

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17734
Exam Date: 03/05/2021

1. Current Owner:
KROTZER PARK WATER ASSN C/O MICHAEL B HAGUE
401 E FRONT AVE STE 212 COEUR D ALENE ID 83814-2754

2. Accompanied by: Michael Hague
Phone No: 208-755-6439
Address: Same as above
Relationship to permit Holder: Representative

3. **SOURCE:**
COEUR D ALENE LAKE

Tributary
SPOKANE RIVER

Method of Determination: Arcmap and DRG.

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: 3ea statutory claims 95-4677, 95-4719, and 95-8105 all overlap this permits POU, but were not filed on in the CSRBA, and are not a concern for overlap consideration.

2. Other water rights with the same point-of-diversion: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-15747	COEUR D'ALENE LAKE	DOMESTIC	DECREED

Comments: 95-15747 and this permit 95-17734 share the same water delivery system associated with Krotzer Park Water Assn. Condition F06 was added to the permit prior to approval describing the same POD between rights.

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

COEUR D ALENE LAKE L4 (NE $\frac{1}{4}$ SW $\frac{1}{4}$), Sec. 11, Twp 49N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS. POD is a screened intake pipe in lake located at -116°49.228, 47°36.284.

PLACE OF USE: DOMESTIC

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
49N	04W	11								X L3	X L4								

Method of Determination: Field exam and Arcmap aerial imagery.

3. Delivery System Diagram Attached (required). Indicate all major components and distances between components.
☒ Indicate weir size/pipe as applicable.

☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

☒ Aerial Photo Attached (required for irrigation of 10+ acres).

☒ Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
SUBMERSIBLE PUMP	A.Y. MCDONALD	0.5	17614-06-01742C	A.Y. MCDONALD	1.25"

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: Unable to perform flow measurement because system pumped directly into a community storage reservoir without adequate piping to perform a measurement.

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Measured Method: applicant provided pump capacity performance data and pump curve that illustrate the ½ HP submersible pump has a 21.0 gpm maximum flow capacity. 21.0 gpm equates to **0.05 cfs** considering department rounding standards, which is recommended for licensing. Existing right 95-15747 uses the same water system infrastructure, and is licensed with a diversion rate of 0.06 cfs, which correlates closely with the data provided by the applicant's for this permit.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

$$\text{Domestic annual volume} = 7 \text{ homes} \times 1.2 \text{ af per home} = \mathbf{8.4 \text{ af}}$$

G. NARRATIVE/REMARKS/COMMENTS

Field exam performed on 3/5/2021 with the applicant's representative, Michael Hague, showed a submersible pump and intake pipe in Lake Coeur D'Alene, diverting water for domestic uses associated with Krotzer Park Water Association. At the POD, a ½ HP submersible pump & small poly pipe routed from the lake along the applicant's dock to shore and up to an emergency shutoff, and then up-hill to the applicant's 12,000 gallon community storage reservoir. Co-located with the storage reservoir is a vaulted distribution system works, which includes two transfer pumps and pressure tanks to provide water services to 10 total lots. The water system for this permit is the same as decreed right 95-15747, which has the same POD and water system infrastructure; 95-15747 accounts for two homes that were claim recommended and decreed in the recent CSRBA process.

I was unable to perform a flow measurement because the system pumps directly into a community storage reservoir without adequate piping to perform a measurement. The applicant provided pump capacity performance data and a pump curve that illustrate the ½ HP submersible pump has a 21.0 gpm maximum flow capacity. 21.0 gpm equates to **0.05 cfs** considering department rounding standards, which is recommended for licensing. Existing right 95-15747 is licensed with a diversion rate of 0.06 cfs, which correlates closely with the data provided by the applicant's for this permit.

During the field exam, Mr. Hague and I walked the Domestic POU, which consists of 7 lots with service connections, one of which is a stubbed-in vacant lot that with a frost free hydrant located in the middle of it. The other six lots have homes on them, and photographs were taken to illustrate the domestic POU at time of exam. The lots are small, with the exception of one double lot, but irrigation systems were observed with small lawns and/or landscaping that enable credit to be given for the ½ acre irrigation covered under domestic beneficial uses. Each of the 7 lots were sketched out on field maps during the field exam. During licensing review, Arcmap aerial imagery was used to trace out the 7 parcels consisting of the POU, which include parcels RP49N04W115015, RP49N04W115005, RP49N04W114995, RP49N04W114975, RP04380000023C, RO94380000023B, and double lot RP0438000009A. The annual volume recommended for licensing this permit equals 7 homes/stub-ins x 1.2 af = **8.4 af**, which is assigned as the maximum diversion volume for licensing purposes.

The first four parcels identified above are not in the Krotzer Park Subdivision, but are serviced by Krotzer Park Water Association. Arcmap aerial imagery shows a densely treed area that doesn't allow for clear identification of the homes constructed on 6 of the 7 lots, and photographs serve as evidence & proof of domestic use at the POU. A single parcel RP49N04W114985 that was part of the permit approved POU was excluded from the 7 homes designated on the Applicant's Statement of Completion. This parcel has a stub-in, but is vacant; at time of field exam, it was identified that there were 8 service connections, and the application and subsequent permit did not account for one of the service connections (email correspondence attached to field report). As a result, if the vacant lot is built upon, a separate application for permit will be required to account for domestic use on parcel RP49N04W114985.

Condition 26A was removed from the permit during licensing review. Condition X35 was added to describe that rights 95-15747 and this permit 95-17734 when combined shall not exceed a total diversion rate of 0.06 cfs. All other conditions on the permit shall be carried forward to the license. Overlap concerns: 3ea statutory claims 95-4677, 95-4719, and 95-8105 all overlap this permits POU, but were not filed on in the CSRBA, and are not a concern for overlap consideration. There are no additional overlap concerns for this right.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
DOMESTIC	01/01 to 12/31	0.05 CFS	8.4 AF
<u>Totals:</u>		0.05 CFS	8.4 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

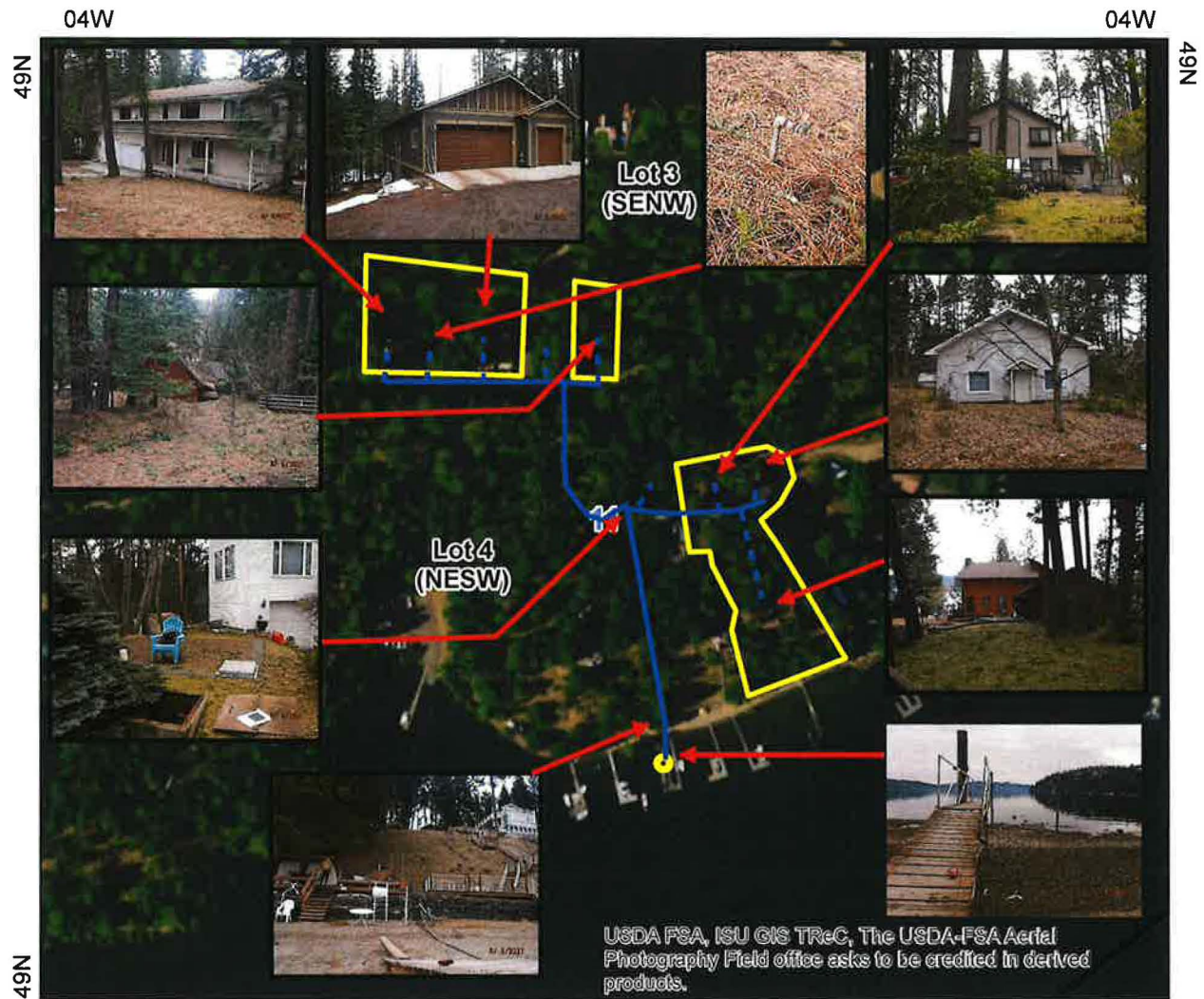
I. AUTHENTICATION Luke Bates - Water Resource Agent

Field Examiner's Name  Date 3/15/2021

Reviewer  Date 3/15/2021

State of Idaho
Department of Water Resources
Attachment to Field Exam
95-17734

DOMESTIC system diagram.



04W

- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections
- Quarter Quarters

0 0.035 0.07 0.14 Miles



From: Lianne Hague <lianne@beautifulcda.com>
Sent: Tuesday, March 2, 2021 11:33 AM
To: Bates, Luke
Subject: Krotzer Park Water Pump Info
Attachments: RC WORST PUMP INFO.pdf

Hi Luke,

Here is the pump info from the RC Worst Website. I talked to Rick at Worst and he said we have the 1/2 horse pump. The pump curve is on page 4 and we are the blue line, second from the bottom.



Lianne Hague

REALTOR®
Windermere CDA Realty | Post Falls
1616 E Selkirk Way
Post Falls, ID 83854
Cell: 208-227-4463
Lianne@Beautifulcda.com



----- Original message -----

From: Michael Hague <Mhague@haguelawoffices.com>
Date: 3/2/21 11:30 AM (GMT-08:00)
To: Lianne Hague <lianne@beautifulcda.com>
Subject: Krotzer Park Water Pump Info

Michael B. Hague
Attorney at Law

HAGUE
— Law Offices, PLLC —

401 E. Front Avenue, Ste. 212
Coeur d'Alene, ID 83814
Telephone: 208-215-2400
Facsimile: 800-868-0224

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EXTENDED LIMITED WARRANTY AGREEMENT SUBMERSIBLE PUMP - 5 YEAR LIMITED WARRANTY

This 5-Year Limited Warranty is ONLY available on all 21000, 23000, & 24000 Series - A.Y. McDonald 4" Submersible Pumps, 5-25 GPM.
(The Pump must be installed within two years from the date of manufacture).

THIS FORM MUST BE SUBMITTED WITHIN THE FIRST 30 DAYS AFTER THE ORIGINAL PRODUCT INSTALLATION.

AGREEMENT

The Extended Warranty Service ('Program') is offered pursuant to the terms of this agreement, including the completion of the form set forth as Extended Warranty Form, which shall be considered incorporated herein. The Program extends the term of A.Y. McDonald Mfg., Co.'s ('Company') standard limited warranty to a 5-Year warranty period from the date of the original installation. For the Company's standard limited warranty terms, please refer to the Pumps and Accessories Price List.

A.Y. McDonald warrants the pump shall be free from defects in material and workmanship and shall perform the services for which it is intended when properly installed, under normal use, and under ordinary conditions. Our warranty will not apply to any product that, in our sole judgment, has been subject to negligence, misapplication, improper installation, or improper maintenance.

This Extended Warranty Program covers the pump and/or motor for the extended warranty period. Labor and parts are not included in the Program. The replacement unit is warranted for the remaining portion of the original five years and must be installed by a professional installing Dealer. This Warranty Program is not transferable.

The Extended 5-Year Warranty program is available on A.Y. McDonald 1/3 - 1 1/2 Horsepower 4" Submersible Pumps for \$25.00 and Two, Three and Five Horsepower 4" Submersible Pumps for \$50.00

If your A.Y. McDonald 4" Submersible Pump should fail within five years, notify your A.Y. McDonald Dealer.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN. THIS PROGRAM IN NO WAY EXPANDS OR ENHANCES THE APPLICABLE LIMITED PRODUCT WARRANTY, EXCEPT TO PROVIDE AN ADDITIONAL PERIOD OF TIME DURING WHICH THE LIMITED WARRANTY AS SET FORTH HEREIN WILL BE APPLICABLE.

EXTENDED WARRANTY FORM

All blanks below must be completed and the three copies of the Agreement forwarded to the A.Y. McDonald Mfg., Co. for validation. Copies will be returned to the consumer and Dealer as designated.

Krotzer Park Water Association, LLC

CONSUMER'S NAME

(208) 755-6439

PHONE

401 E Front Ave, Ste 212

MAILING ADDRESS

Coeur d'Alene ID

CITY

STATE

ZIP

23050 K3

PUMP MODEL NUMBER (Example: 23150K2)

L17

PUMPEND DATE CODE - (Found on intake casting)

EXAMPLE:

<u>J13</u> DATE CODE	<u>050</u> MOTOR HP	<u>K</u> PUMP SERIES
<u>230V</u> VOLTAGE	<u>2</u> POWER LEADS	<u>X</u> ASSEMBLER'S CODE

Motor Serial# S/N: 17L14-06-11742C
(Found above Name Plate on motor) Example: (12D18-24-0008C)

Date of Installation 08/03/2018

FOR OFFICE USE ONLY:

Warranty Number _____

Date Received _____

Authorized By _____

R.C. Warst & Co Inc.

INSTALLING DEALER

625 E Best Ave

MAILING ADDRESS

Coeur d'Alene, ID 83814

CITY

STATE

ZIP

208-664-2133

PHONE

NAME OF DISTRIBUTOR

Program Options:

☒ Warranty Program 1/3 - 1 1/2" Horsepower 4" Submersible at \$25.00

☐ Warranty Program 2 HP, 3 HP and 5 HP 4" Submersible at \$50.00

Enclose your payment for the Program of choice payable to A.Y. McDonald Mfg., Co. Payments must be paid in U.S. Funds.

If you would like to make your payment by Credit Card - Visa or Mastercard, call 800-292-2737 ext. 5312/5212 (may delay processing time).

Mail the completed Extended Warranty Form to:

A.Y. McDonald Mfg., Co. | Attention: Pump Department
P.O. Box 508 | Dubuque, IA 52004-0508

I have read and understand this Extended Warranty Agreement and agree to the terms and conditions herein.

Consumer/Cardholder Signature _____

Date 8/14/2018

A.Y. McDonald Dealer Signature _____

Date 8-9-18

WHITE - FACTORY COPY

YELLOW - CONSUMER COPY

PINK - DEALER COPY

(/resize/Shared/content/mfr/a_y_mcdonald_mfg_co/product_imgs/aym23xxxxxxlbb_001_wbg.jpg?
bw=750&w=750&bh=750&h=750)

A.Y. McDonald 23050K3LB Stainless Steel Pump & Motor 10 GPM 0.5 HP 230V 3-Wire Single-Phase

[Move to List](#)

\$622.70

Quantity: + -

1

[Add to Cart](#)

Usually ships within 24 hours.

In Stock Quantity: 5

SKU: AYM23050K3LB

[\(/ay-mcdonald-mfg-co\)](#)[More Details >\(\)](#)

Free Shipping
Lower 48

[\(/store/pg/103-Shipping>Returns.html\)](#)

Shipping Weight:

25.0 LBS

Shipping Dimensions

Length: 5 In

Width: 5 In

Height: 23 In



Website is Security Scanned

Security Scan Passed:

Scan Frequency:

No Malware Detected

Malware Scan Passed:

Scan Frequency:

Active SSL Certificate

Encrypted By:

Expiration Date:

[Description](#)[Specifications](#)[Resources](#)[Warranty](#)[Reviews \(0\)](#)

A.Y. McDonald 23050K3LB Stainless Steel Well Pump Specifications

Water Well Motor

- BODY CONSTRUCTION: 304 Stainless Steel
- HORSEPOWER: 0.5 HP
- CABLE LENGTH: 5-1/2 ft.



- VOLTAGE: 1ø, 230V
- RPM: 3450
- SERVICE FACTOR: 1.6
- DOWNWARD THRUST (lbs): 500 lbs
- MAX AMBIENT TEMPERATURE: 95°F/35°C
- FULL LOAD AMPS: 5.5
- FLANGE: NEMA 4"
- MAX OPERATING DEPTH: 984 ft
- LEAD: 3-wire
- **CONTROL BOX REQUIRED**

Water Well Pump End

- DISCHARGE SIZE: 1.25" FNPT
- NOMINAL FLOW RATING: 10 GPM
- HORSEPOWER: 0.5 HP
- MAXIMUM CAPACITY: 21.0 GPM
- MAXIMUM HEAD: 259'
- STAGES: 7
- IMPELLER DESIGN: Floating Stack
- IMPELLER MATERIAL: Glass Bead Acetal
- BODY MATERIAL: 300 Series Stainless Steel

[More Details >\(\)](#)

A.Y. McDonald 23000 K Series Stainless Steel Well Pump

Website is Security Scanned

Security Scan Passed:

Scan Frequency:

No Malware Detected

Malware Scan Passed:

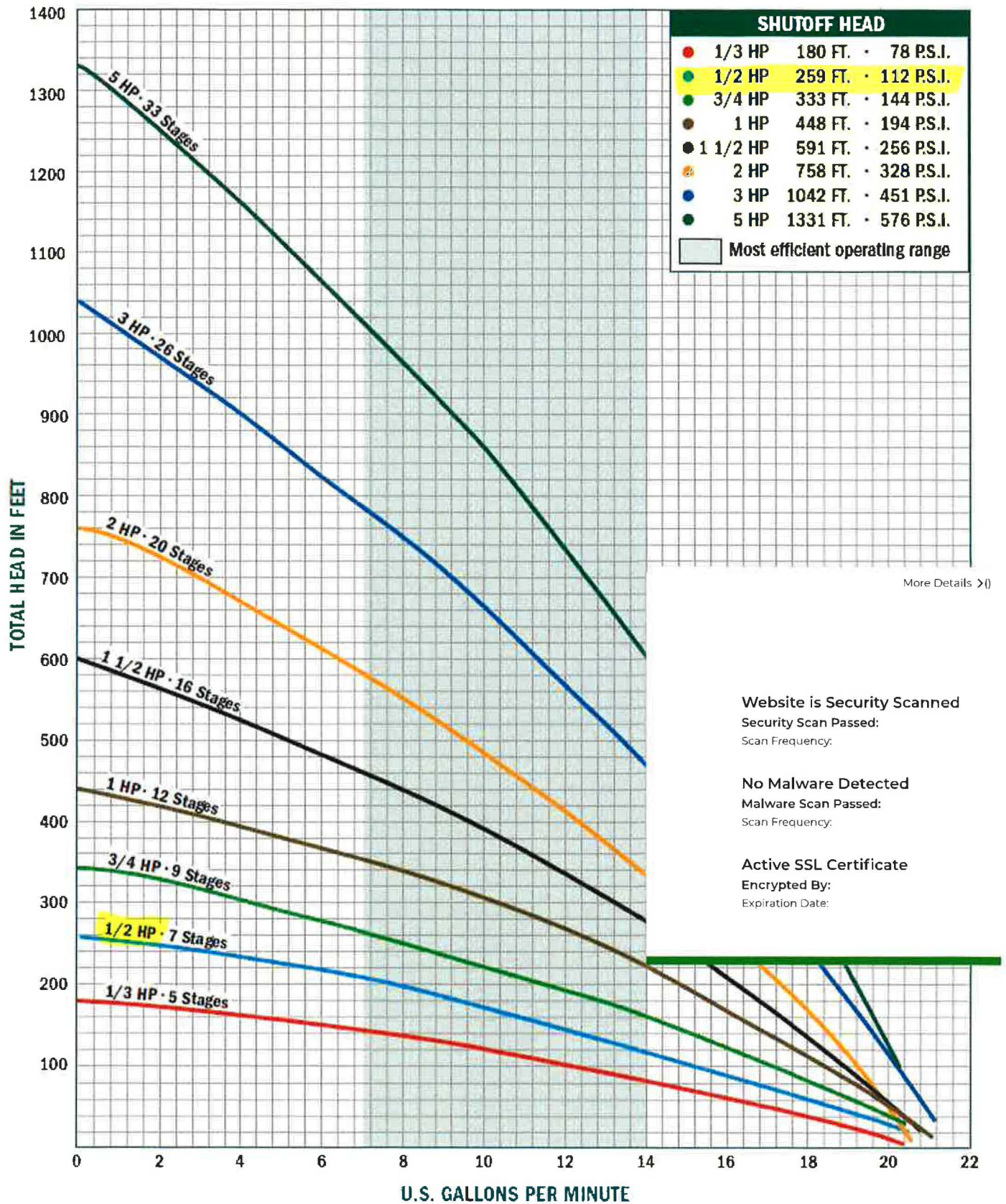
Scan Frequency:

Active SSL Certificate

Encrypted By:

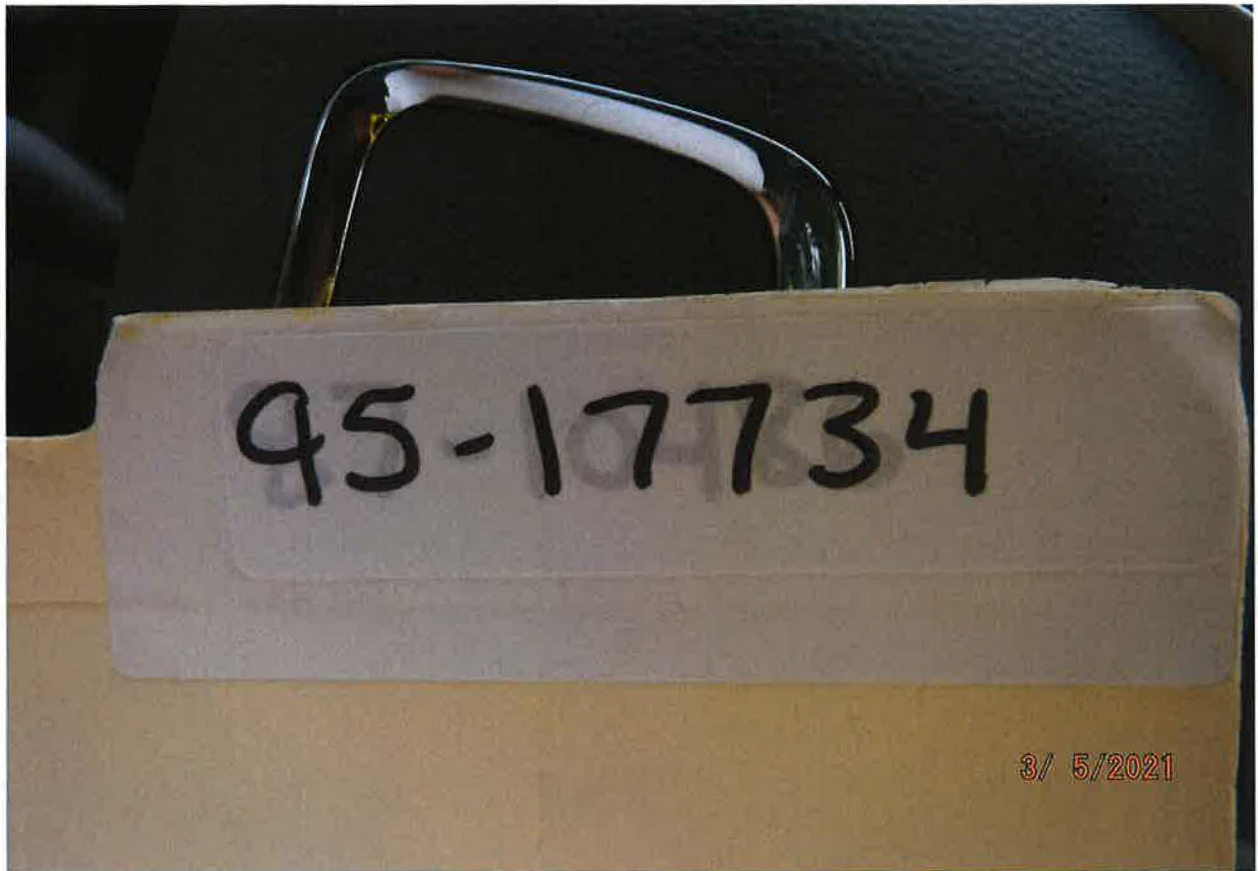
Expiration Date:





WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov





F.E. DATE 3/5/2021



POD – SCREENED INTAKE PIPE IN LAKE

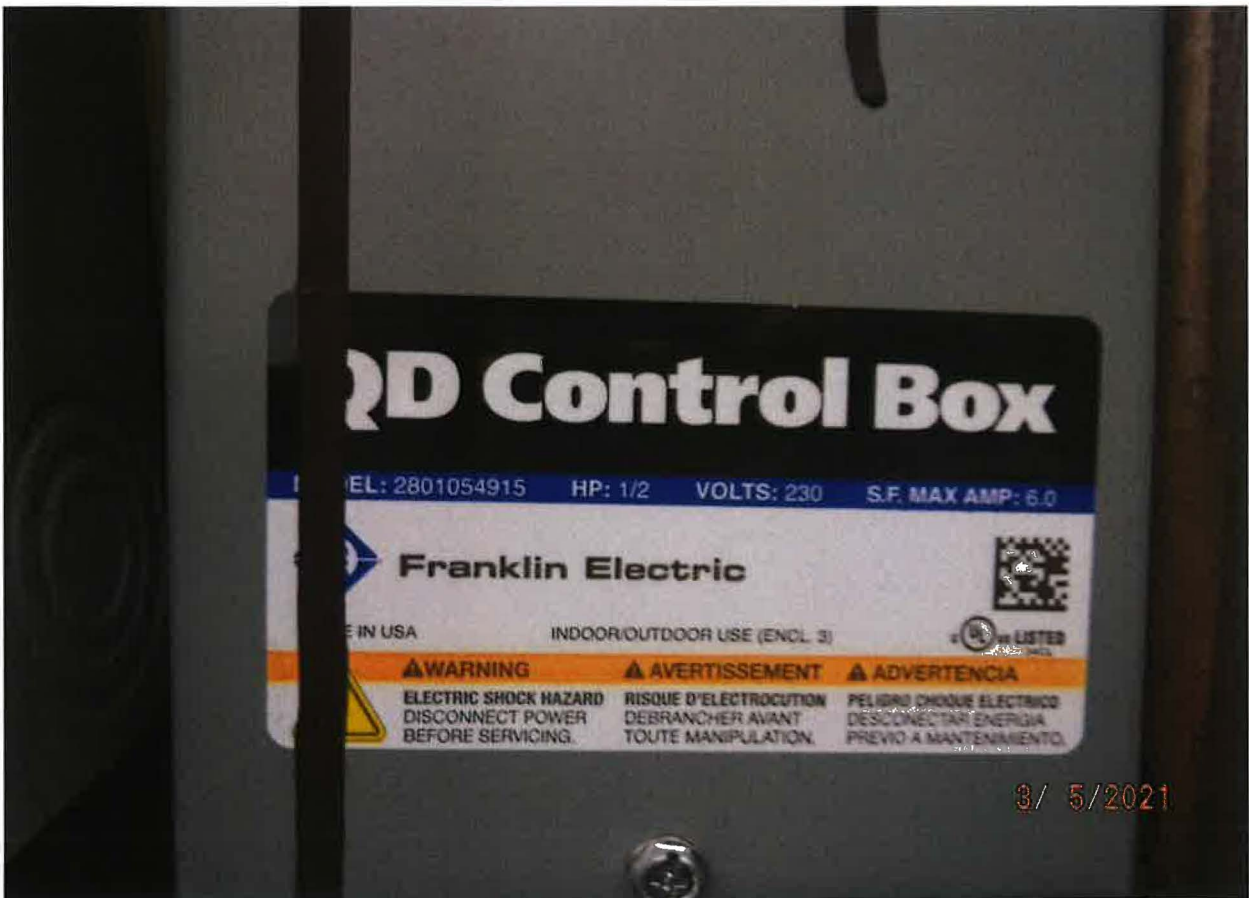


LOW WATER ~ PIPE ROUTES ALONG DOCK UP SHORE AND UP HILL TO STORAGE TANK





EMERGENCY SHUTOFF VALVE



1/2 HP PUMP DIVERTS WATER FROM LAKE



12,000 GALLON STORAGE RESERVOIR





VAULT FOR 2EA DISTRIBUTION PUMPS, FILTRATION, AND PRESSURE TANKS FROM STORAGE RESERVOIR





DOMESTIC POU – 3097 W LUTHERHAVEN RD – PARCEL No. RP49N04W115015



DOMESTIC POU – VACANT LOT – PARCEL No. RP49N04W115005 – STUB-IN AND FROST FREE HYDRANT



DOMESTIC POU – 3013 W LUTHERHAVEN RD – PARCEL No. RP49N04W114995



DOMESTIC POU – 3055 W LUTHERHAVEN RD – PARCEL No. RP49N04W114975



DOMESTIC POU – 2817 W LUTHERHAVEN RD – PARCEL No. RP04380000023C



DOMESTIC POU – 2733 W LUTHERHAVEN RD – PARCEL No. RP04380000023B



DOMESTIC POU – 2818 W LUTHERHAVEN RD – PARCEL No. RP0438000009A



IRRIGATION UP TO ½ ACRE ACCOMPLISHED USING HOSE AND SPRINKLER



IRRIGATION UP TO ½ ACRE BY HOSE AND SPRINKLER & PRESSURIZED IRRIGATION SYSTEM