



State of Idaho

**DEPARTMENT OF WATER RESOURCES**

322 East Front Street, P.O. Box 83720, Boise, ID 83720-0098

Phone: (208) 287-4800 Fax: (208) 287-6700 Web Site: [www.idwr.idaho.gov](http://www.idwr.idaho.gov).

June 28, 2007

JAMES E. RISCH  
Governor

KARL J. DREHER  
Director

Mark A. Young  
Idaho Division of Aeronautics  
Idaho Transportation Department  
P.O. Box 7129  
Boise, ID 83707-1129

**RE: Plan for Measuring Device and Control Works, WR# 71-60C/71-62C**

Dear Mr. Young:

The Department received your letter dated March 22, 2007 describing plans to comply with a February 20, 2007 order requiring controlling works and measuring devices in Water District No. 170. Thank you for your submittal. Your letter describes plans for two points of diversion for water rights 71-60C and 71-62C (S46B1 and S46C). Note that Appendix A of the February 20, 2007 order requiring controlling works and measuring devices in Water District No. 170 listed a third diversion (S46D) associated with these two water rights. However, this appears to have been an error in the IDWR database since the partial decrees issued by the Snake River Basin Adjudication Court for water rights 71-60C and 71-62C only describe two points of diversion for each right. The error has been corrected in our database and no further action is needed on your part regarding diversion S46D.

The proposed plans for the two points of diversion are acceptable to IDWR. However, it has been our experience that propeller type flow meters tend to have short life spans, suffer mechanical degradation, and require maintenance and frequent calibration, especially in situations where users might pump vegetation, sediment, or other debris. In other parts of the state, we have begun requiring users to install magnetic type flow meters that are much more durable and tend to have few problems. While the magnetic type flow meters tend to sell in the two- to three- thousand dollar range, our experience indicates there is a long-term savings due to the longevity of the meter compared with propeller type meters. Additionally, the magnetic meters require 110/220 VAC to operate. Although it may be possible to power the meter from the diesel pump, the power requirement may be a consideration for your situation.

Again, the proposed plans are acceptable to IDWR, and we do not require magnetic meters in Water District No. 170 at this time. However, our experience indicates magnetic type meters are worth considering. I have attached a short list of manufacturers of controlling works and measuring devices, including a list of manufacturers and distributors of inline flow meters. Please note that this is not a complete list, and IDWR does not endorse any particular manufacturer or distributor, but this list can be a good starting point to find out more about magnetic meters if you choose to do so.


Mr. Mark A. Young

June 28, 2007

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Please contact IDWR when your meter is installed so we can schedule a site visit to calibrate the meter and measure the flow rate of the portable pump. If you have any further questions, please feel free to contact me at 208-287-4956.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Miller", written over a light blue horizontal line.

Nick Miller, P.E.

Water Distribution Section

Enclosures:

Listing of manufacturers – 5 pages

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## Manufacturers/Distributors of Headgates:



### GNI Waterman LLC,

25500 Road 204  
Exeter, California 93221  
PO Box 458  
Phone: 559-562-4000  
Toll Free: 800-331-0808  
Fax: (559) 562-2277  
Email: [sales@watermanusa.com](mailto:sales@watermanusa.com)  
[www.watermanusa.com](http://www.watermanusa.com)



### A-M VALVE COMPANY LLC

7425 W Sunnyview Ave  
Visalia, CA 93291  
Phone: 559-651-2066  
Toll Free: 866-462-8700  
Fax: 559-651-2065  
Email: [sales@amvalve.com](mailto:sales@amvalve.com)  
Email: [support@amvalve.com](mailto:support@amvalve.com)  
Email: [info@amvalve.com](mailto:info@amvalve.com)  
[www.amvalve.com](http://www.amvalve.com)



### Valves & Castings, Inc. Fresno Valves & Castings, Inc.

7736 East Springfield Avenue  
P.O. Box 40  
Selma, CA 93662  
Phone: 800-333-1658  
Fax: 559-834-2017  
e-mail: [info@fresnovalves.com](mailto:info@fresnovalves.com)  
[www.fresnovalves.com](http://www.fresnovalves.com)

### Local Warehouse:

211 Bridon Way  
Jerome, ID 83338-6143  
Phone: 208-324-2963

## **Manufacturers/Distributors of Headgates (cont'd):**

### Contech Construction Products – Steel fabrication

1510 W Sunnyside Rd  
Idaho Falls, ID 83402-4357  
Phone: 208-522-1713

### Irrigation Centers - They can fabricate steel gates, weirs, and flumes.

410 S Front St  
Arco, ID 83213  
Phone: 208-527-3075

### Amcor – Concrete applications

2240 S Yellowstone  
Idaho Falls, ID 83402-4323  
Phone: 208-522-6150

## **Manufacturers of Flumes and Weirs:**

### Irrigation Centers - Fabrication and sales of steel gates, weirs, and flumes.

410 S Front St  
Arco, ID 83213  
Phone: 208-527-3075



### Intermountain Environmental Inc.

601 West 1700 South, Suite B  
Logan, UT 84321  
Phone: 435-755-0774  
Toll Free: 800-948-6236  
Fax: 435-755-0794  
Email: [info@inmtn.com](mailto:info@inmtn.com)  
[www.inmtn.com](http://www.inmtn.com)



### Plasti-Fab, Inc. – Plastic flumes

PO Box 100  
Tualatin, Oregon  
97062-0100  
Phone: 503-692-5460  
Fax: 503-692-1145  
Email: [sales@plasti-fab.com](mailto:sales@plasti-fab.com)  
<http://www.plasti-fab.com/flumes/flumes.html>

## **Manufacturers of Flumes and Weirs (Cont'd):**

Honkers Supreme – Goose Decoys, but can manufacture fiberglass flumes  
317 Addison Ave W  
Twin Falls, ID 83301-5003  
Phone: 208-734-2060

## **Distributors of Inline Flow meters:**

Rust Automation & Controls  
8070 South 1300 West  
PO Box 367  
West Jordan, UT 84084  
Phone: 801-566-7878  
Fax: 801-566-9260

Irrigation Components Northwest  
5902 Oakesdale Road  
Oakesdale, WA 99158  
Phone 1: 509-991-2365  
Phone 2: 509-285-5403  
Fax: 509-285-5403  
Email: [kenhanson@palousenet.com](mailto:kenhanson@palousenet.com)

Western Engineering  
4306 South Main St.  
Salt Lake City, UT 84107-2600  
Phone: 801-268-3333  
Fax: 801-268-3358  
Email: [office@WEngineering.com](mailto:office@WEngineering.com)  
[www.WEngineering.com](http://www.WEngineering.com)

Controls Warehouse  
356 Cypress Road  
Ocala, FL 34472  
Phone: 352-687-0351  
Toll Free: 800-321-6056  
Fax: 352-687-8925  
Email: [sales@controlwarehouse.com](mailto:sales@controlwarehouse.com)  
[www.controlwarehouse.com/waste.htm](http://www.controlwarehouse.com/waste.htm)

## Distributors of Inline Flow meters (Cont'd):

### Daniel L. Jerman Co.

275 Railroad Place  
Hackensack, NJ 07601  
Phone: 800-654-3733  
Fax: 201-487-3953  
Email: [sales@watermeters.com](mailto:sales@watermeters.com)  
[www.watermeters.com](http://www.watermeters.com)

### Mountain States Instruments

3620 West 2100 South  
Salt Lake City, UT 84044  
Phone: 801-521-8045  
Fax: 801-521-8043  
E-mail: [kima@iwestco.com](mailto:kima@iwestco.com)  
[www.msinst.com](http://www.msinst.com)

### Branom Instrument Co

4090 W State St SUITE Unit 28  
Boise, ID 83703-4445  
Phone: 208-336-5444

## Manufacturers of Inline Flow meters:



McCrometer, Inc.

3255 W. Stetson Ave.  
Hemet, California 92545  
Phone: 951-652-6811  
Toll Free: 800-220-2279  
Fax: 951-652-3078  
[www.mccrometer.com](http://www.mccrometer.com)



ABB Automation

Customer Support  
Toll Free: 800-435-7365 or 800-HELP-365  
Fax: 440-585-5087  
<http://www.abb.us>



Dynasonics

(Distributed by Mountain States Instruments – See above)  
<http://www.dynasonics.com>

## Manufacturers of Inline Flow meters (Cont'd):



**BadgerMeter, Inc.**

Badger Meter, Inc.

(Distributed by Rust Automation & Controls – See above)

P.O. Box 245036

Milwaukee, WI 53224-9536

Phone: 877-243-1010

Email: [flow@badgermeter.com](mailto:flow@badgermeter.com)

**SIEMENS** Siemens

(Distributed by Branom Instrument Co – See above)

[www.siemens.com](http://www.siemens.com)



Seametrics, Inc

(Distributed by Irrigation Components Northwest – See above)

(Distributed by Western Engineering – See above)

19026 72nd Ave South

Kent, WA 98032

Phone: 253-872-0284

Toll Free: 800-975-8153

Fax: 253-872-0285

Email: [info@seametrics.com](mailto:info@seametrics.com)