

**Erosion and Sediment Control Plan**  
**For**  
**Mat-Su Borough September 2012 Southcentral**  
**Flooding Permanent Repairs**  
**0085003/Z571820000**

**Mat-Su Borough, Alaska**



**Alaska Department of Transportation & Public Facilities**  
**Central Region**  
**P.O. Box 196900**  
**Anchorage, Alaska USA 99519-6900**

**Prepared By: Vince Flack**

**ESCP Preparation Date: November, 2019**

*The following Erosion and Sediment Control Plan (ESCP) has been prepared by the Alaska Department of Transportation and Public Facilities (DOT&PF) to assist bidders in successfully planning their construction means and methods to comply with the 2016 Alaska Construction General Permit (ACGP), United States Army Corps of Engineers (USACE) 404/10 Permit, Alaska Department of Environmental Conservation (ADEC) 401 Water Quality Certification, Alaska Department of Fish and Game (ADF&G) Title 16, and other permits associated with this project. This document is not intended to be all inclusive of the best management practices (BMP's) that will be required to reduce the potential for sediment discharge during construction and comply with permit conditions or construction specifications. This ESCP is intended to guide contractors during the bidding process and assist in the preparation of the contractor's Storm Water Pollution Prevention Plan (SWPPP) that must be approved prior to commencing construction after award. The contractor is responsible for the risk assessment analysis, planning, preparation and implementation of the SWPPP.*

# TABLE OF CONTENTS

1.0 PERMITTEE (5.3.1) .....	1
1.1 Operator(s)/Contractor(s) .....	1
1.2 Subcontractors .....	2
2.0 STORM WATER CONTACTS (5.3.2).....	3
2.1 Contact Information for SWPPP Preparation .....	4
3.0 PROJECT INFORMATION (5.3.3).....	5
3.1 Project Information .....	5
3.2 Project Site-Specific Conditions (5.3.3) .....	5
3.3 Reference Documents Available .....	6
4.0 NATURE OF CONSTRUCTION ACTIVITY (5.3.4) .....	6
4.1 Scope of Work .....	6
4.2 Project Function (5.3.4.1) .....	7
4.3 Support Activities (As Applicable) .....	7
4.4 Sequence and Timing of Soil-disturbing Activities (5.3.4.2).....	7
4.5 Size of Property and Total Area expected to be Disturbed (5.3.4.3) .....	8
4.6 Identification of All Potential Pollutant Sources (5.3.4.5) .....	8
5.0 SITE MAPS (5.3.5).....	10
6.0 DISCHARGES .....	12
6.1 Locations of Other Industrial Storm Water Discharges (5.3.8) .....	12
6.2 Allowable Non-Storm Water Discharges (1.4.3; 4.3.7; 5.3.9) .....	12
7.0 DOCUMENTATION OF PERMIT ELIGIBILITY RELATED TO TOTAL MAXIMUM DAILY LOADS (3.2, 5.6) 13	
7.1 Identify Receiving Waters (5.3.3.3) .....	13
7.2 Identify TMDLs (5.6.1) .....	13
8.0 DOCUMENTATION OF PERMIT ELIGIBILITY RELATED TO ENDANGERED SPECIES (3.3, 5.7).....	14
8.1 Information on Endangered or Threatened Species or Critical Habitat (5.7.1) .....	14
9.0 APPLICABLE FEDERAL, STATE, TRIBAL, OR LOCAL REQUIREMENTS (4.10, 4.15) .....	14
9.1 Historic Properties .....	14
9.2 Projects near Public Water System (PWS) (4.10) .....	14
10.0 CONTROL MEASURES/BEST MANAGEMENT PRACTICES (4.0; 5.3.6) .....	18
10.1 Minimize Amount of Soil Exposed during Construction Activity (4.2.2) .....	20
10.1.1 Site Delineation (4.2.1) .....	20
10.2 Maintain Natural Buffer Areas (4.2.3) .....	20
10.2.1 Clearing Vegetation (4.2.4).....	21
10.3 Control Storm Water Discharges and Flow Rates (4.2.5) .....	21

10.3.1	Protect Steep Slopes (4.2.6)	21
10.4	Storm Water Inlet Protection Measures (4.3.1)	22
10.5	Water Body Protection Measures (4.3.2)	22
10.6	Down-Slope Sediment Controls (4.3.3)	23
10.7	Stabilized Construction Vehicle Access and Exit Points (4.3.4)	23
10.8	Dust Generation and Track-Out from Vehicles (4.3.5)	24
10.9	Soil Stockpiles (4.3.6)	24
10.10	Sediment Basins (4.3.8)	24
10.11	Dewatering (4.4)	25
10.12	Permanent/Post-Construction BMPs (4.11)	25
10.12.1	Soil Stabilization (4.5, 5.3.6.3)	25
10.13	Treatment Chemicals (4.6; 5.3.6.4)	26
10.13.1	Treatment Chemicals (4.6.1)	26
10.13.2	Treatment Chemical Use Procedures (4.6.2)	26
10.13.3	Application of Treatment Chemicals (4.6.3)	26
10.14	Active Treatment System Information (4.6.3.3)	26
10.15	Good Housekeeping Measures (4.8)	27
10.15.1	Washing of Equipment and Vehicles (4.8.1)	27
10.15.2	Fueling and Maintenance Areas (4.8.2)	27
10.15.3	Washout of Applicators/Containers Used for Paint, Concrete, and Other Materials (4.8.4)	28
10.15.4	Fertilizer or Pesticide Use (4.8.5)	28
10.16	Spill Notification (4.9)	28
10.17	Construction and Waste Materials (4.8.6, 5.3.7)	29
11.0	INSPECTIONS (5.4; 6.0)	30
11.1	Inspection Schedules (5.4.1.2; 6.1; 6.2)	30
11.2	Inspection Form or Checklist (5.4.1.3; 6.7)	31
11.3	Corrective Action Procedures (5.4.1.4; 8.0)	31
11.4	Inspection Recordkeeping (5.4.2)	31
12.0	MONITORING PLAN (IF APPLICABLE) (5.5; 7.0)	32
12.1	Determination of Need for Monitoring Plan	32
13.0	POST-AUTHORIZATION RECORDS (5.8)	32
13.1	Additional Documentation Requirements (5.8.2)	32
13.1.1	Records of Employee Training (4.14; 5.8.2.7)	32
14.0	MAINTAINING AN UPDATED SWPPP (5.9)	33
14.1	Log of SWPPP Modifications (5.9.2)	33
14.2	Deadlines for SWPPP Modifications (5.9.3)	33
15.0	ADDITIONAL SWPPP REQUIREMENTS (5.10)	33
15.1	Retention of SWPPP (5.10.1)	33

15.2	Main Entrance Signage (5.10.2).....	33
15.3	Availability of SWPPP (5.10.3) .....	34
15.4	Signature and Certification (5.10.4) .....	34

## APPENDICES

Appendices that are marked with **(ESCP)** are to be filled out by the Designer. All other appendices are to be filled out by the SWPPP preparer and will not be included in the ESCP.

- Appendix A Site Maps and Drawings **(ESCP)**
- Appendix B BMP Details **(ESCP)**
- Appendix C Project Schedule
- Appendix D Supporting Documentation: **(ESCP)**
  - TMDLs
  - Endangered Species
  - Historic Properties
  - ADEC Non-Domestic Wastewater Plan Review Non-Objection Letter (if required)
  - ADEC Dewatering Permit (if required)
  - Environmental Permits and Commitments
  - Other Permits or Requirements
- Appendix E Project Specific ESCP Discussion & Comments

The above Appendix E is for ESCP writers only and should include any additional information that the Designer would like to share with the SWPPP preparer. Below is the list of Appendices to be included in the SWPPP.

- Appendix E Delegation of Authority (25D-107, 25D-108), Subcontractor Certifications (25D-105), Project Staff Tracking (25D-127) and Personnel Qualifications
- Appendix F Permit Conditions:
  - Copy of Signed Notice of Intent
  - Copy of Letters from ADEC Authorizing Coverage, with ADEC NOI Tracking Number
  - Copy of 2016 Alaska Construction General Permit
- Appendix G Grading and Stabilization Records (25D-110)
- Appendix H Monitoring Plan (If Applicable) and Reports
- Appendix I Training Records (25D-125)
- Appendix J Corrective Action Log and Delayed Action Item Reports (25D-112, 25D-113)
- Appendix K Inspection Records (25D-100)
- Appendix L SWPPP Pre-construction Site Visit (25D-106)
- Appendix M SWPPP Amendment Log (25D-114)
- Appendix N Daily Record of Rainfall (25D-115)
- Appendix O Hazardous Materials Control Plan
- Appendix P Treatment Chemical/Active Treatment Systems (if applicable)
- Appendix Q Other
  - Anti-Degradation Analysis (if applicable)
  - Correspondence with Regulatory Agencies
  - Notices of Termination

## 1.0 PERMITTEE (5.3.1)

The Department of Transportation & Public Facilities (DOT&PF) will be a permittee for the project. Upon the approval of the contractor's Storm Water Pollution Prevention Plan (SWPPP) by DOT&PF, the contractor will be required to submit a Notice of Intent (NOI) and obtain permit coverage as an operator. The contractor's contact information as well as contact information for all subcontractors must be included in the contractor's SWPPP. All subcontractors will be required to sign a certification (DOT&PF Form 25D-105) that they have read the Alaska Construction General Permit (ACGP) and the contractor's SWPPP and will adhere to their terms and conditions.

### 1.1 Operator(s)/Contractor(s)

Operator Information			
Organization: Enter Text	Name: Enter Text	Title: Enter Text	
Phone: Enter Text	Fax (optional): Enter Text	Email: Enter Text	
Mailing Address:	Street (PO Box): Enter Text		
	City: Enter Text	State: Enter Text	Zip: Enter Text
Area of Control	Day-to-day operational control of those activities at a site which are necessary to ensure compliance with a SWPPP or other permit conditions.		

The contractor has day-to-day operational control over activities in the field, including subcontractors, installing, maintaining, and inspecting all erosion and sediment controls and implementation of the SWPPP.

Repeat as necessary.

Owner Information			
Organization: State of Alaska Department of Transportation and Public Facilities (DOT&PF)	Name: Enter Text	Title: Enter Text	
Phone: Enter Text	Fax (optional): Enter Text	Email: Enter Text	
Mailing Address:	Street (PO Box): P.O. Box 196900		
	City: Anchorage	State: Alaska	Zip: 99519-6900
Area of Control	Operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications.		

## 1.2 Subcontractors

Subcontractor Information			
Organization: Enter Text		Name: Enter Text	Title: Enter Text
Phone: Enter Text	Fax (optional): Enter Text	Email: Enter Text	
Mailing Address:	Street (PO Box): Enter Text		
	City: Enter Text	State: Enter Text	Zip: Enter Text
Area of Control	Insert Area of Control (if more than one operator at site)		

Repeat as necessary to include all subcontractors.

## 2.0 STORM WATER CONTACTS (5.3.2)

Identify the qualified persons responsible for the following required positions (note: a small project may have all these responsibilities carried out by one person):

Superintendent; DOT&PF's Project Engineer; Storm Water Lead (5.3.2.1); SWPPP Preparer (5.3.2.2); Person(s) Conducting Inspections- Contractor's SWPPP Manager and DOT&PF's Storm Water Inspector (5.3.2.3); Person(s) Conducting Monitoring (if applicable, 5.3.2.4), and Person(s) Operating Active Treatment System (if applicable, 5.3.2.5).

Document that the named individuals are Qualified Persons as described in ACGP Appendix C. Include documentation of qualifications in Appendix E of the SWPPP.

Qualified Personnel	Responsibility
<p><b>Contractor's Superintendent</b>            Company            Name            Address            City, State, Zip Code            Telephone #            Fax/Email</p>	<p>The Contractor's duly authorized representative in responsible charge of the work. Authority for the overall operation of the Project and for Contractor furnished sites and facilities directly related to the Project.</p>
<p><b>DOT&amp;PF's Project Engineer</b>            Company            Name            Address            City, State, Zip Code            Telephone #            Fax/Email</p>	<p>The DOT&amp;PF's duly authorized representative in responsible charge of the work. Authority to stop and/or modify construction activities as necessary to comply with the SWPPP and the terms and conditions of the permit. Must approve all amendments.</p>
<p><b>SWPPP Manager (Storm Water Lead and Inspector)</b>            Company            Name            Address            City, State, Zip Code            Telephone #            Fax/Email</p>	<p>Authority to stop and/or modify construction activities as necessary to comply with the SWPPP and the terms and conditions of the permit. Assess conditions at the construction site that could impact storm water quality. Assess the effectiveness of any erosion and sediment control measures selected to control the quality of storm water discharge, and familiar with Part 6 as a means to ensure compliance with the permit.</p>
<p><b>SWPPP Preparer</b>            Company            Name            Address            City, State, Zip Code            Telephone #            Fax/Email</p>	<p>Possess the skills to assess conditions at the construction site that could impact storm water quality. Familiar with Part 5 as a means to implement the permit.</p>



<b>DOT&amp;PF's Storm Water Inspector</b> Company Name Address City, State, Zip Code Telephone # Fax/Email	Assess conditions at the construction site that could impact storm water quality. Assess the effectiveness of any erosion and sediment control measures selected to control the quality of storm water discharge, and familiar with Part 6 as a means to ensure compliance with the permit.
<b>Monitoring Person (If Applicable)</b> Company Name Address City, State, Zip Code Telephone # Fax/Email	Knowledgeable in the principles and practices of water quality monitoring who is familiar with Part 7 and the monitoring plan for the site and how to conduct water quality sampling, testing, and reporting.
<b>Active Treatment System Operator (If Applicable)</b> Company Name Address City, State, Zip Code Telephone # Fax/Email	Knowledgeable in the principles and practices of treatment systems that employs chemical coagulation, chemical flocculation or electrocoagulation to aid in the treatment of storm water runoff. Familiar with Part 4.5 as a means to implement and comply with the permit.

A SWPPP Project Staff Tracking log (Form 25D-127) will be included in Appendix E to document any changes in personnel for the positions of Superintendent, Project Engineer, SWPPP Manager, and Inspectors.

Delete the information below prior to submittal of SWPPP. This information is provided for the SWPPP Preparer and is not part of the SWPPP template.

## 2.1 Contact Information for SWPPP Preparation

The following people may be contacted for questions when writing the SWPPP:

<u>Name</u>	<u>Phone</u>	<u>Email</u>
Josh James	(907) 269-0459	joshua.james@alaska.gov

### 3.0 PROJECT INFORMATION (5.3.3)

#### 3.1 Project Information

Project Name: September 2012 Southcentral Flooding Permanent Repairs			
Location Address:	Street/Location: Varies		Borough or similar government subdivision: Matanuska-Susitna Borough
	City: Wasilla, Palmer, Houston, Willow, Talkeetna		State: Alaska
			Zip: Varies
	Latitude (decimal degree, 5 places): Varies		Longitude (decimal degree, 5 places): Varies
Determined By: <input type="checkbox"/> GPS <input type="checkbox"/> Web Map: <input type="checkbox"/> USGS Topo Map, Scale: <input type="checkbox"/> Other:			

This project comprises twenty sites damaged during the 2012 Southcentral flood event. These sites are scattered across the Matanuska-Susitna Borough.

#### 3.2 Project Site-Specific Conditions (5.3.3)

Mean annual precipitation based on nearest weather stations (inches):

Mean annual precipitation varies among the sites, from 27.56 inches in Talkeetna to 14.96 inches near Tahnetta Pass.

14.96 inches (Tahnetta Pass, 508945)

27.56 inches (Talkeetna AP, 508976)

18.08 inches (Eklutna Project, 502730)

Source: <http://www.wrcc.dri.edu/coopmap/#>

Size of the 2-yr, 24-hr storm event (in inches):

The size of the 2-yr, 24-hr storm varies from site to site between 1.3 inches in Sutton to 1.95 inches in Talkeetna.

1.30 inches (Sutton)

1.95 inches (Talkeetna)

1.33 inches (Palmer)

Source: [http://hdsc.nws.noaa.gov/hdsc/pfds/pfds\\_map\\_ak.html](http://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_ak.html)

Soil Type(s) and Slopes: Soils vary by site but are primarily glacial "till", clay/silt and sand and gravel. Existing roadway embankment slopes range from 6:1 to 1:1.

Source: Glenn Highway Milepost 100-109 Rehabilitation Engineering Geology Report, June 2002.

Landscape Topography: The terrain ranges from rolling to mountainous. The majority of the land surrounding the project sites is undeveloped.

Drainage patterns: Existing drainage flows off the roadway and embankment slopes into ditches, wetland, or streams. Drainage patterns will not change as a result of this project.

Source: Mat Su Borough September 2012 Southcentral Flooding Permanent Repairs DSR

Type of Existing Vegetation: The project location's temperate continental climate contains dense vegetation. Predominate vegetation includes small to large trees with a variety of grasses, shrubs, and saplings. Certain project sites are adjacent to or within wetlands.

Approximate growing season: May 8 – October 5

Source: <https://usace.contentdm.oclc.org/utis/getfile/collection/p266001coll1/id/7608>

Page 51

Seeding Dates: May 15 – August 15

Time Period to Avoid Vegetation Clearing: May 1 – July 15

Fish Window: May 15 – July 15

Historic site contamination evident from existing site features and known past usage of the site:

The Glenn Highway MP 102.5 – 105.5 (FY12-66-M) site is located adjacent to a contaminated site, but the site has been cleaned up.

Two other sites are located near the project but are greater than 0.2 miles away. See the Environmental Document for additional information.

<http://www.arcgis.com/home/webmap/viewer.html?webmap=315240bf84aa0b8272ad1cef3cad3>

Additional information about these sites is available on the ADEC Division of Spill Prevention and Response website:

<http://www.arcgis.com/home/webmap/viewer.html?webmap=315240bf84aa0b8272ad1cef3cad3> .

Include only those sites listed as 'Active' or 'Cleanup Complete – Institutional Controls'

### 3.3 Reference Documents Available

Listed below are the reference documents available for this project. Please contact the Project Engineer for assistance in obtaining these documents.

- Project Specific Permits – located in Appendix D and in the Special Provisions Package
- Environmental Document - available for review in the Preliminary Design & Environmental section of DOT&PF

## 4.0 NATURE OF CONSTRUCTION ACTIVITY (5.3.4)

### 4.1 Scope of Work

The Proposed Action would:

- Clear and grub vegetation at select sites.

- Repair sections of damaged pathway.
- Realign the road at Glenn Hwy MP 68.1.
- Regrade embankment slopes and re-establish ditches at several locations.
- Reconstruct failed embankment slopes and install soil stabilization.
- Repair fence
- Replace an in-stream step-pool system at Answer Creek.
- Armor several culvert ends.
- Topsoil and seed disturbed areas.

#### 4.2 Project Function (5.3.4.1)

The project will repair erosion damage caused by the 2012 flood event.

#### 4.3 Support Activities (As Applicable)

Modify support activities table, as necessary. "Dedicated" only applies to activities exclusively for the project, i.e. commercial concrete or asphalt plants would be marked "No" under the "Dedicated" column. Location must be provided for ALL support activities, even those which are commercial or off-site. Provide a physical address for the support activities. For private and/or commercial support activities locations, include the name of the individual and/or company and their physical address. Location may be an address or other descriptive location, i.e. NE corner of staging area.

Support activities for this project are:

Support Activity	Location	Dedicated	
		Yes	No
Concrete Batch Plant		<input type="checkbox"/>	<input type="checkbox"/>
Asphalt Batch Plant		<input type="checkbox"/>	<input type="checkbox"/>
Equipment Staging Yards		<input type="checkbox"/>	<input type="checkbox"/>
Material Storage Areas		<input type="checkbox"/>	<input type="checkbox"/>
Excavated Material Disposal Areas		<input type="checkbox"/>	<input type="checkbox"/>
Borrow Areas		<input type="checkbox"/>	<input type="checkbox"/>

#### 4.4 Sequence and Timing of Soil-disturbing Activities (5.3.4.2)

The contractor will be required to finish, either temporary or final stabilized, individual areas prior to moving on to the next area. The contractor will be required to prepare a detailed schedule for review and approval prior to commencement of construction activities and is to be included in the SWPPP. The schedule will

detail the sequence of activities and describe the stabilization schedule. The contractor must adapt this section with their specific plans in the project SWPPP.

Limit ground disturbed by construction activities and not permanently stabilized between all roadways combined, at any specific time, to a maximum of 11,000 feet parallel to the roadway(s), unless additional length is approved. Stabilize disturbed ground according to Section 641 Erosion, Sediment, and Pollution Control.

#### 4.5 Size of Property and Total Area expected to be Disturbed (5.3.4.3)

The following are estimates of the construction site:

Description	Number	Remarks
Total project area:	<b>7.14 acres</b>	
Construction-site area to be disturbed:	<b>7.14 acres</b>	
Percentage impervious area BEFORE construction:	<b>12.9%</b>	Paved area
Runoff Coefficient BEFORE construction:	<b>0.29</b>	Paved = 0.92 acres (C=0.90), Unimproved = 6.24 acres (C=0.2). No change to paved area.
Percentage impervious area AFTER construction:	<b>12.9 %</b>	Paved area
Runoff coefficient AFTER construction:	<b>0.29</b>	Paved = 0.92 acres (C=0.90), Unimproved = 6.24 acres (C=0.2). No change to paved area.

The values shown in the table above were calculated with the information available at the time of the final design. The contractor's values will be different due to staging areas, batch plants, material stockpiles, etc. The rational method was used to calculate the Runoff Coefficient. If a discrepancy is found, contact the Project Engineer to request further information.

#### 4.6 Identification of All Potential Pollutant Sources (5.3.4.5)

Identify and list all potential sources of sediment from construction materials and activities which may affect the quality of storm water discharges from the construction site.

Identify and list all potential sources of pollution, other than sediment, from construction materials and activities which may affect the quality of storm water discharges from the construction site.

Potential sources of sediment to storm water runoff:

- Clearing and grubbing
- Removal of pavement

- Excavation
- Ditch linear grading
- Culvert removal / installation
- Guardrail post installation
- Riprap installation

Potential pollutants and sources, other than sediment, to storm water runoff:

Trade Name Material	Storm Water Pollutants	Location

## **5.0 SITE MAPS (5.3.5)**

Site map(s) and drawings are located in Appendix A.

The SWPPP must include a legible site map (or set of maps for large projects) showing the entire site and identifying the following site-specific information:

1. North Arrow **(ESCP)**
2. Property boundaries **(ESCP)**
3. Locations where earth-disturbing activities will occur, noting any phasing dictated by design **(ESCP)**
4. Location of areas that will not be disturbed and natural features to be preserved **(ESCP)**
5. **New:** Locations of all storm water conveyances including ditches, pipes, and swales **(ESCP)**
6. **New:** Locations of storm water inlets and outfalls, with a unique identification code for each outfall **(ESCP)**
7. **New:** Location where storm water and/or authorized non-storm water discharges to waters of the U.S. (including wetlands) or a Municipal Separate Storm Sewer Systems (MS4), if present **(ESCP)**
8. Direction of storm water flow and approximate slopes anticipated after grading activities **(ESCP)**
9. Locations where control measures will be installed **(ESCP)**
10. Locations where exposed soils will be or have been stabilized
11. Locations where post-construction storm water controls will be installed (i.e. seeding areas, matting, riprap, sedimentation basins, etc.) **(ESCP)**
12. Locations of support activities, if known
13. Locations where authorized non-storm water will be used
14. **New:** Locations and sources of run-on to the site from adjacent property that may contain quantities of pollutants (e.g., sediment, fertilizers and/or pesticides, paints, solvents, fuels) which could be exposed to rainfall, or snowmelt, and could be discharged from your construction site, if applicable **(ESCP)**
15. Locations of all waters of the U.S. (including significant wetland areas 10,000 square feet or greater) on the site within 2,500 feet of the site boundary (~1/2 mile on each side of road) that may be affected by storm water discharges from the site (see Section 7.1) **(ESCP)**
  - a. This can be shown on a general location map (USGS quad map, a portion of a city or county map, or other map) with enough detail to identify the location of the construction site and waters of the U.S. within the one mile distance.
16. **New:** Location of existing public water system (PWS) drinking water protection areas (DWPA) for PWS sources (e.g. springs, wells, or surface water intakes) that intersect the boundary of the proposed project/permit area. The DWPAs can be found using the interactive web map application, "Alaska DEC Drinking Water Protection Areas", located at <http://dec.alaska.gov/eh/dw/dwp/protection-areas-map.aspx> **(ESCP)**
  - a. A copy of the webpage from the above URL will work with the addition of the project boundary and labels for the DWPAs by their ID numbers (see Section 9 for more information).
17. Sampling point(s), if applicable
18. Areas where final stabilization has been accomplished
19. Location of staging and material storage areas (construction materials, hazardous materials, fuels, etc.) **(ESCP, if known)**
20. Dumpsters
21. Porta-potties
22. Concrete, paint, or stucco washout areas
23. Stabilized construction exits **(ESCP, if known)**



## 6.0 DISCHARGES

Subject to compliance with the terms and conditions of the ACGP, the permittee is authorized to discharge pollutants in storm water discharges from the site. If the permittee is eligible for coverage under ACGP and does not comply with the requirements of the ACGP, the permittee may be in violation of this general permit for otherwise eligible discharges.

Instructions:

Describe and identify the location of any storm water discharge associated with support activities, including discharges from dedicated asphalt and concrete plants covered by the ACGP (5.3.8).

### 6.1 Locations of Other Industrial Storm Water Discharges (5.3.8)

The contractor is required to identify discharges from related support activities. Portable batch plants located on Department-supplied property must be included in the contractor's SWPPP and related inspections. If the DOT&PF is not an ACGP operator for the site or sites listed in this subsection, then describe the sites and BMPs for them in a separate SWPPP2. In this section, explain which areas are covered within this SWPPP and which are covered within a separate SWPPP2. Also provide information on where the SWPPP2 is available for review.

### 6.2 Allowable Non-Storm Water Discharges (1.4.3; 4.3.7; 5.3.9)

The contractor must list all allowable non-storm water discharges and describe how the discharges will be minimized and managed to reduce pollution to storm water in the contractor's SWPPP.

Allowable Non-Storm Water Discharges:

- Discharges from fire-fighting activities (1.4.3.1)
- Fire hydrant flushing (1.4.3.2)
- Waters used to wash vehicles where detergent are not used (1.4.3.3)
- Water used to control dust (1.4.3.4)
- Potable water including uncontaminated water line flushings (1.4.3.5)
- Routine external building wash down that does not use detergents (1.4.3.6)
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used (1.4.3.7)
- Uncontaminated air conditioning or compressor condensate (1.4.3.8)
- Uncontaminated, non-turbid discharges of ground water or spring water (1.4.3.9)
- Foundation or footing drains where flows are not contaminated with process materials such as solvents or contaminated groundwater (1.4.3.10)
- Construction dewatering waters that are treated by an appropriate control measure in compliance with Part 4.4.2 or have been treated with treatment chemicals in compliance with Part 4.6 (1.4.3.11)
- Landscape irrigation (1.4.3.12)

## 7.0 DOCUMENTATION OF PERMIT ELIGIBILITY RELATED TO TOTAL MAXIMUM DAILY LOADS (3.2, 5.6)

A search of the "Alaska's Final 2010 Integrated Water Quality Monitoring and Assessment Report" found no listings or impairments for the Little Susitna River, Willow Creek, Little Willow Creek, Kashwitna River, Granite Creek, Caribou Creek, Knik River, Answer Creek, Fish Lake, Birch Creek.

The Matanuska River is listed as a Category 5 waterbody due to a nearby landfill but no TMDL is listed.

Integrated Water Quality Reports can be found at: <https://dec.alaska.gov/water/water-quality/integrated-report/>

### 7.1 Identify Receiving Waters (5.3.3.3)

Description of receiving waters: Little Susitna Creek, Willow Creek, Little Willow Creek, Kashwitna River, Granite Creek, Matanuska River, Caribou Creek, Knik River, Answer Creek, Fish Lake, Birch Creek.

Outstanding Natural Resource Waters (2.1.6):

The Alaska Department of Environmental Conservation (ADEC) must be consulted, at least 30 days prior to construction activities, when determining requirements for water quality analysis on all projects that meet the following:

- Will or may discharge storm water to a Tier 3 water body, also known as Outstanding Natural Resource Waters (ONRW).

No ONRW are designated in Alaska as of the date of this document.

Description of storm sewer and/or drainage systems: None

Other: None

### 7.2 Identify TMDLs (5.6.1)

Is an EPA-established or approved TMDL published for the receiving water(s) listed in Section 7.1?

Yes  No

TMDL: None

Summary of consultation with state or federal TMDL authorities (5.6.2): None

Measures taken to ensure compliance with TMDL (5.6.3): None

Are there impaired receiving waters listed in Section 7.1 without an approved TMDL?  Yes  No

## 8.0 DOCUMENTATION OF PERMIT ELIGIBILITY RELATED TO ENDANGERED SPECIES (3.3, 5.7)

### 8.1 Information on Endangered or Threatened Species or Critical Habitat (5.7.1)

Are endangered or threatened species and critical habitats on or near the project area?

Yes  No

Describe how this determination was made: Documented in the project environmental document.

Will species or habitat be adversely affected by storm water discharge?

Yes  No

Provide summary of necessary measures (5.7.5):

## 9.0 APPLICABLE FEDERAL, STATE, TRIBAL, OR LOCAL REQUIREMENTS (4.10, 4.15)

The project will comply with all applicable Federal, State, Local, and Tribal requirements for soil erosion control and storm water management.

The contractor will be responsible for obtaining all necessary permits and clearances for material and disposal sites, and/or equipment storage areas in accordance with the ACGP for Storm Water Discharges from Construction Activities.

### 9.1 Historic Properties

SHPO consultation was completed on: January 10, 2020

Are there any historic sites on or near the construction site?

Yes  No

Describe how this determination was made: DOT environmental staff consulted with the Matanuska-Susitna Borough, Municipality of Anchorage, Chickaloon Village Tribe, Native Village of Eklutna, Knik Tribe, Eklutna Inc., Knikatnu Inc., CIRI, and the Talkeetna Historical Society.

If cultural or paleontological resources are discovered after the initial commencement of construction activities, work that would disturb such resources is to be stopped, and the Office of History and Archaeology, a Division of Parks and Outdoor Recreation of the Alaska Department of Natural Resources (<http://dnr.alaska.gov/parks/oha/>), is to be notified immediately at (907) 269-8721.

It is the Contractor's responsibility, thru the Project Engineer, to get clearance for material and disposal sites that have not been assessed during the Design phase of the project.

### 9.2 Projects near Public Water System (PWS) (4.10)

The project boundary intersects four Public Water System (PWS) Drinking Water Protection Area(s) (DPWA) and no Provisional Protection Area(s), and will have to follow the requirements of the 2016 ACGP

Part 4.10. The PWS contact will need to be notified by whatever method is most expedient: email, phone, or post (4.10.1). This should be done by the DOT&PF Project Engineer on behalf of both parties.

The intersecting DWPA's and Provisional Protect Areas ID numbers (PWSID) with contact information are:

Water System Name	PWSID	Contact Name	Phone #	Address	Email
Glacier View Bible Church	AK2220140	Lee, Sandy	907-745-4514	21200 W. Lee Dr., Sutton, AK-99674	<a href="mailto:slee370@gmail.com">slee370@gmail.com</a>
First Baptist Church of Willow	AK2220073	Worthey, Charles	907-354-1853	PO Box 145, Willow, AK-99688	<a href="mailto:chasw@gci.net">chasw@gci.net</a>
Townsite Foodmart	AK2225458	Borgman, Nancy	907-376-3407	189 E. Nelson Avenue Box 242, Wasilla, AK-99654	<a href="mailto:fishhookfoodmart@hotmail.com">fishhookfoodmart@hotmail.com</a>
Willow Creek Resort	AK2224955	Dean, Farley	907-495-6343	PO Box 85, Willow, AK-99688	<a href="mailto:farleyak@yahoo.com">farleyak@yahoo.com</a>

The water system name, number, name of contact, and all methods of contact can be found at: <http://dec.alaska.gov/eh/dw/dwp/protection-areas-map.aspx>

If the project is near a PWS, add language that addresses the following items:

1. Within the identified DWPA, restrict project activities that could significantly change the natural surface water drainage or groundwater gradient (4.10.2).
2. Immediately notify the nearby PWS of any identified potential contamination, such as spills or excess erosion (4.10.3).

Record the time, date, and method of contact and enter into the SWPPP in Appendix Q. Either a copy of the email, or a formal memo stating the date of phone call, or a receipt from certified mail will fulfill this obligation.

### General Principles for Erosion and Sediment Controls.

The contractor must design, install, and maintain effective erosion and sediment controls to minimize the discharge of pollutants. At a minimum, such controls must be designed, installed, and maintained to:

- Control storm water volume and velocity to minimize soil erosion and pollutant discharges;
- Control storm water discharges, including both peak flowrates and total storm water volume, to minimize channel and streambank erosion and scour in the immediate vicinity of discharge points;
- Minimize the amount of soil exposed during construction activity;
- Minimize the disturbance of steep slopes;
- Minimize sediment discharges from the site. The design, installation, and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity, 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;
- Provide and maintain natural buffers around waters of the U.S., direct storm water to vegetated areas and maximize storm water infiltration to reduce pollutant discharges, unless infeasible;
- Minimize soil compaction. Minimizing soil compaction is not required where the intended function of a specific area of the site dictates it to be compacted.
- Unless infeasible, preserve topsoil. Preserving topsoil is not required where the intended function of a specific area of the site dictates that the topsoil be disturbed or removed.

### Additional Erosion and Sediment Controls Selection and Design Considerations:

Preventing storm water from coming into contact with polluting materials is generally more effective, and less costly, than removing pollutants from storm water;

Using a combination of control measures is more effective than using control measures in isolation for minimizing pollutants in the storm water discharge;

Using technologically available, economically practicable, and achievable methods in light of best industry practices;

Assessing the type and quantity of pollutants, including their potential to impact receiving water quality, is critical to designing effective control measures that will achieve the limits in this permit;

Minimizing impervious areas at the permittees facility and infiltrating runoff onsite (including bioretention cells, green roofs, and pervious pavement, among other approaches) can reduce runoff and improve groundwater recharge and stream base flows in local streams, although care must be taken to avoid ground water contamination;

Dissipate storm water runoff into open vegetated swales and natural depressions to reduce in stream impacts of erosive flows;

Conserving and/or restoring of riparian buffers will help protect streams from storm water runoff and improve water quality; and

Using treatment interceptors (e.g., sand filters) may be appropriate in some instances to minimize the discharge of pollutants.

Describe the Best Management Practices (BMPs) to be implemented to control pollutants in storm water discharges. For each major activity identified:

- Clearly describe appropriate control measures.
- Describe the general sequence during the construction process in which the measures will be implemented.
- Describe maintenance and inspection procedures to be undertaken for that specific BMP.
- Include protocols, thresholds, and schedules for cleaning, repairing, and/or replacing damaged or failing BMPs.
- Identify staff responsible for maintaining BMPs. (If your SWPPP is shared by multiple operators, indicate the operator responsible for each BMP.)

Categorize each BMP under one of the following areas of BMP activity as described below:

1. *Minimize the Amount of Soil Exposed during Construction Activity (4.2.2) & Site Delineation (4.2.1)*
  2. *Maintain Natural Buffer Areas (4.2.3) & Clearing Vegetation (4.2.4)*
  3. *Control Storm Water Discharges and Flow Rates (4.2.5)*
  4. *Protect Steep Slopes (4.2.6)*
  5. *Storm Water Inlet Protection (4.3.1)*
  6. *Water Body Protection (4.3.2)*
  7. *Down-Slope Sediment Controls (4.3.3)*
  8. *Stabilized Construction Vehicle Access and Exit Points (4.3.4)*
  9. *Dust Generation and Track-Out from vehicles (4.3.5)*
  10. *Soil Stockpiles (4.3.6)*
  11. *Sediment Basins (4.3.8)*
  12. *Dewatering (4.4)*
  13. *Soil Stabilization (4.5)*
  14. *Treatment Chemicals / Active Treatment Systems (4.6)*
  15. *Good Housekeeping Measures (4.8)*
  16. *Spill Notification (4.9)*
  17. *Construction and Waste Materials (5.3.7)*
  18. *Permanent/Post-Construction BMPs (4.11)*
  19. *Projects near a Public Water System (PWS) (4.10)*
- Note the location of each BMP on your site map(s).
  - Any structural BMPs should have design specifications and details referred to in Section 11 or included in Appendix B.

For more information or ideas on BMPs, see the ADEC *Alaska Storm Water Guide*:

<https://dec.alaska.gov/water/wastewater/stormwater/guidance/> & for a list of Alaska specific BMPs look at the DOT&PF *Alaska SWPPP Guide's* Appendix B - BMP Guide for Erosion & Sediment Control at [http://www.dot.state.ak.us/stwddes/desenviron/assets/pdf/bmp/bmp\\_all.pdf](http://www.dot.state.ak.us/stwddes/desenviron/assets/pdf/bmp/bmp_all.pdf)

## 10.0 CONTROL MEASURES/BEST MANAGEMENT PRACTICES (4.0; 5.3.6)

Much of the guidance in this section is for both the ESCP & SWPPP preparers. Carefully read through the requirements listed below when filling out Section 10. When developing this section, think about how they are going to construct the project. Look at means and measures but do not direct the contractor...merely suggest. Consider 'prior to/upon construction' methods (i.e. upon placing culvert install a fiber roll and outlet protection). The following sections describe BMPs that will or may be used as necessary to prevent erosion and control sediment.

The selection, design, installation, maintenance, and removal of control measures must be in accordance with good engineering practices, manufacturer specifications, and address site-specific conditions such as precipitation, site topography, soil characteristics, and growing season.

The plan preparer will use this section to describe the types and locations of control measures and BMPs to be installed and maintained in accordance with ACGP Part 4.0.

Describe each control measure and BMP, including installation schedule and maintenance, inspection, and removal requirements. You may include a brief description of each BMP in this section and refer to detailed installation, maintenance, inspection, removal requirements, and manufacturer's specifications that **MUST** be included in the Appendix B.

If a control measure or BMP will be used to comply with more than one element of this section, you do not need to repeat the detailed installation, maintenance, inspection, removal requirements, and manufacturer's information. For each repeated element, identify the control measure or BMP to be used, and refer to the section or Appendix B where the detailed information is presented.

The person(s) identified in Section 2.0 of this SWPPP will be responsible for ensuring compliance with the installation, maintenance, inspection, and removal of these control measures.

The format to be used to describe is:

**BMP Description:**

Describe purpose, applicability, limitations and design. If using a BMP manual or publication, this information may be found there.

**BMP Manual/Publication:**

Provide the citation information as described below. If referencing Appendix B, where the BMP details are provided, ensure the attached sheets clearly identify this information.

**Installation Schedule:**

Identify the activity or phase prior to which the BMP will be installed or the activity that requires this BMP to be installed before it can begin.

**Maintenance and Inspection:**

Describe the thresholds and/or indicators for maintenance and protocols for inspecting the BMP. Describe the maintenance procedures. If using a BMP manual or publication, this information may be found there.

**Responsible Staff:**

Name the position and company who is responsible for installation and maintenance.

How to Cite a BMP Publication:

DOT&PF requires citations for the BMP manual or publication used to select and design the BMP, along with a description of the BMP. If no BMP manual or publication was used to select or design a given BMP then state "No BMP manual or publication was used in the design or selection of this BMP". BMP designs submitted by the contractor and approved by the Project Engineer may be used but still must state that no manual or publication was used.

BMP Manuals/Publications: BMP manuals describe each BMP and outline details such as installation, design parameters, applicability/limitations, maintenance, and targeted pollutants. To cite a manual, include the title, author (individual or agency) and date of publication.

Be careful when citing outside of the state control measures or BMPs. Read through them to make sure they do not put any additional restrictions that go beyond the ACGP. If citing outside of state BMPs, make sure to mark out any requirements that do not apply to this project or do not meet ACGP requirements and cite as 'modified from (insert BMP manual title).

DOT&PF Specifications and Plan Sheets: The publication cited may be the DOT&PF contract specifications and plan sheets provided that the minimum information regarding the BMP is included (those listed above).

When the plans and specifications are used, the reference must include the sheet or page number and these must be appended to the SWPPP. If the specifications and plan sheets do not provide the minimum information, the plan preparer must provide the missing information in the plan. Any drawing or description developed by the plan preparer must include the statement "No BMP manual or publication was used for this design."

Manufacturer's Specification Sheet: Referencing a manufacturer's specification sheet is suitable only if it includes all the necessary information listed in the above subsection. When using the manufacturer's specification sheet(s), provide the product name, manufacturer, and date of copyright, and attach copies of the specification sheet(s) to the plan. It may also be helpful to provide the manufacturer's website if the information was obtained online. You may deviate from manufacturer's specifications where you provide justification for such deviation and include documentation of your rationale in the ESCP/SWPPP.



## 10.1 Minimize Amount of Soil Exposed during Construction Activity (4.2.2)

Describe how the disturbed land areas (e.g., clearing and grading) and undisturbed land areas (e.g., trees, boundaries of sensitive areas, or buffers established by ACGP Part 4.2.3) will be delineated.

Describe the areas that will be disturbed for each phase of construction, and the methods you will use (e.g., signs, fences, etc.) to protect the areas that are to be left undisturbed. Construction activities must be phased to minimize the extent and duration of exposed soil.

Identify natural features and describe how each will be protected during construction activity.

Describe how topsoil will be preserved.

### 10.1.1 Site Delineation (4.2.1)

Prior to initiating land-disturbing activities, delineate the boundary of the area(s) designated to be disturbed by construction, using slope stakes, or an approved equivalent. Ensure non-disturbance areas are clearly marked using appropriate delineation measures.

**BMP Description:** *Site Delineation, BMP-54.00*

**BMP Manual/Publication:** *DOT&PF, Alaska SWPPP Guide, October 2016*

**Permanent**

**Temporary**

<b>Installation Schedule:</b>	<i>Prior to ground disturbing activities.</i>
<b>Maintenance and Inspection:</b>	<i>Repair site delineation measures as necessary.</i>
<b>Responsible Staff:</b>	<i>SWPPP Manager and/or Superintendent, Contractor</i>

## 10.2 Maintain Natural Buffer Areas (4.2.3)

Are stream crossings or waters of the U.S. located within or immediately adjacent to the property?

Yes       No

If YES, describe the control measures to be implemented to comply with the ACGP Part 4.2.3 (e.g., buffer areas, perimeter controls, etc.).

You must maintain natural buffer areas at stream crossings and around the edge of any waters of the U.S. that are located within or immediately adjacent to the construction activity in accordance with the following:

- The buffer must be a minimum of 25 feet wide, or the width as required by local ordinance, unless infeasible based on site dimensions;
- Exceptions are allowed for water dependent activities, specific water access activities, or necessary water crossings;
- A permittee should, to the extent practicable, use perimeter controls adjacent to buffers and direct storm water sheet flow to buffer areas to increase sediment removal and maximize storm water infiltration.

Prior to initiating land-disturbing activities, delineate the boundary of the area(s) designated to be disturbed by construction, using slope stakes, or an approved equivalent. Ensure non-disturbance areas are clearly marked using appropriate delineation measures.

**BMP Description:** *Site Delineation, BMP-38.00*

**BMP Manual/Publication:** *DOT&PF, Alaska SWPPP Guide, October 2016*

**Permanent**

**Temporary**

<b>Installation Schedule:</b>	<i>Delineate undisturbed natural areas of vegetation prior to commencement of clearing and grubbing operations or other soil disturbing activities.</i>
<b>Maintenance and Inspection:</b>	<i>Repair or replace site delineation measures as necessary to maintain the project's work limits, until construction activities are complete.</i>
<b>Responsible Staff:</b>	<i>SWPPP Manager and/or Superintendent, Contractor</i>

### 10.2.1 Clearing Vegetation (4.2.4)

Clearing of vegetation that disturbs the vegetative mat and exposes soil is **prohibited** prior to obtaining authorization under the ACGP.

Cutting of trees and brush while the ground is frozen without disturbing the vegetative mat for the purpose of clearing in accordance with the U.S. Fish & Wildlife Service "Recommended Time Periods for Avoiding Vegetation Clearing" is allowed prior to the submittal of a project's NOI. If vegetation clearing that disturbs the vegetative mat and occurs after the onset of spring thaw (as defined in Appendix C) or conditions that consist of above freezing temperatures that cause melting of snow, the permittee must develop a SWPPP and file an NOI. Operators must receive authorization under this permit and otherwise comply with the terms of this permit prior to such clearing.

### 10.3 Control Storm Water Discharges and Flow Rates (4.2.5)

Describe control measures to comply with the ACGP (e.g., divert storm water around the site, slow down or contain storm water, use of velocity dissipation devices, installing permanent storm water management controls prior to construction of site improvements to the extent practicable, etc.). Storm water that may concentrate must be slowed down or contained.

#### 10.3.1 Protect Steep Slopes (4.2.6)

Will steep slopes be present at the site during construction?

Yes

No

If YES, describe control measures to be implemented to comply with ACGP Part 4.2.6 (e.g., reduce continuous slope length, divert storm water around slopes, stabilized exposed areas, etc.).

---

**BMP Description:** Fiber Rolls for Erosion Control BMP-10.01.a

---

**BMP Manual/Publication:** DOT&PF, Alaska SWPPP Guide, July 2018

---

Permanent

Temporary

<b>Installation Schedule:</b>	Installed prior to soil disturbance in the contributing drainage area.
<b>Maintenance and Inspection:</b>	<p><u>Inspection:</u> Look for roll ends remain abutted tightly. Ensure that the rolls are in contact with the soil and are entrenched. Look for scouring underneath the rolls.</p> <p><u>Maintenance:</u> If rolls are crushed, torn, slumping, or split, the damaged sections must be replaced. Remove sediment accumulated upslope of the roll when it reaches one-half the distance between the top of the fiber roll and the ground surface.</p>
<b>Responsible Staff:</b>	SWPPP Manager & Superintendent, Contractor

Sediment Controls:

Sediment control measures (e.g. sediment ponds, traps, filters, etc.) must be constructed as one of the first steps in grading. These control measures must be functional before other land disturbing activities take place.

#### 10.4 Storm Water Inlet Protection Measures (4.3.1)

Describe control measures (e.g., filter berms, perimeter controls, temporary diversion dikes, etc.) to be implemented to protect all inlets receiving storm water from the project during the duration of the project.

#### 10.5 Water Body Protection Measures (4.3.2)

Describe control measures selected to minimize discharge of sediment prior to entry into water bodies located on or immediately downstream of the site.

Install water body protection measures prior to ground disturbing activities.

---

**BMP Description:** Temporary Check Dam, BMP-31.00 – 33.00

---

**BMP Manual/Publication:** DOT&PF, Alaska SWPPP Guide, October 2016

---

Permanent

Temporary

<b>Installation Schedule:</b>	Install check dams as soon as drainage routes are established.
<b>Maintenance and Inspection:</b>	<p><u>Inspection:</u> Visually compare upstream and downstream flows to determine turbidity levels. Inspect banks for evidence of erosion. Ensure center is lower than the edges and water is not running around the ends.</p> <p><u>Maintenance:</u> Repair bank undercuts or flow around edges. Remove sediment before it reaches half the height of the dam or one-third of the available storage.</p>
<b>Responsible Staff:</b>	SWPPP Manager & Superintendent, Contractor

**BMP Description:** Culvert Inlet Protection BMP-08.00

**BMP Manual/Publication:** DOT&PF, Alaska SWPPP Guide, October 2016

Permanent  Temporary

<b>Installation Schedule:</b>	<i>Immediately when culvert is installed, bedded, and backfilled. All culvert inlet protection will be installed within 24 hours of culvert placement.</i>
<b>Maintenance and Inspection:</b>	<i><u>Inspection:</u> Look for roll ends remain abutted tightly. Ensure that the rolls are in contact with the soil and are entrenched. Look for scouring underneath the rolls. <u>Maintenance:</u> Remove accumulated sediment before it reaches 1/3 of the design depth. Repair any structural damage and restore structure to original dimensions and is in full contact with soil around the inlet.</i>
<b>Responsible Staff:</b>	<i>SWPPP Manager &amp; Superintendent, Contractor</i>

### 10.6 Down-Slope Sediment Controls (4.3.3)

Describe sediment controls (e.g., silt fence or temporary diversion dike) for any portion of the down-slope and side-slope perimeter where storm water will be discharged from disturbed areas of the site.

Fibers rolls will be used as a down-slope sediment control. See Section 10.3.1 Protect Steep Slopes for the BMP description, installation, maintenance, and inspection information.

### 10.7 Stabilized Construction Vehicle Access and Exit Points (4.3.4)

Vehicle access points must be limited as much as possible and must be stabilized.

Describe location(s) of vehicle entrance(s) and exit(s), procedures to remove accumulated sediment off-site (i.e., vehicle tracking), and stabilization practices (i.e., stone pads and/or wash racks) to minimize off-site vehicle tracking of sediments and discharges to storm water.

Any rubber tire operating on bare soils will require a stabilized entrance / exit prior to driving on paved surfaces. Tracked equipment must be cleaned prior to operating on paved surfaces. The existing gravel surfaces will be used for the stabilized access and exit points.

**BMP Description:** Stabilized Construction Exit, BMP 23.00 & 24.00

**BMP Manual/Publication:** DOT&PF, Alaska SWPPP Guide, October 2016

Permanent  Temporary

<b>Installation Schedule:</b>	<i>Install prior to earth disturbing activities.</i>
<b>Maintenance and Inspection:</b>	<i><u>Inspection:</u> Inspect for sediment accumulation and material displacement. Inspect roadway for sediment track-out. Inspect ditches to ensure no sediment accumulation. <u>Maintenance:</u> Repair and/or clean out sediment retention structures. Remove all sediment deposited on paved roadways.</i>
<b>Responsible Staff:</b>	<i>SWPPP Manager &amp; Superintendent, Contractor</i>

## 10.8 Dust Generation and Track-Out from Vehicles (4.3.5)

Describe control measures to minimize the generation of dust and off-site vehicle tracking of sediment. Dust must be minimized prior to the vehicle exits by application of water or other dust suppression techniques.

The contractor will be required to remove any debris including soil and rock from the roadway. Any material tracked will be swept up daily.

**BMP Description:** *Street Sweeping and Vacuuming for Sediment Control, BMP 55.00*

**BMP Manual/Publication:** *DOT&PF, Alaska SWPPP Guide, October 2016*

Permanent  Temporary

<b>Installation Schedule:</b>	<i>Prior to earth disturbing activities.</i>
<b>Maintenance and Inspection:</b>	<i>Inspection: Inspect for sediment track-out on paved roads. Maintenance: Sweep sediment off paved roads.</i>
<b>Responsible Staff:</b>	<i>SWPPP Manager &amp; Superintendent, Contractor</i>

## 10.9 Soil Stockpiles (4.3.6)

Will soil stockpiles be at the site during construction?  Yes  No

If YES, describe control measures intended to control sediment loss from the stockpiles (e.g., tarps or perimeter straw wattles). Show location(s) of stockpile(s) on site maps, if known. Stockpiles must be stabilized or covered, protected with sediment controls and located away from storm water inlets, conveyance channels, or water bodies, if possible.

**BMP Description:** *Plastic Covering BMP-12.00*

**BMP Manual/Publication:** *DOT&PF, Alaska SWPPP Guide, October 2016*

Permanent  Temporary

<b>Installation Schedule:</b>	<i>Plastic covering will be installed when the stockpile will not be actively worked on more than 14 days or when there are windy conditions. Plastic covering will be secured either by weighted or trenched method.</i>
<b>Maintenance and Inspection:</b>	<i>Inspection: Look for unsecured covering or locations of erosion under the covering. Maintenance: Re-secure covering.</i>
<b>Responsible Staff:</b>	<i>SWPPP Manager &amp; Superintendent, Contractor</i>

## 10.10 Sediment Basins (4.3.8)

Refer to ACGP Part 4.3.8 to determine if a sediment basin is required for your site.

Will a sediment basin be required during construction?  Yes  No

If YES, provide a brief description of the sediment basin here. Append detailed design information in appendices (e.g., calculated volume of runoff from a two-year, 24-hour storm, or other assumptions used to calculate appropriate sediment-basin size). Show location of sediment basin(s) on site maps.

## 10.11 Dewatering (4.4)

Describe dewatering practices to be implemented if water must be removed from an area so construction activity can continue.

Will dewatering be conducted during construction?  Yes  No

Will excavation dewatering be conducted within 1,500 feet of an ADEC mapped contaminated site found on the ADEC website?  Yes  No

For ADEC's contaminated sites:

<http://www.arcgis.com/home/item.html?id=315240bf84aa0b8272ad1cef3cad3>.

If yes to above question, review and comply with the ADEC General Permit for Excavation Dewatering (AKG002000 - <https://dec.alaska.gov/water/wastewater/stormwater/dewater-hydrostatic/#dewater>), or most current version, for specific requirements.

Describe control measures to be implemented to comply with dewatering discharges authorized either under the ACGP or the ADEC General Permit for Excavation Dewatering requirements.

**BMP Description:** Pumped Stream Diversion, BMP 15.00

**BMP Manual/Publication:** DOT&PF, Alaska SWPPP Guide, October 2016

Permanent

Temporary

<b>Installation Schedule:</b>	Coordinate with ADF&G. Install sump, intake hose, upstream and downstream dams, and downstream energy dissipater.
<b>Maintenance and Inspection:</b>	<i>Inspection:</i> Inspect pumping, intakes, and outlets. Inspect upstream and downstream dams for overtopping. Inspect outlet for erosion. <i>Maintenance:</i> Reinforce or restore any portion of the dams, conveyance structure, or energy dissipater.
<b>Responsible Staff:</b>	SWPPP Manager & Superintendent, Contractor

## 10.12 Permanent/Post-Construction BMPs (4.11)

Describe any permanent/post-construction control measures that will be installed during the construction process AND have not been discussed elsewhere in this document.

Examples of these measures are:

Biofilters

Detention/Retention Devices

Earth Dikes, Drainage Swales, and Lined Ditches

Infiltration Basins

Vegetated Strips and/or Swales

### 10.12.1 Soil Stabilization (4.5, 5.3.6.3)

The project must stabilize all disturbed areas of the site to minimize on-site erosion and sedimentation and the resulting discharge of pollutants.

Soil stabilization requirements vary depending on the mean annual precipitation for the site. Refer to ACGP Part 4.5 for specific requirements.

Refer to the Alaska Plant Materials Center's Alaska Coastal Revegetation & Erosion Control Guide and Interior Alaska Revegetation & Erosion Control Guide at <http://plants.alaska.gov> for help in selecting appropriate seed mixes and information on methods for revegetation.

Describe permanent & temporary stabilization control measures and sequence of installation.

Describe how the site will be stabilized prior to seasonal freeze-up.

### **10.13 Treatment Chemicals (4.6; 5.3.6.4)**

The use of treatment chemicals to reduce erosion from the land or sediment in a storm water discharge is allowed provided all the requirements of ACGP Part 4.6 are met.

Will treatment chemicals be used to control erosion and/or sediment during construction?

Yes       No

If YES, comply with ACGP Part 4.6 and complete the following subsections. If NO, delete the following subsections.

#### **10.13.1 Treatment Chemicals (4.6.1)**

Describe what chemicals will be used, including information required by ACGP Part 4.6.1.

#### **10.13.2 Treatment Chemical Use Procedures (4.6.2)**

Describe training for employees using treatment chemicals at the site. Document this training in either appendix for Employee Qualifications or Training Records.

#### **10.13.3 Application of Treatment Chemicals (4.6.3)**

The application of treatment chemicals shall be in combination with appropriate physical control measures to ensure effectiveness of treatment chemical.

Briefly describe treatment chemical application procedures to be used. Append detailed treatment chemical application procedures Appendix P.

### **10.14 Active Treatment System Information (4.6.3.3)**

A permittee who uses an Active Treatment System (ATS) as a control measure must submit information required by the ADEC for review at least 14 days prior to start of operation of the ATS at the project. Specific submittal requirements can be found at 4.6.3.

Will an ATS be used as a control measure at the site?  Yes     No

If YES, briefly describe the ATS process below and submit information required by ACGP Part 4.6.3.3 to the ADEC.

## 10.15 Good Housekeeping Measures (4.8)

The project must design, install, implement, and maintain effective good housekeeping measures to prevent and/or minimize the discharge of pollutants. The project must include appropriate measures for any of the following activities at the site.

Consult the ADEC Storm Water Guide or other resources for more information or ideas on BMPs. See also the EPA's National Menu of BMPs at <http://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater-documents> & for a list of Alaska specific BMPs look at the *Alaska SWPPP Guide's* Appendix B - BMP Guide for Erosion & Sediment Control at [http://www.dot.state.ak.us/stwddes/desenviron/assets/pdf/bmp/bmp\\_all.pdf](http://www.dot.state.ak.us/stwddes/desenviron/assets/pdf/bmp/bmp_all.pdf)

### 10.15.1 Washing of Equipment and Vehicles (4.8.1)

Will equipment and vehicle washing and/or wheel wash-down be conducted at the site?

Yes  No

If YES, describe the control measures to be implemented to comply with ACGP Part 4.8.1.

### 10.15.2 Fueling and Maintenance Areas (4.8.2)

Describe equipment/vehicle fueling and maintenance practices to be implemented to control pollutants to storm water (e.g., secondary containment, drip pans, spill kits, etc.).

Describe spill prevention and control measures to be implemented, including ways to reduce the chance of spills, stop the source of spills, contain and clean up spills, dispose of materials contaminated by spills, and train personnel responsible for spill prevention and control.

Will equipment and vehicle fueling or maintenance be conducted at the site?

Yes  No

The contractor's lay down yards, fueling and maintenance areas must be delineated on the contractor's SWPPP site map. Spill kits appropriate to respond to the hazards on site will be required. Inspections will include the contractor's fueling, maintenance, and laydown areas. Equipment will be maintained to prevent oils and grease from discharging with storm water. Prior to use each day, equipment operators are required to do a visual inspection for leaks, drips, and excess grease. If leaks cannot be repaired and stopped, the equipment will be placed out of service over drip pans and/or pads to collect any fluids or grease and prevent pollution discharge. Topping off fluids will not be allowed in lieu of maintenance. Equipment operators will look for excess grease accumulations, especially when the weather warms up, removing and properly disposing of excess grease to prevent discharge.

HMCP or SPCC: For the specific sections in the Good Housekeeping BMPs that deal with fueling and oiling, equipment care and maintenance, waste materials, etc., it should be mentioned, by referencing the specific page and section, this requirement for BMP reference and citation is met. Also, it will/can create less conflict within the SWPPP due to the HMCP being project specific and the BMP citations more generic.



### 10.15.3 Washout of Applicators/Containers Used for Paint, Concrete, and Other Materials (4.8.4)

Describe location(s) and controls to minimize the potential for storm water pollution from washout areas for concrete mixers, paint, stucco, etc.

Will washout areas for trucks, applicators, or containers of concrete, paint, or other materials be used at the site?  Yes  No

If YES, describe control measures to be implemented to comply with ACGP Part 4.8.4. If NO, delete the following paragraph.

The contractor will provide a designated concrete washout area. The washout area may be moved during the construction process but the location must be kept current on the site map. Concrete wash water may not be discharged with storm water. The washout must have sufficient capacity for the scheduled activities.

**BMP Description:** Concrete Washout

**BMP Manual/Publication:** DOT&PF, Alaska SWPPP Guide, October 2016

<b>Installation Schedule:</b>	Install signs within 30' of washout. Provide sufficient capacity for solids and wash water with 12" freeboard.
<b>Maintenance and Inspection:</b>	<i>Inspection:</i> Ensure BMPs are in place prior to concrete work. Determine if washout is filled to 50 percent capacity. Check for leaks. Ensure washout is being used by concrete suppliers. <i>Maintenance:</i> Clean out washout before 50 percent full. Repair damaged portions. Replace or install new signs as necessary.
<b>Responsible Staff:</b>	SWPPP Manager & Superintendent, Contractor

### 10.15.4 Fertilizer or Pesticide Use (4.8.5)

Describe fertilizers and/or pesticides expected to be used and/or stored on-site and procedures for storage of materials to minimize exposure of the materials to storm water.

Will fertilizers or pesticides be used at the site?  Yes  No

If YES, describe control measures to be implemented to comply with ACGP Part 4.8.5.

Contractors will obtain authorization to spray pesticides through DOT&PF M&O utilizing the DOT&PF Integrated Vegetation Management Plan (IVMP). A permit from ADEC is only required (in addition to IVMP authorization obtained via working through the regional M&O environmental analysts and a TCP from ROW) if the contractor is applying pesticide to a water body/aquatic site. Also, if spraying within the MOA, a local permit must be obtained from the MOA as well. For more information and contacts, visit <http://dot.alaska.gov/stwdmno/ivmp/index.shtml>.

### 10.16 Spill Notification (4.9)

The contractor shall describe spill-notification procedures, including relevant federal, state, tribal, and local agency contact information, to be implemented in the event of a leak, spill, or release of hazardous substances or oil that occur at the construction site. Refer to ACGP Part 4.9 for permit requirements.

Contractor shall use DOT&PF Hazardous Material Control Plan template at [http://www.dot.state.ak.us/stwddes/dcsconst/assets/docs/constforms/hmcp\\_template.doc](http://www.dot.state.ak.us/stwddes/dcsconst/assets/docs/constforms/hmcp_template.doc) to create project specific plan. Include final plan as approved by DOT&PF in Appendix O.

### 10.17 Construction and Waste Materials (4.8.6, 5.3.7)

Describe in general terms the type of construction and waste materials expected to be stored at the site, with updates as appropriate, and describe the measures for handling and disposal of all wastes generated at the site, including clearing and demolition debris or other waste soils removed from the site, construction and domestic waste, hazardous or toxic waste, and sanitary waste. Refer also to ACGP Parts 4.8.3 Staging and Material Storage Areas, and 4.8.6 Storage, Handling, and Disposal of Construction Waste.

Building materials and other construction site wastes must be properly managed and disposed of to reduce the risk of pollution from materials such as surplus or refuse building materials or hazardous wastes. Practices such as trash disposal, recycling, proper material handling, and spill prevention and cleanup measures can reduce the potential for storm water runoff to mobilize construction site wastes and contaminate surface or groundwater.

The contractor must establish proper building and material storage areas to avoid pollutants coming in contact with rainfall or flowing storm water. Any materials that have the potential to pollute storm water will be covered to prevent rainfall from coming into contact with them. Garbage containers will be covered to prevent debris from blowing away as well. Any contractor supplied staging area must be included in inspections and the SWPPP. No materials will be staged or stored, even temporarily in flowing water.

The contractor should designate a waste collection area on site that does not receive substantial amount of runoff from upland areas and does not drain directly to a water body.

#### Construction Materials

#### Waste Materials

<b><i>BMP Description:</i></b> General Construction Site Waste Management	
<b><i>BMP Manual/Publication:</i></b> ADEC Alaska Storm Water Guide, December 2011	
<b><i>Installation Schedule:</i></b>	Continuously during construction activities
<b><i>Maintenance and Inspection:</i></b>	<b><i>Inspection:</i></b> Inspect storage and use areas and identify containers or equipment that could malfunction and cause leaks or spills. Check equipment and containers for leaks, corrosion, support or foundation failure, or other signs of deterioration, and test them for soundness. <b><i>Maintenance:</i></b> Immediately repair or replace any that are found to be defective.
<b><i>Responsible Staff:</i></b>	SWPPP Manager & Superintendent, Contractor

## 11.0 INSPECTIONS (5.4; 6.0)

Minimum requirements for the locations and scope of site inspections are described in the ACGP Part 6.4.

Inspection requirements for linear projects are described in the ACGP Part 6.5.

Describe the frequency inspections will occur at your site, including any correlations to storm frequency and intensity.

Note that inspection details for particular BMPs should be included in Section 11 or Appendix B.

### 11.1 Inspection Schedules (5.4.1.2; 6.1; 6.2)

Refer to ACGP Part 6.1 for inspection frequency requirements.

Required inspection frequency is based on mean annual precipitation for the site. Refer to Section 3.2 for annual precipitation data and can be found in the project specifications.

A permittee must allow an authorized representative of ADEC, EPA or the MS4 operator to conduct a site inspection in accordance with the ACGP Part 6.6.

NEW: Inspection Frequency:

The inspection frequency in Central Region will now be once every seven calendar days.

Inspection frequency: Once every seven calendar days

Justification for reduction in inspection frequency, if applicable: N/A

As defined by the ACGP, winter shutdown means the cessation of soil disturbing or soil stabilizing construction activity for winter. Typically this period is from October/November to April/May and is approximately from Fall Freeze-up to Spring Thaw.

ACGP Definition of Fall Freeze-up: For the purposes of this permit, means for planning purposes in the development of the SWPPP and initial planning of control measure maintenance the date in the fall that air temperatures will be predominately below freezing. It is the date in the fall that has an 80% probability that a minimum temperature below a threshold of 32.5 degrees Fahrenheit will occur on or after the given date.

ACGP Definition of Spring Thaw: For the purposes of this permit, means for planning purposes in the development of the SWPPP and initial planning of control measure maintenance the date in the spring that air temperatures will be predominately above freezing. It is the date in the spring that has a 20% probability that a minimum temperature below a threshold of 32.5 degrees Fahrenheit will occur on or after the given date.

These dates can be found by looking up the "Fall 'Freeze' Probabilities" & "Spring 'Thaw' Probability" for the weather station closest to the site on the website: [www.wrcc.dri.edu/summary/Climsmak.html](http://www.wrcc.dri.edu/summary/Climsmak.html). NOTE: this estimation of "Fall Freeze-up" & "Spring 'Thaw'" is for planning purposes only. During construction the permittee will need to maintain control measures based on actual conditions.

Estimated date of winter shutdown: N/A, single construction season.

The inspections will be conducted jointly with Department personnel as directed by the Project Engineer. The schedule for site inspections will be established and updated daily as necessary to meet the requirements of the ACGP and provide the department with notice and opportunity to participate in the site inspection.

## 11.2 Inspection Form or Checklist (5.4.1.3; 6.7)

Contractor is required to attach Form 25D-100 in Appendix K. An Inspection Report will be completed after each inspection, identifying BMPs installed at the time of inspection, noting corrective actions required, and documenting complete-by-date for any actions discovered during the inspection. Each report will be certified by the Contractor's Superintendent and DOT&PF's Project Engineer.

## 11.3 Corrective Action Procedures (5.4.1.4; 8.0)

Identify how conditions found that require corrective action will be addressed:
---

The following guidelines apply for setting corrective action complete-by dates as required by the ACGP:

For conditions that are easily remedied (i.e., removal of tracked sediment, maintenance of control measures, or spill clean-up), the permittee must initiate appropriate steps to correct the problem within twenty-four hours from the time of discovery and correct the problem as soon as possible; or

If installation of a new control measure is needed or an existing control measure requires significant redesign and reconstruction or replacement, the permittee must install the new or modified measure and make it operational within seven calendar days from the time of discovery of the need for the corrective action, unless infeasible.

If a discharge occurs during a local 2-year, 24-hour storm event, a corrective action must be initiated the day after the storm event ends as described in ACGP Part 8.1.1.

For corrective actions that could affect a subcontractor, notify the subcontractor within three calendar days of taking the corrective action.

Additionally, deadlines for completion of corrective actions shall be selected to protect water quality and prior to the next storm event unless impracticable.

### Corrective Action Log

The corrective action log will document the following within 24 hours of discovery of any conditions listed in ACGP Part 8.1 (use Form 25D-112 and include in Appendix J):

- Date the problem was identified
- Summary of corrective action taken or to be taken
- Notice of whether SWPPP modifications were required as a result of this discovery or corrective action
- Date corrective action completed and name of person completing the action

In the event there is a reason (outside of the project staff's control) that a corrective action cannot practicably be completed by the set complete-by date, DOT&PF will complete a Delayed Action Item Report (Form 25D-113). This form will set a new complete-by date and document the reason that the previous date could not be met.

## 11.4 Inspection Recordkeeping (5.4.2)

Records (including inspection reports, corrective action logs, delayed action item reports, grading and stabilization logs, amendment logs, staff tracking logs, rainfall logs, and training logs) will be maintained for a minimum period of at least three (3) years after the permit is terminated. A hard copy and electronic copy of the final SWPPP, including all appendices, will be transmitted to DOT&PF when the project's NOTs are filed.

## 12.0 MONITORING PLAN (IF APPLICABLE) (5.5; 7.0)

### 12.1 Determination of Need for Monitoring Plan

Is there an EPA-established or approved TMDL for Little Susitna River, Willow Creek, Little Willow Creek, Kashwitna River, Granite Creek, Caribou Creek, Knik River, Answer Creek, Fish Lake, Birch Creek.?

Yes       No

Is the receiving water listed as impaired for turbidity and/or sediment?  Yes       No

## 13.0 POST-AUTHORIZATION RECORDS (5.8)

### Copy of Permit Requirements (5.8.1)

The contractor's SWPPP must contain the following documents:

- copy of ACGP (5.8.1.1)
- copy of the signed and certified NOI form submitted to ADEC (5.8.1.2)
- upon receipt, a copy of letter from ADEC authorizing permit coverage, providing tracking number (5.8.1.3)

These documents must be included in Appendix F.

### 13.1 Additional Documentation Requirements (5.8.2)

The Grading and Stabilization Log, Form 25D-110 in Appendix G, will be filled out to satisfy the following ACGP requirements:

- Dates when grading activities occur (5.8.2.1.1)
- Description of grading activities and location (5.8.2.1.2)
- Dates when construction activities temporarily or permanently cease on a portion of the site (5.8.2.1.3)
- Dates when stabilization measures are initiated (5.8.2.1.4)
- Description of Stabilization Measure (5.8.2.1.5)
- Date of beginning and ending period for winter shutdown (5.8.2.2)

Other documents will be included as shown below:

- Copies of inspection reports (5.4.2; 5.8.2.3; insert in Appendix K).
- Copies of monitoring reports, if applicable (5.8.2.4; 5.5.2; 9.1; insert in Appendix H).
- Documentation in support of chemical-treatment processes (4.6; 5.8.2.6; insert in Appendix P).
- Documentation of maintenance and repairs of control measures (5.8.2.8; 8.1; 8.2; insert in Appendix J).
- Copy of ADEC Letter of Non-Objection (insert in Appendix D).

#### 13.1.1 Records of Employee Training (4.14; 5.8.2.7)

Training staff and subcontractors is an effective BMP. Document all training conducted for your staff, those with specific storm water responsibilities (e.g. installing, inspecting, and maintaining BMPs), and subcontractors. Use the Training Log (Form 25D-125) in Appendix I.

Describe Training Conducted:

---

General storm water and BMP awareness training for staff and subcontractors:

During safety meetings and schedule briefings, corrective actions from the previous period will be reviewed. The contractor is encouraged to discuss timing of activities and stabilization requirements. Records of the training topics, attendees, and length must be maintained in the contractor's SWPPP.

Detailed training for staff and subcontractors with specific storm water responsibilities:

Individual(s) Responsible for Training:

Documentation of training conducted shall be record on Form 25D-125 and included in Appendix I.

## 14.0 MAINTAINING AN UPDATED SWPPP (5.9)

This section does not need to be filled out but is a list of reminders for the applicant.

The permittee must modify the SWPPP, including site map(s), in response to any of the following:

- Whenever changes are made to construction plans, control measures, good housekeeping measures, monitoring plan (if applicable), or other activities at the site that are no longer accurately reflected in SWPPP (5.9.1.1);
- If inspections of site investigations by staff or by local, state, tribal, or federal officials determine SWPPP modifications are necessary for permit compliance (5.9.1.2); and
- To reflect any revisions to applicable federal, state, tribal, or local laws that affect control measures implemented at the construction site (5.9.1.3).

### 14.1 Log of SWPPP Modifications (5.9.2)

A permittee must keep a log showing dates, name of person authorizing the change, and a brief summary of changes for all significant SWPPP modifications (e.g., adding new control measures, changes in project design, or significant storm events that cause replacement of control measures). Use DOT&PF construction form 25D-114. **Amendments must be approved by an AK-CESCL or equivalently certified individual and be included in Appendix M. The Superintendent and the SWPPP Manager are the only persons authorized to amend the SWPPP and update the SWPPP Amendment Log. Amendments must be approved by the Project Engineer. This approval must be documented in the "PE's Initials column" by the Project Engineer.**

### 14.2 Deadlines for SWPPP Modifications (5.9.3)

Revisions to the SWPPP must be completed within seven days of the inspection that identified the need for a SWPPP modification or within seven days of substantial modifications to the construction plans or changes in site conditions.

## 15.0 ADDITIONAL SWPPP REQUIREMENTS (5.10)

### 15.1 Retention of SWPPP (5.10.1)

A copy of the SWPPP (including a copy of the permit), NOI, and acknowledgement letter from ADEC must be retained at the construction site.

### 15.2 Main Entrance Signage (5.10.2)

A sign or other notice must be posted conspicuously near the main entrance of the site. The sign or notice must include a copy of the completed NOI for both DOT&PF and the contractor.

### **15.3 Availability of SWPPP (5.10.3)**

The permittee must keep a current copy of the SWPPP at the site. The SWPPP must be made available to subcontractors, government and tribal agencies, and MS4 operators, upon request.

### **15.4 Signature and Certification (5.10.4)**

As co-permittees, the SWPPP is signed and certified by both the contractor and by DOT&PF. DOT&PF requires the use of its forms, instead of those provided as examples in the ADEC template. The contractor must complete the SWPPP Contractor Certification (Form 25D-111) once DOT&PF approves the SWPPP and include it in Appendix E. Either the contractor's corporate officer or their duly authorized representative can certify the SWPPP. If a duly authorized representative certifies, the Delegation of Signature Authority form must be included in Appendix E.

Upon approval, DOT&PF will provide the contractor with signed DOT&PF forms for the DOT&PF SWPPP Certification (Form 25D-109) and DOT&PF Delegation of Authority (Form 25D-107) for inclusion in Appendix E of the SWPPP.

**APPENDIX A**  
**SITE MAPS AND DRAWINGS**





---

**APPENDIX B**  
**BMP DETAILS**



---

**APPENDIX D**  
**SUPPORTING DOCUMENTATION**



---

**APPENDIX E**  
**PROJECT SPECIFIC ESCP DISCUSSIONS & COMMENTS**



---