

Appendix B. Alaska DOT&PF BMP Guide

The Alaska DOT&PF (Department) Best Management Practices (BMP) Guide for Erosion and Sediment Control is intended to assist in the selection of BMPs capable of contributing to the goal of stormwater management as required under the Alaska Department of Environmental Conservation (DEC) 2011 Alaska Construction General Permit (CGP) and the 2015 DOT&PF specification requirements. This guide is recommended to assist the following:

1. Erosion and sediment control plan (ESCP) preparers
2. Contractor Storm water pollution and prevention plan (SWPPP) preparers
3. Maintenance and operations (M&O) personnel

When these BMPs are used as part of an ESCP or SWPPP, it assists in compliance with the CGP, EPA water quality regulations, Alaska Pollutant Discharge Elimination System (APDES), and other project-specific permit requirements. The guide will be revised as new practices, laws, and technologies are developed. This is not a stormwater design guide for permanent structural measures although some practices are common to both. This guide provides a compilation of BMPs that have been found to work in all areas of Alaska when properly selected, designed, and installed. The description for each BMP is listed below. The BMPs described are not all-inclusive as there are many variations to these practices according to site-specific conditions. Consult with a design engineer for the appropriate uses for selected erosion control practices, and suggested symbol to be used to represent those BMPs when indicated on the plan sheets, ESCP, and SWPPP drawings.

- Selection considerations
- Design and materials
- Application and installation
- Inspection and maintenance
- Measurements
- Removal

Users of this guide are encouraged to utilize this as a BMP selection tool. The specific selection and application of BMPs is best handled by personnel trained in E&SC principals and fundamentals, which include the following:

- Design engineers
- State or regional hydraulics engineers
- Landscape architects
- Engineering assistants under the supervision of an engineer or architect
- Those with CPESC or CISEC certification
- Those with AK-CESCL certification