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**GLOBAL WATER RESOURCES****CODE OF PRACTICE****GWR-CP-EX-009****WATER FROM HYDRANTS/CONSTRUCTION WATER****APPLICATION**

This Code of Practice defines mandatory requirements for managing the withdrawal of water from hydrants for bulk construction water services.

**GENERAL INFORMATION**

Construction water is an important resource for the construction and development of the community. Construction water is used for a variety of construction purposes such as dust control, compacting, grading, trenching and new line extensions. Its usage must be tracked and carefully managed in order to protect the integrity of the potable system.

**DEFINITIONS**

1. Meter – a construction meter outfitted with a backflow prevention device used to track customer usage of construction water.
2. Construction water – water obtained from the potable system which usage is metered to be used for various construction activities.
3. Potable system – all components of the water system from the source of the potable water through the distribution system
4. Distribution system – all components that comprise of water pipes, reservoirs, booster pumps, hydrants and other means used to deliver drinking water to the customers
5. Water hammer – An abrupt alteration of the water flow with resultant pressure surges in the pipe which causes a hammer effect and possibly a banging noise.
6. Back pressure - The difference between the pressure within any water service and a higher pressure within any vessel or pipework to which it is connected.
7. Backflow - Flow in a direction contrary to the normal or intended direction. The unintended flow of water from a potentially polluted source into a potable water supply
8. Backflow prevention – minimizing the risks of contaminating the potable water supply. Usually referred in context as a backflow prevention program.
9. Backflow device - A device to prevent backflow. There are a number of different devices including a reduced pressure device, air gap and a double check valve.
10. Backsiphonage – condition that occurs when the water supply pressure falls below atmospheric pressure.
11. Contaminant - Any solid, liquid or gas with potential to enter or pollute the potable water supply.
12. Cross Connection - Any connection or arrangements between the potable water supply system connected to the water main and any fixture, which may under certain conditions enable non-drinking water or other substances to enter the drinking water supply system.

**PURCHASED WATER**

- A customer shall obtain a Meter by contacting Global Water. An account will be set up for the customer and a deposit of the meter shall be required See the attached appendices for the associated costs for each region. The deposit is fully refundable contingent on payment of water usage fees and there is no damage to the Meter upon discontinuation of this service.
- Once an account is established, a service order will be created and deployed to the Region for a request to set a Meter.

- The Meter will be set at the location requested by the customer and secured in place by a lock and chain. The customer shall place his own lock and chain on the Meter as an order for added security.

**NOTE:** It is the customer's responsibility to protect the Meter from damage and theft. Any means of increased security is highly recommended.

- When a Meter is set, it is the responsibility of the customer to coordinate the testing of the backflow device by a certified backflow tester and in the presence of a Global Water employee. Upon completion, a copy of the certification report shall be forwarded to Global Water's backflow prevention department.

**NOTE:** It is the responsibility of a Global Water employee to ensure the backflow device on the Meter is tested prior to administering supply of potable water. Under no circumstances shall a customer be allowed to receive potable water prior to this occurrence.

- The Meter will be read each month by an employee of Global Water.
- At the time a reading is taken, an evaluation of the Meter will be completed for damages that may compromise the integrity of the Meter and the distribution system.
- The customer will be billed each month for the water usage.
- If damage is noted during the reading process, the Meter will be removed and the customer will be billed for the replacement of the Meter.
- If a Meter is stolen or lost, the customer will be billed for a full Meter replacement. The deposit on the customer's account may be used to cover the expense of the replacement meter and a replacement Meter is contingent on the recovery costs.
- Meters shall be moved by Global Water staff only, unless written authorization is granted by Global Water.
- If a customer requires a Meter to be moved to a different location, the backflow device is subject to testing.
- If a customer has a Meter for a period of **one** year, the device is subject to an annual testing of the backflow device. This shall be tracked by Global Water's backflow program.
- When construction water is no longer required, the customer must contact Global Water. The account will be closed and a service order will be created and deployed to the Region for a request to discontinue service.
- Meter and associated equipment will be retrieved by Global Water, if less than 2". Meters and associated equipment 3" or larger shall be returned to the plant by the customer.

## RESTRICTIONS

- It is unlawful to take water from any fire hydrant without a construction meter/backflow prevention assembly ("Meter").
- Monetary fees may be applied for using water without a Meter in addition to charges for the water at twice the normal rate, or future prohibition from obtaining a construction meter lawfully.
- The Meter and associated equipment (locks, chains, stands, etc.) shall be kept in good condition. A full Meter replacement charge will be applied if the unit is damaged or lost.
- **Backflow Prevention:** The Arizona Code of Regulations, Title 18, requires the use of appropriate cross-connection control when there is any potential for backflow contamination **of the water distribution** system. All Meters shall be outfitted with a backflow prevention assembly. There are no exceptions.
- The Meter must be kept supported at all times per Global Water Standard Detail No. 344-2 and must **not** be set up in a manner that is a hazard to public safety.
- Correct tools must be used when operating the hydrant and safe operation techniques must be practiced in order to avoid disturbances in the distribution system (water hammer).



**APPENDICES**

**GLOBAL WATER- VALENCIA WATER COMPANY**

21410 N. 19<sup>TH</sup> AVENUE, STE. 201 PHOENIX, AZ 85027  
PHONE: 623-580-9600 – FAX: 623-580-9659

**TEMPORARY CONSTRUCTION WATER SERVICE**

TARIFFS AND RATES ARE REGULATED BY THE ARIZONA CORPORATION COMMISSION AND SUBJECT TO CHANGE  
RATES AND TARIFFS EFFECTIVE AS OF 1/1/2001

**PLEASE PRINT CLEARLY**

**REQUESTED DATE OF WATER SERVICE:** \_\_\_\_\_

NAME OF APPLICANT: \_\_\_\_\_ DATE: \_\_\_\_\_

BILLING ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

DEVELOPMENT NAME: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

OFFICE CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

FIELD CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_

LOCATION OF SERVICE (major cross streets) \_\_\_\_\_

AVERAGE GALLON/DAY: \_\_\_\_\_ MAXIMUM GALLON/DAY: \_\_\_\_\_ AVERAGE GALLON: \_\_\_\_\_ MAX GPM: \_\_\_\_\_

DURATION OF USE (# DAYS): \_\_\_\_\_ DESCRIPTION OF USE: \_\_\_\_\_

BACKFLOW PREVENTION MEASURES: \_\_\_\_\_ BACKFLOW DEVICE # \_\_\_\_\_

2" FIRE HYDRANT METER – METER DEPOSIT	\$1,500.00	
3" TURBINE – METER DEPOSIT	\$3,100.00	
4" TURBINE – METER DEPOSIT	\$4,000.00	
8" TURBINE – METER DEPOSIT	\$9,000.00	
ACCOUNT ESTABLISHMENT FEE including tax \$2.49	\$32.49	
<b>TOTAL CHARGES- PLEASE PAY THIS AMOUNT</b> →		
MONTHLY BASIC CHARGE		\$0.00
CONSTRUCTION CHARGE PER 1,000 PER GALLON (PLUS SALES TAX OF 8.3%)		\$3.60

METER NUMBER: \_\_\_\_\_ MAKE: \_\_\_\_\_ READ: \_\_\_\_\_

**PLEASE CONTACT GLOBAL WATER BY SENDING A SIGNED COPY OF THIS APPLICATION ALONG WITH THE METER DEPOSIT TO COORDINATE DELIVERY AND INSTALLATION OF THE CONSTRUCTION METER. CHARGES FOR WATER SERVICE WILL BE BILLED ON A MONTHLY BASIS.**

**TERMS AND CONDITIONS**

- NO FITTING SHALL BE REMOVED FROM A HYDRANT OR METER FOR ANY REASON
- CUSTOMER WILL PROVIDE ANY ADAPTORS NEEDED TO CONNECT TO HOSES TO METER
- WHEN A METER IS SET, IT IS THE RESPONSIBILITY OF THE CUSTOMER TO COORDINATE THE TESTING OF THE BACKFLOW DEVICE BY A CERTIFIED BACKFLOW TESTER AND IN THE PRESENCE OF A GLOBAL WATER EMPLOYEE. UPON COMPLETION, A COPY OF THE CERTIFICATION REPORT SHALL BE FORWARDED TO THE BACKFLOW PREVENTION DEPARTMENT OF GLOBAL WATER
- ONCE A METER IS SET, IT CANNOT BE MOVED BY THE CUSTOMER WITHOUT WRITTEN AUTHORIZATION FROM GLOBAL WATER
- METER WILL NOT BE REMOVED OR RELOCATED FOR ANY REASON BY THE CUSTOMER; THE CUSTOMER MUST CONTACT THE UTILITY TO REQUEST AND SCHEDULE REMOVAL OR RELOCATION
- IF A CUSTOMER REQUIRES A METER TO BE MOVED TO A DIFFERENT LOCATION, THE BACKFLOW DEVICE IS SUBJECT TO TESTING UPON COMPLETION, A COPY OF THE CERTIFICATION REPORT SHALL BE FORWARDED TO THE BACKFLOW PREVENTION DEPARTMENT OF GLOBAL WATER
- IF A CUSTOMER HAS A METER FOR A PERIOD OF **ONE** YEAR, THE DEVICE IS SUBJECT TO AN ANNUAL TESTING OF THE BACKFLOW DEVICE. THIS SHALL BE TRACKED BY GLOBAL WATER'S BACKFLOW PROGRAM
- THE METER MUST BE SUPPORTED AT ALL TIMES PER GLOBAL WATER STANDARD DETAIL NO.344-2 AND MUST **NOT** BE SET UP IN A MANNER THAT IS A HAZARD TO PUBLIC SAFETY.

- METER WILL BE LOCKED OR PULLED IF PAYMENTS ARE NOT RECEIVED BY THE DUE DATE
- IF THE METER OR BACKFLOW DEVICE IS TAMPERED WITH, THE DEPOSIT WILL BE FORFEITED AND THE METER WILL BE LOCKED
  
- IN THE EVENT A METER IS DAMAGED, CAUSING A WATER LEAK, THE UTILITY SHALL ESTIMATE THE WATER LOSS AND BILL THE CUSTOMER
- **WATER FLOW MAY BE DECREASED OR SHUT OFF WITHOUT NOTICE AT THE DISCRETION OF THE UTILITY**
- **DAILY FLOW MAY BE CAPPED AT A CERTAIN LEVEL TO MAINTAIN SERVICE AREA OPERATIONAL CAPABILITY AT THE DISCRETION OF THE UTILITY**
- **USE OF WATER STORAGE TANKS (SUCH AS A KLEIN TANK) MAY BE REQUIRED BY THE UTILITY AS A CONDITION FOR SERVICE**

**TERMS AND CONDITIONS CONTINUED**

- THE METER IS THE PROPERTY OF GLOBAL WATER (hereafter "the utility") AND SHALL REMAIN THE PROPERTY OF THE UTILITY AND SHALL BE RETURNED TO THE UTILITY ON THE EARLIER OF CLOSING OF THE TEMPORARY CONSTRUCTION WATER SERVICE ACCOUNT OR IMMEDIATELY UPON DEMAND UPON THE UTILITY. IN THE EVENT THE METER IS DAMANGE AND/OR STOLEN, THE CUSTOMER WILL BE RESPONSIBLE FOR ALL COST OF REPAIR AND/OR REPLACEMENT UP TO THE MAXIMUM OF \$2,747.00
- METER DEPOSIT WILL BE REFUNDED AT THE TERMINATION OF SERVICE LESS ANY OUTSTANDING BALANCE DUE TO THE UTILITY FOR WATER SERVICE/METER REPAIR AND/OR REPLACEMENT.

I/WE HEREBY AGREE TO THE TERMS AND CONDITIONS CONTAINED HEREIN

- AUTHORIZED SIGNATURE: \_\_\_\_\_ TITLE: \_\_\_\_\_
- PRINT NAME CLEARLY: \_\_\_\_\_ DATE: \_\_\_\_\_



**GLOBAL WATER- SANTA CRUZ WATER COMPANY**

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ACCOUNT ESTABLISHMENT FEE including tax \$2.18	\$27.18	
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