Municipality of Anchorage

Handout AG.21

Storm Water Treatment Plan Review for New and Redevelopment Projects

Procedures


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 in 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/Description¹ (Areas referenced are areas of Land Disturbance. See Footnote 1 for Common Plan of Development) | New or Redevelopment Project |
| --- | --- | --- | --- |
| 1 Threat Assessment Form | Less than 10,000 square feet | Greater than 10,000 square feet but less than 1 acre | 1 acre or greater |
| 2 Owner’s Statement | Yes | No | Required if pumped discharges will be involved |
| 3 Storm Water Pollution Prevention Plan (SWPPP) | Type 1 SWPPP | Type 2 SWPPP | Type 3 SWPPP |
| 4 Notice of Intent for CGP | No | Yes | Yes |
| 5 Dewatering Plan | Single family or duplex | All other ² | Yes |
| 6 Other information ³ | 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.
MUNICIPALITY OF ANCHORAGE
Type 1 Storm Water Pollution Prevention Plan

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

Page 1 of 6
MUNICIPALITY OF ANCHORAGE
Type 1 Storm Water Pollution Prevention Plan

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.
MUNICIPALITY OF ANCHORAGE

Type 1 Storm Water Pollution Prevention Plan

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 ___

Page 3 of 6
MUNICIPALITY OF ANCHORAGE

Type 1 Storm Water Pollution Prevention Plan

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.
MUNICIPALITY OF ANCHORAGE
Type 1 Storm Water Pollution Prevention Plan

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.

<table>
<thead>
<tr>
<th>Erosion Control Plan</th>
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<tbody>
<tr>
<td>Legend</td>
</tr>
<tr>
<td>Property Line</td>
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<tr>
<td>Area of Land Disturbance*</td>
</tr>
<tr>
<td>Temporary Diversion</td>
</tr>
<tr>
<td>Existing Drainage</td>
</tr>
<tr>
<td>Finished Drainage</td>
</tr>
<tr>
<td>Limits of Grading</td>
</tr>
<tr>
<td>Silt Fence</td>
</tr>
<tr>
<td>Gravel Exit</td>
</tr>
<tr>
<td>Vegetation Specification</td>
</tr>
<tr>
<td>Tree Preservation</td>
</tr>
<tr>
<td>Stockplled Soil</td>
</tr>
</tbody>
</table>

* 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: ___________________________

Page 5 of 6
MUNICIPALITY OF ANCHORAGE
Type 1 Storm Water Pollution Prevention Plan

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.

Start Here

**Project Area of Disturbance greater than 10,000 sf?**

- Yes
  - **Project Area of Disturbance five or more acres?**
    - Yes
      - Monthly MOA Inspections
    - No
      - Within 200 feet of a wetland, stream, creek, or lake?
        - Yes
          - Minimum of one MOA Inspection per season.
        - No
          - Slopes greater than 2:1 or any non-stormwater discharges?
            - Yes
              - Monthly MOA Inspections
            - No
              - No minimum MOA Inspection frequency

- No

Within 200 feet of a wetland, stream, creek, or lake?

- Yes
  - Slopes greater than 4:1 or any non-stormwater discharges?
    - Yes
      - Monthly MOA Inspections
    - No
      - No minimum MOA Inspection frequency

- No

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

Signature ____________________ Printed Name and Title ____________________