THE STATE of ALASKA
GOVERNOR MIKE DUNLEAVY

Department of Environmental Conservation

DIVISION OF WATER
Wastewater Discharge Authorization Program

555 Cordova St
Anchorage, Alaska 99501-2617
Main: 907.269.6285
Fax: 907.334.2415

5/6/2021

Company: Ounalashka/Chena Power
ATTN: Bernie Karl
PO BOX 149
UNALASKA AK 99685-014

Facility:
Makushin Geothermal Project, Unalaska
Makushin River Valley
Unalaska AK 99685

Permit Number: AKR10GL44

This email/letter acknowledges that you have submitted a Notice of Intent form to be covered under the APDES General Permit for Stormwater Discharges for Construction General Permit Activity (Construction General Permit). The permittee is authorized to discharge storm water under the terms and conditions of this permit upon the issuance date of this letter. Permit documents can be accessed starting tomorrow on the ADEC's Storm Water Permit Search website:
(http://dec.alaska.gov/Applications/Water/WaterPermitSearch/Search.aspx).

As stated above, this letter acknowledges receipt of a Notice of Intent. However, it is not an ADEC determination of the validity of the information you provided. Your eligibility for coverage under the Permit is based on the validity of the certification you provided. Your signature on the Notice of Intent certifies that you have read, understood, and are implementing all of the applicable requirements. An important aspect of this certification requires that you correctly determine whether you are eligible for coverage under this permit.

As you know, the Construction General Permit requires you to have developed and begun implementing a Stormwater Pollution Prevention Plan (SWPPP) and outlines important inspection and record keeping requirements. You must also comply with any additional location-specific requirements applicable to Alaska. A copy of the Construction General Permit must be kept with your SWPPP. An electronic copy of the Permit and additional guidance materials can be viewed and downloaded at https://dec.alaska.gov/water/wastewater/stormwater/construction.

For tracking purposes, the following number has been assigned to your Notice of Intent Form:
AKR10GL44.

If you have general questions regarding the stormwater program or your responsibilities under the Construction General Permit, please call (907) 269-6285. Thank you for using the ADEC eNOI system.

(For Agency Use) Permit Authorization #: AKR10GL44

Notice of Intent (NOI)
for Storm Water Discharges Associated with Construction Activity under an APDES Construction General Permit

Submission of this Notice of Intent (NOI) constitutes notice that the party identified in Section II of this form requests authorization to discharge pursuant to the APDES Construction General Permit (CGP, AKR100000). Submission of this NOI also constitutes notice that the party identified in Section II of this form meets the eligibility requirements of the CGP for the project identified in Section III of this form. Permit authorization is required prior to commencement of construction activity until you are eligible to terminate coverage as detailed in the CGP. To obtain authorization, you must submit a complete and accurate NOI form. Refer to the instructions at the end of this form.

I. Single/Multiple NOI Project

Is this NOI for a project with a single NOI? ☑ Yes ☐ No

If "No," then your project has multiple NOIs, will the fee be paid with this NOI? ☐ Yes ☐ No

If "No," then enter the name of the operator paying the fee:

II. Operator Information

Type of Operator/Responsibility per Permit Part 1.2.1:

☑ Day-to-day operational control of on-site activities ☐ Construction Plans and Specifications

Organization:	Name:	Title:
Ounalashka/Chena Power	Bernie Karl	President

Phone:	Fax (optional):	Email:
(907) 488-1505		b.karl@chenapower.com

Mailing Address: Street or PO Box:	City	State:	Zip:
PO BOX 149	UNALASKA	AK	99685-0149

NAICS Code: 221119

III. Project / Site Information

Project Name:	Estimated Start Date:	Estimated End Date:
Makushin Geothermal Project, Unalaska, Alaska	05/01/2021	08/01/2022

Brief Description of Project:

Estimated Area to be Disturbed *(nearest tenth acre)*: 90

The proposed development is a geothermal power project including drilling geothermal production wells, reinjections wells, a tiered Kaishan direct drive geothermal generator, subsurface transmission lines, a subsea cable and tie-in to the existing Unalaska power grid, installation of a dock, various facility pads, and an access road connecting the facilities.

Location Address:

Borough or similar government subdivision: Aleutians West Census Area

Street:	City:	State:	Zip:
Makushin River Valley	Unalaska	Alaska	99685

Latitude (decimal degree, 5 places):	Longitude (decimal degree, 5 places):
53.792242	-165.348061

Determined By: ☐ GPS ☐ Web, Source: GPS Unit

☐ USGS Topographic Map, scale:

☐ Other:

IV. SWPPP (Storm Water Pollution Prevention Plan)

Location of SWPPP for Viewing: ☐ Address in Section II, ☐ Address in Section III, ☑ Other

If other:

Street:	City:	State:	Zip:
Makushin Valley River	Unalaska/Dutch Harbor	AK	99685

Additional Info:

SWPPP Contact Information (if different than that in Section II):

Organization:	Name:	Title:
Ounalashka/Chena Power	Terry Sunnarborg	Superintendent

Phone:	Fax (optional):	Email:
(907) 488-1505		terrysunnarborgg@gmail.com

Mailing Address: ☐ Check if same as Operator Information

Street (PO Box): PO BOX 149

City:	State:	Zip:
UNALASKA	AK	99685-0149

(For Agency Use) Permit Authorization #: AKR10GL44

Has the SWPPP been prepared in advance of filing this NOI?	☑ Yes ☐ No
For projects with 5 or more acres of disturbance, has a SWPPP been submitted to DEC?	☑ Yes ☐ No, ≤ 5 acres

Is your project / site less than one-acre, but part of a common plan of development? ☐ Yes ☑ No

If "Yes", provide the Permit Authorization Number and name of the common plan of development: Number: Name:

Have storm water discharges from your project / site been authorized previously by a DEC permit? ☐ Yes ☑ No

If "Yes," provide the Permit Authorization Number for the previous DEC permit? Select

If "Yes," have you updated your SWPPP according to the most recently issued CGP? ☐ Yes ☐ No

V. Permanent Storm Water Controls

Will you construct a permanent storm water management control measure at the project site (Part 4.11)? ☐ Yes ☑ No

If "Yes", indicate the type of measure to be installed:

☐ Pond ☐ Oil/Water/Grit Separator ☐ Proprietary Storm Water Sedimentation Device

☐ Other:

VI. Discharge Information

Does your project discharge into a Municipal Separate Storm Sewer System (MS4)? ☐ Yes ☑ No

If yes, name of the MS4 Operator:

Receiving Water and Wetlands Information: (if additional space is needed for this question, attach separate sheet or annotate in Section XI.)

a. Identify the name(s) of waterbodies or wetlands to which you discharge.	**Impaired waters/303d Listed waters**: (see http://dec.alaska.gov/water/water-quality/impaired-waters or GIS map of Impaired Waters, and Integrated Water Quality and Monitoring and Assessment Reports Webpage.						
	b. Are any of your discharges directly into any segment of a 303d Listed Water, i.e. "Impaired" Water?		**c.** If you answered **YES** to question **b**, then answer the following three questions:				
			i. What pollutant(s) are causing the impairment?	**ii.** Are the pollutant(s) causing the impairment present in your discharge?		**iii.** Is the discharge consistent with the assumptions and requirements of applicable EPA approved or established Total Maximum Daily Load (TMDL(s))?	
	Yes	**No**		**Yes**	**No**	**Yes**	**No**
Wetlands adiacent to Makushin River	☐	☑		☐	☑	☐	☑
Makushin River	☐	☑		☐	☐	☐	☐
Broad Bav	☐	☑		☐	☐	☐	☐

VII. Billing Contact Information

Organization:	Name:	Title:
Ounalashka/Chena Power	Bernie Karl	President

Phone:	Fax (optional):	Email:
(907) 488-1505		b.karl@chenapower.com

Mailing Address: ☐ Check if same as Operator Information

Street (PO Box): PO BOX 149

City:	State:	Zip:
UNALASKA	AK	99685-0149

VIII. NOI Preparer (Complete if NOI was prepared by someone other than the certifier.)

Organization:	Name:	Title:
Travis/Peterson Environmental Co	Edmond C Packee Jr.	Senior Scientist

Phone:	Fax (optional):	Email:
(907) 455-7225		eddie@tpeci.com

Mailing Address: ☐ Check if same as Operator Information

Street (PO Box): 329 2nd Avenue

City:	State:	Zip:
Fairbanks	AK	99701

IX. Certification Information

An Alaska Pollutant Discharge Elimination System (APDES) permit application or report must be signed by an individual with the appropriate authority per 18 AAC 83.385. For additional information, please refer to 18 AAC 83.385 at the following link: http://www.legis.state.ak.us/basis/aac.asp#18.83.385.

Corporate Executive Officer 18 AAC 83.385 (a)(1)(A)	For a corporation, a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation.
Corporate Operations Manager 18 AAC 83.385 (a)(1)(B)	For a corporation, the manager of one or more manufacturing, production, or operating facilities, if (i) the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental statutes and regulations; (ii) the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and (iii) authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
Sole Proprietor or General Partner 18 AAC 83.385 (a)(2)	For a partnership or sole proprietorship, the general partner or the proprietor respectively.
Public Agency, Chief Executive Officer 18 AAC 83.385 (a)(3)(A)	For a municipality, state, or other public agency, the chief executive officer of the agency.
Public Agency, Senior Executive Officer 18 AAC 83.385 (a)(3)(B)	For a municipality, state, or other public agency, a senior executive officer having responsibility for the overall operations of a principal geographic unit or division of the agency.
**For Delegated Authority: the delegation must be made in writing and submitted to the DEC.* *An Example of written authorization delegating authority can be found at http://dec.alaska.gov/media/13316/delegation-of-signatory-authority.pdf*	
Operations Manager *(Delegated Authority)** 18 AAC 83.385 (b)(2)(A)	For a duly authorized representative, an individual or a position having responsibility for the overall operation of the regulated facility or activity, including the position of plant manager, operator of a well or a well field, superintendent or position of equivalent responsibility.
Environmental Manager *(Delegated Authority)** 18 AAC 83.385 (b)(2)(B)	For a duly authorized representative, an individual or position having overall responsibility for environmental matters for the company.

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.

Organization:	Name:	Title:
Ounalashka/Chena Power	Bernie Karl	President

Phone:	Fax (optional):	Email:
(907) 488-1505		b.karl@chenapower.com

Mailing Address:
☐ Check if same as Operator Information

Street (PO Box): PO BOX 149

City:	State:	Zip:
UNALASKA	AK	99685-0149

Signature Page Signed by: Bernie Karl
Signature

5/6/2021
Date

X. Document Attachments and Supplemental Information

Documents attached with this application:

☐ Copy of SWPPP if ≥ 5 acres of disturbance.

☐ Delegation of Signatory Authority.

☐ Other:

For Agency Use
Permit #: AKR10GL44

Attachment 1. (Fill in as necessary if more space is required for Receiving water and Wetlands Information.)

a. What is the name(s) of your receiving water(s) that receive storm water directly and/or through a MS4? If your receiving water is impaired, then identify the name of the impaired segment, if applicable, in parenthesis following the receiving water name.	b. Are any of your discharges directly into any segment of an "impaired" water?		c. If you answered yes to question b, then answer the following three questions:				
			i. What pollutant(s) are causing the impairment?	ii. Are the pollutant(s) causing the impairment present in your discharge?		iii. Has the TMDL been completed for the pollutant(s) causing the impairment?	
	Yes	No		Yes	No	Yes	No
	☐	☐		☐	☐	☐	☐
	☐	☐		☐	☐	☐	☐
	☐	☐		☐	☐	☐	☐
	☐	☐		☐	☐	☐	☐
	☐	☐		☐	☐	☐	☐
	☐	☐		☐	☐	☐	☐
	☐	☐		☐	☐	☐	☐
	☐	☐		☐	☐	☐	☐
	☐	☐		☐	☐	☐	☐
	☐	☐		☐	☐	☐	☐
	☐	☐		☐	☐	☐	☐