Independence Blvd., Charlotte, Michigan and Charter Township of Delta, a Michigan Charter Township, 7710 W. Saginaw Highway, Lansing, MI 48917 ("Landowner/Developer").

WHEREAS, Landowner/Developer is the owner of certain real property as legally described in Exhibit A attached hereto (the "Property"); and

WHEREAS, Landowner/Developer proposes the construction of a storm water management system (the "System") to serve all or a portion of the properties to be developed on the Property; and

WHEREAS, the Drain Commissioner has reviewed and approved the plans and specifications for the System on the Property; and

WHEREAS, the Drain Commissioner and Landowner/Developer wish to enter into this Agreement to ensure the continuing maintenance of the System so as to prevent drainage issues on the Property and surrounding parcels resulting from any lack of appropriate operation, maintenance or repair to the System.

NOW, THEREFORE, IT IS HEREBY AGREED:

1. Landowner/Developer shall be responsible for the operation, maintenance and repair of the System on the Property at Landowner/Developer's sole cost, and shall take steps to periodically inspect the System to ensure that the System is in proper working order.
2. Landowner/Developer shall operate and maintain the System in compliance with all federal, state and local statutes, laws, ordinances, authorizations, rules, regulations and permits. If required by law, Landowner/Developer shall retain the services of a licensed operator for the System and pay all costs attendant thereto.

STORM WATER MANAGEMENT
EATON COUNTY

MA - 1

2018

> Drain Office

30 -
7

3. Landowner/Developer hereby grants and conveys to the Drain Commissioner the right of entry onto the Property for purposes of inspection of the System to determine the need for any maintenance or repair.
4. In the event that an inspection by the Drain Commissioner reveals the need for maintenance or repair of the System, the Drain Commissioner shall notify Landowner/Developer in writing of the need for said maintenance or repair to any part of the System. This paragraph does not alleviate any responsibilities of the Landowner/Developer to inspect, operate, maintain, and repair the System as otherwise provided in this Agreement.
5. Upon written notice as provided herein, Landowner/Developer, shall cause said maintenance or repair to be completed within 30 days, of receipt of said notice, or such other time period as may otherwise be specified by the Drain Commissioner, and shall provide the Drain Commissioner with written notice that the maintenance or repairs are complete.
6. In the event that the work specified by the Drain Commissioner is not completed in a timely fashion, the Drain Commissioner shall cause the work to be performed. Landowner/Developer shall be responsible for all costs incurred by the Drain Commissioner for the maintenance or repair of the System under this paragraph, including inspection and engineering costs, administration costs, and attorneys' fees and costs. Payment shall be made by Landowner/Developer within 30 days of receiving a written invoice from the Drain Commissioner.
7. If payment is not made, the Drain Commissioner is authorized to seek collection by all means allowed under law, or may levy special assessment against the Property where the System is located; which special assessment will be a lien against the lands until paid or collected as allowed for the collection of taxes and assessments under the laws of the State of Michigan. Landowner/Developer shall be responsible for all actual costs and attorney fees incurred by the Drain Commissioner relating to the collection of unpaid invoices under this Agreement.

8. This Agreement shall inure to the benefit of and shall be binding upon the parties hereto, their respective successors, assignees and legal representatives. Landowner/Developer shall immediately notify the Drain Commissioner in writing of the name, address and telephone number of any assigned or successors in interest.
9. Landowner/Developer agrees to hold harmless, defend and indemnify the Drain Commissioner, his employees, agents and contractors and the County of Eaton from any and all liability or enforcement action arising out of the operation, maintenance or repair of the System including any and all claims for damages or injury to person or property and any and all civil and criminal sanctions, penalties, fines or costs.
10. Landowner/Developer hereby represents and warrants that this Agreement has been duly authorized, executed and delivered on behalf of Landowner/Developer, and that Landowner/Developer has the power and authority to enter into this Agreement.
11. If any provision of this Agreement is held invalid under any applicable law, such invalidity shall not affect any other provision of this Agreement that can be given effect without the invalid provision and, to this end, the provisions hereof are severable.
12. Once executed this Agreement shall be recorded with the Eaton County Register of Deeds, Landowner/Developer shall pay all costs of recording and all legal fees incurred in the preparation of this Agreement.

Prepared By:

Richard Wagner
Eaton County Drain Commissioner
1045 Independence Blvd.
Charlotte, MI 48813-1095
Telephone: (517) 543-3809

Return To:

Richard Wagner
Eaton County Drain Commissioner
1045 Independence Blvd.
Charlotte, MI 48813-1095
Telephone: (517) 543-3809

Richard Wagner

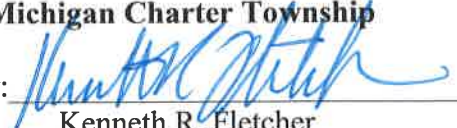
Richard Wagner
Eaton County Drain Commissioner
STATE OF MICHIGAN)
)ss
COUNTY OF EATON)

On this 30th day of October, 2019 before me, a Notary Public in and for said County, appeared Richard Wagner, Eaton County Drain Commissioner, to me personally known to be the person described in and who executed the foregoing instrument and acknowledged the same to be his free act and deed.

Ruthann M. Clarke


Ruthann M. Clarke, Notary Public
Eaton County, Michigan
My Commission Expires: 04/15/2021
Acting in the County of Eaton

**CHARTER TOWNSHIP OF DELTA,
a Michigan Charter Township**

By: 
Kenneth R. Fletcher
Its: Township Supervisor

STATE OF MICHIGAN)
)ss
COUNTY OF EATON)

On this 22 day of October, 2019 before me, a Notary Public in and for said County, appeared Kenneth R. Fletcher, Township Supervisor of Charter Township of Delta, a Michigan Charter Township to me personally known to be the person described in and who executed the foregoing instrument and acknowledged the same to be his free act and deed.


Linda F. Wells, Notary Public
Eaton County, Michigan
My commission expires: 11/23/2020
Acting in Eaton County, Michigan

LINDA F. WELLS
Notary Public, State of Michigan
County of Eaton
My Commission Expires 11-23-2020
Acting in the County of Eaton

STORM WATER MANAGEMENT
EATON COUNTY

MA - 5

2018



**CHARTER TOWNSHIP OF DELTA,
a Michigan Charter Township**

By: Mary R. Clark
Mary R. Clark
Its: Township Clerk

STATE OF MICHIGAN)
)ss
COUNTY OF EATON)

On this 22 day of October, 2019 before me, a Notary Public in and for said County, appeared Mary R. Clark, Township Clerk, Charter Township of Delta, a Michigan Charter Township to me personally known to be the person described in and who executed the foregoing instrument and acknowledged the same to be his free act and deed.

Linda F. Wells
Linda F. Wells, Notary Public
Eaton County, Michigan
My commission expires: 11/23/2020
Acting in Eaton County, Michigan

LINDA F. WELLS
Notary Public, State of Michigan
County of Eaton
My Commission Expires 11-23-2020
Acting in the County of Eaton

STORM WATER MANAGEMENT
EATON COUNTY

MA - 6

2018



Exhibit A

Delta Mills Park Canoe Launch - Legal Description

Parcel # 040-003-400-050-00

THAT PART OF W 1/2 OF SE FRL 1/4 LYING S OF GRAND RIVER, N OF OLD RIVER TRAIL & WLY OF HWY
RUNNING SELY FROM THE BRIDGE ACROSS SAID RIVER. SEC.3, T4N, R3W, DELTA TOWNSHIP.

MAINTENANCE AGREEMENT

This Agreement entered into the 25th day of September, 2018, by and between Richard Wagner, Eaton County Drain Commissioner ("Drain Commissioner"), 1045 Independence Blvd., Charlotte, Michigan and Charter Township of Delta, a Michigan Charter Township, 7710 W. Saginaw Highway, Lansing, MI 48917 ("Landowner/Developer").

WHEREAS, Landowner/Developer is the owner of certain real property as legally described in Exhibit A attached hereto (the "Property"); and

WHEREAS, Landowner/Developer proposes the construction of a storm water management system (the "System") to serve all or a portion of the properties to be developed on the Property; and

WHEREAS, the Drain Commissioner has reviewed and approved the plans and specifications for the System on the Property; and

WHEREAS, the Drain Commissioner and Landowner/Developer wish to enter into this Agreement to ensure the continuing maintenance of the System so as to prevent drainage issues on the Property and surrounding parcels resulting from any lack of appropriate operation, maintenance or repair to the System.

NOW, THEREFORE, IT IS HEREBY AGREED:

1. Landowner/Developer shall be responsible for the operation, maintenance and repair of the System on the Property at Landowner/Developer's sole cost, and shall take steps to periodically inspect the System to ensure that the System is in proper working order.
2. Landowner/Developer shall operate and maintain the System in compliance with all federal, state and local statutes, laws, ordinances, authorizations, rules, regulations and permits. If required by law, Landowner/Developer shall retain the services of a licensed operator for the System and pay all costs attendant thereto.

STORM WATER MANAGEMENT
EATON COUNTY

MA - 1

2018

> Eaton County Drain Office

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3. Landowner/Developer hereby grants and conveys to the Drain Commissioner the right of entry onto the Property for purposes of inspection of the System to determine the need for any maintenance or repair.
4. In the event that an inspection by the Drain Commissioner reveals the need for maintenance or repair of the System, the Drain Commissioner shall notify Landowner/Developer in writing of the need for said maintenance or repair to any part of the System. This paragraph does not alleviate any responsibilities of the Landowner/Developer to inspect, operate, maintain, and repair the System as otherwise provided in this Agreement.
5. Upon written notice as provided herein, Landowner/Developer, shall cause said maintenance or repair to be completed within 30 days, of receipt of said notice, or such other time period as may otherwise be specified by the Drain Commissioner, and shall provide the Drain Commissioner with written notice that the maintenance or repairs are complete.
6. In the event that the work specified by the Drain Commissioner is not completed in a timely fashion, the Drain Commissioner shall cause the work to be performed. Landowner/Developer shall be responsible for all costs incurred by the Drain Commissioner for the maintenance or repair of the System under this paragraph, including inspection and engineering costs, administration costs, and attorneys' fees and costs. Payment shall be made by Landowner/Developer within 30 days of receiving a written invoice from the Drain Commissioner.
7. If payment is not made, the Drain Commissioner is authorized to seek collection by all means allowed under law, or may levy special assessment against the Property where the System is located; which special assessment will be a lien against the lands until paid or collected as allowed for the collection of taxes and assessments under the laws of the State of Michigan. Landowner/Developer shall be responsible for all actual costs and attorney fees incurred by the Drain Commissioner relating to the collection of unpaid invoices under this Agreement.

8. This Agreement shall inure to the benefit of and shall be binding upon the parties hereto, their respective successors, assignees and legal representatives. Landowner/Developer shall immediately notify the Drain Commissioner in writing of the name, address and telephone number of any assigned or successors in interest.
9. Landowner/Developer agrees to hold harmless, defend and indemnify the Drain Commissioner, his employees, agents and contractors and the County of Eaton from any and all liability or enforcement action arising out of the operation, maintenance or repair of the System including any and all claims for damages or injury to person or property and any and all civil and criminal sanctions, penalties, fines or costs.
10. Landowner/Developer hereby represents and warrants that this Agreement has been duly authorized, executed and delivered on behalf of Landowner/Developer, and that Landowner/Developer has the power and authority to enter into this Agreement.
11. If any provision of this Agreement is held invalid under any applicable law, such invalidity shall not affect any other provision of this Agreement that can be given effect without the invalid provision and, to this end, the provisions hereof are severable.
12. Once executed this Agreement shall be recorded with the Eaton County Register of Deeds, Landowner/Developer shall pay all costs of recording and all legal fees incurred in the preparation of this Agreement.

Prepared By:

Richard Wagner
Eaton County Drain Commissioner
1045 Independence Blvd.
Charlotte, MI 48813-1095
Telephone: (517) 543-3809

Return To:

Richard Wagner
Eaton County Drain Commissioner
1045 Independence Blvd.
Charlotte, MI 48813-1095
Telephone: (517) 543-3809



Richard Wagner
Eaton County Drain Commissioner

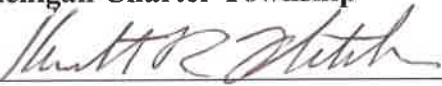
STATE OF MICHIGAN)
)ss
COUNTY OF EATON)

On this 25th day of September, 2018 before me, a Notary Public in and for said County, appeared Richard Wagner, Eaton County Drain Commissioner, to me personally known to be the person described in and who executed the foregoing instrument and acknowledged the same to be his free act and deed.




Ruthann M. Clarke, Notary Public
Eaton County, Michigan
My Commission Expires: 04/15/2021
Acting in the County of Eaton

**CHARTER TOWNSHIP OF DELTA,
a Michigan Charter Township**

By: 
Kenneth R. Fletcher
Its: Township Supervisor

STATE OF MICHIGAN)
)ss
COUNTY OF EATON)

On this 18 day of September 2018 before me, a Notary Public in and for said County, appeared Kenneth R. Fletcher, Township Supervisor of Charter Township of Delta, a Michigan Charter Township to me personally known to be the person described in and who executed the foregoing instrument and acknowledged the same to be his free act and deed.


Linda F. WELLS, Notary Public
Eaton County, Michigan
My commission expires: 11/23/2020
Acting in Eaton County, Michigan

LINDA F. WELLS
Notary Public, State of Michigan
County of Eaton
My Commission Expires 11-23-2020
Acting in the County of Eaton

**CHARTER TOWNSHIP OF DELTA,
a Michigan Charter Township**

By: Mary R. Clark

Mary R. Clark

Its: Township Clerk

STATE OF MICHIGAN)
)ss
COUNTY OF EATON)

On this 18 day of September, 2018 before me, a Notary Public in and for said County, appeared Mary R. Clark, Township Clerk, Charter Township of Delta, a Michigan Charter Township to me personally known to be the person described in and who executed the foregoing instrument and acknowledged the same to be his free act and deed.

Linda F. Wells
Linda F. Wells, Notary Public
Eaton County, Michigan
My commission expires: 11/23/2020
Acting in Eaton County, Michigan

LINDA F. WELLS
Notary Public, State of Michigan
County of Eaton
My Commission Expires 11-23-2020
Acting in the County of Eaton

Exhibit A

West Willow Highway Canoe Launch-Legal Description

Parcel # 040-006-400-1500-00

Town 04 North, Range 03 West, Section 6

The south fraction of the Southeast quarter (SE $\frac{1}{4}$), Except the East 80 rods in width thereof. Also except and less, this parcel being a part of the Southeast fractional quarter of Section; commencing at the South quarter line post; thence North 12 rods; thence West 12 rods (measured as 202 feet per survey done by Fred White, survey No. 677488 dated July 18, 1967); thence South 12 rods; thence East 12 rods to the place of beginning. Also except the East 14 acres of that part of the South fraction of the Southeast fractional quarter of Section lying West of a line continued North to Grand River from the East boundary of the West half of the Northeast quarter (W $\frac{1}{2}$ NE $\frac{1}{4}$) of Section (7). Also except and less the East 150 feet of the West 455 feet of the South 136 feet of the West half of the Southeast quarter (W $\frac{1}{2}$ SE $\frac{1}{4}$) lying South of the river. Also described as that part of the Southwest quarter (SW $\frac{1}{4}$) lying Southeasterly of the Grand River except the South 12 rods, and the West half of the Southeast quarter (W $\frac{1}{2}$ SE $\frac{1}{4}$) lying South of the river, except the East 14 acres and except the East 150 feet of West 455 feet of the South 136 feet.

Catch Basin/Manhole Cleaning

Facility Name	Date
Delta Township Administrative Complex	7/27/2016
Delta Fire Station No. 1	7/27/2016
Catch Basin 921	7/27/2016
Catch Basin 922	7/27/2016
Catch Basin 3820	7/27/2016
Catch Basin 144	7/27/2016
Catch Basin 3278	7/27/2016
Catch Basin 3276	7/27/2016
Catch Basin 26155	7/27/2016
Catch Basin 3277	7/27/2016
Catch Basin 3274	7/27/2016
Catch Basin 5360	7/27/2016
Catch Basin 3819	7/27/2016
Catch Basin 26148	7/27/2016
Catch Basin 3275	7/27/2016
Catch Basin 3272	7/27/2016
Catch Basin 3273	7/27/2016
Catch Basin 5532	7/27/2016
STM 125	7/27/2016
STM 126	7/27/2016

Parking Lot Sweeping

Facility Name	Address	Date
Delta Township Administrative Complex & Delta Fire Station No. 1	7710 W. Saginaw Hwy. & 811 N. Canal Rd.	8/1/2016
Delta Township District Library	5130 Davenport Dr.	7/27/2016
Snow Rd. Ground Storage & Delta Fire Station No. 3	209 Snow Rd. Hwy. & 215 Snow Rd.	7/27/2016
Delta Enrichment Center	4538 Elizabeth Rd.	7/27/2016
Player's Club Park	925 S. Canal Rd.	7/27/2016
Sharp Park	1401 Elwood Rd.	7/27/2016

From: [Alwin, Christe \(EGLE\)](#)
To: [Jennifer Bernardin](#)
Cc: [Ernie West](#); [Walt Kulasa](#); [Cliff Walls](#)
Subject: RE: NPDES Individual Permit No. MI0059725; Designated Name: Delta Twp MS4-Eaton
Date: Friday, March 12, 2021 3:47:57 PM
Attachments: [image001.png](#)

Thank you Jennifer. I appreciate the effort to implement the approved SWMP. We can correct the TMDL reference in the next permit.

Have a good weekend!
Christe

From: Jennifer Bernardin <JBernardin@deltami.gov>
Sent: Thursday, March 11, 2021 3:48 PM
To: Alwin, Christe (EGLE) <ALWINC@michigan.gov>
Cc: Ernie West <EWest@deltami.gov>; Walt Kulasa <WKulasa@deltami.gov>; Cliff Walls <cwalls@mitcrpc.org>
Subject: NPDES Individual Permit No. MI0059725; Designated Name: Delta Twp MS4-Eaton

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Christe,

Per our conversation on March 3, 2021, this email is a follow up to the NPDES Permit that was issued to Delta Township in January 2020.

The highlighted part below was omitted. Delta Township will continue to follow the approved SWMP and its associated TMDL implementation plan for Grand River E. Coli.

<u>Name of TMDL</u>	<u>Pollutant of Concern</u>
Carrier Creek	Sediment
Grand River	E. Coli

Please let us know if you have any questions.

Jennifer Bernardin
Engineering Department Assistant
Delta Charter Township
7710 W. Saginaw Hwy
Lansing, MI 48917
jbernardin@deltami.gov
www.deltami.gov
P: (517) 816-8280



From: Stiles, Jessica (EGLE) [<mailto:StilesJ1@michigan.gov>]

Sent: Friday, January 31, 2020 1:05 PM

To: Walt Kulasa <WKulasa@deltami.gov>

Cc: Alwin, Christe (EGLE) <ALWINC@michigan.gov>

Subject: National Pollutant Discharge Elimination System NPDES Individual Permit No. MI0059725;
Designated Name: Delta Twp MS4-Eaton

Dear Mr. Kulasa:

Your NPDES Permit has been processed in accordance with the appropriate state and federal regulations. It contains the requirements necessary for you to comply with state and federal water pollution control laws. Your NPDES permit can be accessed by logging into the Michigan Department of Environment, Great Lakes, and Energy's (EGLE) MiWaters website at <https://miwaters.deq.state.mi.us>. On the left side of the screen, select your site, then select "Documents." To narrow down the list of documents, type "NPDES permit - FINAL" in the search field in the "Name" column, and look for the latest version of your permit.

The issuance of this permit does not authorize the violation of any federal, state, or local laws or regulations, nor does it obviate the necessity of obtaining such permits, including any other EGLE permits, or approvals from other units of government as may be required by law.

REVIEW THE PERMIT EFFLUENT LIMITS AND COMPLIANCE SCHEDULES CAREFULLY. These are subject to the criminal and civil enforcement provisions of both state and federal law. Permit violations are audited by EGLE and the United States Environmental Protection Agency (USEPA), and may appear in a published quarterly noncompliance report made available to agencies and the public.

Your monitoring and reporting responsibilities must be complied with in accordance with this permit. If required by the permit, self-monitoring data shall be submitted via EGLE's MiWaters system. Other reports and notifications shall also be submitted via MiWaters, unless instructed otherwise.

Sincerely,

Jessica Stiles

Environmental Quality Analyst
Industrial and Storm Water Permits Unit
Permits Section | Water Resources Division
Michigan Department of Environment, Great Lakes, and Energy
525 West Allegan | P.O. Box 30458 | Lansing, MI 48909
stilesj1@michigan.gov | 517-284-5590

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