

Kempton Creek

Bennington, NE

STORM WATER POLLUTION PREVENTION PLAN NARRATIVE (SWPPP-N)

INSTRUCTIONS

The Storm Water Pollution Prevention Plan - Narrative (SWPPP-N) is to be completed in accordance with the current Environment Protection Agency's (EPA) National Pollutant Discharge Elimination System (NPDES) General Storm Water Permit For Construction Activities, State of Nebraska Department of Environmental Quality (NDEQ) – NPDES General Permit for Storm Water Discharges from Construction Sites, and City of Bennington Grading Permit Terms.

APPLICANT

The APPLICANT must certify under penalty of law the following: (1) that, this document and all supporting information has been prepared under their direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted; (2) that, they understand and agree to abide by the terms and conditions contained within the associated Storm Water Pollution Prevention Plan – Site Map (SWPPP-SM), Storm Water Pollution Prevention Plan – Narrative (SWPPP-N); (3) that, to the best of their knowledge and belief information contained in the SWPPP is true, complete, and accurate; (4) that, the SWPPP has been represented and warranted to conform to all applicable Standards, Criteria, Ordinances, Laws, Rules, and Regulations enacted by the -- [a] City of Bennington, [b] Douglas County, [c] State of Nebraska, and [d] United States Federal Government; (5) that, sound and established practices were used for the creation of the SWPPP; (6) that, they are obligated to ensure inspection, reporting, and maintenance requirements occur under the terms of the SWPPP; (7) that, the SWPPP will be implemented as the first element of construction; (8) that, they will retain the services of the designated DESIGNER and INSPECTOR, to perform all design and inspection duties associated with the SWPPP, through a contractual agreement; and (10) that, corrections of defects and deficiencies in design, construction, inspection, implementation, and testing shall be their obligations while acting as APPLICANT. Furthermore, the APPLICANTS SWPPP Certification must appear on the SWPPP-SM.

Business Name	Representative's Email Address	Phone Number	
Representative's Name	Address	Fax Number	
Representative's Title	City	State	Zip Code

DESIGNER

QUALIFICATIONS

Any grading project greater than or equal to 1 acre of disturbed ground (note: Disturbed ground means any area that will be and/or is without vegetative cover) will require that a Stormwater Pollution Prevention Plan (SWPPP) must be developed and implemented. To act as the DESIGNER associated with a grading permit the individual must have one of the following professional qualifications:

- Registered professional engineer in the State of Nebraska.
- Registered professional landscape architect in the State of Nebraska.
- Registered professional architect in the State of Nebraska.
- Qualified professional knowledgeable in the principles and practices of erosion and sediment control.

Engineer Architect Landscape Architect Erosion Control Professional

Business Name	Representative's Email Address	Phone Number	
Representative's Name	Address	Fax Number	
Project # Assigned By DESIGNER	City	State	Zip Code

INSPECTOR

QUALIFICATIONS

Any grading site that is greater than or equal to 1 acre of disturbed ground (note: Disturbed ground means any area that will be and/or is without vegetative cover) will require that a Stormwater Pollution Prevention Plan (SWPPP) must be developed and implemented. To act as the INSPECTOR associated with a grading permit the individual must have one of the following professional qualifications:

- Registered professional engineer in the State of Nebraska.
- Registered professional landscape architect in the State of Nebraska.
- Registered professional architect in the State of Nebraska.
- Qualified professional knowledgeable in the principles and practices of erosion and sediment control.

Engineer Architect Landscape Architect Erosion Control Professional

Business Name _____ Representative's Email Address _____ Phone Number _____

Representative's Name _____ Address _____ Fax Number _____

Project # Assigned By INSPECTOR _____ City _____ State _____ Zip Code _____

1.0 PROJECT DESCRIPTION

1.1 Project Name And Location

Provide all information requested below.

Estimated Start Date _____ Project Number _____ NDEQ Permit Number _____

Project Name _____ Address _____

Subdivision Name _____ S&ID # _____ City _____ County _____

Latitude _____ Longitude _____ State _____ Zip Code _____

1.2 Construction Project Description

Describe the nature/function of the construction project.

Residential Commercial Industrial Road Construction Linear Utility

Other (please specify): _____

1.3 Sequence Of Major Construction Activities

Describe the intended sequence of major construction activities (Estimated Start and End dates for each phase of the project).

1.4 Site Data

Provide requested site data.

Total Site Area (Acres)

Estimated Permit Duration (Months)

Disturbed Area (Acres)

Cut Volume (YD^3)

Undisturbed Area (Acres)

Fill Volume (YD^3)

1.5 Name Of Receiving Waters

Identifying and name any receiving waters within one mile of the site. ****Note:** A general location map (e.g., USGS quadrangle map, a portion of the city or county map, or other map) with enough detail to identify the location of the construction site should be included as part of the SWPPP Site Map

1.6 Industrial Activities

Indicate the location of any storm water discharges associated with support activities (e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, borrow areas, etc.) and describe controls to minimize pollutants from those sources.

1.7 Pollution Sources

Identify all potential sources of pollution that might affect the quality of storm water discharge from the site.

1.8 Operators

Identify the types of OPERATORS (e.g., grading contractor; residential and commercial lot builders; public improvement contractor; sub contractors; suppliers, trades people, and etcetera) who will be at the site, and the areas over which each OPERATOR has control.

1.9 Construction Activity Record Keeping

Maintaining a record of the dates when major grading activity occurs, when construction activity has been temporarily or permanently ceased on a portion of the site, and when stabilization measures are initiated is an integral part of the SWPPP. Explain how the construction activity record keeping will be accomplished for the duration of the permit.

2.0 CONTROLS TO ELIMINATE OR MINIMIZE POLLUTANTS

2.1 Interim And Permanent Stabilization Practices

Describe interim and permanent stabilization practices for the site including a schedule of when the measures and practices will be implemented.

2.2 Structural Practices

Describe any structural practices used to divert flows from exposed soils, retain/detain flows, or otherwise limit runoff/pollutants from exposed areas.

2.3 Post-Construction Storm Water Management Controls

Describe any post-construction storm water management controls to be installed at the site, and identify any applicable federal, state, local and/or tribal requirements for design or installation.

2.4 Prohibited Discharge Control Measures

A description of the controls to be used to prevent the following prohibited discharges, unless managed by an appropriate control implemented according to industry standards:

- a. Wastewater from washout of concrete,;
- b. Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;
- c. Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;
- d. Soaps, solvents, or detergents used in vehicle and equipment washing; and
- e. Toxic or hazardous substances from a spill or other release.

2.5 Sediment Track-out Prevention Practices

Describe measures to minimize, to the extent practicable, vehicle tracking of sediments offsite onto paved surfaces and the generation of dust. The following must be included with this requirement:

- a. Restrict vehicle use to properly designated exit points. If designated exit points are modified or added to the site, update SWPPP accordingly;
- b. Use appropriate stabilization techniques at all points that exit onto paved roads so that sediment removal occurs prior to vehicle exit;
- c. Where necessary, use additional controls to remove sediment from vehicle tires prior to exit; and
- d. Where sediment has been tracked-out from your site onto the surface of off-site streets, other paved areas, and sidewalks, the deposited sediment must be removed by the end of the same work day in which the track-out occurs or by the end of the next work day if track-out occurs on a non-work day

2.6 Measures/Waste Disposal Practices

Describe construction materials, products and waste materials expected to be stored at the construction site or supporting areas. The description to include controls and storage practices to minimize exposure of the materials to storm water and storm water runoff.

2.7 Vehicle Fueling and Maintenance Practices

If fueling and/or maintenance of equipment or vehicles at the construction site or supporting areas, an effective means of eliminating the discharge of spilled or leaked chemicals, including fuel, from the area must be implemented by at minimum:

- a. Ensuring adequate supplies are available at all times to handle spills, leaks, and disposal of used liquids;
- b. Using drip pans and absorbents under or around leaky vehicles;
- c. Disposing of or recycle oil and oily wastes in accordance with other federal, state, tribal, or local requirements;
- d. Cleaning up spills or contaminated surfaces immediately, using dry clean up measures where possible, and eliminate the source of the spill to prevent a discharge or a furtherance of an ongoing discharge; and
- e. Not cleaning surfaces by hosing the area down.

2.8 Spill Prevention Control and Countermeasure Plan (SPCC)

Indicate if the project or facility possesses a SPCC and include the plan as part of the SWPPP

2.9 Supporting Area Controls or Practices

Describe of potential pollutant sources and the controls and measures to be implemented at supporting areas of the construction site such as dedicated asphalt plants or dedicated concrete plants.

2.10 Stockpile Controls or Practices

Describe controls for discharges from stockpiled sediment or soil.

2.11 Dust Control Measures or Practices

Describe controls to minimize dust through appropriate water or other dust suppression techniques.

3.0 NON-STORM WATER DISCHARGE MANAGEMENT

The SWPPP must identify all allowable sources of non-storm water discharges listed in Part I.C.2 of the NDEQ's General Permit, except for flows from firefighting activities that are combined with storm water discharges associated with construction activity at the site. Non-storm water discharges should be eliminated or reduced to the extent feasible. The SWPPP must identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

4.0 CONSTRUCTION STORM WATER EFFLUENT LIMITATION GUIDELINES

The 2016 NPDES Permit authorizing stormwater discharges from construction sites includes several effluent limitation guidelines (ELGs) that must be addressed and implemented. Some of these ELG's were addressed in section 2 of this template. Use this section to describe how the site will comply with the ELG's.

4.1 Point Source Sediment and Erosion Controls

Describe the controls which will be implemented to minimize or control the following: Stormwater Discharge Volume and Velocity, Channel and Streambank Erosion, Exposed Soil During Construction, Steep Slope Disturbances, Sediment Discharges During Construction (addressing amount, frequency, intensity, and duration of precipitation, the nature of resulting storm water runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site), Maintaining Natural Buffers, Soil Compaction, and Topsoil Preservation.

4.2 Soil Stabilization of Disturbed Areas

Describe all interim and permanent stabilization practices (e.g., Temporary Seeding, Permanent Seeding, and Mulching) with the associated installation schedule include the protocol for ensuring the implementation of stabilization measures. Note: Stabilization measures must be initiated as soon as practical in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased

4.3 Discharges From Dewatering

Describe the controls which will be used to manage discharges from dewatering activities, including discharges from dewatering of trenches and excavations.

4.4 Pollution Prevention Measures Design

Describe how the design, installation, implementation, and maintenance of effective pollution prevention measures shall at the minimum:

- a. Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;
- b. Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to storm water. Minimization of exposure is not required in cases where the exposure to precipitation and to storm water will not result in a discharge of pollutants, or where exposure of a specific material or product poses little risk of storm water contamination (such as final products and materials intended for outdoor use); and
- c. Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures

4.5 Basin and Impoundment Discharges

When a site is discharging from basins and impoundments, the site must utilize outlet structures that withdraw water from the surface, unless infeasible. Describe how this project will comply with this requirement.

5.0 MAINTENANCE OF CONTROL BMPs

5.1 Stabilization Measures

Describe how maintenance will be implemented to keep the soil stabilization BMPs selected in an effective operational condition.

5.2 Top Soil

Describe how maintenance will be implemented to keep the top soil preservation BMPs selected in an effective operational condition.

5.3 Soil Compaction

Describe how maintenance will be implemented to keep the minimization of soil compaction BMPs selected in an effective operational condition.

5.4 Steep Slopes

Describe how maintenance will be implemented to keep the minimization of steep slope disturbance BMPs selected in an effective operational condition.

5.5 Contaminated Water

Describe how maintenance will be implemented to keep the BMPs selected to control the discharging of contaminated water in an effective operational condition.

5.6 Off Site Sediment

Describe how maintenance will be implemented to keep the BMPs selected to control the off-site accumulations of sediment in an effective operational condition

5.7 Temporary Construction Controls

Describe how maintenance will be implemented to keep the structural BMPs selected to control stormwater discharges from this construction site in an effective operational condition

5.8 Permanent Post Construction BMPs

Describe how maintenance will be implemented to keep the Post-Construction BMPs selected to control the discharging stormwater in an effective operational condition

6.0 PERMIT ELIGIBILITY RELATED TO ENDANGERED SPECIES

Document your project's eligibility for permit coverage with regard to endangered species, include:

1. Information on whether state or federally-listed endangered or threatened species, or designated critical habitat may be in the project area;
2. Whether such species or critical habitat may be adversely affected by storm water discharges or storm water discharge-related activities from the project;
3. Any correspondence for any stage of project planning between the U.S. Fish and Wildlife Service (FWS), Nebraska Game and Parks Commission (NGPC), EPA, NDEQ, or others and the permittee regarding listed species and critical habitat, including any notification that delays the authorization to discharge under this permit;
4. A description of measures necessary to protect state and federally-listed endangered or threatened species, or state and federally designated critical habitat. The permittee must describe and implement such measures to be eligible for coverage under this permit. This description does not relieve permittee of responsibilities under the Federal Endangered Species Act or Nebraska Nongame and Endangered Species Conservation Act.

7.0 SWPPP ACCOMPANYING DOUCMENTS

A copy of the signed and certified CSW-NOI and NDEQ's approval letter notifying the permittee that the CSW-NOI is administratively complete must accompany the SWPPP once available.

8.0 APPLICABLE STATE, TRIBAL OR LOCAL PROGRAMS & REQUIREMENTS

The SWPPP must be consistent with all applicable federal, state, or local requirements for erosion control and storm water management including updates to the SWPPP as necessary to reflect any revisions to applicable federal, state, or local requirements, indicate the project's compliance with this requirement..

9.0 INSPECTIONS

9.1 Inspection Schedule, Procedures, and Frequency

Describe routine inspection schedules, procedures, and frequency to ensure control measures are operating effectively.

9.2 Personnel Performing Inspections

Indicate who will be to perform inspections and describe the person's qualifications.

9.3 Report Format

Describe the format for the inspection reports documenting each inspection, including documentation of incidents of noncompliance or certifying full compliance, and indicating who will be authorized to sign the report.

10.0 MAINTAINING AN UPDATED PLAN

10.1 Responsibility

Describe who will be responsible for updating the SWPPP on a routine basis and how SWPPP modifications will occur..

10.2 Procedure

Describe the procedure for updating the SWPPP and documenting modifications as required..

11.0 MAKING PLANS AVAILABLE

11.1 Required Documents

A copy of the SWPPP, a copy of the CSW-NOI, and the letter from the NDEQ notifying the permittee of an approved CSW-NOI must be retained at the construction site or other locations easily accessible during normal business hours. The SWPPP must be made available upon request to federal, state, and local agencies, from the date of commencement of construction activities to the date of final stabilization. The SWPPP and corresponding documents may be posted online, but the construction site must have internet access

11.2 On-Site Notification / Sign

A sign or other notice must be posted conspicuously near the entrance of the construction site. If displaying near the main entrance is infeasible, the notice can be posted in a local public building such as the town hall or public library. For linear projects, the sign or other notice must be posted at a publicly accessible location near the active part of a construction project (e.g. where a pipeline project crosses a public road). The sign or other notice must contain the following information:

- a. A copy of the completed CSW-NOI as submitted to the NDEQ; and
- b. A copy of the SWPPP, or, if the sign or notice does not contain a copy of the SWPPP, it must detail the name and telephone number of the contact person for obtaining access to the SWPPP, and the current location of the SWPPP. If the SWPPP is posted online, the sign must detail the website address, online location, or methodology to obtain the SWPPP.