

State of Idaho

DEPARTMENT OF WATER RESOURCES

1341 Fillmore Street, Suite 200, Twin Falls ID 83301-3380 Phone: (208) 736-3033 FAX: (208) 736-3037

SOUTHERN REGION

DIRK KEMPTHORNE Governor KARL J. DREHER

Director

July 18, 2005

David Funk 3040 N 3800 E Hansen, ID 83334 CERTIFIED MAIL

Re: Measuring Device Certification

Dear Mr. Funk,

On June 4, 2003, the Idaho Department of Water Resources ("IDWR") issued an order requiring installation of measuring devices and lockable controlling works on diversions from Rock Creek.

On July 12, 2005 IDWR employees, Troy Winward and Corbin Knowles, measured the flow on the "Funk Spud Cellar Diversion" (site tag A0004165) with IDWR's certified Fuji Ultrasonic Flow meter as requested by the watermaster of Water District 47-O. The shunt meter that is currently installed at the site (Master Meter SLV8") measured 46% below the IDWR certified flow meter measurement. Thus, the meter does not meet IDWR's accuracy standard of $\pm 10\%$ of certified meter reading. The measurement of the diversion must be remedied by August 18, 2005.

Pursuant to Section 42-701, Idaho Code, users who neglect to comply with any provision of Department orders requiring installation of measuring devices and lockable controlling works may be subject to the administrative enforcement actions provided by Section 42-1701B, Idaho code. Enforcement actions may include the issuance of Notices of Violation and Cease and Desist Orders, as well as possible civil penalties.

Enclosed is a copy of the order requiring measurement devices and lockable controlling works on diversions from Rock Creek and a copy of IDWR's standards for open channel and closed conduit measurement devices. Measurement devices must meet IDWR's standards. An impeller or propeller type meter may be the most economical meter replacement, however there may be other measurement options including open channel measurement devices (e.g. flume or weir) depending upon diversion characteristics. Please contact Corbin Knowles or myself at 208-736-3033 if you have any questions regarding potential measurement options.

Sincerely,

Troy Winward E.I.T., Southern Region Water Distribution

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided) 51.85 HAMSEN, ID 83334 3960 UNIT ID: 0372 7 1 1 1 Postage 3(2)30 Certified Fee 75.75 Postmark Return Receipt Fee (Endorsement Required) Clerk: KKHYD Restricted Delivery Fee (Endorsement Required) 07/18/05 0460 Total Postage & Fees Sent To 7002 Street, Apt. No.; or PO Box No. 3800E City, State, ZIP+ 4 ID 83334

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
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item 4 if Restricted Delivery is desired. Print your name and address on the reverse	X Adval - Addressee
so that we can return the card to you. Attach this card to the back of the mailpiece,	B. Received by (Printed Name) C. Date of Delivery
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1. Article Addressed to:	D. Is delivery address different from item 1? If YES, enter delivery address below: No
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3040 N 3800 E	
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TWIN FALLS, ID 83301-3380	

ADDOYLES Fund Rakcieck

OUTER DIAMETER 8.0098 IN

PIPE MATERIAL 7 CS.SS

WALL THICKNESS 0.1098 IN

INNER LIMING ? NO LING.

SPACING 5.810 IN V

0296.8 MMSEC 101.96 % TO

07-12 10:2600 *R +002.60 % AI2

10:35+799.648E 0GPM 00R + 5.383E 0FPS 00R +00000 *G 00R -00000 *G 00R

10:36+776.665E 0GPM 00R + 5.229E 0FPS 00R +00787 *6 00R -00000 *6 00R

10:37+790.402E 0GPM 00R + 5,321E 0FPS 00R +01575 *G 00R -00000 *G 00R

10:38+770.325E 0GPM 00R + 5:187E 0FPS 00R +02368 *G 00R -00000 *G 00R

10:39+833.198E 0GPM 00R + 5.610E 0FPS 00R +03164 *G 00R -00000 *G 00R

10:40+739.153E 0GPM 00R + 4.977E 0FPS 00R +03970 *G 00R -00000 *G 00R

10:41+772.439E 06PM 00R + 5.200E 0FPS 00R +04738 *6 00R -00000 *6 00R

10:42+781.685E 0GPM 00R + 5.262E 0FPS 00R +05511 *6 00R -00000 *6 00R

10:43+813.385E 0GPM 00R + 5.475E 0FPS 00R +06328 *G 00R -00000 *G 00R

10:44+819.197E 0GPM 00R + 5.515E 0FPS 00R +07100 *6 00R -00000 *6 00R

10:45+821.046E 06PM 00R + 5.528E 0FPS 00R +07899 *6 00R -00000 *6 00R

10:46+780.629E 0GPM 00R + 5.255E 0FPS 00R +08687 *G 00R -00000 *G 00R

IDAHO DEPARTMENT OF WATER RESOURCES Water Measurement Program

WATER MEASURING DEVICE CERTIFICATION

(Revised 7/2002)

District			
Diversion Name			
Inventory Date	Test Date		
Inventory Examiner	Person performing test		
PCC o.k.? ☐ Yes ☐ No	Exam complete? □ Yes □ No		
Water Right No.: Legal Description: TR Site Tag No.:	Sec		
Current Owner			
Name David Funk	Phone		
Address 3040 N 3800 E	Cell		
City Uzhiser St Tb Zip 83334	E-mail		
Operator (if leased or operated by person of	ther than owner)		
Name	Phone		
Address			
CitySt Zip			
SECTION 1 – Well Site Identification			
Global Positioning System Data:			
Data Collection Filename	Offset		
IDWR Site Tag Identification No.			
Site Tag Location description:			
PLS/USGS LOCATOR			
For Department/District Use Only			
Reviewed by Date			
Data Entry By Date			

SECTION II – Installed Meter Information

	VICTED AND MOUNTIN	NG PIPE INFORMATIO	ìN	
METER AND MOUNTING PIPE INFORMATION				
Motor HP	15	Volume units	Acre-Feet (Gallons) Other (specify)	
Meter Install Date		Volume multiplier	XIIO	
Manufacturer	MASTER Mets Shut SLV8"	Installation location	☐ Excel	
Meter Type	Shut	Pipe material	(5	
Meter Model	1660 8"	Outside diameter	8.05	
Serial Number	15/8/02	Wall thickness	1110	
Size (nominal)	Sir	Inside diameter		
Measure Flow Rate?	Ø-Yes □ No	Amount of straight pipe upstream from meter	Inches Pipe Lengths	
Measurement Units	☐ CFS ☐ GPM Other (specify)	Amount of straight pipe downstream from meter	Inches Pipe Lengths	
Flow Rate Multiplier	X1	Standard Meter Type	⊠Ŝonic □Pyg □Collins □Hall □Anub □Dye/chem □Other	
Measure Cumulative Volume?	⊈ Yes □ No	Standard Meter Confidence	Excellent 2% Good 5% Fair 10% Poor > 10%	
If yes, how many?(Attach separate for Multiple Wells	used to measure diversions m for each meter checked a	nd/or calibrated.)	s □ No of other wells:	

SECTION III - Certification for Calibration of a Water Measurement Meter

Measurement No. 1 (M_1) is the measured rate of flow from the permanently installed flow meter.

Measurement No. 2 (M₂) is the measured rate of flow from the measuring device being used to check the flow for the calibration. This method or device must be accurate to within \pm 5% error. Describe below the method and equipment used to perform this measurement.

Percent Difference = $(M_1 - M_2) \div M_2 \times 100 = \pm \%$ (Acceptable is within $\pm 10\%$)	(equation 1)
Calibration Multiplier = $M_2 \div M_1$	(equation 2)
Is flowmeter installed according to manufacturer's specifications? Describe any apparent problems with installation or operation	
Flowmeter accuracy prior to any adjustments: Totalizer reading	
Flowmeter accuracy after final adjustment: Totalizer reading	
Flowmeter calibration multiplier:	

FLOWMETER ACCURACY CALIBRATION TABLE							
Installed meter (totalizer reading)	Time	Total Gallons	Average Flow Rate GPM (M₁)	Standard total gallons	Average Flow Rate GPM (M ₂)	% diff. (±)	Comments and adjustments
289703	STAKT	5000	427.35	7899	789.7	-45,89	
28970B	il.70						
Notes – Comments – Calculations:							

WATER LEVEL DATA							
Does the well have access to measure water levels? ~ Yes ~ No (check one)							
Is this well part of USGS, IDV	/R, or anoth	er network of water level mo	nitoring wells? ~ Yes ~ No	(check or			
Static Water Level Date	ft	Pumping Water Level Date	ft (at condition)			
The state of the s		TO A STATE OF THE	gament of the state of the stat				
Sketch and/or photograph	of installati	on:					
I certify that the above inform measurements taken and rec equipment used.	nation is true corded are i	and correct to the best of maccordance with the standa	y knowledge and ability and ards and specifications of the	the			
Signature			Date				

(person performing measurements)