



Municipality of Anchorage



Handout AG.21

Storm Water Treatment Plan Review for New and Redevelopment Projects

Procedures

1. Review the Municipality of Anchorage Stormwater Manual, Volume 2, aka: Anchorage Stormwater Treatment Plan Review Guidance Manual, requirements presented, in part, in this handout and available on the Municipality's website at the Watershed Management Services website:
http://anchoragestormwater.com/Documents/DCM/ASM_Volume2_Final_December2017.pdf
2. For land disturbing activities that disturb 10,000 Square feet or more, or those that are part of a common plan of development that collectively disturb 1 acre or more you need to review the Manual and prepare the information required for plan approval.
3. For projects that are single family residential or duplex or disturb less than 10,000 square feet you need to complete the Type 1 SWPPP and Threat Assessment Form included on this handout.
4. Submit the documents to the Municipality of Anchorage, Development Services, Building Safety Permitting. You may contact Municipal Stormwater Plan Reviewer at (907) 343-7911.
5. Type 1, Type 2, and Type 3 SWPPPs shall be approved before a building, clearing, or fill and grading permit may be issued.

Robert Doehl, Building Official

Date: March 7, 2019

(Ref. 96-01, 00-03-02-05, 03-09, 17-08)

Construction Submittal Requirements

Project Category/Description ¹ (Areas referenced are areas of Land Disturbance. See Footnote 1 for Common Plan of Development)		New or Redevelopment Project			
		Less than 10,000 square feet	Greater than 10,000 square feet but less than 1 acre	1 acre or greater	
Submittal Item		Submittal Required?			
1	Threat Assessment Form	Yes	Yes	Yes	
2	Owner's Statement	No	Yes	Yes	
3	Storm Water Pollution Prevention Plan (SWPPP)	Type 1 SWPPP	Type 2 SWPPP	Type 3 SWPPP	
4	Notice of Intent for CGP	No	No	Yes	
5	Dewatering Plan	Required if pumped discharges will be involved			
6	Other information ³	Single family or duplex	No	Yes	Yes
		All other ²	Yes	Yes	Yes

- 1 Project categories assume that projects are not part of a common plan of development. For projects that are part of a larger plan of development, project category must consider the entire collective project.
- 2 "All other" includes, but is not limited to, triplexes and larger multi-housing projects; commercial developments; road, street, and drainage construction projects; filling and grading, and utility construction.
- 3 Other information includes additional pollution prevention plans that could be applicable to permanent site activities, such as MultiSector General Permit SWPPPs or Spill Prevention, Control and Countermeasure (SPCC) plans; and copies of other permits, such as wetland fill permits.

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Project Name: _____ MOA Permit Number _____

Single Family/Duplex or Commercial? _____ Area of Disturbance (sq. ft) _____ Excavation Depth (ft): _____

Subdivision: _____ Lot: _____ Block: _____ Tract: _____ Parcel: _____

Street Address: _____

Contact Name: _____ Phone Number: _____

The Minimum Requirements that may apply to any proposed new development or redevelopment are identified here and, if applicable, satisfied through the submission of this completed form.

Applicability: A Type 1 SWPPP must be submitted if your project is within the MOA and if it:

- Disturbs less than 10,000 square feet of land AND
- Is not part of a larger common plan of development. "Common Plan of Development" is a contiguous construction project where multiple separate and distinct construction activities may be taking place at different times on different schedules but under one plan. Included in this definition are most subdivisions and industrial parks

In particular, the operators of these projects must:

- Complete and submit this form to the MOA.
 - ✓ Fill in appropriate boxes on pages 2-4
 - ✓ Complete the site plan sketch on page 5.
 - ✓ Complete the Owner's statement on page 6.
- Complete and submit a Stormwater Runoff Threat Assessment Form (Appendix A).
- Conduct work in a "good housekeeping" manner.
- Implement appropriate BMPs for control of stormwater runoff during construction, including:
 - ✓ Isolate construction materials from rainfall and snowfall events
 - ✓ Prevent the transport of sediment beyond site boundaries
 - ✓ Stabilize soil on non-building site areas
- Perform inspections and properly maintain erosion and sediment controls
- Achieve final site stabilization

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Check appropriate blanks below and complete the site diagram with necessary information.

Site Characteristics

Complete	Not Applicable	
_____	_____	North arrow and site boundary. Indicate and name adjacent streets or roadways.
_____	_____	Location of existing drainage ways, streams, rivers, lakes, wetlands, or wells near the site.
_____	_____	Location of existing and planned storm sewer inlets and culvert crossings within 100 feet of the site.
_____	_____	Location of existing and proposed buildings and paved areas.
_____	_____	Areas of land disturbance, which includes areas of soil disturbance for any purpose, including footings, foundations, parking, driveways, staging, temporary access, on-site wastewater systems, and on- and off-site utilities
_____	_____	Limits and approximate dimensions of the proposed disturbed area on the site.
_____	_____	Approximate gradient and direction of slopes before grading operations
_____	_____	Approximate gradient and direction of planned slopes after grading operations.
_____	_____	Overland runoff (sheet flow) coming onto the site from adjacent areas.

Erosion Control Practices

Complete	Not Applicable	
_____	_____	Location of temporary soil storage piles. Note: Soil storage piles should be placed behind a silt fence, 25-foot (minimum) wide vegetative strip, or be covered with a tarp and located more than 25 feet from any down slope road or drainage way.
_____	_____	Location of temporary gravel access drive(s). Note: Gravel drives shall have 2 to 3 inch aggregate stone laid at least 10 feet wide and 6 inches thick. Drives shall extend from the roadway 50 feet or to the building (whichever is less).
_____	_____	Location of sediment controls (filter fabric fence, rock sediment trap, 25-foot wide vegetative buffer strip or other planned practices) that prevent eroded soil from leaving the site. Note: Sediment controls should be installed along the downslope sides of the disturbed areas. Sediment Controls will be installed around soil storage piles,

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around inlets, at outlets of drainageways, and along adjacent drainageways which receive runoff from the site.

_____ Location of sediment barriers around storm sewer inlets.

_____ Location of diversions.

Note: Concentrated flow (drainageways, ditches, channels) shall be diverted (redirected) around disturbed areas. Overland runoff (sheet flow) from adjacent areas greater than 10,000 sq. ft. shall also be diverted around disturbed areas in a manner that will not adversely impact adjacent landowners. 2) Diversions will be stabilized with seeding and mulching within 24 hours of diversion completion.

_____ Location of practices that will control erosion in areas of concentrated flow.

_____ Location of practices that will be applied to control erosion on steep slopes (greater than 12% grade)

Note: Drainage ways will be stabilized with seeding, mulching, erosion control mats, in-channel fabric, or rock riprap. When used, a given in-channel barrier should not receive drainage from more than two acres of unpaved area, or one acre of paved area. In-channel practices should not be installed in perennial stream. Stabilization and other appropriate measures should be completed within 24 hours of drainageway completion. Sediment controls will be installed at the outlet ends of drainageways.

Management Strategies

Completed Not Applicable

_____ Temporary stabilization of disturbed areas.

Note: Disturbed areas and soil piles left inactive for more than 14 days must be stabilized by seeding (between May 1 and September 1) or by other cover, such as a tarp or heavy mulching.

_____ Permanent stabilization of site by re-vegetation, lawn establishment, or other means as soon as possible.

Indicate re-vegetation method: Seed ___ Sod ___ Other _____

Expected date of permanent re-vegetation _____

Revegetation the responsibility of: Builder ___ Owner/Buyer _____

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Planned temporary stabilization if site is not seeded by September 1 or sodded by September 15?

Use of downspout to direct runoff away from structures and onto sod or pavement until vegetation is stable. After grass is well established, downspouts shall be permanently directed to grass areas.

Trapping sediment during site dewatering operations.

Location: _____

Note: Sediment laden discharge should be temporarily ponded behind a sediment barrier until most of the sediment settles out. If dewatering is anticipated, a dewatering plan must be submitted with this checklist.

Proper disposal of building material waste so that pollutants and debris do not are not carried off-site by wind or water.

Inspection Requirements

Site operator must inspect disturbed areas, areas used for storage of materials that are exposed to precipitation, physical controls, and vehicle exits at a minimum every 14 days from March until freeze-up. Inspections must also be conducted throughout the year within 24 hours after events that produce runoff or during runoff events that last more than 24 hours.

Maintenance Requirements

If inspections reveal erosion and sediment control practices that are not effective, or appear likely to be ineffective for anticipated conditions (due to anticipated site activities and weather), the practices must be adjusted (including repair, modification, replacement, sediment removal, or additional practices) as soon as practicable, but no later than 7 calendar days following the inspection.

Final Stabilization Requirements

At the completion of land disturbing activities, all disturbed and exposed soil shall be stabilized. Areas that are uphill of installed ESC practices shall be stabilized prior to removal of those controls.

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Instructions: Complete this diagram. Give consideration to potential erosion that may occur before, during, and after grading. Water runoff patterns can change significantly as a site is reshaped. Use additional sheets of paper if needed. Site plan should show stabilized construction exits, silt fencing, sediment trap (if necessary), areas to be stabilized, and method of stabilization.

	Erosion Control Plan Legend	
		Property Line
		Area of Land Disturbance*
		Temporary Diversion
		Existing Drainage
		Finished Drainage
		Limits of Grading
		Silt Fence
		Gravel Exit
		Vegetation Specification
		Tree Preservation
		Stockpiled Soil
	Include North Arrow	

* Land disturbance includes areas of soil disturbance for any purpose, including foundations, footings, parking, driveways, staging, temporary access, on-site wastewater systems, and on- and off-site utilities.

Project Location:

(Address) (Street) (Lot) _____

Builder: _____ Owner: _____

Worksheet completed by: _____

Installation and maintenance of erosion control practices responsibility of:

Name: _____ Phone: _____

Permanent seeding/sodding responsibility of:

Name: _____ Phone: _____

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OWNER'S STATEMENT

I have read the above checklist, completed this form, completed and attached the *Stormwater Runoff Threat Assessment Form*, and have enclosed the necessary design information concerning the above referenced proposed project demonstrating it is a Type 1 SWPPP Project. By my signature I certify the enclosed information, that I will install or perform necessary BMPs and maintain them throughout the project, and that the project is (check one):

privately owned and that I am the owner. privately owned and that I am the developer.

I further certify that the project is or is not part of a larger common plan of development.
If the project is part of a common plan of development that collectively disturbs 1 or more acres, submit a copy of the NOI.

Signature (please sign in ink): _____ Date: _____

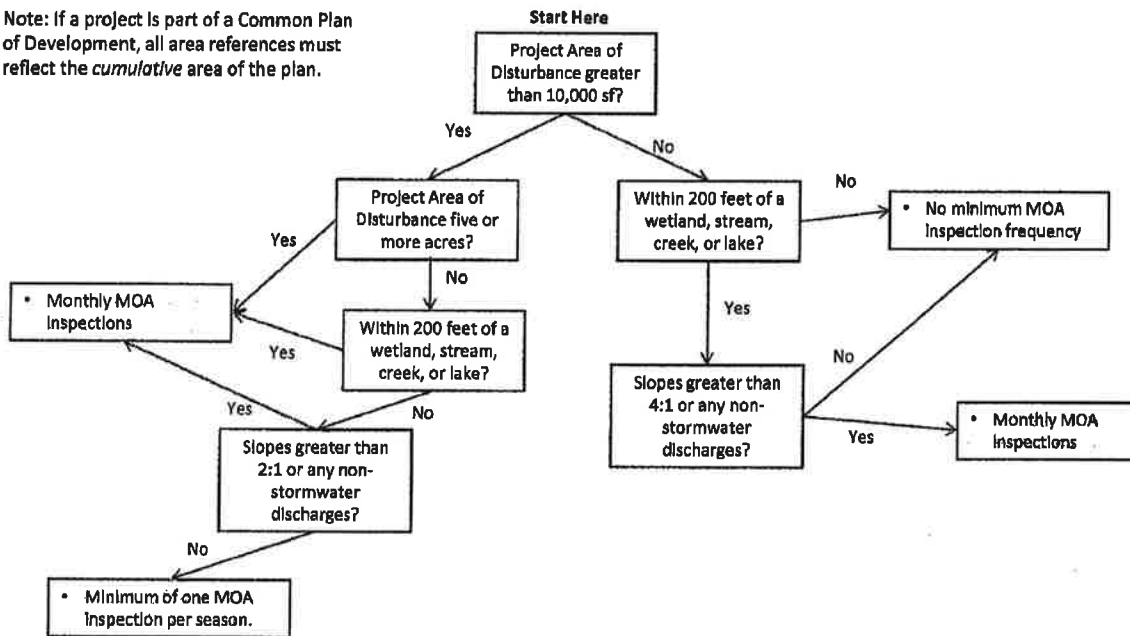
Name and Official Title (print or type):

Company or Agency (if applicable):

Stormwater Threat Assessment Form

Please circle your responses.

Note: If a project is part of a Common Plan of Development, all area references must reflect the *cumulative* area of the plan.



I certify that the above information is true and correct to the best of my knowledge.

Signature

Printed Name and Title