

2023 SEC Seminar: Omaha Construction Stormwater Program 101



Therese Pogge, Heaven Davis, Chris Anderson, & Andy Szatko

Stormwater Introductions

Stormwater Program Manager:

Chris Anderson

Stormwater Program Coordinator:

Heaven Davis

City of Omaha-EQC Environmental Inspectors

- **Jeremiah Kobes**- Sewer Use
- **Vern Van Vleet**- Sewer Use
- **Mark Ermeling**- Sewer Use
- **Jenny Proescholdt**- Sewer Use
- **Neil Graybill**- Solid Waste
- **Matt Nusser**-Solid Waste
- **Eric Grimshaw**- Stormwater
- **Shane Lett**- Stormwater
- **Charla Long**- Stormwater
- **Carol Sorensen**- Stormwater
- **Michael Halbert**- Stormwater
- **Jeff Ryba**- Air Program

Contact list available on Permix

SWPPP Implementation

1. PCSMP Update
2. Site Inspection Basics
3. Communication
4. Consistency and Decision Making
5. Common Issues
6. Addressing Issues



PCSMP Update Overview

Grading permit close out inspections will now require post construction inspections by City Inspectors

Post construction BMP inspection common themes:

- Functioning as designed
- Obstruction in inlets/outlets
- Any damage to system
- Unwanted vegetation
- Sediment/debris accumulation
- Drainage issues



Site Inspection Basics

Implementation of Sediment Runoff Control Measures:

- Sediment Control
 - Silt Fence
 - Inlet Protection
 - Wattles
 - CE Stabilization
 - Sediment Basins



Sediment control should NOT be the only type of stabilization measure. You want both erosion and sediment control.

Site Inspection Basics

Implementation of Stabilization Measures:

- Erosion Control
 - Seeded blanket
 - Hydroseeding
 - Mulching
 - Minimize Soil Disturbance
 - Dust suppression



Site Inspection Basics

Common Things to Look For During Inspections:

- Stabilization in Key Areas
- Track out on the street
- Concrete washout
- Fueling Practices



Site Inspection Basics

Common Things to Look for During Inspections:

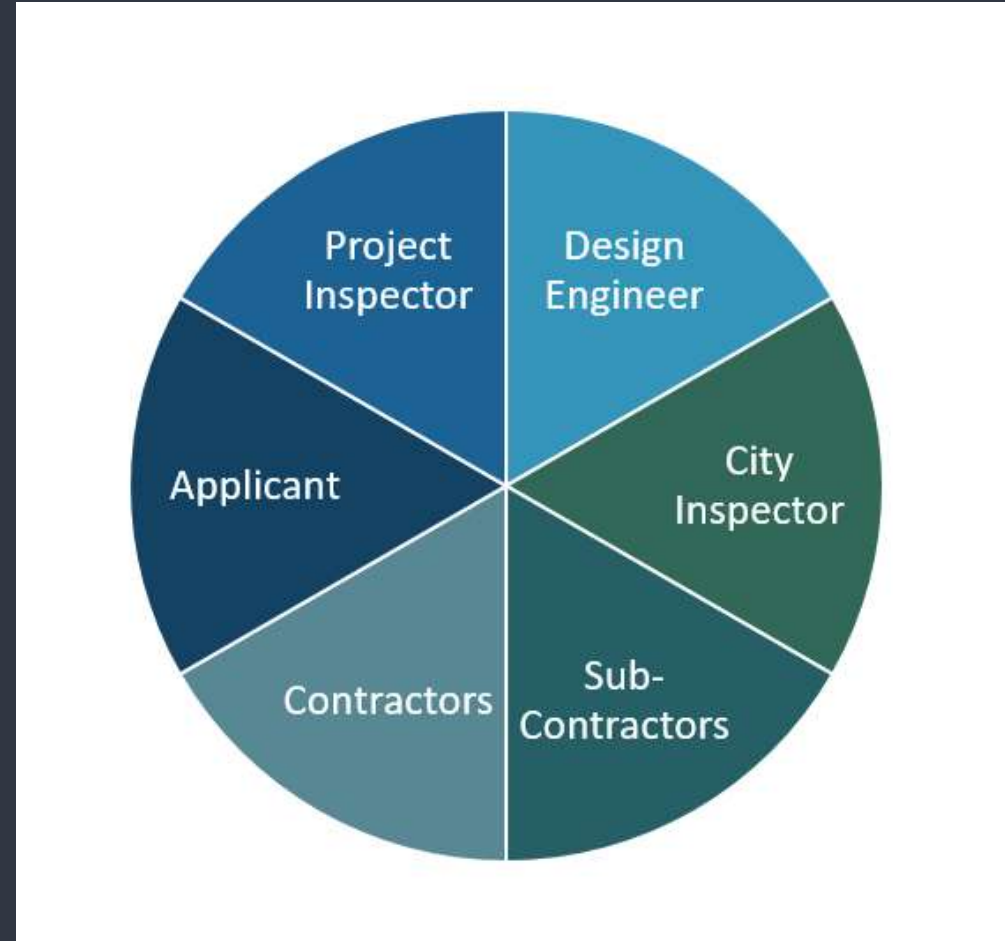
- Sanitary Waste Management
- Solid Waste Management
- SWPPP Notification sign



Communication

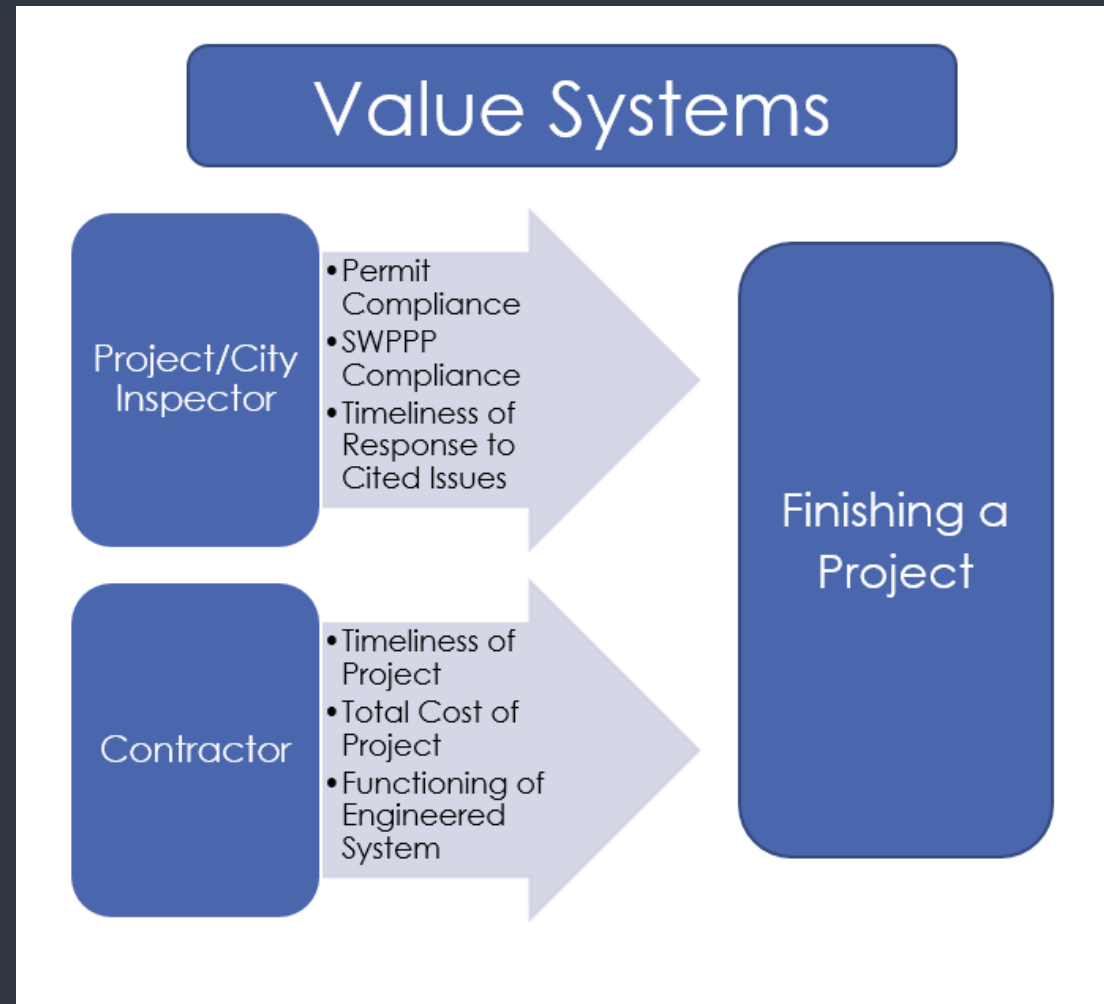
Communication in the workplace increases:

- Employee morale
- Engagement
- Productivity
- Satisfaction
- Better results



Common Issues & Inconsistencies

- Implementation of BMPs
- Time Management
- Project Costs
- Ongoing Issues



Promoting Positive Change

- Utilize the summary section on the inspection report
- Provide a description for action taken or plan moving forward
- Update SWPPP map as project evolves
- Directional description of the location of BMPs



Construction Compliance

- Continual Training to promote consistency
- Be aware of differing value systems
- Communicate with the City Inspector
- Communicate with the City of Omaha Stormwater management team: Chris and Heaven
- Detailed inspection reporting



2023 SEC Seminar

Chris Anderson

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Heaven Davis

Email: heaven.davis@cityofomaha.org

Phone: 402-444-3915 EXT 1142


Nov 2022: Grading Permit Terms Updated

Reason: Consistency with NDEE CSW NER210000

Main updates

- Inspection frequency options
(Part VII.A; weekly & no rain event inspection
OR 14 days + 0.25" rain event inspections)
- Submit SWPPP and CERT to NDEE
(Part II.B.6-7; required at time of submission)
- Final Stabilization definition
(p.22; permanent drainages; temp BMPs removed;
sediment build-up removal; ag & silvicultural lands
returned; industrial activity at permitted site;
permenant BMP long-term maintenance assigned)

NEBRASKA
Good Life. Great Resources.
DEPT. OF ENVIRONMENT AND ENERGY



Pete Ricketts, Governor


Authorization to Discharge Under the
National Pollutant Discharge Elimination System (NPDES)
General NPDES Permit Number NER210000
for Storm Water Discharges from
Construction Sites to Waters of the State of Nebraska

This NPDES general permit is issued in compliance with the provisions of the Federal Water Pollution Control Act (33-U.S.C. Secs. 1251 *et. seq.* as amended to date), the Nebraska Environmental Protection Act (Neb. Rev. Stat. Secs. 81-1501 *et. seq.* as amended to date), and the Rules and Regulations promulgated pursuant to these Acts. Application may be made under this general permit are authorized to discharge storm water from construction sites. Owners or operators issued a discharge authorization under this general permit are required to comply with the limits, requirements, prohibitions, and conditions set forth herein. The issuance of a discharge authorized under this general permit does not relieve permittees of other duties and responsibilities under the Nebraska Environmental Protection Act, as amended, or established by regulations promulgated pursuant thereto.

NPDES Permit No.: NER210000
NDEE ID No.: 995907
Effective Date: December 1, 2021
Expiration Date: November 30, 2026

Pursuant to a Delegation Memorandum dated July 1, 2021, and signed by the Director, the undersigned hereby executes this document on behalf of the Director.

Signed this 18th day of November, 2021


Shelley Schneider
Permitting and Engineering Division Administrator


Department of Environment and Energy
P.O. Box 98922
Lincoln, Nebraska 68509-8922

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ndocj.macyinfo@nebraska.gov

PCWP Grading Permit Terms

Download at: OmahaStormwater.org & OmahaPermix.com



THE PAPILLION CREEK WATERSHED PARTNERSHIP (PCWP)
http://www.omahapermix.com

PCWP General Grading Permit Terms – Effective 11/14/2022

PART I. COVERAGE UNDER THIS PERMIT

A. Introduction

Urban development causes significant changes in patterns of **stormwater** flow from land into **receiving waters**. Water quality can be affected when runoff carries sediment or other pollutants (e.g., waste materials, demolition debris, etcetera) into streams, wetlands, and lakes or into ground water. Stormwater management can help reduce these effects. Stormwater management involves careful application of site design principles, construction techniques to prevent sediments and other



CITY OF Omaha permix

City of Omaha Public Works - EQCD
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We have detected you also have an Internal (City) User login. [CLICK HERE](#) to visit your City home page.

New Project Manage Users Manage Projects

PCWP Permit Application Linear Underground Notification Public Improvement Application Grading Permit Application

NEWS AND INFORMATION

General

The 2023 Sediment & Erosion Control Seminar is Feb 2nd, 2023 8:00am-Noon at the Scott Conference Center & via Zoom. Visit [SECCOmaha.com](#) for details & to register!

[Permix Site Reference Map](#)

Visit [Permix Tutorials](#) to learn how to use the Permix system.
Note: updated tutorials coming soon.

Grading Permit Module

PCWP Grading Permit Terms & Conditions - 2022 Update
The [PCWP Grading Permit Terms & Conditions](#) have been updated to be consistent with the NDEE CSW Permit - IER-210000 - effective November 14th and available here and at OmahaStormwater.org. Guidance documents and templates have also been updated. Here is a summary of the updates: [2022 Grading Permit Module Summary](#)

8/4/22 - SWPPP Notification Sign - UPDATED
The template has been updated to show a layout with both the NDEE CSW Permit & PCWP Grading Permit numbers. Click on the link below in Useful Documents.

USEFUL DOCUMENTS

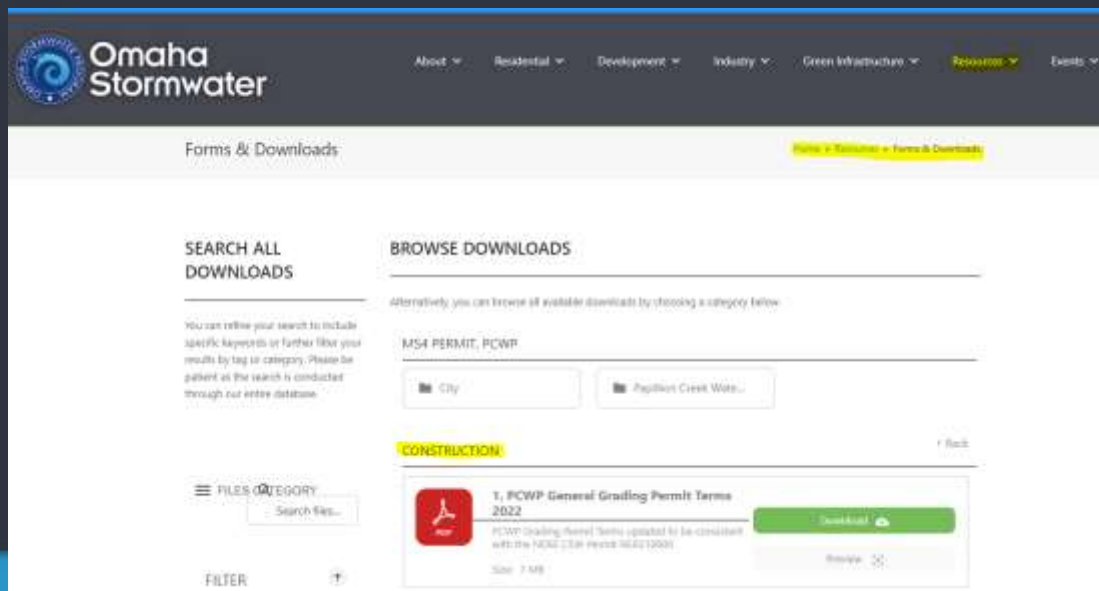
A list of useful documents are shown below. Click any document to view and download.

General

[Permit & Plan Reviewer List - by Jurisdiction](#)
[City Environmental Inspector Contact List for Grading Permits](#)

Grading Permit Module

[PCWP Grading Permit Terms and Conditions - 2022 Grading Permit Terms 2022 Update Summary](#)
[SWPPP Site Map Preparation Guide](#)
[SWPPP Narrative Template](#)
[Grading Permit Modification Form](#)



Omaha Stormwater

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MS4 PERMIT, PCWP

City Papillion Creek Water...

CONSTRUCTION

T, PCWP General Grading Permit Terms 2022

PCWP Grading Permit Terms updated to be consistent with the NDEE CSW Permit 100010001

Download

Size: 7 MB

Summary of GP Changes

Inspection frequency – Page 14

Table 1:

REQUIRED INSPECTIONS			
Stage 1	Stage 2	Stage 3	Stage 4 (winter stage)
No rain event inspection	Within 24 hours of a storm event equal to or greater than 0.25 inches	Within 24 hours of a storm event equal to or greater than 0.25 inches	Within 24 hours of a storm event equal to or greater than 0.25 inches
Weekly Site Inspections, excluding nonbusiness hours, with no more than 7 calendar days between Site Inspections	Every other week Site Inspections, excluding nonbusiness hours, with no more than 14 calendar days between Site Inspections	Monthly Site Inspections, excluding nonbusiness hours, with no more than 30 calendar days between Site Inspections	Monthly Site Inspections, excluding nonbusiness hours, with no more than 30 calendar days between Site Inspections

Table 1: The Grading Permit allows for site specific inspection and reporting requirements.

Summary of GP Changes

Final Stabilization – Page 19-20

PART VI. TERMINATION, TRANSFER OR REASSIGNMENT OF PERMIT COVERAGE

A. Permit Closure Requirements

The Applicant may only submit a Grading Permit Closure package when one of the two conditions listed below have been met:

1. **Final stabilization** has been achieved on all portions of the site for which the Applicant is responsible. **Final stabilization is achieved when:**
 - a. All soil disturbing construction activity has been completed;
 - b. A uniform perennial vegetative cover with a minimum density of 70 percent of the native background vegetative cover, has been established on all non-impervious surfaces and areas not covered by permanent structures unless equivalent permanent stabilization (such as riprap, gabions, and geotextiles) measures have been employed;

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- c. All permanent drainages, constructed to drain water from the site, has been stabilized to prevent erosion;
- d. All temporary erosion protection and sediment control BMPs have been removed without compromising the permanent erosion protection and sediment control BMPs;
- e. All sediment build-up has been removed from conveyances and basins that are to be used as permanent water quality management BMPs. The cleanout of permanent basins used as temporary BMPs during construction shall be sufficient to return the basin to design capacity;
- f. Responsibility for long-term maintenance of permanent BMPs have been assigned;
- g. Construction activity conducted on or through agricultural or silvicultural land shall be considered finally stabilized upon return to the preexisting agriculture or silviculture use; and
- h. Construction activity conducted at new or industrial facilities that will operate the site in an exposed manner (such as limestone mining and solid waste landfills) shall be considered finally stabilized upon commencement of industrial activity consistent with the industrial use and coverage under the appropriate NPDES permit for industrial storm water.
- i. All documents required for the Post Construction Stormwater Management Plan (PCSMP) have been submitted and approved including, but not limited to, the BMP Maintenance Certification, Maintenance and Easement Agreement, and As-Built Plans. (Only for projects where the PCSMP is applicable)

Summary of GP Changes

Additional section regarding existing permits

Page 4

3. Ongoing Projects

No new application is required when the Grading Permit Terms and Conditions are updated. The SWPPP must be updated to meet the current Grading Permit Terms and Conditions when a Grading Permit Modification is made. When a new NDEE Construction Stormwater (CSW) Permit is issued, you must submit the new NOI and Authorization Letter, if applicable, when received.

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Summary of GP Changes

Supporting documents updated

Find at: OmahaPermix.com & OmahaStormwater.org

USEFUL DOCUMENTS

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[SWPPP Site Map Preparation Guide](#)

[SWPPP Narrative Template](#)

[Grading Permit Modification Form](#)

[Grading Permit & Payment Form](#)

[Change of Responsibility Form](#)

[SWPPP Notification Sign - 2022](#)

[NDEE CSW Account Registration Instructions](#)

Questions:

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OmahaPlants.org



OmahaStormwater.org



Facebook – Omaha Stormwater Program



Reach out with requests for speaker, resources, etc...
OmahaStormwater@CityofOmaha.org

2023 SEC Seminar:

Omaha Construction Stormwater Program 101

Therese Pogge, Heaven Davis, Chris Anderson, & Andy Szatko

Thank you! Any questions?

