



Idaho Department of Water Resources

# REQUEST FOR VARIANCE: IDWR REQUIRED FLOW METER MINIMUM SPACING

The existing minimum flow meter spacing requirement is: no flow disturbers within three (3) pipe diameters upstream and two (2) pipe diameters downstream as measured from the center of the magnetic or spooled ultrasonic flow meter. **A spacing variance will only be considered for systems previously evaluated by either the local Ground Water District or Water District and determined to not have adequate straight pipe section(s) to meet the minimum spacing requirement. Complete one form for each affected well.**

## SECTION I: SITE DETAILS

1. Owner/Operator			2. Well Name		
3. IDWR Site Tag No.	4. Legal Description:	4a. Township	4b. Range	4c. Section	5. Ground Water District
6. Reporting District (ground water district, irrigation district, or other entity)					

## SECTION II: CONDITIONS FOR POSSIBLE VARIANCE

Variance from the existing installation requirement may be considered if: (choose only one scenario)

<input type="checkbox"/>	7. The meter manufacturer specifications support meter accuracy of at least plus or minus five percent (+/-5%) in the proposed field installation location. <b>Required:</b> Submit a copy of or reference to the manufacturer specification(s) guaranteeing the meter will achieve an accuracy of +/- 5% in the proposed field installation location.
<input type="checkbox"/>	8. Field testing of the installed meter confirms accuracy of at least plus or minus five percent (+/-5%). <b>Required:</b> Submit a proposed plan and system location for testing accuracy of the meter after installation. (Note: portable meters used for flow testing typically require 10-pipe diameters upstream and 5-pipe diameters downstream)

## SECTION III: FLOW METER DETAILS

9. Have you consulted with your local Ground Water District or Water District and fully evaluated locations that might provide adequate space to accommodate a properly installed flow meter?		<input type="checkbox"/> Yes (complete 9a – 9d)
		<input type="checkbox"/> No (consult with your local GWD or WD before submitting this form)
9a. District Representative Name		9b. District Name
9c. District Representative Phone Number		9d. District Representative Email
10. Can the flow meter be installed on an underground mainline?		<input type="checkbox"/> Yes <input type="checkbox"/> No
11. Can the flow meter be installed in a vertical orientation in a “gooseneck” configuration? (This option may require pipe system modification)		<input type="checkbox"/> Yes <input type="checkbox"/> No
12. Can multiple meters be installed on distribution lines away from the pump discharge assembly?		<input type="checkbox"/> Yes <input type="checkbox"/> No
13. Is a flow meter currently installed on your well? Provide details of the existing or proposed meter, see 13a – 13e.		<input type="checkbox"/> Yes <input type="checkbox"/> No
13a. Meter Type (magnetic or ultra-sonic)	13b. Meter Manufacturer	13c. Meter Model

13d. Meter Installation Date	13e. Is the meter operable? <input type="checkbox"/> Yes <input type="checkbox"/> No
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**SECTION VI: SYSTEM DIAGRAMS AND MAPS (Required for all variance requests)**

Attach a system description which includes diagrams or photographs of the piping system between the well head and the point where the mainline splits, pipe diameters, fitting descriptions, and distances between disturbers, including pump discharges, valves, chemigation ports, elbows, and/or tees.

If a flow meter is not currently installed, provide a description of the location on the system where you propose to install the flow meter.

**SECTION VII: APPLICANT SIGNATURE AND CONTACT INFORMATION**

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Signature	Print Name	Title (if applicable)
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Email Address	Date
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Return this completed and signed form to:

IDWR Water Distribution Section  
PO Box 83720  
Boise, ID 83720-0098

**This request must be approved by IDWR before you may use an alternate meter location.**