



Ogden will update the Engineering Standards to be compliant with the current requirement of the storm water permit.

Items to be implemented by December 2019:

- New development or redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale must manage rainfall on-site, and prevent the off-site discharge of the precipitation from all rainfall events less than or equal to the 90th percentile rainfall event.
- This objective will be accomplished by the use of practices that are designed, constructed, and maintained to infiltrate, evapotranspire and/or harvest and reuse rainwater.
- The 90th percentile rainfall event will be calculated is the event whose precipitation total is greater than or equal to 90 percent of all storm events over a given period of record.
- If meeting the retention standard is technically infeasible, a rationale shall be provided on a case by case basis for the use of alternative design criteria.
 - The project must document and quantify that infiltration, evapotranspiration and rainwater harvesting have been used to the maximum extent technically feasible and that full employment of these control are infeasible due to site constraints.



Developer _____ Phone: _____

Responsible Contact _____ Phone: _____

Submittal Date _____ Reviewed Date _____ Reviewed by _____

References are given from both the Small MS4 General UPDES Permit (section 4.2) and the Construction General Permit (section 3.5). Only applies to construction sites that disturb greater than or equal to 1 acre, including projects less than 1 acre that are part of a larger common plan of development.

I- Pre-Construction SWPPP Review (4.2.4.3.1)

- SWPPP maps or site plans must include the following (See Ordinance 9-7B-4):
 - Existing topography of the site
 - Delineation of any areas of vegetation or trees to be saved
 - Clear and definite delineation of any wetlands, natural or artificial water storage detention areas, and drainage ditches on the site
 - Clear and definite delineation of any 100-year floodplain on or near the site
 - Approved grading and drainage plans
 - Watercourses or portions of the city’s storm drainage systems either on or near the site
 - Provisions for maintenance or erosion or sediment control facilities

• Size of site: _____ Acres

• Planned operations at the construction site:

• Planned BMPs used during the construction phase:

• Planned BMPs to be used to manage runoff created after development:

II- Potential Water Quality Impacts and Procedures (4.2.4.3.2)

- Proper Grading, erosion control practices, sediment control practices, and watercourse crossings shall be established and approved
- Construction site measurements taken to assure sediment is not tracked onto public streets by construction vehicles or washed into storm drains
- Identify the pollutant source locations of any non-storm water discharges that could potentially impact water quality
- Assure identified locations will be properly controlled, managed, and maintained to prevent water quality contamination
- If water quality is impacted during construction, contractor shall contact the city SWPP inspector

III- Construction site priority considerations (4.2.4.3.3)

- Soil erosion potential
- Site slope
- Project size and type
- Sensitivity of receiving waterbodies
- Proximity to receiving waterbodies
- Non-storm water discharges and past record of non-compliance by the operators of the construction site

Comments: _____

This document and attachments must be maintained by the MS4 for a period of five years or until construction is completed, whichever is longer. (4.2.4.3)

Ogden City

Construction BMP Fact Sheets

Storm Water Management Plan 2020



The BMP Fact Sheets on the following pages can be found in the current edition of the APWA Manual of Standard Plans.

This manual is free online at utah.apwa.net or can be purchased from the Ogden City Engineering Division.

Ogden City

Special Environmental Considerations

Storm Water Management Plan 2020



Information for special environmental considerations can be found at the following locations:

Discharges to Water Quality Impaired Waters

The permittee “must determine whether storm water discharge from any part of the MS4 contributes to a 303(d) listed (i.e. impaired) waterbody.” (Small MS4 General UPDES Permit 3.1.1.1)

The 303(d) list of impaired waterbodies is found at:

<http://www.waterquality.utah.gov/TMDL/index.htm>

Threatened or Endangered Species

Where applicable, compliance efforts to this law shall be reflected in the SWMP document.

(Small MS4 General UPDES Permit 3.2)

The following web sites are helpful in determining the status of any species of interest.

<http://wildlife.utah.gov/habitat/pdf/endgspec.pdf>.

<http://www.fws.gov/endangered/>

Historic Properties

Where applicable, compliance efforts to this law shall be reflected in the SWMP document.

(Small MS4 General UPDES Permit 3.2)

Web sites include the following, along with possible county and city listings:

http://history.utah.gov/historic_buildings/index.html

Ogden City

Post Construction BMP Fact Sheets and Details

Storm Water Management Plan 2020



Post Construction BMP Fact Sheets and Details are adopted by reference. The details can be found under the heading “Innovative BMPs for Site Plans” at the following link:

<https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater-documents>



The following information regarding maintenance of construction BMPs is borrowed from the page 30 of the EPA guide “Developing Your Storm Water Pollution Prevention Plan”:

Implementing a good BMP maintenance program is essential to the success of your SWPPP and to your efforts to protect nearby waterways. You should conduct maintenance of BMPs regularly and whenever an inspection (formal or informal) identifies a problem or potential issue. For instance, trash and debris should be cleaned up, dumpsters should be checked and covered, nearby streets and sidewalks should be swept daily, and so on. Maintenance on erosion and sediment controls should be performed as soon as site conditions allow. Consider the following points when conducting maintenance:

- *Follow the designers or manufacturer’s recommended maintenance procedures for all BMPs*
- *Maintenance of BMPs will vary according to the specific area and site conditions*
- *Remove sediment from BMPs as appropriate and properly dispose of sediment into controlled areas to prevent soil from returning to the BMP during subsequent rain events*
- *Remove sediment from paved roadways and from around BMPs protecting storm drain inlets*
- *Ensure that construction support activities, including borrow areas, waste areas, contractor work areas, and material storage areas and dedicated concrete and asphalt batch plants are cleaned and maintained*
- *Replace damaged BMPs, such as silt fences, that no longer operate effectively*

You should keep a record of all maintenance activities, including the date, BMP, location, and maintenance performed in your SWPPP.

Ogden City

Storm Water Management Facilities



Maintenance Agreement Draft

Storm Water Management Plan 2020

THIS STORMWATER MANAGEMENT FACILITIES MAINTENANCE AGREEMENT

made this ___ day of _____, 20___, by _____
(individual, partnership, association, corporation, LLC)

(the "Covenantor", and for indexing purposes "Grantor"); Ogden City, a municipal corporation
the "City", and for indexing purposes "Grantee"); _____ (the
"Trustee", and for indexing purposes "Grantor"); and _____ (the
"Noteholder", and for indexing purposes "Grantor").

WITNESSETH:

WHEREAS, the City is authorized and required to regulate and control the disposition of
storm and surface waters within the Stormwater Management District of Ogden City as set forth
in the Stormwater Pollution Prevention Ordinance adopted 2006, as amended (the "Ordinance"),
adopted pursuant to the State of Utah Dept of Water Quality Genral Permit, as amended (the
"Act"); and

WHEREAS, the Covenantor is the owner and is seized in fee simple of a certain tract or
parcel of land more particularly described on Schedule A attached hereto (the "Property"); and

WHEREAS, Covenantor desires to construct certain improvements on the Property
which will alter existing storm and surface water conditions on both the Property and adjacent
lands; and

GPIN# _____

Prepared By _____

WHEREAS, in order to accommodate and regulate these anticipated changes in existing storm and surface water flow conditions, the Covenantor desires to build and maintain at Covenantor's expense a storm and surface water management facility and system (the "Facility and System") more particularly described and shown on plans titled sheets ____ through ____ of ____ prepared by _____ and dated _____, which plans and any amendments thereto, are on file with the Development Services Center of the Planning Department of Ogden City, and are hereby incorporated by reference (the "Site Plan"); and

WHEREAS, the City has reviewed and approved the Site Plan subject to the execution of this Agreement.

NOW, THEREFORE, in consideration of the benefit received and to be received by the Covenantor, its successors and assigns, as a result of the City's approval of the Site Plan, the Covenantor, hereby covenants and agrees with the City as follows:

1. At their sole expense, the Covenantor, its successors and assigns, shall construct and perpetually maintain the Facility and System in strict accordance with the Site Plan and any amendments thereto which have been approved by the City, the Ordinance and the Act.

2. At their sole expense, the Covenantor, its successors and assigns, shall make such changes or modifications to the Facility and System as may be determined as reasonably necessary by the City to ensure that the Facility and System is properly maintained and continues to operate as originally designed and approved.

3. At reasonable times and in a reasonable manner as provided in Section 10.1-603.11 of the Act and Section 12 of the Ordinance, the City, its agents, employees and contractors, shall have the right of ingress and egress over the Property and the right to inspect the Facility and System in order to ensure that the Facility and System is being properly maintained, is continuing to perform in an adequate manner and is in compliance with the Act, the Ordinance and Site Plan and any amendments thereto approved by the City.

4. Should either the Covenantor or its successors and assigns, fail to correct any defects in the Facility and System within the time specified in a written notice from the City that the Covenantor or its successors and assigns has/have failed to maintain the Facility and System in accordance with the approved design standards and/or the Site Plan and in accordance with the law and applicable regulations of the Act and the Ordinance, the City may pursue such remedies as provided by law, including, but not limited to, such civil and criminal remedies set forth in Section 9-7E-1 of the Ordinance.

5. The Covenantor, its successors and assigns, shall indemnify, hold harmless and defend the City from and against any and all claims, demands, suits, liabilities, losses, damages and payments, including reasonable attorney fees claimed or made against the City that are alleged or proven to result or arise from the Covenantor's, its successors' and/or assigns', construction, operations or maintenance of the Facility and System.

6. This Agreement and the covenants and agreements contained herein shall run with the title to the land and whenever the Property shall be held, sold, conveyed or otherwise transferred, it shall be subject to the covenants, stipulations, agreements and provisions of this Agreement which shall apply to, bind and be obligatory upon the Covenantor hereto, its successors and assigns, and shall bind all present and subsequent owners of the Property described herein.

Initially, the Covenantor is solely responsible for the performance of the obligations required hereunder and, to the extent permitted under applicable law, the payment of any and all fees, fines, and penalties associated with such performance or failure to perform under this Agreement. Notwithstanding any provisions of this Agreement to the contrary, upon the recordation of a deed or other instrument of sale, transfer or other conveyance of fee simple title to the Property or any portion thereof (a "Transfer") to a third party (the "Transferee"), the Covenantor shall be released of all of its obligations and responsibilities under this Agreement accruing after the date of such Transfer to the extent such obligations and responsibilities are

applicable to that portion of the Property included in such Transfer, but such release shall be expressly conditioned upon the Transferee assuming such obligations and responsibilities by recorded written agreement for the benefit of the City. Such written agreement may be included in the Transfer deed or instrument, provided that the Transferee joins in the execution of such deed or instrument. A certified copy of such deed, instrument or agreement shall be provided to the City. The provisions of the preceding three sentences shall be applicable to the original Covenantor and any successor Transferee who has assumed the obligations and responsibilities of the Covenantor under this Agreement as provided above.

7. Nothing herein shall be construed to prohibit a transfer by the Covenantor to subsequent owners and assigns.

8. The provisions of this Agreement shall be severable and if any phrase, clause, sentence or provision is declared unconstitutional, or the applicability thereof to the Covenantor, its successors and assigns, is held invalid, the remainder of this Covenant shall not be affected thereby. This Agreement shall be interpreted under the laws of the Commonwealth of Virginia.

9. _____, the Noteholder, being the holder of a note or notes secured by a lien on the Property through a deed of trust dated _____, from _____ to _____ and _____, Trustees, either of whom may act, recorded in the Weber County Recorder's Office of in Deed Book _____, at page _____ (the "Deed of Trust"), joins in the execution of this Agreement to evidence its consent to the provisions hereof and to direct the Trustee to execute same for subordination purposes. At the direction of the Noteholder, the Trustee joins herein to subordinate the lien of the Deed of Trust, and the Noteholder and the Trustee hereby acknowledge and agree that the lien of the Deed of Trust is hereby subordinated to this Agreement, the covenants created or set forth herein and all of the rights of the City hereunder.

10. This Agreement shall be recorded in the Recorder's Office.

11. In the event that the City shall determine at its sole discretion at any future time that the Facility and System is no longer required, then at the request of the Covenantor, its successors and/or assigns, the City shall execute a release of this Agreement which the Covenantor, its successors and/or assigns, shall record in the Clerk's Office, at its/their expense.

12. This Agreement shall be deemed to be a Utah contract and shall be governed as to all matters whether of validity, interpretations, obligations, performance or otherwise exclusively by the laws of the State of Utah, and all questions arising with respect thereto shall be determined in accordance with such laws. Regardless of where actually delivered and accepted, this Agreement shall be deemed to have been delivered and accepted by the parties in the State of Utah.

13. Any and all suits for any claims or for any and every breach or dispute arising out of this Agreement shall be maintained in the appropriate court of competent jurisdiction in Ogden City.

14. This Agreement shall not be modified except by written instrument executed by the City and the owner(s) of the Property at the time of modification, and no modification shall be effective until recorded in the Recorder's Office.

IN WITNESS WHEREOF, the Covenantor has executed this Agreement as of the date first set forth above.

Covenantor's Name

BY: _____
(individual, partnership, association,

corporation) (Title)

ATTEST:

By _____
(Name) (Title)

Noteholder

BY: _____
(Name) (Title)

ATTEST:

By _____
(Name) (Title)

Trustee (for noteholder)

Trustee (for noteholder)

APPROVED AS TO CONTENT:

APPROVED AS TO FORM:

Signature - Development Services Center

Signature - City Attorney

ATTEST:

OGDEN CITY

City Clerk
Manager

City Manager/Authorized Designee of the City

OWNER ACKNOWLEDGMENT

STATE OF _____
CITY OF _____, to wit:

I, _____, a Notary Public in and for the City and
State aforesaid, do hereby certify that _____, and _____,
(name) (name)
_____, and _____, respectfully,
(title) (title)
of _____, whose names as such are signed to the foregoing
(name of corporation, partnership, individual, association)

Agreement, have acknowledged the same before me in my City and State aforesaid.

GIVEN under my hand this ___ day of _____, 20___.

_____ My Commission Expires: _____
Notary Public

NOTEHOLDER ACKNOWLEDGMENT

STATE OF _____
CITY OF _____, to wit:

I, _____, a Notary Public in and for the City and State aforesaid, do hereby certify that _____, and _____
(name) (name)
_____, and _____, respectfully, of
(title) (title)
_____, whose names as such are signed to the foregoing Agreement,
(name of noteholder)
have acknowledged the same before me in my City and State aforesaid.

GIVEN under my hand this ____ day of _____, 20__.

Notary Public My Commission Expires: _____

TRUSTEE ACKNOWLEDGMENT

STATE OF _____
CITY OF _____, to wit:

I, _____, a Notary Public in and for the City and State aforesaid, do hereby certify that _____, and _____, Trustees, whose names as such are signed to the foregoing Agreement, have acknowledged the same before me in my City and State aforesaid.

GIVEN under my hand this ____ day of _____, 20__.

Notary Public My commission expires: _____

CITY'S ACKNOWLEDGMENT

STATE OF UTAH
OGDEN CITY, to wit:

I, _____, a Notary Public in and for the City and State aforesaid, do hereby certify that _____, CITY MANAGER/ AUTHORIZED DESIGNEE OF THE CITY MANAGER PURSUANT TO § ____ OF THE CITY CODE, whose name is signed to the foregoing agreement, bearing date the ____ day of _____, 20____, has acknowledged the same before me in my City and State aforesaid.

GIVEN under my hand this ____ day of _____, 20____.

_____ My commission Expires: _____
Notary Public

STATE OF UTAH
OGDEN CITY, to wit:

I, _____, a Notary Public in and for the City and State aforesaid, do hereby certify that _____, City Clerk for Ogden City, whose name is signed to the foregoing agreement, bearing date on the ____ day of _____, 20____, has acknowledged the same before me in my City and State aforesaid.

GIVEN under my hand this ____ day of _____, 20____.

_____ My commission expires: _____
Notary Public



SWPPP Inspection Checklist

Storm Water Management Plan 2020

Pre-Inspection Items

- Contact Site Superintendent or Project Manager if no digital format
- Review previous inspections – are there reoccurring problems?
- Proper equipment
 - Hard hat
 - Vest
 - Safety shoes
 - Safety glasses
 - Electronic Equipment
 - Inspector credentials

On-Site before inspecting

- Review SWPPP – updates and changes
- Review any specific concerns
- Check contractor's inspection forms/issues

Inspection

- Use Electronic inspection on Energov – keep notes
- Check outfalls
- Check perimeter control
- Check entrances/exits
- Check erosion control BMPs
- Check sediment control BMPs
- Check for mud tracking
- Check stockpile/storage areas
- Check staging areas
- Take photos of good and bad
- Review findings with superintendent/project manager

Post Inspection

- Review inspection, complete and clarify as needed
- Inspection kept electronically with city IT department



Inspection authority is outlined in Ogden City Ordinance as excerpted below:

9-7B-7: INSPECTION:

A. Required Inspections:

1. Under the permit, the authorized enforcement officer may require inspections at the following stages of construction activity:

- a. Start of construction;*
- b. Installation of sediment and erosion measures;*
- c. Completion of site clearing;*
- d. Completion of rough grading;*
- e. Completion of final grading;*
- f. Close of the construction season, if applicable; and*
- g. Completion of final landscaping.*

2. If required, the authorized enforcement officer shall either approve that portion of the work completed or shall notify the permit holder wherein the work fails to comply with the permit or SWPPP as approved. To obtain required inspections, the permittee shall notify the authorized enforcement officer at least twenty four (24) hours before any required inspection.

B. Control Measures: The permittee or the permittee's agent shall make regular inspections of all control measures, including, but not limited to, inspection of erosion control measures before rainstorms when there is a five (5) day forecast of rain. Such inspections shall be under the supervision of a registered civil engineer. The authorized enforcement officer may waive such requirement when it is self-evident that the work is simple, clearly shown, and does not include the placement of fill upon which a structure may be erected. The purpose of such inspections will be to determine the overall effectiveness of the control plan and the need for additional control measures. All inspections shall be documented in written form and made available upon request to the authorized enforcement officer, or submitted to the authorized enforcement officer at such time intervals specified in the approved permit.

C. Authorized Enforcement Officer: The authorized enforcement officer may enter the property of the permit holder as deemed necessary to make regular inspections to ensure the validity of the reports filed under subsection B of this section.

D. Plans: Plans for grading, stripping, excavating, and filling work bearing the stamp of approval of the authorized enforcement officer shall be maintained at the site during the progress of the work.

(Ord. 2006-45, 7-25-2006)



Enforcement Procedures are outlined in Ogden City Ordinance as excerpted below:

9-7D-10: ENFORCEMENT:

A. Notice of Violation: Whenever the authorized enforcement officer finds that a person has violated a prohibition or failed to meet a requirement of this article, the authorized enforcement officer may order compliance by written notice of violation to the owner and any other responsible persons. Such notice may require, without limitation:

- 1. The obtaining of a required permit;*
- 2. Submission of storm water pollution prevention plan;*
- 3. The performance of monitoring, analyses, and reporting;*
- 4. The elimination of illicit connections or discharges;*
- 5. That violating discharges, practices, or operations shall cease and desist;*
- 6. The abatement or remediation of storm water pollution or contamination hazards and the restoration of any affected property;*
- 7. Payment of a civil penalty or the imposition of costs to cover administrative and abatement or remediation costs; and*
- 8. The implementation of source control or treatment BMPs.*

B. Abatement; Deadline: If abatement of a violation and/or restoration of affected property is required, the notice shall set forth a deadline within which such remediation or restoration must be completed. Said notice shall further advise, if the authorized enforcement officer anticipates city performance of abatement, that should the violator fail to remediate or restore within the established deadline, the work may be done by the city or a contractor hired by the city and the expense thereof charged to the owner.

(Ord. 2006-45, 7-25-2006)

9-7B-8: STOP WORK ORDERS:

A. The authorized enforcement officer may suspend or revoke a permit, or stop work on a construction activity, either for the entire construction project or any specified part thereof, if any of the following conditions exist:

- 1. Any land disturbing activity is being undertaken without a required permit;*
- 2. The SWPPP is not fully implemented;*
- 3. The applicant fails to obtain an extension on an expired permit; or*
- 4. Any of the conditions of the permit are not being met.*

B. The stop work order shall be in writing and shall be given to the owner of the real property involved, the owner's agent, or to the person doing the work. Upon issuance of a stop work

order, the cited work shall immediately cease. The stop work order shall state the reason for the order, and the conditions under which the cited work will be permitted to resume.

- C. Any person who continues any work after having been served with a stop work order, except such work as that person is directed to either implement the SWPPP, meet the conditions of the permit, or otherwise comply with the requirements of this article, shall be in violation of this section.

(Ord. 2006-45, 7-25-2006)

9-7E-1: PENALTY:

- A. *Criminal Penalties:* Any person who violates any of the provisions of this chapter, or who fails to comply with an order of suspension, revocation or stop work issued pursuant to the provisions of this chapter, shall be deemed guilty of a class B misdemeanor and, upon conviction thereof, shall be punished as set forth in [title 1, chapter 4, article A](#) of this code.

- B. *Civil Penalties:* Failure to correct a violation of this chapter after notice of violation and expiration of the warning period may be enforced by imposition of the following civil penalties pursuant to [title 1, chapter 4, article B](#) of this code:

1. The first civil citation issued after expiration of the warning period shall subject the person to the initial penalty as provided in subsection C of this section.
2. The second civil citation issued after expiration of the warning period and the prior imposition of the initial penalty shall subject the person to the intermediate penalty as provided in subsection C of this section.
3. Any subsequent civil citation issued after expiration of the warning period and the prior imposition of an intermediate penalty, or any reoccurring violation under section [1-4B-6](#) of this code, shall subject the person to the maximum penalty as provided in subsection C of this section.

- C. *Civil Penalty Schedule:* Violations of this chapter shall carry civil penalties pursuant to the following schedule:

<u>Violation Classification</u>	<u>Initial Penalty</u>	<u>Intermediate Penalty</u>	<u>Maximum Penalty</u>
1. Failure to obtain a required permit or submit a required SWPPP	\$ 125.00	\$ 250.00	\$ 500.00
2. Failure to comply with the conditions of an SWPP permit, an approved SWPPP, or a suspension, revocation or stop work order	125.00	250.00	500.00
3. Failure to comply with a final notice of violation pursuant to section 9-7D-10 of this chapter; provided that, if the violation involves: a) a direct discharge or spill into the waters of the state of Utah; b) any discharge or spill within 300 feet of the Ogden River or the Weber River; or c) a failure to maintain the Ogden River or the Weber River pursuant to section 9-7D-8 of this chapter, the penalty shall be:	125.00	250.00	500.00
	1,000.00	1,000.00	1,000.00

D. Injunctive Relief: This chapter may also be enforced by injunction, mandamus, abatement or any other appropriate judicial action in law or equity.

E. Separate Offense Each Day: Each day that any violation of this chapter continues shall be considered a separate offense for purposes of the penalties and remedies available to the city.

F. Compliance Not Excused: No criminal conviction or imposition of penalties shall excuse the person from otherwise complying with the provisions of this chapter.

(Ord. 2006-45, 7-25-2006)



The Notice of Termination has been a topic of discussion for some time on the State level. The Notice of Termination formally brings to a close the temporary permit to discharge stormwater from construction sites. This is a permit issued by the State and as such the State of Utah is the entity that grants a termination to that permit. However, the State of Utah does not have the resources or manpower required to ensure that all construction sites meet the requirements necessary to obtain an NOT and are leaning on MS4s state-wide to aid in the process. In this light the 2010 MS4 permit states:

4.2.4.4.2 The Permittee must inspect all phases of construction: prior to land disturbance, during active construction, and following active construction. The Permittee must include in its SWMP document a procedure for being notified by construction operators/owners of their completion of active construction so that verification of final stabilization and removal of all temporary control measures may be conducted.

Steps for Obtaining a Notice of Termination (NOT)

When a Construction Site is nearing completion and the permittee is desirous of terminating their permit with the State of Utah for discharging water associated with construction activities the following steps should be taken:

1. The Contractor's SWPPP coordinator for the project should notify the city storm water inspector that they are ready for final inspection.
2. The city storm water inspector visits the site to determine if the site has reached final stabilization as determined by the UPDES Storm Water General Permit for Construction Activities, UTR300000. The city storm water inspector also checks to see if all temporary BMPs have been removed.
3. If there is work still to be completed, notes are included in the Additional Comments and Corrective Actions for SWPPP Compliance portion of the State's UPDES Storm Water Inspection Evaluation Form for SWPPP Compliance (State's inspection form) and the inspector provides a copy for the SWPPP coordinator.
4. When the city storm water inspector is satisfied that all requirements have been met, the city storm water inspector uses the State's inspection form and completes the Notice of Termination (NOT) Inspection section of that form and sends a copy to the State for their records.

5. Once the State has received confirmation that the site meets all the requirements the NOT is granted.



UPDES STORM WATER INSPECTION EVALUATION FORM FOR SWPPP COMPLIANCE



BACKGROUND INFORMATION

Site Name:	UPDES Permit #:								
Site Address:									
Local Jurisdiction or County:	<table border="1" style="float: right; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Inspection cycle (circle)</td> <td style="padding: 2px;">High</td> <td style="padding: 2px;">7</td> <td style="padding: 2px;">14</td> </tr> <tr> <td></td> <td style="padding: 2px;">Priority</td> <td style="padding: 2px;">days</td> <td style="padding: 2px;">days</td> </tr> </table>	Inspection cycle (circle)	High	7	14		Priority	days	days
Inspection cycle (circle)	High	7	14						
	Priority	days	days						
Permit Effective Date:	Permit Expiration Date:								
Total Project Area:	Total Disturbed Area:								
Project Type: (circle) <i>Subdivision</i> <i>Commercial</i> <i>Industrial</i> <i>Linear</i> (Road/Pipe/Power) <i>Land Disturbance</i>									

OPERATOR CONTACT INFORMATION

	NAMES	PHONE NUMBERS	E-MAIL
Operator:			
Onsite Facility Contact:			
Important Contacts:			
Important Contacts:			

SWPPP PRE-SITE REVIEW INFORMATION

	YES	NO
1. Has a pre-construction review of the SWPPP been conducted by the appropriate municipal agency?		
2. Are contact names, positions, responsibilities, and telephone numbers of the Stormwater Team and all other site Operators listed in the SWPPP?		
3. Does the SWPPP include a site map showing storm drains, slopes/surface drainage patterns, SW discharge points, construction boundaries, limits of disturbance, surface waters (name of receiving water), TMDL requirements, buffer zones, structural controls, and does it define/explain non-structural controls?		
4. Does the SWPPP have an estimate of the area to be disturbed, a sequence of construction activities, the SW runoff coefficient before and after construction, a description of the soil types, controls for discharges from (asphalt/concrete) batch plants if any, list UIC Class 5 Injection Well activities and use, show wetland areas, and have a description of the nature of the construction activity?		
5. Does the SWPPP and site map show erosion and sediment controls placement & details, buffer zone documentation (e.g. erosion blankets, mulch, slope drains, check dams, sediment basins, grass-lined channels, fiber rolls, sediment traps, silt fence, inlet protection, curb cut-back, dust control, chemical treatments etc?)		
6. Does the SWPPP and site map show and describe good housekeeping controls and storage areas of polymers, flocculants or other treatment chemicals, spill prevention and mitigation measures, staff training procedures and logs. (e.g. track out pad, street sweeping, material storage, construction waste containment and removal, sanitary waste, concrete washout pits, etc)		
7. Are post-construction elements included in the SWPPP? (i.e. grass swales, detention basins, vegetated filter strips, infiltration, depression storage, landscaping/xeriscaping, discontinuous concrete or hard surface SW conveyance, etc.)		
8. Are the SWPPP Certifications signed by the proper and responsible officers and parties (see permit Appendix G Part G. 16,1,2& 1.3)		
9. Are the NOI , a copy of the State permit, Appendix logs and forms in the SWPPP?		

NOTICE OF TERMINATION (NOT) INSPECTION

Site Name:	Date of Evaluation:
------------	---------------------

Site Address:

Inspected By:	Title\Organization:
---------------	---------------------

	YES	NO	COMMENTS:
1. Has the site been properly stabilized according to permit requirements?	<input type="checkbox"/>	<input type="checkbox"/>	
2. Have all temporary BMPs been removed?	<input type="checkbox"/>	<input type="checkbox"/>	
3. Have post-construction (permanent storm water system) elements been constructed and inspected in accordance with approved project drawings?	<input type="checkbox"/>	<input type="checkbox"/>	
4. Is the site acceptably clean?	<input type="checkbox"/>	<input type="checkbox"/>	

Municipal Inspector (print):	Signature:
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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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted 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.

Inspector:

(Print Name)	(Title)	(Signature)	(Date)
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Operator:

(Print Name)	(Title)	(Signature)	(Date)
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modified 6/15/2014

Operator:

(Print Name)	(Title)	(Signature)	(Date)
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modified 6/1/15



SWPPP COMPLIANCE INSPECTION FORM



Project Name:		Address:		Date:	
Owner:		Contractor (Gen/Sub):		Start time:	
Site Contact:		Phone:		Stop time:	
UPDES Permit #:		Expiration:		Weather: Sunny Snowing	
Date of last rain event:		Duration:		(in):	
Inspected By (Print):		Local Jurisdiction or County:			
Reason for Inspection:		Scheduled Complaint/Tip Random		Receiving Waters:	
Inspection Code (circle): SW sampling SW non-sampling		Inspector Code (circle): (S) State (L) Local		Type Code (circle): 1 - Municipal 2 - Industrial 3 - State	

SWPPP, EROSION, SEDIMENT AND HOUSEKEEPING BMP'S INFORMATION

	YES	NO	N/A
1. Is the SWPPP on site and accessible, or is the SWPPP location posted in an obvious place and reasonably accessible (in a short time)?			
2. Are erosion control, sediment control, buffer controls and good housekeeping BMP's installed on the site as shown in the SWPPP?			
3. Has the SWPPP been updated to reflect the current site conditions (modifications dated & initialed on site map, new BMPs on site map, discontinued BMPs crossed off site map, new BMP details & spec's in SWPPP, SWPPP amendment Log, etc.)?			
4. Are on-site inspections being performed and recorded by a qualified person on a weekly or biweekly basis, reporting items required by permit? (Inspector name, qualifications and signature, weather, problems/repairs, corrective action, new BMPs, removed BMPs, discharges, etc.)			
5. Have all corrective action items from previous inspections been logged, addressed and documented within the time frame allotted?			
6. Are SW flows entering and leaving the construction site controlled, managed, or diverted around the site? (e.g. buffer zones perimeter controls, berms, silt fence, up gradient boundary diversion, down gradient boundary sediment control, etc.)			
7. Is there evidence of sediment discharge such as mud flows or soil deposits from the construction site in downstream locations?			
8. Is there evidence of vehicles tracking soil off the construction site?			
9. Is there soil, construction material, landscaping items, or other debris piled on impervious surfaces (roads, drives) that could be washed with SW to a storm drain or water body?			
10. Is there a need to repair, maintain, or improve erosion control BMPs (temporary stabilization, erosion blankets, mulch, vegetated strips, riprap, surface roughening, pipe slope drain, dust control, etc)?			
11. Is there a need to repair, maintain, or improve sediment control BMPs (silt fence, check dams, fiber rolls, sediment trap/basin, inlet protection, waddles, straw bails, curb cut-back, etc)?			
12. Is there a need to repair, maintain, or improve good housekeeping controls (clean track out pad, sweeping, construction materials management, litter/trash control, portable toilet, staked down, fueling areas, concrete wash out area, proper curb ramps, spill prevention, etc)?			
13. Are there disturbed areas that have not had construction activities for 14 to 21 days without stabilization? (except snow or frozen ground)?			
14. Are there places where BMPs are needed and should be installed or not needed and should be removed?			

COMMENTS AND CORRECTIVE ACTIONS FOR SWPPP COMPLIANCE

Identify the problem and its location. If appropriate, describe (in general terms) what needs to be completed. However, only if qualified (e.g., you are a designer) should you be mandating specific BMPs to install. Include the date when corrections are made.

EPA Form 3560-3 SEV Codes and Descriptions

DOR11		Discharge without a permit	BR19B		Failure to properly operate and maintain BMP's
DOR18		Failure to apply for a Notice of Termination	BR19A		Failure to properly install/implement BMP's
BOR12		Failure to conduct inspections	EOR16		Failure to submit required report (non-DMR)
BOC17		Failure to develop any or adequate SWPPP/SWMP	AOR22		Narrative effluent violation
BOC18		Failure to implement SWPPP/SWMP	DOR12		Failure to submit required permit information
BOR41		Failure to maintain records	AOR12		Numeric effluent violation
COR11		Failure to monitor	BOR42		Violation of a milestone in an order

Ogden City

Low-Impact Development Techniques

Storm Water Management Plan 2020



Low impact development is not currently directly addressed in our ordinance. Ogden City is currently in the process of creating one. Below is the draft table showing the approved LID techniques:

BMP	LID BMP Category	Right-of-Way	Private Property
Rain Garden	Bioretention		✓
Bioretention Cell		✓	✓
Bioswale		✓	✓
Vegetated Strip		✓	✓
Tree Box Filter		✓	✓
Green Roof			✓
Pervious Surface	Pervious Surfaces		
Infiltration Basin	Infiltration Devices	✓	✓
Infiltration Trench		✓	✓
Dry Well		✓	✓
Underground Infiltration Galleries		✓	✓
Harvest and Reuse			✓

Until the final LID document is within our ordinance, development is encouraged to use the techniques below on property.

The permit requires that MS4s consider Low Impact Developments (LIDs) for the community. (4.2.5.3.2, 4.2.6.4, and 4.2.4.3.3.) The following 7 categories with associated links are intended to assist communities in proper planning and Construction to encourage LID practices.

Below are excerpts from various websites (references are located at the end of the document):

Bio-Retention areas: *designed for site specific conditions to optimize the effectiveness of water filtration and retention. There is no standard. Creativity, ingenuity and dedication are the key to success.*

- Aquatic Buffers
- Green Parking Lots
- Bioretention
- Soil Amendments
- Soil Restoration
- Created Wetlands
- Dispersal Trench
- Conveyance Furrow
- Urban Forestry
- Vegetation Restoration
- Biofiltration
- Stormwater Planters

Green Roofs: A bio retention area as well as a form of rain water collection; it also adds a public place and social element.

- Green Roofs
- Biofiltration

Permeable Pavements: allow for water to permeate through the surface, yet still give a hard surface for pedestrian and vehicular traffic.

- Break Up Flow Directions From Paved Surfaces
- Use Alternative Surfaces
- Green Parking Lots

Rain water collection: Utah law allows for re-use on site. For larger buildings such as offices and malls this is an impact that could greatly reduce storm drain usage in the area.

- Water Harvesting and Reuse
- Parking Lot and Street Storage
- Dispersal Trench
- Pop-Up Emitter

Riparian Buffers: Applied along a watershed by restricting development along creeks, streams, washes, etc. This keeps the natural flow of water, mitigates erosion and contamination, and provides an interconnected habitat for animals, and recreation opportunities.

- Protect Natural Site Functions
- Preserve Natural Corridors
- Aquatic Buffers

Green Street System: Includes the different aspects of rain gardens and swales along roads into an incorporated system for retention and filtration of storm water.

- Reduced Clearing and Grading
- Functional Grading
- Locate Impervious Surfaces to Drain to Natural Systems
- Minimize Directly Connected Impervious Areas
- Break Up Flow Directions From Paved Surfaces
- Trail and Path Network
- Narrow Roadways
- Reconfigure Driveways
- Alternative Turnarounds
- Green Parking Lots
- Stormwater Planters
- Urban Forestry
- Alternative Street Layouts
- Eliminate Curb and Gutter

Zoning/Alternative Development Configurations and Standards: creative zoning and development standards directed towards minimizing disturbances of the natural habitat and hydrology of the area.

- *Site Fingerprinting*
- *Fit Development to Natural Gradient*
- *Alternative Development Configurations*
- *Define Development Envelope*
- *Identify Sensitive Areas*
- *Alternative Lot Configuration*
- *Reconfigure Driveways*
- *Alternative Turnarounds*
- *Reduced Sidewalk Application*
- *Alternative Street Layouts*

- *Eliminate Curb and Gutter*
- *Large lot sizes – higher impervious area percentage*
- *Cluster Zoning – consolidating development – fewer impacted areas*
- *Development credits – limiting overall development in a community*
- *Considering conservation easements*
- *Limit maximum Directly Connected Impervious Areas (DCIA)*

References:

www.lid-stormwater.net (Tool created through Cooperative Assistance Agreement under the US EPA Office of Water 104b(3) Program)

<http://www.epa.gov/owow/NPS/lid/lid.pdf>

http://www.deq.idaho.gov/water/data_reports/storm_water/catalog/sec_3/text.pdf



Below are some ideas that will help bring water quality into all projects. Many are already parts of Ogden City’s goals and policies:

1. Review Storm Drain Master Plan for opportunities to include water quality projects or water quality aspects to Capital Improvement Projects.
2. Update Master Plan to include water quality issues.
 3. During conceptual design review meetings – ask the questions –
 - a. *Is there opportunity to include water quality aspects to this project?*
 - b. *Are there any highly impacted areas?*
 - c. *Are there low-impact development concepts and ideas that might work for this project?*
 - d. *Can we limit directly connected impervious areas (DCIA) on this project?*
 - e. *What could be done to minimize runoff?*
4. Train all employees, contractors and developers on SOP’s and BMP’s for all projects.
5. Include SWPPP discussion as part of the agenda for preconstruction meetings for all projects.
6. Look for “green money” funding options for water quality aspects of all projects.
7. Follow normal SWPPP review process/checklist review for all projects

Permit References

- 4.2.6.7. *The Permittee must develop and implement a process to assess the water quality impacts in the design of all new flood management structural controls that are associated with the Permittee or that discharge to the MS4. This process must include consideration of controls that can be used to minimize the impacts to site water quality and hydrology while still meeting project objectives. A description of this process must be included in the SWMP document*
- 4.2.6.8. *Construction Projects. Public construction projects shall comply with the requirements applied to private projects. All construction projects disturbing greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, owned or operated by the Permittee are required to be covered under the General UPDES Permit for Storm Water Discharges Associated with Construction Activities. All public projects approved after the effective date of this Permit shall include construction and post-construction controls selected and implemented pursuant to the requirements in Parts 4.2.4. and 4.2.5.*

2. APPENDIX A - Supplemental Guide to Storm Water Management for Contractors

Appendix A is intended to be part of the SWMP yet removable for Contractors

1. Design Methods and Considerations
2. SWPPP Review Criteria/Checklists see 3.5
3. Construction BMP fact sheets see 3.2
4. Threatened/Endangered Species and Historic properties compliance efforts
5. Post Construction BMP Fact Sheets and Standard Details
6. BMP Maintenance
7. Maintenance Agreement Draft see 7.3
8. Inspection Procedures/Checklist see 3.7
9. Inspection Authority
10. Enforcement Procedures
11. Notice of Termination Procedures see 3.13
12. Construction Storm Water Inspection form (from State) 4.2.4.4.1 see 3.12
13. LID techniques
14. Including Water Quality on All Projects see 3.6