

**MUNICIPALITY OF ANCHORAGE**  
**Type 1 Storm Water Pollution Prevention Plan**

Project Name: Nichols Plant 1 Breaker Changeout MOA Permit Number \_\_\_\_\_

Single Family/Duplex or Commercial? \_\_\_\_\_ Area of Disturbance (sq. ft) 1,175 Excavation Depth (ft): 4

Subdivision: East Addition Lot: 2A1 Block: 39D Tract: \_\_\_\_\_ Parcel: 00306215000

Street Address: 821 East 1st Ave, Anchorage, AK

Contact Name: Annie Collie, Midnight Sun Environmental, LLC Phone Number: 907-344-3244

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

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

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

In particular, the operators of these projects must:

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

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

**Site Characteristics**

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

**Erosion Control Practices**

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

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

- \_\_\_\_\_ Location of sediment barriers around storm sewer inlets.
- \_\_\_\_\_  \_\_\_\_\_ Location of diversions.  
 Note: Concentrated flow (drainageways, ditches, channels) shall be diverted (redirected) around disturbed areas. Overland runoff (sheet flow) from adjacent areas greater than 10,000 sq. ft. shall also be diverted around disturbed areas in a manner that will not adversely impact adjacent landowners. 2) Diversions will be stabilized with seeding and mulching within 24 hours of diversion completion.
- \_\_\_\_\_  \_\_\_\_\_ Location of practices that will control erosion in areas of concentrated flow.
- \_\_\_\_\_  \_\_\_\_\_ Location of practices that will be applied to control erosion on steep slopes (greater than 12% grade)  
 Note: Drainage ways will be stabilized with seeding, mulching, erosion control mats, in-channel fabric, or rock riprap. When used, a given in-channel barrier should not receive drainage from more than two acres of unpaved area, or one acre of paved area. In-channel practices should not be installed in perennial stream. Stabilization and other appropriate measures should be completed within 24 hours of drainageway completion. Sediment controls will be installed at the outlet ends of drainageways.

**Management Strategies**

- | Completed                           | Not<br>Applicable                   |  |
|-------------------------------------|-------------------------------------|--|
| _____                               | <input checked="" type="checkbox"/> | Temporary stabilization of disturbed areas.<br><br>Note: Disturbed areas and soil piles left inactive for more than 14 days must be stabilized by seeding (between May 1 and September 1) or by other cover, such as a tarp or heavy mulching.   |
| <input checked="" type="checkbox"/> | _____                               | Permanent stabilization of site by re-vegetation, lawn establishment, or other means as soon as possible.<br><br><div style="text-align: right; margin-right: 50px;"><b>Pavement</b></div> Indicate re-vegetation method:    Seed ___ Sod ___ Other _____<br><br>Expected date of permanent re-vegetation _____<br><br>Revegetation the responsibility of: Builder ___ Owner/Buyer _____ |

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

\_\_\_\_\_

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

\_\_\_\_\_ X \_\_\_\_\_  
Trapping sediment during site dewatering operations.  
Location: \_\_\_\_\_

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

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

**Inspection Requirements**

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

**Maintenance Requirements**

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

**Final Stabilization Requirements**

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

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

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

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

**Project Location:**

**(Address) (Street) (Lot)** 821 E 1st Ave, LT2A1

**Builder:** Contractor **Owner:** Chugach Electric Association, Inc.

**Worksheet completed by:** Annie Collie, Midnight Sun Environmental, LLC

**Installation and maintenance of erosion control practices responsibility of:**

**Name:** Contractor TBD **Phone:** \_\_\_\_\_

**Permanent seeding/sodding responsibility of:**

**Name:** N/A **Phone:** N/A

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**OWNER'S STATEMENT**

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

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

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

Signature (please sign in ink): Marty Freeman      Date: 2022-06-21

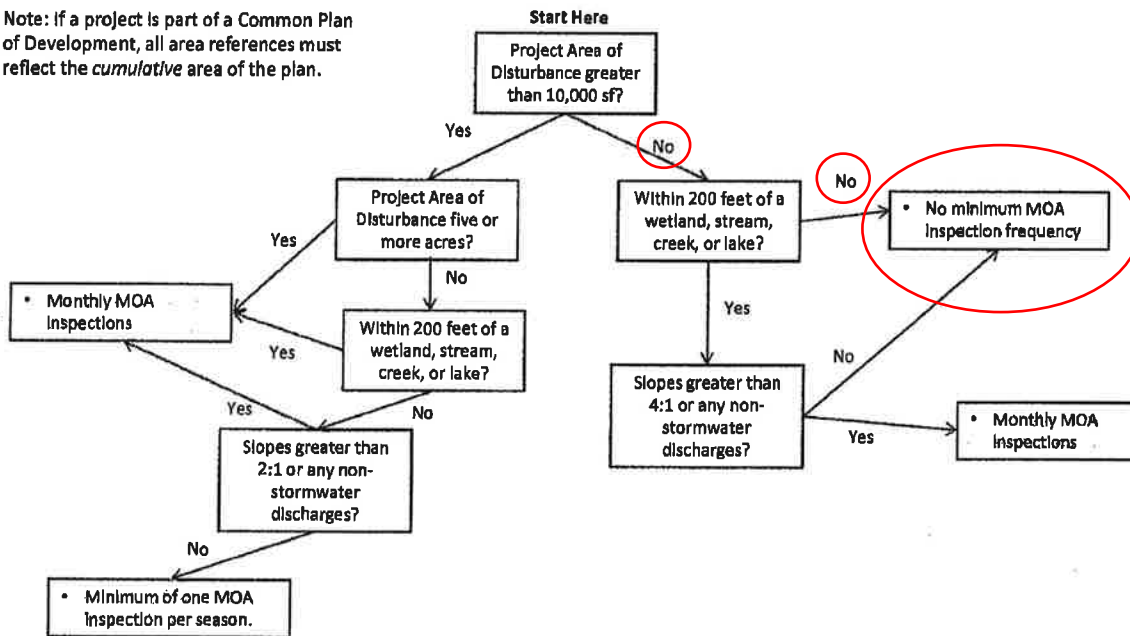
Name and Official Title (print or type):  
Marty Freeman

Company or Agency (if applicable):  
Chugach Electric Association, LLC

## Stormwater Threat Assessment Form

Please circle your responses.

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



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

*Marty Freeman*  
Signature

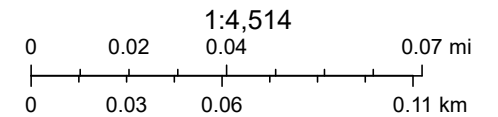
Marty Freeman

Printed Name and Title

# Nichols Plant 1 Breaker



June 21, 2022



MOA Watershed Management, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA,



# Plant 1 Switchyard

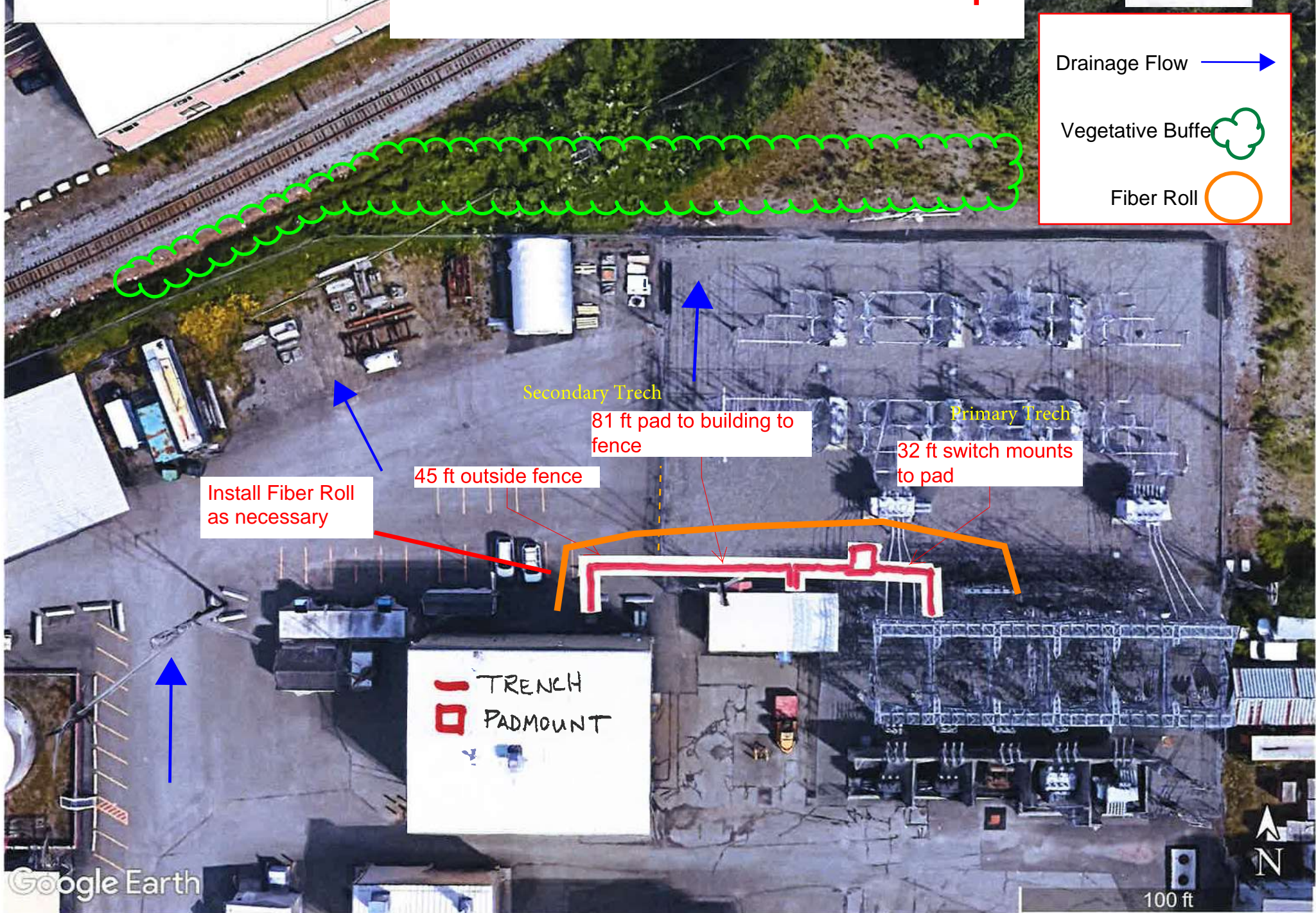
# Nichols Plant 1 Erosion and Sediment Control Map

## Legend

Drainage Flow →

Vegetative Buffer

Fiber Roll



Secondary Trench

81 ft pad to building to fence

Primary Trench

32 ft switch mounts to pad

45 ft outside fence

Install Fiber Roll as necessary

TRENCH  
PADMOUNT

# Signature Certificate

Reference number: XMISP-WMXPJ-SSCPD-FDDNT

Signer	Timestamp	Signature
<b>Marty Freeman</b> Email: marty_freeman@chugachelectric.com Sent: 21 Jun 2022 22:00:26 UTC Viewed: 21 Jun 2022 22:04:17 UTC Signed: 21 Jun 2022 22:04:38 UTC		
<b>Recipient Verification:</b> ✓Email verified	21 Jun 2022 22:04:17 UTC	IP address: 192.189.218.190 Location: Anchorage, United States

Document completed by all parties on:  
21 Jun 2022 22:04:38 UTC

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