

Meter Installation Information Sheet

Meters installed as a requirement of this order have to be installed with the correct amount of unobstructed flow upstream and downstream of the meter sensor. Currently, in all cases the meter must be installed with a minimum of 5 pipe diameters upstream and 2 pipe diameters downstream of any obstruction (*pumps, elbows, cooling coils, collection pots, check valves, flap valves etc...*) See the following table:

Type of Obstruction	Required Distance to the Flow Sensor from Obstruction					
	6" Meter(Diameter)		8" Meter		10" Meter	
Jetting and Non Jetting Obstruction (5 and 2)	Upstream	Downstream	Upstream	Downstream	Upstream	Downstream
		30"	12"	40"	16"	50"

Your particular meter installation may have special requirements. If you intend to use a form of measuring water use other than a flowmeter, please contact your respective field office to discuss your options, as a waiver may be necessary. You can contact the Garden City Field Office at 620-276-2901 or the Stafford Field Office at 620-234-5311.

Recommended: 10 pipe diameters upstream of the meter is best for increased accuracy and flowmeter life

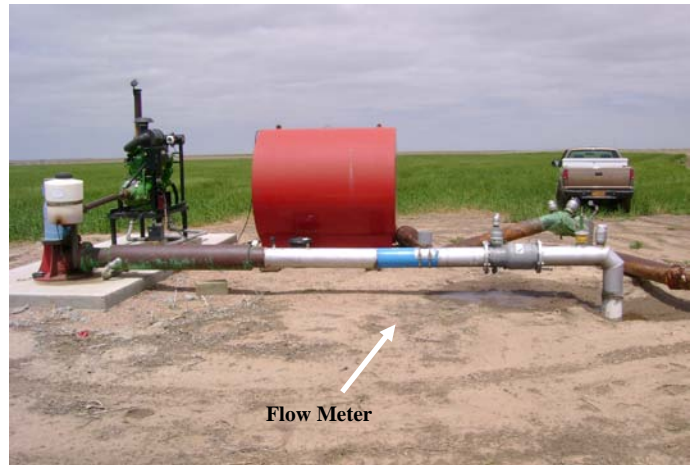
Important: All new meter installations must be installed in a **manufacturer approved measuring chamber** with **straightening vanes**.

Note: Staff from the Kansas Department of Agriculture, Division of Water Resources will be out to check all the surface water pump sites required to be metered as a result of this order. If the meter was not installed correctly you may be required to reinstall the meter so that it does meet regulations.

Meters put in prior to the date of this order will be handled on a case by case basis based on regulations that were in place at the time of installation.



Unacceptable Meter Installation



Acceptable Meter Installation

Division of Water Resources
109 SW 9th Street, 2nd Floor
Topeka, Kansas 66612-1283



phone: (785) 296-3717
fax: (785) 296-1176
www.ksda.gov/dwr

Dale A. Rodman, Acting Secretary
David W. Barfield, Chief Engineer

Kansas Department of Agriculture

Sam Brownback, Governor

February 3, 2011



Re: Meter Order
File No(s). 

Dear Sir/Madam:

Enclosed is an Order requiring that the owners of the referenced files install water flowmeters on the authorized point(s) of diversion by December 31, 2011. Water right owners will be required to report metered quantities on all water diverted on or after January 1, 2012.

The enclosed Order requires your immediate attention. Please read it very carefully, as it affects your use of water as authorized by the above listed files(s) and sets forth deadlines you must meet in order to preserve your legal rights. This is the only notice you will receive prior to the meter installation.

The Chief Engineer is requiring the installation of meters on all surface water pumpsites located within the boundaries of Western Kansas Groundwater Management District No. 1, Southwest Kansas Groundwater Management District No. 3 and Big Bend Groundwater Management District No. 5 for which meters have not been previously required. The purpose of requiring the installation of meters is to facilitate the need for increased water management and to promote the efficient use of water in the area. Most areas in Kansas are already required to have meters.

The deadline for installing meters will be strictly enforced. Enforcement may include civil penalties and/or modification or suspension of the water right. Any request for an extension of time to install the required meter(s) must be made in writing to the Garden City Field Office or the Stafford Field Office at least 30 days prior to the meter installation deadline. Any extension request must state compelling reasons why additional time is needed. Please contact your field office if you have questions concerning proper meter installations.

A copy of the current meter regulations and the list of certified meters can be found online at www.ksda.gov/appropriation/content/274. A "Report of Installation of Water Flow Meter" form is enclosed. A separate Report of Installation form must be submitted for each meter that is installed to the address shown on the form, within 30 days after the meter installation. **If a meter is currently installed, the Report of Installation form must be submitted by April 1, 2011.**

It is understood that many surface water diversions in the western portions of the state are no longer in use because of a lack of water. A field visit will be made to the authorized pumpsites in order to determine whether or not a meter is installed. If no meter is found, for whatever reason, then an order will be issued requiring any diversion of water for non-domestic uses to cease until a meter is installed and the installation is verified by the field office that maintains jurisdiction in your area.

If you have any questions, please feel free to contact the Garden City Field Office at 620.276.2901. When you contact us, please refer to the referenced file number(s) and indicate you have questions regarding this meter order.

Sincerely,



Mike Meyer
Water Commissioner
Garden City Field Office

Enclosures

cc: Garden City Field Office

**KANSAS DEPARTMENT OF AGRICULTURE**

Dale A. Rodman, Acting Secretary of Agriculture

DIVISION OF WATER RESOURCES

David W. Barfield, Chief Engineer

**BEFORE THE KANSAS DEPARTMENT OF AGRICULTURE
DIVISION OF WATER RESOURCES**

IN THE MATTER OF



File No(s).

**ORDER REGARDING INSTALLATION OF WATER FLOWMETERS
ON SURFACE WATER RIGHTS WITHIN THE BOUNDARIES OF
WESTERN KANSAS GROUNDWATER MANAGEMENT DISTRICT NO. 1,
SOUTHWEST KANSAS GROUNDWATER MANAGEMENT DISTRICT NO. 3 AND
BIG BEND GROUNDWATER MANAGEMENT DISTRICT NO. 5**

The Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, under authority of Kansas Statutes Annotated (K.S.A.) 82a-701 *et seq.*, after due consideration, hereby makes the following Findings and Order:

FINDINGS OF FACT

1. Installation of totalizing water flowmeters on all surface water points of diversion located within the boundaries of Western Kansas Groundwater Management District No. 1, Southwest Kansas Groundwater Management District No. 3 and Big Bend Groundwater Management District No. 5, with the exception of those points of diversion used solely for domestic purposes or authorized by temporary permits, will provide accurate water use data to enable the Chief Engineer to manage the water resources of the State, and will enable holders of water rights to report their water use accurately and in a timely manner, as required by K.S.A. 82a-732.
2. Installation of totalizing water flowmeters on all surface water points of diversion located within the boundaries of Western Kansas Groundwater Management District No. 1, Southwest Kansas Groundwater Management District No. 3 and Big Bend Groundwater Management District No. 5, with the exception of those points of diversion used solely for domestic purposes or authorized by temporary permits, will implement elements of the Kansas Water Plan, which recommends the installation of water flowmeters on all non-domestic points of diversion by the end of calendar year 2015.
3. The points(s) of diversion authorized by the Water Right(s), Appropriation(s) of Water or Term Permit(s) identified above is/are within the boundaries of Western Kansas Groundwater Management District No. 1, Southwest Kansas Groundwater Management District No. 3 and Big Bend Groundwater Management District No. 5 and is/are not used solely for domestic purposes or authorized by a temporary permit(s).

CONCLUSIONS OF LAW

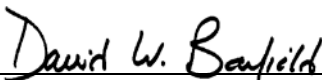
4. The Chief Engineer is required to control, conserve, regulate, allot, and aid in the distribution of the water resources of the State pursuant to K.S.A. 82a-706.
5. The Chief Engineer is authorized, pursuant to K.S.A. 82a-706c, to require the installation of water flowmeters and has adopted minimum specifications for such meters. K.S.A. 82a-706c also authorizes the Chief Engineer to require water users to report the reading of such meters at reasonable intervals.

ORDER

NOW, THEREFORE, it is the decision and order of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture:

6. That the owner of the Water Right(s), Appropriation(s) of Water or Term Permit(s) identified in this order shall install a totalizing water flowmeter which meets or exceeds specifications adopted by the Chief Engineer on each authorized point of diversion no later than **December 31, 2011**.
7. The totalizing water flowmeter shall be maintained in operating condition satisfactory to the Chief Engineer as set forth in K.A.R. 5-1-8.
8. The owner of the Water Right(s), Appropriation(s) of Water or Term Permit(s) shall notify the Chief Engineer, in writing, within 30 days of completion of the meter installation required under this order. Such notice shall be provided on a Report of Installation of Flowmeter form obtained from the Division of Water Resources.
9. If a water flowmeter was installed on any point of diversion included within this order prior to the date of this order, the owner shall notify the Chief Engineer, in writing, by **April 1, 2011**. Such notice shall be provided on a Report of Installation of Flowmeter form obtained from the Division of Water Resources. Any water flowmeter installed prior to this order, installed according to specifications at the time of the installation and maintained in accordance with those specifications, shall be considered in compliance with this order unless the meter's accuracy is in question.
10. The owner of the Water Right(s), Appropriation(s) of Water or Term Permit(s) shall report on the annual water use report, pursuant to K.S.A. 82a-732 and K.A.R. 5-3-5e, by March 1 following the end of the calendar year in which the meter was installed, the following information:
 - A) Usage for the portion of the year in which the diversion was not metered; and
 - B) Beginning and ending meter readings for the portion of the year in which the diversion was metered.The owner shall report meter readings each subsequent year on the annual water use report thereafter.
11. The conditions of this order requiring installation, maintenance and use of water flowmeters shall become conditions of the Water Right(s), Appropriation of Water or Term Permit(s) identified in this order.
12. This is a final agency action as defined in K.S.A. 77-607(b) (2). You may pursue judicial review of this order as provided in the Kansas Act for Judicial Review (K.S.A. 77-601 *et seq.*). A petition for judicial review must be filed in a Kansas court of competent jurisdiction within 30 days after service of this order as provided in K.S.A. 77-613. The agency officer designated to receive service of a petition for judicial review on behalf of the Kansas Department of Agriculture is Chief Legal Counsel, Kansas Department of Agriculture, 109 SW 9th Street, 4th Floor, Topeka, Kansas 66612.
13. This order contains terms, conditions, and limitations imposed by the Chief Engineer on the referenced Water Rights(s), Appropriation(s) of Water or Term Permit(s). Failure to comply with the provisions of this order may result in civil penalties of up to \$1000 per day of violation and/or the modification or suspension of the water right or use of water under this water right or appropriation of water permit pursuant to K.S.A. 82a-737.
14. The Chief Engineer specifically retains jurisdiction in this matter to make such changes, additions, or deletions to this order, as he deems necessary in the public interest.

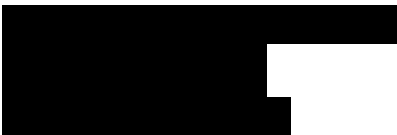
Dated at Topeka, Kansas, this 3rd day of February, 2011.

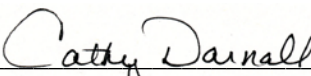


David W. Barfield, P.E.
Chief Engineer

Certificate of Service

A copy of the foregoing Order was sent by First Class mail service this 3rd day of February, 2011, to the following:





Cathy Darnall

Submit To:
KDA-DWR-Garden City Field Office
2508 Johns St.
Garden City, KS 67846-2804
www.ksda.gov/dwr/

Surface Water Right Meter Order REPORT OF INSTALLATION OF WATER FLOW METER

File No. _____

In accordance with the order or requirement of the Chief Engineer requiring installation of a flow meter, the following information is being submitted as notice that the required meter has been properly installed:

The flow meter is located in the _____ Quarter of the _____ Quarter of the _____ Quarter (or _____ feet North and _____ feet West of the Southeast corner of Section) of Section _____, Township _____, Range _____ (East/West), _____ County, Kansas. Source of Supply: Groundwater Surface Water
(Check One)

1. Meter Serial Number: _____ Date Installed: _____
month day year
2. Manufacturer of Meter: _____
3. Model Number: _____ (Obtain from manufacturer)
4. Meter Size: 6" 8" 10" Other: _____
5. Meter Type: Propeller Turbine SLV Other: _____
6. Meter Units: Gallons Acre-Feet Acre-Inches Other: _____
7. Multiplier Factor: 000 00 0 .01 .001 Other: _____
8. Beginning Meter Reading: _____

Please complete if applicable:

- Yes No Are straightening vanes installed?
- Yes No Is flow meter installed on portable pump?
- Yes No Is chemigation planned? If yes, when _____ (month/year)
- Yes No Is check valve installed? (A check valve is required for chemigation.)
If installed, when? _____ (month/year)
- Yes No Is water level measurement tube installed?
- Yes No Does the meter serve more than one point of diversion? (If yes, show diagram on back.)
- Yes No Is this a replacement meter? If yes, date meter was replaced _____
month day year
- Yes No Is the meter currently installed? Where is the meter located? (on the well, at the pivot, in the barn etc.) _____

Please Print

Name: _____

Address: _____

City, State, Zip+4 _____

Telephone: (____) _____ Owner Tenant Agent

Signature: _____
(date)