PARSONS BRINCKERHOFF

November 5, 2014

Dan Sullivan
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155

Subject: TH-210 (SP 0916-29)

Dear Dan,

Enclosed you will find the Storm Water Pollution Prevention Plan and NDPES Application for the TH-210. A MPCA review is requested as the project is located in a National Park and stormwater from the site could potentially drain to a special or impaired water surface.

The purpose of the project is to stabilize slopes and reconstruct portions of the roadway damaged during the June 2012 landslides and flooding along TH-210 in Jay Cooke State Park. The project is located in Carlton and St. Louis counties, starting from the intersection of Jay Cooke Road, on the west, and proceeding easterly toward the junction of TH 23 in Fond Du Lac, ending about 0.5 miles east of the Carlton county line. The project consists of stabilizing in-slopes and back-slopes, improving permanent erosion control and hydraulic design, and providing roadway and shoulder repairs along TH 210 in order to reopen the highway for public traffic. There are 4 designated high priority geotechnical site clusters and approximately 60 in-slope and back-slope stability priority site clusters. Permanent storm water management will not be required since there will be no addition of impervious surface. There will be no permanent impact of wetlands during this project.

The awarded contractor will be required to finalize and submit the NDPES Application and Storm Water Pollution Plan, as they are currently preliminary documents.

Sincerely,

Ann Wallenmeyer
EIT
Parsons Brinckerhoff
520 Nicollet Mall, Suite 800
Minneapolis, MN 55402
612-677-1276 (Office)

Attached:

Storm Water Pollution Prevention Plan
NDPES Application for TH-210

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

PROJECT NAME/LOCATION

S.P. 0916-29 is located on T.H. 210 from RP 222+00.864 to RP 227+00.790 in Carlton and St. Louis counties, near the city of Thomson, MN.
Latitude: 46.6681 Longitude: 92.3222 (from Google Earth) Zip Code(s): 55718, 55733.
This project will disturb 23.8 acres and does discharge to special or impaired waters.

ENVIRONMENTAL REVIEW

There are no stormwater mitigation measures required as a result of an environmental, archeological or agency review. All mitigation measures have been addressed in this plan set or the special provisions.

PROJECT DESCRIPTION/NARRATIVE

This project will reconstruct portions of roadway, in-slopes and back-slopes of TH 210 within Jay Cooke State Park that were damaged during June 2012 flooding, in order to minimize the risk of slope and roadway damage due to future storm events. There are three slopes designated as high priority geotechnical site clusters, located at the project's West end, a hairpin turn, and at the county line between Carlton and St. Louis counties. This project's Western limit is TH 210's intersection with Jay Cooke Road, and its Eastern limit lies about 0.5 miles East of the Carlton county line in St. Louis county.

LONG TERM MAINTENANCE AND OPERATION

MnDOT District 1 maintenance staff are responsible for the long term maintenance and operation of the permanent stormwater system.

PROJECT CONTACTS

The project engineer and contractor are responsible for implementation of the SWPPP and installation, inspection, and maintenance of the erosion prevention and sediment control BMPs before, during and after construction until the Notice of Termination (NOT) has been submitted with the Minnesota Pollution Control Agency (MPCA). MnDOT District 1 staff and members of MnDOT's Office of Environmental Stewardship are also available for technical assistance.

MnDOT District 1 Construction Engineer Name XXX-XXX-XXXX Address Email	MnDOT District 1 Maintenance Supervisor (owner) Name XXX-XXX-XXXX Address Email	Contractor is: Co-Permitee

ORGANIZATION	CONTACT NAME	PHONE	PERMIT NO.
MnDOT District 1 Design	Derek Fredrickson	218-725-2744	N/A
MnDOT District 1 Hydraulics (SWPPP Designer)	NAME	XXX-XXX-XXXX	N/A
Construction Site Manager	NAME	XXX-XXX-XXXX	N/A
MnDOT Office of Environmental Sterwardship	NAME	XXX-XXX-XXXX	N/A
MN Department of Natural Resources	NAME	XXX-XXX-XXXX	XXXXX
Minnesota Pollution Control Agency	NAME	XXX-XXX-XXXX	XXXXX
Army Corp of Engineers	NAME	XXX-XXX-XXXX	XXXXX
Watershed District	NAME	XXX-XXX-XXXX	XXXXX
County Ag Inspector	NAME	XXX-XXX-XXXX	XXXXX

MPCA 24 HOUR EMERGENCY NOTIFICATION: 651-649-5451 TOLL FREE: 800-422-0798

EROSION CONTROL SUPERVISOR

In accordance with spec. 2573.3 A1 the contractor shall provide an Erosion Control Supervisor with a valid certification to direct the contractor and subcontractors operations and insure compliance with federal, state and local ordinances and regulations.

The Erosion Control Supervisor will work with the project engineer to oversee the implementation of the SWPPP and the installation, inspection, and maintenance and repair of the erosion prevention and sediment control BMPs before, during and after construction until the NOT has been filed with the MPCA.

The Erosion Control Supervisor is responsible for complying with all the inspection and maintenance requirements stated in the NPDES permit. Inspections of the entire construction site will occur a minimum of once every seven days during active construction and within 24 hours after a rainfall event greater than 0.5 inches in 24 hours. The Erosion Control Supervisor will oversee inspection of all erosion prevention and sediment control BMPs to ensure integrity and effectiveness of each BMP. All inspections and maintenance conducted during construction must be recorded in writing (within 24 hrs.) and these records must become part of the SWPPP. Inspection reports must be submitted to the project engineer in a format that meets or exceeds the project engineer's expectations. Records of each inspection and maintenance activity shall include:

A. Date and time of inspections;
B. Name of persons conducting inspections;
C. Findings of inspections, including specific locations where corrective actions are needed;
D. Corrective actions taken, including dates, times, and party completing maintenance activities;
E. Date and amount of all rainfall events greater than 0.5 inch in 24 hours;
F. Photograph and description of discharge (i.e. color, odor, floating, settled or suspended solids, foam, oil sheen,etc.); and
G. Documents and changes made to the SWPPP.

LOCATION OF SWPPP REQUIREMENTS

The required SWPPP elements are located in several places within the plan set as well as in the special provisions and MnDOT spec book (2014 edition). Soils maps are on file at the MnDOT Mankato office. The notes and table below are a quick reference for the contractor and project engineer to use in the field. There may be additional required SWPPP elements included on the project that are not listed on this sheet.

LOCATION OF SWPPP REQUIREMENTS IN PROJECT PLAN

DESCRIPTION	LOCATION
SITE MAP & EROSION CONTROL SHEETS	SHEETS NO. 1, XX-XX
POND CONTOUR SHEETS	SHEETS NO. XX-XX
DIRECTION OF FLOW	SHEETS NO. XX-XX
FINAL STABILIZATION	SHEETS NO. XX-XX
SOILS AND CONSTRUCTION NOTES	SHEETS NO. XX-XX
DRAINAGE STRUCTURES	SHEETS NO. XX-XX
DRAINAGE TABULATION	SHEETS NO. XX-XX
STORM SEWER PLAN/PROFILE SHEETS	SHEETS NO. XX-XX
STORM SEWER TABULATION	SHEETS NO. XX-XX
EROSION AND SEDIMENT CONTROL DETAILS	SHEETS NO. XX-XX
EROSION CONTROL TABULATION	SHEETS NO. XX-XX
TURF ESTABLISHMENT TABULATION	SHEETS NO. XX-XX

SWPPP TRAINING

This SWPPP was prepared by MnDOT personnel certified, or under the supervision of someone certified, in the design of construction SWPPPs. Copies of the certifications are on file with MnDOT and are available upon request. The contractor is responsible for providing an erosion control supervisor with valid certification that is responsible for overseeing the implementation of the SWPPP. The contractor must provide proof of certification at the preconstruction meeting and will not be allowed to commence work until proof of certification has been provided to the project engineer.

PROJECT WATERBODIES

The following waterbodies are located within one mile of the project limits and receive runoff from the project site. If any of the waterbodies are special or impaired waters, the BMPs described in Appendix A of the NPDES permit will apply to all areas of the site. Approved TMDL implementation plans are also listed.

NAME	TYPE	SPECIAL?	IMPAIRED?	APPROVED TMDL?
Forbay Lake	Lake	No	No	No
St. Louis River	River	Yes	Yes	No
Gill Creek	Creek	Yes	No	No
Mission Creek	Creek	Yes	No	No
Little River	Stream	No	No	No

ENVIRONMENTAL SENSITIVE AREAS AND INFESTED WATERS

Environmental Senstivie Areas within the Project include the St. Louis River, St. Louis Bay, Gill Creek, Forbay Lake, Little River Stream and wetlands located outside of the project limit.

The St. Louis River has been listed by the DNR as being infested by the following invasive species within 1 mile of the project limits: spiny waterflea, faucet snail, New Zealand mud snail, round goby, ruffe, VHS, white perch, and zebra mussel.

LAND FEATURE CHANGES

Total disturbed area: 23.8 acres
Total existing impervious surface area: 2.17 acres
Total proposed impervious surface area: 2.17 acres
Total proposed net change in impervious surface area: 0.0 acres

ADDITIONAL SWPPP REQUIREMENTS

-Timing for Installation is described in General SWPPP notes and are specified relative to contractor schedule.
-BMP Design Factors are incorporated in the design of BMP Standard Detail Sheets.
-Soil Management:
Soil types typically found on this project are general udorthents, complex udalfs-eutrudepts soils, and campia silt loam.
Preservation Projects: all work is done within road core so there will be no disturbance or compaction outside of road core.
Grading Projects: subsoiling and seeding practices will be done to mitigate for compatction and disturbance beyond road core.
-All MPCA Construction Activity Requirements are incorporated into this SWPPP and associated plan documents.

PRELIMINARY

I HEREBY CERTIFY THAT SHEETS THROUGH WERE PREPARED BY MY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

CERTIFIED BY .....
LICENSED PROFESSIONAL ENGINEER LIC NO. DATE

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (CONTINUED)

GENERAL SWPPP NOTES FOR CONSTRUCTION ACTIVITY

1. Construction shall be governed by the NPDES Construction Stormwater Permit, MnDOT Spec Book (2014 Edition), project plans, and special provisions. Reference special provision 1717 for additional MPCA NPDES requirements. The contractor will develop a chain of command with all operators on the site to ensure that the SWPPP will be implemented and stay in effect until the construction project is complete, the entire site has undergone final stabilization, and the NOT has been submitted.

2. The contractor will prepare a written, weekly schedule of proposed erosion control activities for the Project Engineer's approval as per MnDOT Spec 1717.2C.

3. The contractor will prepare and submit a site plan for the Engineer's approval as per MnDOT Spec 1717.2D for concrete management, work in environmentally sensitive areas, areas identified in the plans as "site plan requirement area", any work that will require dewatering, the staging of inlet protection devices over the life of the contract, and as requested by the engineer. All site plans must be submitted to the engineer in writing. The contractor shall allow a minimum of 7 days for MnDOT to review and approve site plan submittals. The contractor will not be allowed to commence work for which a site plan is required until approval has been granted by the engineer. The contractor will not be given any extra time in the contract due to the untimely submittal of a site plan.

4. The contractor will comply with the requirements regarding pollution prevention management during construction, which will include, but not be limited to:
   - A. Concrete washout areas for use by all subcontractors and MnDOT personnel must be identified by signage. These areas must be at least 200' from site plan requirement areas or environmentally sensitive areas, and utilize a leak-proof containment facility or impermeable liner that prevents runoff onto adjacent soils. An engineered collection system can also be used if it is approved by the project engineer. Liquid and solid waste must be disposed of properly and in compliance with all MPCA regulations.
   - B. Solid waste including, but not limited to, collected sediment, asphalt and concrete millings, floating debris, paper, plastic, fabric, construction and demolition debris, and other wastes, must be disposed of properly and in compliance with MPCA disposal requirements.
   - C. Hazardous waste, such as, oil, gasoline, paint, and other hazardous substances, must be properly stored, including secondary containment, to prevent spills, leaks, or other discharge. Restricted access to storage areas must be provided to prevent vandalism. Storage and disposal of hazardous waste must be in compliance with MPCA regulations.
   - D. External washing of trucks and other construction vehicles must be limited to a defined area of the site and runoff must be contained and properly disposed of. Engine degreasing is not allowed on site.
   - E. Chemical spill kits must be available on site at all times.
   - F. Portable restroom facilities must be anchored to prevent tipping.

5. Chemicals must be kept in a secure storage area when not in use. Chemical storage containers must have secondary containment when being used or stored on the project site. Chemical spills of any kind (oil, fuel, fertilizer, etc.) must be cleaned up and removed from the site immediately.

6. The contractor is responsible for creating and following a written disposal plan for all waste materials, and submitting the plan to the engineer. The plan will include how the material will be disposed of and the location of the disposal site.

7. Burning of any material is not allowed within project boundary.

8. The erosion prevention and sediment control BMPs shall be placed as necessary to minimize erosion from disturbed surfaces and to capture sediment onsite. All erosion control measures shall be in place prior to starting any removal work and/or ground disturbing activities and shall be maintained until temporarily or permanently stabilized.

9. Sediment control devices must be established on all down gradient perimeters before any up gradient land disturbing activities begin.

10. Storm sewer inlets will be protected at all times with the appropriate inlet protection for each specific phase of construction. Inlet protection devices may need to be placed multiple times in the same location over the life of the contract. Inlet protection devices will be paid for once per inlet regardless of the number of times the BMPis placed. All storm sewer inlet protection devices will be kept in good functional condition at all times. If the project engineer deems an inlet protection device to be nonfunctional, in poor condition, ineffective, or not appropriate for the current construction activities it will be replaced with a suitable alternative at no cost to MnDOT.

11. The contractor will place construction exits, as necessary, to prevent tracking of sediment onto paved surfaces and in compliance with part IV of the NPDES permit. Construction exits will be sufficiently sized and maintained to prevent track out. Type 5 mulch (slash mulch) or an approved engineered product will be allowed for construction exits in lieu of crushed rock.

12. All stormwater, including dewatering, must be discharged in a manner that does not cause nuisance conditions or erosion in receiving channels, downslope properties or inundation in wetlands causing an adverse impact to the wetland as determined by the engineer.

13. Backfill placed in streams shall consist of rock or granular material free of fines, silts, and mud. Machinery shall be cleaned of all such material and free of grease, oil, etc. before entering the stream.

14. Slopes steeper than 1:3 (V:H) and greater than 75' in length shall be temporarily or permanently stabilized in increments not to exceed 75' in length prior to constructing or disturbing a new increment. If temporary or permanent stabilization is not feasible at a particular site, a sediment basin or other approved sediment control measure will be allowed as approved by the engineer.

15. Land disturbance and removal of riparian (streamside) vegetation shall be minimized.

16. All exposed soil areas must be temporarily or permanently stabilized no more than 14 days (7 days if within 1 mile of and draining to a special or impaired water) after construction activity on that portion of the site has temporarily or permanently ceased. In many instances, this will require stabilization to occur more than once during rough grading. Rapid stabilization methods 1, 2, 3 or 4 will be used to provide temporary cover, as appropriate, in these areas.

17. All temporary or permanent drainage ditches or swales that drain water from the construction site or divert water around the construction site must be stabilized to top of bank within 200 lineal feet from the property edge or point of discharge to any surface water. Stabilization must occur within 24 hours of connection to surface water, existing gutter, storm sewer inlet, drainage ditch, or other stormwater conveyance system according to MnDOT Spec 1717.2A. Rapid stabilization Method 4 will be used to stabilize these areas. The remainder of the ditch must be stabilized within 14 days (7 days if within 1 mile of and draining to a special or impaired water) of connecting to the surface water. Permanent erosion control blanket or rapid stabilization Method 4 will be used to stabilize these areas. Disc anchored mulch and hydraulic soil stabilizers are not allowed to be used for permanent ditch stabilization.

18. Outlets shall be permanently or temporarily stabilized with energy dissipation within 24 hours of being constructed.

19. All exposed soil areas will be stabilized prior to the onset of winter. Any work still being performed will be snow mulched, seeded, or blanketed within the time frames indicated in the NPDES permit.

20. The contractor shall comply with the following inspection and maintenance requirements:
   - A. Perimeter control devices must be repaired, replaced, or supplemented when it becomes non-functional or sediment reaches 1/2 the height of the device. Repairs must be made within 24 hours of discovery.
   - B. Inlet protection devices should be repaired when they become non-functional or sediment reaches 1/3 the height and/or depth of the device.
   - C. Temporary and permanent sediment basins must be drained and have the sediment removed once the sediment has reached 1/2 the storage volume within 72 hours of discovery.
   - D. Tracked sediment must be removed within 24 hours of discovery of tracking onto paved surfaces.
   - E. All other non-functional BMPs must be repaired, replaced, or supplemented within 24 hours of discovery.
   - F. Contractor is responsible for maintaining all BMPs until all soil disturbing work has been completed, site has gone under final stabilization, and the NOT has been submitted.

21. If sediment deposits in a surface water (including drainage ditches and conveyance systems), the material must be removed within 7 days.

22. Pavement surfaces shall be swept within 24 hours of discovery of sediment or tracking onto pavement that drains to curbs, inlets, ditches, or ponds. Pavement shall be lightly wetted prior to sweeping.

23. Temporary dewatering activities may be required for roadway construction and utility work. Therefore it is possible that a permit for the temporary appropriation of waters of the state, non-irrigation from MnDNR will be required for this project. The contractor will be responsible for obtaining this permit. All temporary dewatering shall be discharged to an approved location for treatment prior to discharge to the receiving water. The contractor is required to submit site plans to MnDOT engineer for approval prior to commencing work according to MnDOT Spec 1717.2D.

24. Final stabilization requires that:
   - A. All soil disturbing activities at the site have been completed.
   - B. All soils have been stabilized by a uniform perennial cover with a density of 70% or other equivalent means to prevent soil failure under erosive conditions.
   - C. All accumulated sediment has been removed from permanent water quality basins.
   - D. The permanent stormwater management system has been constructed and is operating as designed.
   - E. All temporary synthetic and structural erosion prevention and sediment control BMPs have been removed.

25. The size and elevation of storm sewer pipes, inlets and overflow devices have been specifically designed to conform to MnDOT design standards, MPCA and watershed district permit requirements. The design computations are on file with MnDOT District 1 Hydraulics. Changing flow directions, quantities, or patterns is not permitted. Any changes to the size, elevation or direction of flow of the drainage system must be approved by the hydraulics engineer.

26. The NOT form can be found on the MPCA Stormwater Program for Construction Activity webpage. Submit the completed NOT form to the MnDOT District 1 Construction Office for final submittal to MPCA.

Note: information on this sheet is available in the permit and is not intended to be all inclusive. Modifications from the permit will be underlined for quick identification.

PRELIMINARY

CERTIFIED BY ..... LICENSED PROFESSIONAL ENGINEER LIC NO. DATE

SWPPP

STATE PROJ. NO. 0916-029 (TH 210) SHEET NO. @SWPPP@TZ@SHEETS

Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194

Application for General Stormwater Permit for Construction Activity

(NPDES/SDS Permit: MN R100001)

Construction Stormwater Permit Program

Doc Type: Permit Application

Instructions on Page 4

To obtain a Submittal Number, please contact the Construction Stormwater Program staff at 651-757-2119 or 800-657-3804 or by e-mail at csw.pca@state.mn.us. **Note:** this form will be returned to sender without a Submittal Number granted by the Minnesota Pollution Control Agency (MPCA).

Submittal No.: _____

Please read: *All permits must be applied for online unless granted a Submittal Number from the MPCA.* Sites that disturb 50 acres or more and have a discharge point within one mile of, and flows to, a Special or Impaired Water listed in Appendix A of the Construction Stormwater General Permit must apply using this form with the MPCA-granted Submittal Number, 30 days before the anticipated start date. Mail, fax, or deliver this Permit Application, Stormwater Pollution Prevention Plan (SWPPP), and the required attachments (if applicable) to the MPCA. SWPPPs may be submitted electronically to: csw.pca@state.mn.us or you may request other electronic means of submittal.

This form is for new permit applications only. Use the *Notice of Termination/Permit Modification* form to transfer permit coverage for a project or a portion of a project to a new owner/contractor. Forms are available at the MPCA's Construction Stormwater website: http://www.pca.state.mn.us/water/stormwater/stormwater-c.html.

Please refer to the application instructions and the National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) General Stormwater Permit for Construction Activity (MN R100001) as you complete this form. Brackets '[ ]' refer to specific parts of the permit.

Submit form and check to: Fiscal Services – 6th floor
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194

Questions: Call the Construction Stormwater Program at 651-757-2119 or toll-free at 800-657-3804.

Application Checklist (check to determine if ready to apply)

1. Stormwater Pollution Prevention Plan (SWPPP):

a. Has a SWPPP been developed for this project and incorporated into the project's plans and specifications as required in the General Stormwater Permit [Part III.A]? ☒ Yes ☐ No

b. If an environmental review was required for this project or any part of a common plan of development or sale that includes this project, has this review been completed and all Stormwater related mitigation measures contained in it incorporated into the SWPPP [Part III.A.6]? ☐ Yes ☐ No ☒ N/A

2. Discharges to special or impaired waters:

a. If any portion of the project has a discharge point within one mile (aerial radius measurement) of a special water or a water that is impaired for sediment or a sediment related parameter [Appendix A. Part B.10], does the SWPPP contain the additional requirements found in Appendix A, Part A-C? If the project does not have a discharge point within one mile of a special water or a water that is impaired for sediment or a sediment related parameter of the permit indicate 'NA'. ☒ Yes ☐ No ☐ N/A

***Stop* if you responded 'No' to any question above.**
A SWPPP must be developed prior to submitting a permit application.
Complete the above requirements and check 'Yes' before submitting this application.
Continue if you responded 'Yes' or 'N/A' to all questions above.

3. Additional application review:

a. Will the project disturb 50 acres or more **and** is there a discharge point within one mile of an impaired or special water whose discharge may reach an impaired or special water listed in Appendix A of the permit? [Part II.B.1.b] If yes, this application and the SWPPP must be submitted a minimum of 30 days before construction starts. ☒ Yes ☐ No

b. If 'Yes,' is the SWPPP (including a map of the project) included with this application or has it been submitted to the MPCA? ☒ Yes ☐ No

4. Application fee:

a. Is the required $400 Application Fee (payable to the MPCA) enclosed? ☐ Yes

Construction Activity Information

5. Project name:

TH 210

6. Project location:

a. Briefly describe where the construction activity occurs (For example: "Intersection of 45th St. and Irving Ave.") Include address if available:

Carlson County Segments - Intersection with Jay Cooke Road to Carlson-St. Louis County line

St. Louis County Segments - Carlson-St. Louis County line to approx. 0.5 miles East of County line

b. List all of the cities where the project will occur:

Thomson

c. List all of the counties where the project will occur:

Carlton, St. Louis

d. List all of the townships where the project will occur:

e. Project zip code: 55718, 55733

f. Latitude and longitude of approximate centroid of project:

Latitude: 46.6681 ○ N (decimal) *Preferred* *Longitude:* 92.3222 ○ W (decimal) *Preferred*

46 ○ 40 ' 05 N (degrees, minutes, seconds) 92 ○ 19 ' 20 W (degrees, minutes, seconds)

g. Method used to collect latitude and longitude:

☐ GPS ☐ USGS topographic map – map scale: ☒ Other: Google Earth

7. Project size:

Number of acres to be disturbed to the nearest tenth acre: 23.8

8. Project type:

☐ Residential
☐ Commercial/Industrial
☒ Road construction
☐ Residential/Road construction
☐ Commercial/Road construction
☐ Commercial/Residential/Road construction

☐ Other: Slope Stabilization

9. Cumulative impervious surface:

a. Existing area of impervious surface in acres: 2.17

b. Post-construction area of impervious surface in acres (If additional new impervious surface created by the project is less than one acre, skip to Question 11): 2.17

10. Permanent stormwater management:

Check the type **(check all that apply)** of permanent stormwater management that will be used if one or more acres of new impervious surface area is created by this project [Part III.D].

☐ Infiltration
☐ Stormwater harvest and reuse
☐ Filtration
☐ Wet sedimentation basin
☐ Regional ponding
☐ Other (e.g., payment in lieu of onsite treatment, green roofs or other technologies)

11. Receiving waters:

Identify surface waters within one mile of project boundary that will receive stormwater from the site or discharge from permanent stormwater management system. Include waters shown on USGS 7.5 minute quad or equivalent, and all Special Waters and Impaired waters identified in Appendix A of the permit (To find Special or Impaired Waters, use the Special and Impaired Waters Search tool at http://www.pca.state.mn.us/water/stormwater/stormwater-c.html). The Impaired Waters* list, also known as the Section 303(d) list can be found at http://www.pca.state.mn.us/water/tmdl/index.html. Attach additional paper if necessary.

* Impaired waters for the purpose of this permit are those identified as impaired for the following pollutant(s) or stressor(s): phosphorus, turbidity, dissolved oxygen, or biotic impairment.

Name of water body	**Type of water body** (Ditch, pond, wetland, stream, river, calcareous fen)	**Special Water?** (See Stormwater Permit, Appendix A)	**Impaired Water?** (See Stormwater Permit, Appendix A)
St. Louis	River	☒ Yes ☐ No	☒ Yes ☐ No
Forbay	Lake	☐ Yes ☒ No	☐ Yes ☒ No
Gill	Creek	☒ Yes ☐ No	☐ Yes ☒ No
Mission	Creek	☒ Yes ☐ No	☐ Yes ☒ No

12. Dates of construction:

Note: For the purposes of this permit, the construction start date is defined as the day land disturbing activity is expected to commence.

a. Start date (mm/dd/yyyy): _____ b. Estimated completing date (mm/dd/yyyy): _____

13. Applicant type:

Select the title below that best describes you as the person completing this application for this Permit.

☐ Owner of project or site (company)
☐ Operator/General contractor
☐ 3rd party agent of behalf of permittee

Both parties must sign

This form will not be accepted if the owner and contractor contact information sections are not completed and signed. *Note: If the owner is also the contractor, or a contractor has not yet been selected, the owner must also fill out the contractor information section and sign again.*

Certification

Owner

Name of firm or organization: MnDOT

Mailing address: 1123 Mesaba Ave

City: Duluth State: MN Zip code: 55811

Contact name: Derek Fredrickson Title: Project Manager

Contact phone: 218-725-2744 E-mail: derek.fredrickson@state.mn.us

Alternate contact: _____ Phone: _____ E-mail: _____

Operator/General Contractor

Name of firm or organization: _____

Mailing address: _____

City: _____ State: _____ Zip code: _____

Contact name: _____ Title: _____

Contact phone: _____ E-mail: _____

Alternate contact: _____ Phone: _____ E-mail: _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or the persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify under penalty of law that I have read, understood, and accepted all terms and conditions of the NPDES/SDS General Stormwater Permit Construction Activity (MN R100001) that authorizes stormwater discharges associated with the construction site identified on this form.

Authorized signatures

This application must be signed by:

- ***Corporation:*** *a principal executive officer of at least the level of vice-president or the duly authorized representative or agent of the executive officer if the representative or agent is responsible for the overall operation of the facility that is the subject of the permit application.*
- ***Partnership or Sole Proprietorship:*** *a general partner or the proprietor.*
- ***Municipality, State, Federal, or Other Public Agency:*** *principal executive officer or ranking elected official.*

Owner:

Print name: Derek Fredrickson

Title: Project Manager Date: _____

Signature: _____

Operator/General Contractor

Print name: _____

Title: _____ Date: _____

Signature: _____

Instructions

Submission of an application is notice that the owner and general contractor identified on the application intend to be authorized by an NPDES/SDS permit issued for Stormwater discharges associated with a construction activity in the State of Minnesota.

All permits must be applied for online unless granted a Submittal Number from the Minnesota Pollution Control Agency (MPCA). Sites that disturb 50 acres or more and have a discharge point within one mile of a Special or Impaired Water listed in Appendix A of the Construction Stormwater General Permit must apply using this form with the MPCA granted Submittal Number, 30 days before the anticipated start date. Mail, fax, or deliver this Permit Application, Stormwater Pollution Prevention Plan (SWPPP), and the required attachments (if applicable) to the MPCA. SWPPPs may be submitted electronically to: csw.pca@state.mn.us or you may request other electronic means of submittal.

To obtain a Submittal Number, please contact the Construction Stormwater Program staff at 651-757-2119 or 800-657-3804 or by e-mail at csw.pca@state.mn.us. Note: this form will be returned to sender without a Submittal Number granted by the Minnesota Pollution Control Agency (MPCA).

Application Checklist (check to determine if ready to apply)

1. Indicate if a **Stormwater Pollution Prevention Plan** (SWPPP) has been prepared and the appropriate sections (a. and b. of this question) have been addressed by answering **"Yes" or "No."** A SWPPP is a plan for Stormwater discharge that includes erosion prevention measures and sediment controls that, when implemented, will decrease soil erosion on a parcel of land and decrease pollution in receiving waters. This plan must be developed prior to submitting a permit application. A sample plan and development tools are available from the U.S. Environmental Protection Agency (EPA) Stormwater Pollution Prevention Plans for Construction Activities website at http://cfpub1.epa.gov/npdes/stormwater/swppp.cfm and from the MPCA "Stormwater Compliance Tool Kit for Small Construction Operators".

   For section "b" indicate if an **Environmental Review** has been completed if required, by answering **"Yes" or "No" or "N/A"** (not applicable). Environmental review looks at how a proposed project could potentially affect the environment and looks at ways to avoid or minimize impacts before the project is permitted and built. Examples of categories that may need an environmental review include residential development; industrial, commercial, and institutional facilities; and also highway projects. For certain projects, environmental review is mandatory. For more details see the Guide to Minnesota Environmental Review Rules, Chapter 6 found on the Department of Administration website at http://www.mnplan.state.mn.us/.

2. Discharges to Special or Impaired Waters

   a. Special waters have qualities that warrant extra protection. There are several categories of special waters and the requirements are different for each. A list of these special water categories can be found in Appendix A of the permit. The additional requirements apply only to those portions of a project that drain to a discharge point on the project that is within one mile of and flows to the special water. Refer to Appendix A of the permit for the list of special waters and what additional requirements apply to each. The information is also available using the Special and Impaired Waters Search Tool found on the MPCA Stormwater Program for Construction Activity webpage at http://www.pca.state.mn.us/wfhya5b.

Impaired waters are bodies of water that do not meet the water quality standards set up for their designated use as determined by the State. Projects discharging to impaired waters also have additional requirements. The additional requirements apply only to those portions of a project that drain to a discharge point on the project that is within 1 mile of and flows to the impaired water. The specific requirements can be found in Appendix A of the permit. Impaired waters for the purpose of this permit are limited to those identified as impaired pursuant to section 303(d) of the Clean Water Act where the pollutant(s) or stressor(s) are phosphorus (nutrient eutrophication biological indicators), turbidity, dissolved oxygen, or biotic impairment (fish bioassessment, aquatic plant bioassessment and aquatic macroinvertebtrate bioassessment). Use the interactive Special and Impaired Waters Search Tool (found on the MPCA Stormwater Program for Construction Activity webpage at http://www.pca.state.mn.us/wfhya5b) to determine if your project is required to follow the additional requirements. On the application, indicate if the SWPPP for the project incorporates the additional requirements, if applicable. Consult the MPCA's Minnesota Impaired Waters and TMDLs webpage at http://www.pca.state.mn.us/xggx950 for additional information including a list of impaired waters.

3. Additional Application Review

   a. If the project disturbs **50 acres or more** and has a discharge point (including sheet flow) that is within one mile of and flows to an impaired or special water listed in Appendix A, the application and SWPPP need to be submitted to the MPCA a minimum of **30** days prior to the start of construction.

   b. Include the SWPPP with the application or submit it to the MPCA electronically. SWPPPs may be submitted electronically to: csw.pca@state.mn.us or you may request other electronic means of submittal.

4. The application requires a $400 application **fee**. Indicate that the application fee has been enclosed by answering **"Yes."** Please make checks payable to: **Minnesota Pollution Control Agency** and submit the check with the completed application to: Fiscal Services- 6th Floor, Minnesota Pollution Control Agency, 520 Lafayette Road North, St. Paul, MN 55155-4194. Applications received without the required fee will be returned to the sender.

Construction Activity Information

5. List the construction project's **name**. Be specific. Examples: "Driveway at 123 Main St, Hudson," "Highway 169 bridge replacement (#79605) at the Rum River."

6. Project Location

   a. Provide an **address** (if available) and **brief description** of the construction activity's location (*for example, "North West Corner of the Intersection of 45th Street and Irving Avenue, Minneapolis, MN"*). Use any type of description that accurately portrays the project location.

   b-e. Provide the names of all cities, counties, zip codes, and townships the construction activity takes place in (*for example, a roadway may cross county, city, or township boundaries*).

   f. Give the latitude and longitude of the centroid of the site. If the centroid of the site is not within the site, give the latitude and longitude of a point within the site that is closest to the centroid of the site. Give these values in degrees and decimal of degrees (preferred) alternatively in degrees, minutes and seconds. To obtain the decimals of a degree, divide the minutes by 60 and the seconds by 360 and add this to the degrees.

   g. State how the information was gathered, if by GPS, by using a USGS topographic map (give the scale), or an online tool, such as the Toxics Release Inventory Facility Siting Tool found on the EPA's website at http://www2.epa.gov/toxics-release-inventory-tri-program. To use this tool, type either the zip code or the city/township and the state. Zoom in to obtain the latitude and longitude.

7. List, in acres, the **amount** of area that will be **disturbed** for this project. This is not the size of the property; do not include areas of the project that will not be disturbed.

8. Indicate the type of construction activity by **checking the appropriate box**. Check "Residential and Road Construction" if the road is part of a common plan of development and is developed in association with residential development. If you check "Other", describe the project.

9. Indicate to the nearest quarter acre, the existing and resulting **areas of impervious surfaces**. Impervious surface means a constructed hard surface that either prevents or retards the entry of water into the soil and causes water to run off the surface in greater quantities and at an increased rate of flow than prior to development. **Examples** include rooftops, sidewalks, patios, driveways, parking lots, storage areas, and concrete, asphalt, or gravel roads. (a.) "Existing" area means the area of impervious surface that is present prior to the start of this construction project. (b.) "Post construction" means the entire area of impervious surface after construction is completed. Subtract (a.) from (b.) to determine the area of new impervious surface.

10. For projects creating one or more acres of cumulative new impervious surfaces, **check the appropriate box** to indicate which type(s) of **permanent stormwater management practices** will be used. The "Other" box is limited to those situations (such as proximity to bedrock) that are described in Part III.D of the permit. See the permit for a further description. If the "Other' box is checked, describe which situation outlined in Part III. D fits the project and what other permanent treatment (such as grassed swales, smaller ponds and/or grit chambers) will be used on the project.

11. **Briefly** describe which **water body(s)** will receive stormwater runoff from the construction site or from the discharge from permanent Stormwater management systems by **completing the table**. To determine which water body(s) will receive stormwater runoff discharges, make a brief survey of the project's surrounding area. Include the waters identified on a USGS 7.5-minute quad or equivalent map. See Appendix A Special Waters List of this permit to determine if a water body is a special water found on the MPCA Stormwater Program for Construction Activity website at http://www.pca.state.mn.us/wfhya5b. Impaired waters for the purpose of this permit are those identified as impaired for the following pollutant(s) or stressor(s) phosphorus (nutrient eutrophication biological indicators), turbidity, dissolved oxygen, or biotic impairment (fish bioassessment, aquatic plant bioassessment and aquatic macroinvertebrate bioassessment). The easiest way to find special or impaired waters in addition to all waterbodies is to use the interactive map tool, Special and Impaired Waters Search tool (found on the MPCA Stormwater Program for Construction Activity webpage at http://www.pca.state.mn.us/wfhya5b).
12. List the **start** and estimated **completion dates** of the construction project.
13. Select the title that best describes the person completing this application for this Permit.

Responsible Parties

14. **Owner Information:** Provide the information requested of the owner of the company, organization, or other entity for which this construction project is being done. The **Owner** means the person or party possessing the title of the land on which the construction activities will occur; or if the construction activity is for a lease, easement, or mineral rights license holder, the party or individual identified as the lease, easement or mineral rights license holder; or the contracting government agency responsible for the construction activity. **The owner is the party responsible for the compliance with all terms and conditions of the permit.** The **alternate contact** should be the owner's representative in charge of the project that the MPCA can, if needed, contact regarding the SWPPP or the conditions of the construction site.

    After completing this application, certify it with a **signature and date** from an individual authorized to sign the application. This application form must be signed by either a principal executive officer, vice president, representative agent responsible for overall operations, general partner, or a proprietor. If the activity is being conducted by a unit of government (state, county, municipality, or township), this application must be signed by a principal executive officer or ranking elected official (**for example**, city or county engineer, administrator, or manager; director of public works; mayor, etc.) For additional information, see Minnesota Rules 7001.0060.

15. **Contractor (Operator) Information:** Provide the information requested of the contractor. The **Contractor** means the party who signs the construction contract with the owner to construct the project described in the final plans and specifications. Where the construction project involves more than one contractor, the general contractor will be the party responsible for managing the project on behalf of the owner. In some cases the owner may be the general contractor. In these cases, the owner may contract an individual as the operator who would be the co-permittee. **The operator (usually the general contractor) is jointly responsible with the owner for compliance with Part II.B., Part II.C., and Part IV of the permit.**

    After this application has been completed by the owner, the contractor must certify it with a **signature and date** from an individual authorized to sign the form. The application must be signed by either a principal executive officer, vice president, representative agent responsible for overall operations, general partner, or a proprietor. If the general contractor is a unit of government (state, county, municipality, or township), this application must be signed by a principal executive officer, ranking elected official, administrator, manager, coordinator, or engineer. (For additional information, see Minnesota Rules 7001.0060.) The **alternate contact** should be the contractor's representative in charge of the project that the MPCA can, if needed, contact regarding the SWPPP or the conditions of the construction site.