



**Alaska Department of Transportation and Public Facilities  
Construction General Permit  
Noncompliance Notification**

DEC Toll Free: 1(877) 569-4114 Fax: (907) 269-4604

**GENERAL INFORMATION**

<b>DOT&amp;PF Region:</b> Central	<b>Project Name:</b> Seward Highway, MP 75 to 90, Ingram Creek to Girdwood Road and Bridge Rehabilitation, Phase II & Portage Curve Multimodal Connector_ Project No. CFHWY00213	<b>Project Location:</b> Girdwood, AK
<b>DOT&amp;PF CGP Tracking Number:</b> AKR10GM40	<b>Contractor:</b> <b>Mass Excavation, Inc.</b>	<b>Contractor CGP Tracking Number:</b> <b>AKR10GM38</b>
<b>Person Reporting:</b> Joshua James	<b>Phone Numbers of Person Reporting:</b> (907) 269-0459	<b>Reported How? (e.g. by phone):</b> DEC WQ Hotline (907) 269-4114
<b>Date/Time Event was Noticed:</b> September 13, 2021 11:00 AM	<b>Date/Time Reported to DEC:</b> September 13, 2021 12:30 PM September 17, 2021 3:30 PM	<b>Name of DEC Staff Contacted:</b> <b>DEC WQ Hotline - Voicemail</b> <b>DEC WQ Hotline - Email</b>

**VERBAL NOTIFICATION MUST BE MADE TO DEC WITHIN 24 HOURS OF DISCOVERY OF NONCOMPLIANCE**

**INCIDENT DETAILS (attach additional sheets, lab reports, and photos as necessary)**

**Period of Noncompliance**

<b>Start Date/Time (exact):</b> September 13, 2021 11:00 AM	<b>End Date/Time (exact):</b> September 13, 2021 5:30 PM
--	--

If noncompliance has not been corrected, provide a statement regarding the anticipated time the noncompliance is expected to continue:

**Description of the noncompliance and its cause (be specific):** Turbid storm water and sediment from a stream bank exited the project limits at approximately Sta. 274+05 55' RT. Stormwater had been accumulating in an area between the construction fill and the silt fence perimeter controls. Accumulated storm water from an on-going event had cut a channel to the silt fence and ran along the embedded footing. The flowing water caused undercutting of the footing of the silt fence and discharged into Portage Creek No. 1. The discharge on September 13, 2021 was thought to be caused by the ongoing rain event. The rain fall in the preceding 72 hours was 4.10" of precipitation, and the 1yr-3day storm event is 4.32".

During the rain event, an informal inspection of the project site found 30-foot section of the silt fence perimeter control BMP on the south bank of Portage Creek No. 1 had collapsed. Upon further inspection, it was found that a pool of stormwater runoff between the fill and the silt fence increased and cut a channel in the tidal silt to the perimeter silt fence. The flowing water then undercut the installed footing of the silt fence and then led to a collapse of the installed BMP resulting in a discharged to the creek. The concentrated flow from the water caused rilling on the stream bank.

**Actions taken to reduce, eliminate, and prevent reoccurrence of noncompliance:** Two row of compost socks were installed about ten feet apart between the silt fence and the pond to control the runoff from the pond to act a both additional perimeter control, and a check dam to control water velocities. In-situ soils in this area are comprised mainly of fine grain, unconsolidated silt prone to rapid rilling and gullyng in the presence of concentrated flows during heavy rainfall.

Silt fence in this area will be reinstalled within the next 24 hours, and for the time being, we will prevent a reoccurrence of noncompliance by continually maintaining and repairing any BMP's or areas of concern. Existing sediment and perimeter control BMPs will be inspected and evaluated on their performance during the ongoing storm event and for the remainder of this project.

This area of the project will have the stream banks stabilized with a rip rap installation starting after October 15

when work can begin after fish habitat restrictions are lifted.

Pollutant: Sediment Laden Stormwater

Corrective Actions: The Contractor's SWPPP Manager was present during the discovery of this discharge and corrective actions were initiated within a few hour of discovery. Compost socks were installed in two rows, spaced approximately ten feet apart, behind the previously installed silt fence on the bank of the creek. The compost socks were also placed across the channel that lead to the discharge as check dams, to help control the water velocity and sediment.

The existing silt fence in this area will be repaired and maintained as needed for the ongoing storm event and beyond.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name:	Joshua Ian James, P.E.	Title:	Central Region ESC Advisor	Signature:		Date:	9/13/2021
-------	---------------------------	--------	-------------------------------	------------	--	-------	-----------

FORM MUST BE SENT TO DEC WITHIN FIVE DAYS OF BECOMING AWARE OF THE EVENT.

THIS REPORT HAS BEEN APPROVED BY ANDY DAVIDSON - MASS EXCAVATION, INC.'S SUPERINTENDENT - AND CONSENT WAS GIVEN TO J. JAMES TO REPORT THIS EVENT TO ADEC ON BEHALF OF MASS EXCAVATION, INC.



## Alaska Department of Transportation and Public Facilities Construction General Permit Noncompliance Notification

DEC Toll Free: 1(877) 569-4114 Fax: (907) 269-4604

### GENERAL INFORMATION

<b>DOT&amp;PF Region:</b> Central	<b>Project Name:</b> Seward Highway, MP 75 to 90, Ingram Creek to Girdwood Road and Bridge Rehabilitation, Phase II & Portage Curve Multimodal Connector Project No. CFHWY00213	<b>Project Location:</b> Girdwood, AK
<b>DOT&amp;PF CGP Tracking Number:</b> AKR10GM40	<b>Contractor:</b> Mass Excavation, Inc.	<b>Contractor CGP Tracking Number:</b> AKR10GM38
<b>Person Reporting:</b> Joshua James	<b>Phone Numbers of Person Reporting:</b> 907-269-0459	<b>Reported How? (e.g. by phone):</b> DEC WQ Hotline (907) 269-4114
<b>Date/Time Event was Noticed:</b> November 2, 2021 1:30 PM	<b>Date/Time Reported to DEC:</b> November 3, 2021 12:50 PM November 5, 2021 2:00 PM	<b>Name of DEC Staff Contacted:</b> DEC WQ Hotline - Voicemail DEC WQ Hotline - Email

**VERBAL NOTIFICATION MUST BE MADE TO DEC WITHIN 24 HOURS OF DISCOVERY OF NONCOMPLIANCE**

### INCIDENT DETAILS (attach additional sheets, lab reports, and photos as necessary)

#### Period of Noncompliance

**Start Date/Time (exact):** November 2, 2021 1:30 PM      **End Date/Time (exact):** November 3, 2021 12:00 PM

If noncompliance has not been corrected, provide a statement regarding the anticipated time the noncompliance is expected to continue:

**Description of the noncompliance and its cause (be specific):** Turbid storm water and sediment from a stream bank exited the project limits at approximately 298+50, 55' LT into Portage Creek No. 2. Storm water has been accumulating in an area previously cleared and grubbed with silt fence installed as the perimeter control. Accumulated storm water from the on-going event cut a channel to the silt fence and the flow ran along the embedded footing. The concentrated flow of water, along with tidal fluctuations, caused the silt fence to collapse upon which turbid storm water and stream bank sediments discharged into Portage Creek No. 2. The discharge on November 2, 2021 was caused by the ongoing rain event. The rainfall in the preceding 96 hours was 25.86" of precipitation exceeding the published 1000 yr-4 day frequency of 18.1" The 2yr-24hr storm event is 2.99".

During our weekly SWPPP site inspection of the project, a 50-foot section of silt fence used as a perimeter control BMP was found collapsed on the north bank of Portage Creek No. 2. Upon further inspection, it was found a large pool of storm water from the on-going rain event had cut a channel in the tidal silt found in this area to the silt fence. The flowing water, and changes from incoming to outgoing tides had undercut the installed silt fence which led to its collapse resulting in a discharge to the creek. Rill and gully erosion is present on the stream bank from the concentrated flow of storm water.

**Actions taken to reduce, eliminate, and prevent reoccurrence of noncompliance:**

24 hours after the discharge there was a break in the weather that enabled the project to install the silt fence in the area of the discharge, but it was moved back approx. 50 ft from the original location. It was installed higher up the stream bank to avoid further complication from tidal action. A row of wattles was installed 10 feet behind the silt fence to add an extra layer of perimeter control. The in-situ soils in this area are comprised of mainly of fine grain, unconsolidated silt prone to rapid rilling and gulying in the presence of concentrated flows during heavy rainfall and tidal fluctuations.


Construction in this area of the project isn't anticipated to re-start until the summer of 2022, and having competent perimeter control through fall freeze up and spring thaw is critical in this location (river bank). A BMP that can better withstand the elements, such as a rock berm, is being considered as well.



**Pollutant: Sediment Laden Storm Water**

**Corrective Actions: The Contractor's SWPPP Manager was present during the discovery of this discharge and corrective action was initiated 24 hours after the discharge during a break in the weather. The 7 day precipitation total was 29.70". Silt fence was reinstalled higher up the stream bank to more level ground and away from the rivers edge to eliminate tidal influences on the installation. A row of straw wattles was installed approximately 10 ft behind the silt fence. These BMPs will continue to be regularly inspected to ensure they provide the perimeter control needed in this area.**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>Name:</b>	<b>Joshua I. James, P.E.</b>	<b>Title:</b>	<b>Central Region ESC Advisor</b>	<b>Signature:</b>		<b>Date:</b>	<b>11/05/2021</b>
--------------	----------------------------------	---------------	---------------------------------------	-------------------	--	--------------	-------------------

**FORM MUST BE SENT TO DEC WITHIN FIVE DAYS OF BECOMING AWARE OF THE EVENT.**