



June 12, 2014

Mr. Chad Goodwin
Idaho Department of Water Resources
Northern Regional Office
7600 Mineral Drive, Ste. 100
Coeur d'Alene, ID 83815

RECEIVED
JUN 13 2014
IDWR / NORTH

RE: **Post Falls HED – Operator's Village Water Right Claim No. 95-16522**
AFFIDAVIT STATEMENT – Decommissioning of Pre-1960 Domestic Well

Dear Mr. Goodwin:

This letter is in response to your request for the decommission date of the old pre-1960 domestic/irrigation well at Avista's Post Falls HED – Operator's Village water supply system. The following information and enclosures provide documentation of the decommissioning of the older well.

The pre-1960 well was taken '**out of service**' in **early 1990**, per interviews with LaRoy Dowd, Chief Operator at Post Falls HED, and Jerry Cox, Manager of Spokane River Plant Operations for Avista Utilities. This older well was drilled prior to 1960, which replaced a cistern from the original 1922 water supply system (see Exhibit A). The pre-1960 well depth (122') was recorded on a 1964 Pump Replacement - Installation Report from Dickerson Machinery Co., Inc. (Aug. 12, 1964), when the old Peerless Pump for this well was replaced with a new Reda Pump, Model No. 52134 (see Exhibit B).

In 1984, the domestic water supply provided from the pre-1960 well was replaced with water from a new 203' well (see Exhibit C), due to giardia contamination in the pre-1960 well. From 1984 through 1989 (5+ yrs.), the pre-1960 well continued to be used for irrigation water supply for lawn and gardens as established under the historic water use for the facility. Documentation of the giardia contamination in the pre-1960 well, along with continued irrigation use from that well was recorded on page 2 of the Feb. 3, 1989 Proof of Beneficial Use Report for Water Right No. 95-8432, signed by Fred Shiosaki, Manager of the Idaho State Department of Water Resources (see Exhibit D). In early 1990, when the pre-1960 well was put out of service, the irrigation water service was switched over to the 1984 well system.

In February 1996, an inspection of the older well showed 64.5' had caved in (see Exhibit E). By 1996, the older well had already been out of service for six years. Due to its age, extensive damage and giardia contamination, the **pre-1960 well was decommissioned in 1996.**

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As of the date of this letter, the 1984 well system continues to provide the domestic water supply, including irrigation and fire protection water supply for the Post Falls HED Operator's Village and Powerhouse under Water Right Claim 95-16522 and Water Right License 95-8432.

If I can be of further assistance, please contact me at (509) 495-2571 or (509) 690-7333 (cell).

Sincerely,



Linda Kiefer, Environmental Resource Specialist
Office of Environmental Affairs, MSC - 1
Avista Corporation

cc: Jerry Cox, Avista
LaRoy Dowd, Avista

Enclosures:

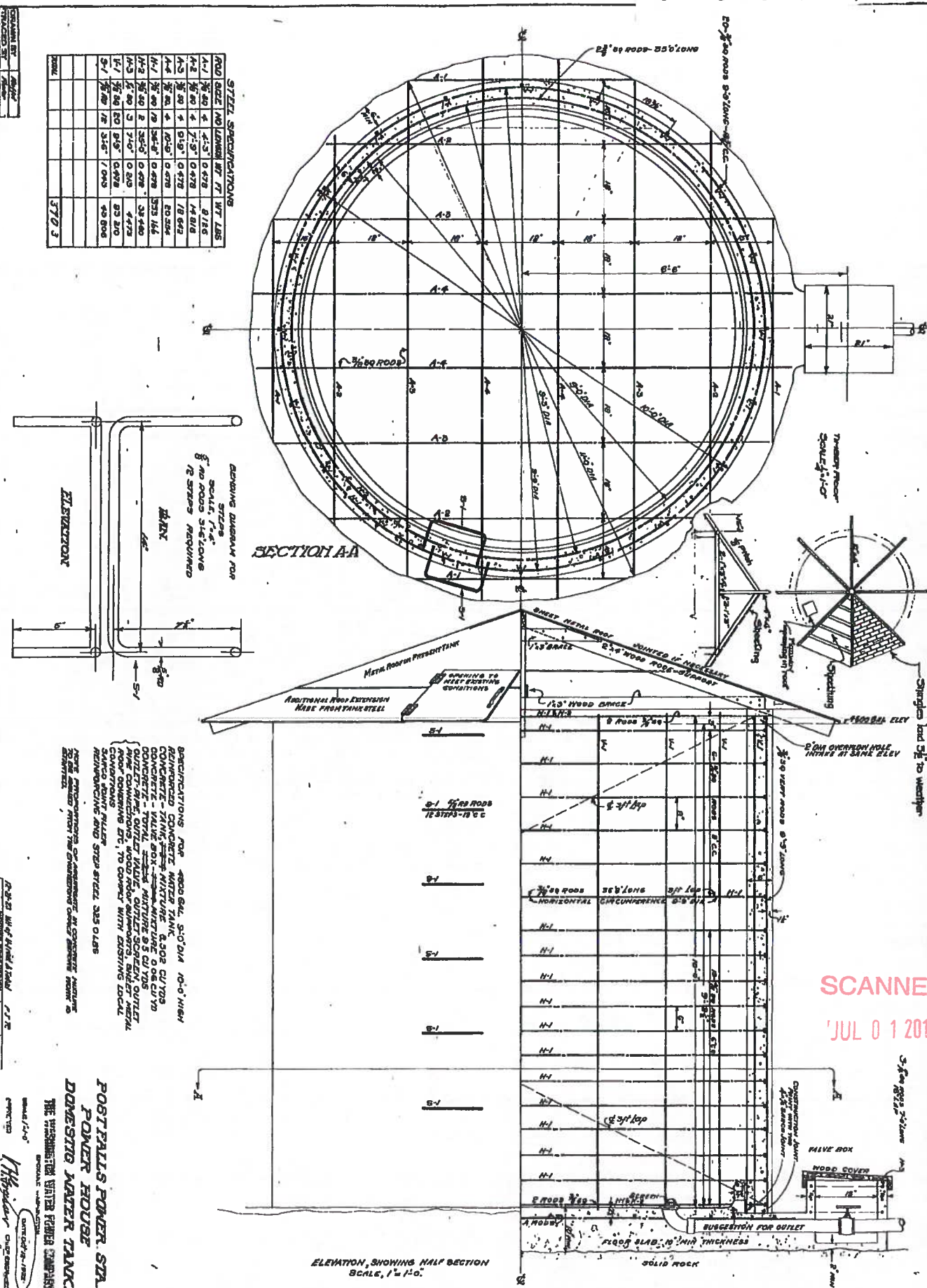
- Exhibit A: 10-12-1922 Diagram of Post Falls Power Station – Domestic Water Tank.
- Exhibit B: 8-12-1964 Pump Replacement Report from Dickerson Machinery Co.
- Exhibit C: 3-27-1984 WWP Well Log Report, recorded 6/28/1984 by ID WR.
- Exhibit D: 2-3-1989 Proof of Beneficial Use Report for 95-8432, recorded 6/15/1989 by ID WR.
- Exhibit E: Feb. 1996 Drawing of Post Falls HED - Old Irrigation Well cave-in.

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EXHIBIT A:

10-12-1922 DIAGRAM
OF POST FALLS HED-
DOMESTIC WATER SYSTEM



PUMPS

Installation Report

DICKERSON MACHINERY COMPANY, INC.
SPOKANE, WASHINGTON

DATE 8-12-64 1964

Post Falls HED - (PRE-1960)
Operators Village Well
IRRIGATION

EXHIBIT B!

8-12-1964 Pump
Replacement Report

50 GPM For PRE-1960 Well

water right

95-16522 and

95-8432

WELL DATA

CUSTOMER'S NAME W.W. P. Co. Dan
WELL LOCATION (Post Falls)
OPERATORS VILLAGE WELL NO. 1
Depth 122' Where } Casing Top? X
From } Ground Level?
Size 4' Amount of Casing
Driller
Date Drilled 106 Standing Water Level
Size Reductions Where?
CREW: ORVIS & WOOD

ADDRESS
Pump House X Pit Open Other
Water: Clear Sandy Rusty
Other
OTHER FACTS:

OUR A-FRAME: Long 9 Short Other
CRANE: Furnished by:

NEW PUMP DATA

Make Reda Model 52134 Type
Size 13D 33E Ser. No. 39C 15
MOTOR: Make Reda H.P. 5 Phase 3 Speed 3450
Model 664-39C15 Ser. No. 230
Frame 16 Amps 230 Volts Ratchet? No
Tank Size Where?
Air Line Length Size
Probe Control Setting: Upper Color
(Ft. from top of casing) Lower Color
Size of Shaft, Tube or Cable 10-3JC Ft. 110
Feet of Drop Pipe or Column 113 Size 2" galv.
Length of Unit 6 1/2' Tailpipe: Ft. Size
Strainer Size Type Length TOTAL SETTING 119 1/2'
Type Lube: Auto Man. Oil Water

OLD PUMP AND REPAIR PUMP DATA

Make Peerless Model 8-1 head Type Hi Lift
Size 5 2 Ser. No.
MOTOR: Make J. S. H.P. 7 1/2 Phase 3 Speed 1800
Model 211719 Ser. No. 211719
Frame 24-4 Amps 20/10 Volts 115/230 Ratchet?
Tank Size Res. Switch Set Where?
Air Line Length Size
Probe Control Setting: Upper Color
(Ft. from top of casing) Lower Color
Size of Shaft, Tube or Cable 1" OLS Ft.
Feet of Drop Pipe or Column 3" Size
Length of Unit 9 1/2' Tailpipe: Ft. Size
Strainer Size 3 Type FV Length 1/2 TOTAL SETTING
Type Lube: Auto Man. Oil Water X
Date Original Installation By W.W.P. Co.

REMARKS:

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1. WELL OWNER

Name Washington Water Power

Address P.O. Box 3727 Spokane, Washington

Owner's Permit No. 95-84-N-24

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☒ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other

Thickness		Diameter		From	To
<u>.250</u>	inches	<u>6</u>	inches +	<u>2</u>	feet <u>80.5</u> feet
<u>cls 180</u>	inches	<u>4</u>	inches	<u>60</u>	feet <u>200</u> feet
_____	inches	_____	inches	_____	feet _____ feet
_____	inches	_____	inches	_____	feet _____ feet

Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☒ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation 7/16 inches by _____ inches

Number	From	To
129	10	200

Well screen installed? ☐ Yes ☒ No

Manufacturer's name

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Sat from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel

Placed from _____ feet to _____ feet

Surface seal depth 20 Material used in seal: ☐ Cement grout

☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☒ Temp. surface casing

Method of joining casing: ☐ Threaded ☒ Welded ☒ Solvent

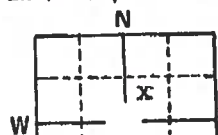
Weld

☐ Cemented between strata

Describe access port well cap

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name

7. WATER LEVEL

Static water level 95
Flowing? ☐ Yes ☒ No
Artesian closed-in pressure _____
Controlled by: ☐ Valve _____
Temperature _____ of. Q
Describe artesian or test

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Air ☒ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
48	195	4

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
8	1	25	heavy gravel		X
6	25	78	sand & pea gravel		X
6	78	92	soft gray granite		X
6	92	116	hard gray ""		X
6	116	132	soft brn granite	X	
6	132	136	" white "	X	
6	136	144	med hard "	X	
6	144	152	" " brown granite	X	
6	152	170	" " gray "	X	
6	170	185	soft " "	X	
6	185	203	hard gray "		X

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JUN 28 1984

Department of Water Resources

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10.

Work started 3-23-84 finished 3-27-84

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Bronson Water Wells Firm No. 360

Address: Box 1, Sinsmit, Toloos, TN 37155, U.S.A.

Form 217
03/86

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FEB 08 1989

EXHIBIT 1

2-3-1989
PROOF OF BENEFICIAL
USE REPORT

For Office Use Only
Fee Received 150.00
Date 2/9/89
Receipt # 0005451
Receipt by CP
Reviewed by GE
Sent to region 9

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

Department of Water Resources

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

Permit No. 95-08432 ✓

Name(s) of Permit Holder: The Washington Water Power Company ✓

Post Office Address: E. 1411 Mission Ave., P.O. Box 3727, Spokane, WA 99220 ✓

Attn: Environment, Safety and Health Dept. Telephone No. (509) 489-0500

Source of Water: Groundwater ✓

Extent of Use: * See statement on reverse side.

Domestic * 5 (number of households) Stockwater _____ (number and type of stock)
Irrigation * 1 (acres) Other/Remark _____

Total rate and/or volume for which proof is submitted 0.07 cfs _____ acre-foot

Show the date water was first diverted and beneficially used under this permit: May 1, 1985 ✓

Measuring Device: Required? Yes X No Fee enclosed \$ 50.00 (Check No. 164196)
Installed? Yes X No (See License Examination Fee Schedule)

Flow Measurement Port: Required? Yes X No Pressure valve might be adaptable to this
Installed? Yes X No purpose.

Person to contact to accompany the Department representative during the field examination:

Mr. Bob Choate (509) 482-4870
(Name) (Telephone Number)

Same as Permit Holder
(Address)

The above information is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho.

February 3, 1989
Date

Fred Shiosaki Fred Shiosaki, Manager, E.S. & H.
Signature of Permit Holder (and title, if appropriate)

JUN 15 1989

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The well, as built, is about 200 feet deep and is equipped with a three-phase, three horsepower pump which delivers 28 gpm (0.07 cfs) at capacity. The well serves potable water to three single family residences, a hydroelectric powerhouse, and up to two temporary residences, as needed. This well has replaced domestic service from a giardia contaminated well which remains in service for lawn and garden use.

11/4/2011

Per discussion with LaRoy Downs, the iron well was ^{no longer} used for a short time after 1989, and then all use was transferred to well with good water (new 1984 well completed 3/27/1984).

A. Huf

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JUN 15 1989

Post Falls

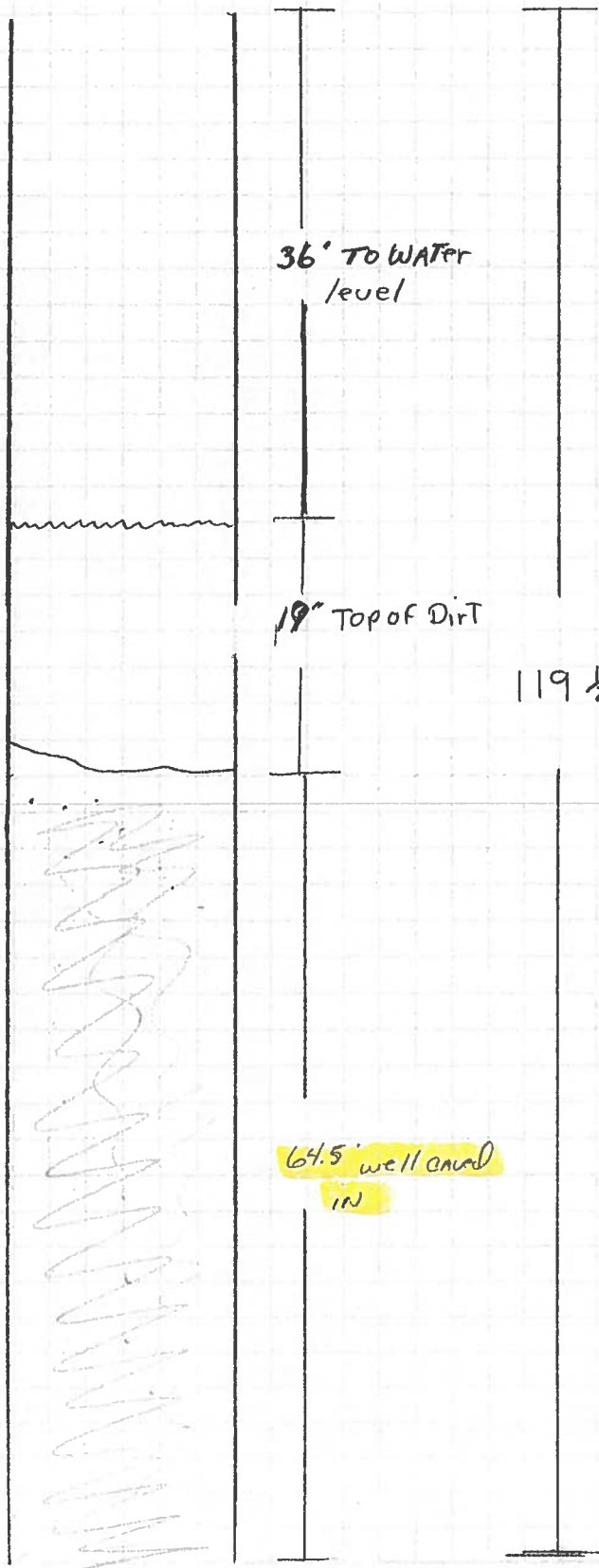
FEB 1996

OLD IRRIGATION well CAVED in

February or 1996

EXHIBIT E:

1996 DRAWING
OF POST FALLS HED-
OLD IRRIGATION WELL
(Pre-1960) CAVE-IN



119 1/2 Top of well CASING TO
Bottom of pump

upper tank not in use when
this well caved in

64.5' well caved
in

Play

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