

MAY 12 2022

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
Division of Mining, Land and Water

APPLICATION FOR EASEMENT
AS 38.05.850

ADL# _____
(to be filled in by State)

Applications that are submitted with unfilled sections or inadequate explanation and/or without application fees, a location figure and/or a completed Division of Mining, Land and Water (DMLW) Environmental Risk Questionnaire will be deemed incomplete. Incomplete applications will be returned without review. See DMLW's current fee regulations (11 AAC 05) and associated Director's Fee Order for applicable non-refundable fee amounts. The filing of an application does not guarantee processing or approval of the requested authorization.

Applicant: David R. Pahl Doing Business As: David R. Pahl

Agent: (if applicable; attach record of authorization to represent) _____

Mailing Address: HC 60 Box 2818 Email: pahlfam@aptalaska.net

City/State/Zip: Haines, Alaska. 99827

Primary Phone: ((907) 767-5674) Alternate Phone: ((907) 314-0738)

General Location: Tract A. Mosquito Lake Sub. Municipality: Haines Borough

Section(s): 15 Township: 28S Range: 55E Meridian: Copper River

Section(s): _____ Township: _____ Range: _____ Meridian: _____

Attach a location figure, plan drawing or survey that shows the detailed location of the requested easement in relation to adjoining property boundaries and reference points. All features must be labeled.

Dimensions requested (Complete line 1 for a lineal easement or line 2 for an easement with an irregular shape):

1. Length: (feet) 688 feet Width: (feet) 10 feet. (Plus a 40 ft. X 40 ft. Area for the powerhouse)

2. Area: 0.19 acre Are units in square feet or acres? (check one)

Term requested and rationale: 25 years Renewal of existing lease conditions

Are you applying for a public or a private easement? (check one) Rationale: Renewal of existing lease conditions

Development plan summary/specific purpose of easement: (e.g., electric utility, fiber-optic cable, road, bridge, airstrip/airport, driveway, trail, drainage). This information will be used to determine the scope of use of the easement.

The purpose of the easement is to continue to utilize the existing private hydro-electric utility. Please see the attached recorded R.O.W. permit.

Is this an existing use? Yes No. If yes, explain extent and duration of use to date:

This R.O.W. continues to be used to furnish electricity including electric heat to the applicant's home. It has been used and maintained since 1992.

Describe plans for initial construction. Be detailed. Include a list of authorizations for portions of the project that are proposed for construction on adjoining lands, other permitting, and/or third-party non-objections: (Use extra sheets as needed)

Construction of a dam, pipeline, powerhouse and power line were completed in the 1990s and have been maintained since. All agency review and permitting was done adhering to the requirements of the Alaska Coastal Management Plan. Please see the attached recorded Right-of-Way / easement permit.

Anticipated construction timeframe: _____

If this authorization is granted, I agree to construct and maintain the authorized improvements in an acceptable manner, and to keep the area in a neat and sanitary condition; to comply with all the laws, rules, and regulations pertaining thereto; and provided further that upon termination of the easement for which application is being made, I agree to remove or relocate the improvements and restore the area without cost to the State and to the satisfaction of DMLW.

Applicant's Signature

David R. Pahl

Date:

5/10/2022

This form must be filled out completely and submitted with the applicable fees. Failure to do so will result in a delay in processing. AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(8) and confidentiality is requested, AS 43.05.230, or AS 45.48). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.

In submitting this form, the applicant certifies that he or she has not changed the original text of the form or any attached documents provided by the Division. In submitting this form, the applicant agrees with the Department to use "electronic" means to conduct "transactions" (as those terms are used in the Uniform Electronic Transactions Act, AS 09.80.010 – AS 09.80.195) that relate to this form and that the Department need not retain the original paper form of this record: the department may retain this record as an electronic record and destroy the original.

For Department Use Only
Application received date stamp

Receipt Types:

- 13A Pipeline Easement
 13 Other Easement

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
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Land Conveyance Section
 550 W. 7th Ave, Suite 640
 Anchorage, AK 99501-3576
 (907) 269-8594

Northern Region
 3700 Airport Way
 Fairbanks, AK 99709-4699
 (907) 451-2740
nro.lands@alaska.gov

Southcentral Region
 550 W. 7th Ave, Suite 900C
 Anchorage, AK 99501-3577
 (907) 269-8503
dnr.pic@alaska.gov

Southeast Region
 P. O. Box 111020
 Juneau, AK 99811-1020
 (907) 465-3400
sero@alaska.gov

Statewide TTY – 771 for Alaska Relay or 1-800-770-8973

APPLICANT ENVIRONMENTAL RISK QUESTIONNAIRE

The purpose of this questionnaire is to help clarify the types of activities you propose to undertake. The questions are meant to help identify the level of environmental risk that may be associated with the proposed activity. The Division of Mining, Land and Water's evaluation of environmental risk for the proposed activity does not imply that the parcel or the proposed activity is an environmental risk from the presence or use of hazardous substances.

Through this analysis, you may become aware of environmental risks that you did not know about. If so, you may want to consult with an environmental engineer or an attorney.

<u>DAVID R. PAHL</u>		<u>DAVID R. PAHL</u>	
Applicant's Name	Doing Business As		
<u>HC 60 #2818</u>	<u>HAINES</u>	<u>AK</u>	<u>99827</u>
Address	City	State	Zip
<u>907 1314-0738</u>	<u>907 1767-5674</u>	<u>pahlfam@ptalaska.net</u>	
Message Phone	Work Phone	Email	
		<u>DAVID PAHL</u>	
		Contact Person	

Describe the proposed activity:

In the course of your proposed activity will you generate, use, store, transport, dispose of, or otherwise come in contact with toxic and/or hazardous materials, and/or hydrocarbons? Yes No. If yes, please list the substances and the associated quantities. Use a separate sheet of paper, if necessary.

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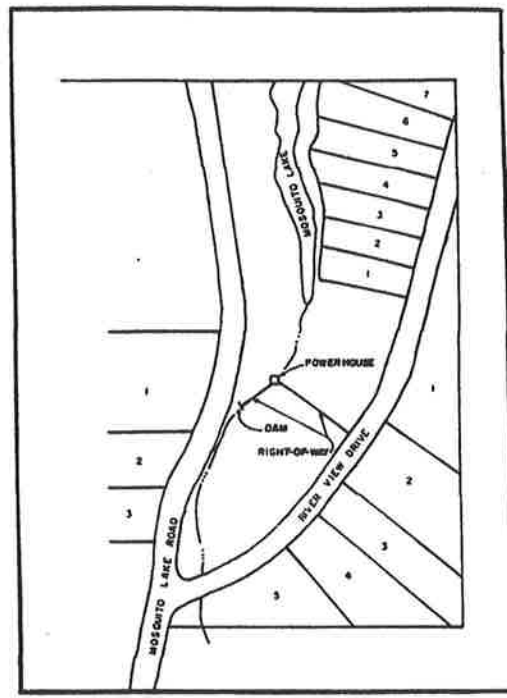
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Applicant's Signature David R. Pahl Date: 5/10/2022

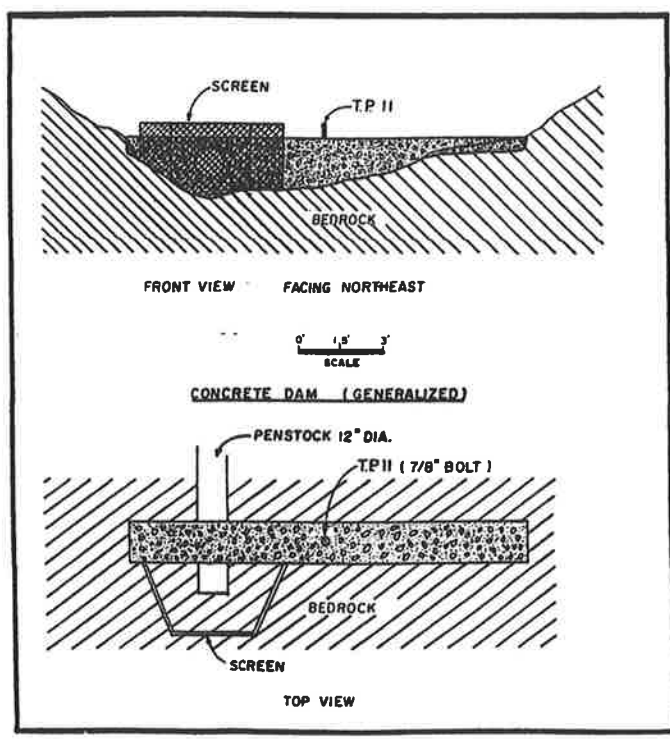
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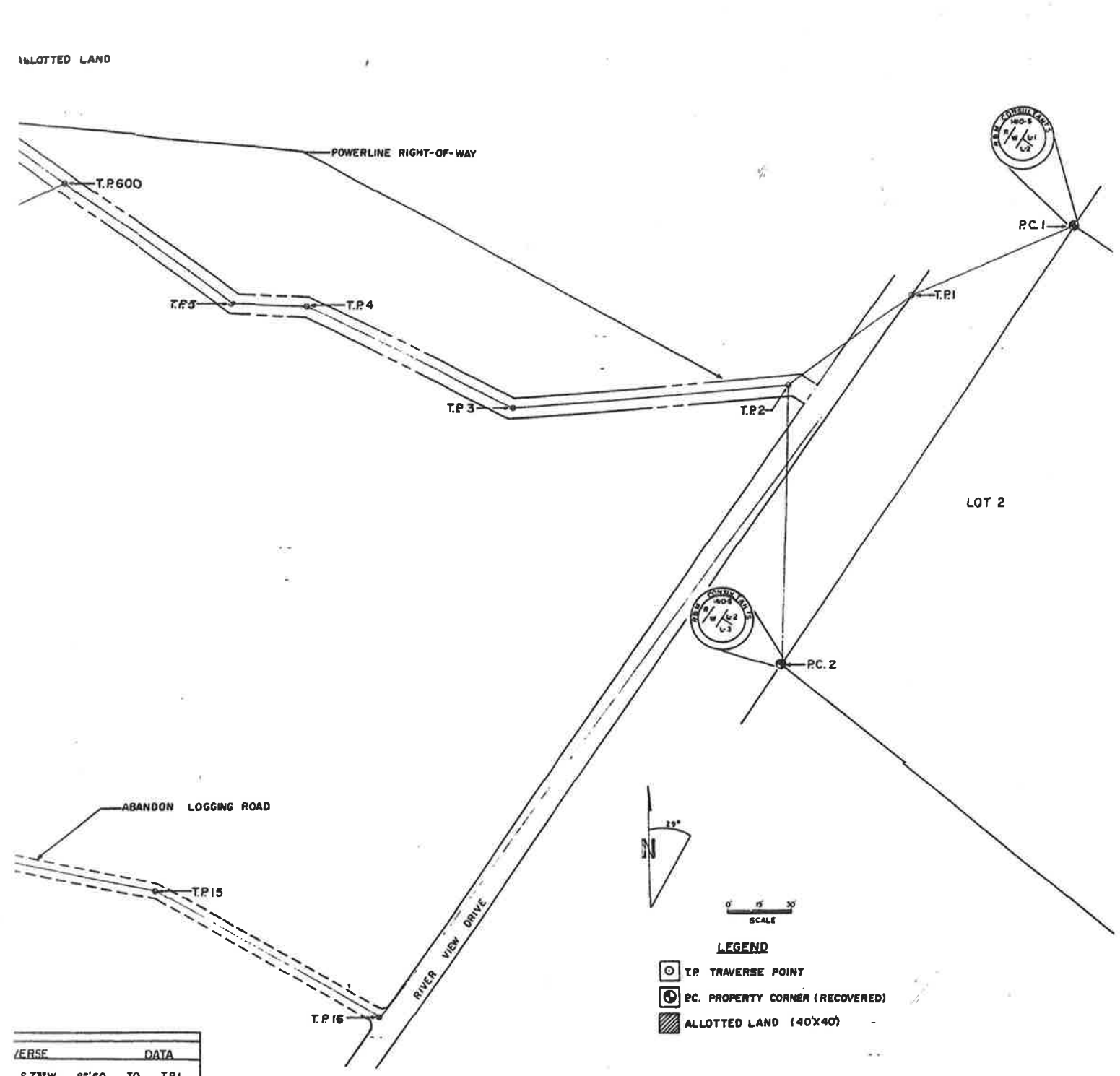
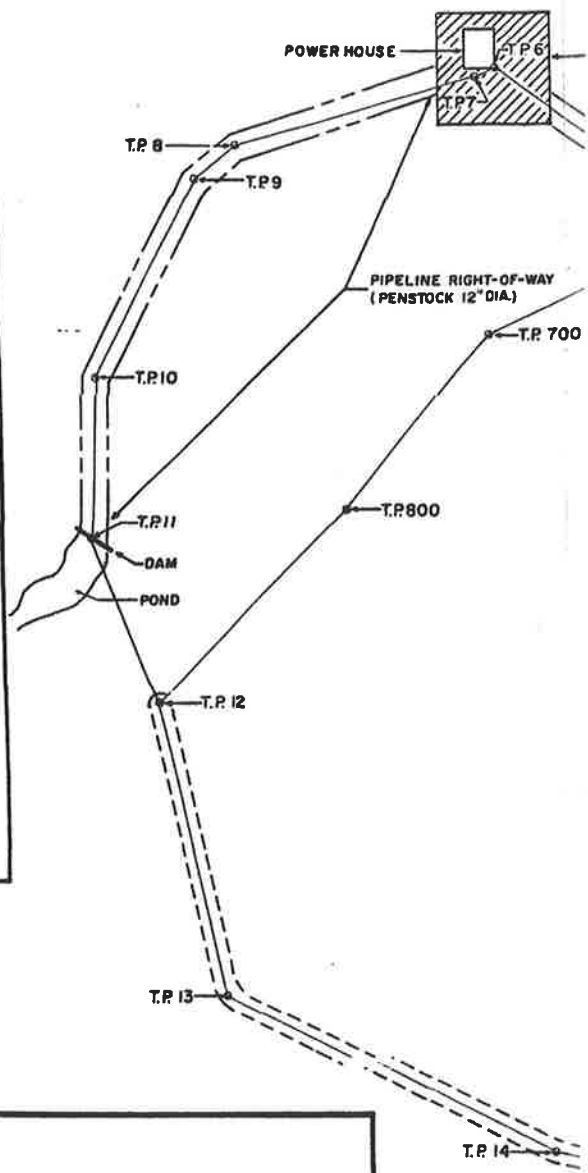
VICINITY MAP



FRONT VIEW FACING NORTHEAST

CONCRETE DAM (GENERALIZED)

TOP VIEW



VERSE	DATA
S 73°W	86.60 TO T.P.1
S 54°30'W	73.53 TO T.P.2
N 1°30' E	137.33 TO T.P.2
S 86°W	134.12 TO T.P.3
N 62°30'W	116.50 TO T.P.4
N 88°W	35.34 TO T.P.5
N 51°W	99.03 TO T.P.600
N 51°W	96.30 TO T.P.6
S 61°W	7.2 TO T.P.7
S 73°30'W	88.44 TO T.P.8
S 49°W	18.62 TO T.P.9
S 27°30'W	78.70 TO T.P.10
S 1°W	56.80 TO T.P.11
S 22°30'E	62.23 TO T.P.12
S 11°E	109.13 TO T.P.13
S 65°30'E	151.58 TO T.P.14
S 78°E	97.38 TO T.P.15
S 59°30'E	108.98 TO T.P.16
N 42°E	432.37 TO T.P.1
D S 66°W	89.10 TO T.P.700
D S 38°30'W	79.07 TO T.P.800
D S 40°30'W	93.0 TO T.P.12

- LEGEND**
- T.P. TRAVERSE POINT
 - P.C. PROPERTY CORNER (RECOVERED)
 - ALLOTTED LAND (40'x40')

RIGHT - OF - WAY PLAT

LEGAL DESCRIPTION: A FRACTION OF TRACT A, MOSQUITO LAKE ALASKA SUBDIVISION, A PORTION OF LOT 2, TRACT B, USS 3708 WITHIN THE S.E. 1/4 N.E. 1/4 PROTRACTED SECTION 15, T.28 S., R.55E. C.R.M.

AMOUNT AND TYPE OF RESOURCE REQUESTED: 10'x620' FOR DAM, PIPELINE AND POWERLINE; 40'x40' FOR POWERHOUSE.

ACQUISITION AUTHORITY: MENTAL HEALTH 16

TITLE STATUS: PATENTED (50-65-0019)

NAME OF APPLICANT: DAVID PAHL P.O. BOX 702 HAINES, ALASKA 99827

Summary

The Pahl Micro-Hydro system is situated on an unnamed stream in the Mosquito Lake area approximately 27 miles Northwest of Haines, Alaska. The Pahl's have utilized this small electric system for 25 years. The Pahl's continue to use this source of power for their homestead which they have owned since 1980. Development of the site was completed in the 1990s, with upgrades and repairs representing the majority of the construction activities that have taken place since. Non-construction activities include upkeep and maintenance of the Right-of-Way and equipment. In 2022, I will be replacing the alternator which has served reliably for 20 years.

Legal Description

A fraction of Tract A, Mosquito Lake Subdivision, A portion of Lot 2, Tract B, USS 3708
Within the S.E. 1/4 N.E. 1/4. Protracted Section 15, T, 28S., R 55E, CRM

Terrain/Ground

Referring to the attached plat, T.P. 2 to T.P. 7 is a foot trail which descends into a steep ravine. There is an elevation drop of approx. 95 feet over a distance of approx. 400 feet. From T.P. 7 to T.P. 11, the terrain is steep uphill. This section follows the stream bed and portions are near vertical, climbing 48 feet in a distance of 220 feet. From T.P. 11 to T.P. 12 is a foot trail which climbs approx. 30 feet in elevation over approx. 80 feet of distance. From T.P. 12 to T.P. 16 is an abandoned logging road which is level. From T.P. 16 to T.P. 1 is a portion of Riverview Drive and the terrain is level.

Access

Access on this R.O.W. is limited to foot travel because of steep terrain.

Buildings and other structures

The powerhouse is located on a 40' x 40' portion of the R.O.W. which was allocated for the powerhouse as shown as T.P. 6 & 7 on the attached plat. This structure is on metal "channel iron" posts which are driven into the ground in such a manner that eventual removal will leave no trace of prior development. The structure consists of a bolt-together metal frame with wood siding and sheet metal roofing. This structure contains the Cross-flow turbine and 12 KW single phase alternator. Water is discharged from the turbine through the floor of the structure and into a "tail race" which connects to the natural stream bed nearby. A concrete dam is located on the attached plat as T.P. 11. A top view and front view are also shown.

Power source N/A

Waste types and disposal methods N/A

Hazardous substances N/A

Water supply

A Water Rights permit has been issued to allocate 3 CFS from the unnamed stream for power generation.

Parking areas and storage areas N/A

Number of people using the site

Only household members use this R.O.W. and only for the purpose of maintaining the hydro-electric project for which this Right-of Way permit has been issued.

Maintenance and operations

Maintenance is on going with periodic brushing of foot trails and this year I plan to replace the alternator and metering equipment.

Closure/reclamation plan

Upon closure, all manmade objects will be removed from the R.O.W. and the site will be returned to the natural environment. Foot trails will quickly become overgrown with the natural vegetation of the area.

David R Poll
5/10/2022