

# NEW APPLICATION



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Oatman Water Company LLC

9184 North 81<sup>st</sup> Street

Scottsdale, AZ 85258

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AZ CORP COMMISSION  
DOCKET CONTROL

May 3, 2016

Arizona Corporation Commission

Attention: Docket Control

W-04069A-16-0147

Please accept the following filing for Oatman Water Company LLC. The purpose is to adopt three (3) Best Management Practices (BMP). They are:

1. 4.1 Leak Detection Program – BMP 4.1.
2. Meter Repair and/or Replacement – BMP 4.2.
3. Water System Tampering – BMP 5.2.

Arizona Corporation Commission

DOCKETED

MAY 03 2016

DOCKETED BY	
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Sincerely,



Steve Anderson

Managing Member, Oatman Water Company, LLC

Company: OATMAN WATER COMPANY

Decision No.: \_\_\_\_\_

Phone: 928-768-9185

Effective Date: \_\_\_\_\_

## **Leak Detection Program Tariff – BMP 4.1**

### **PURPOSE**

A program for the Company to systematically evaluate its water distribution system to identify and repair leaks (Modified Non-Per Capita Conservation Program Best Management Practice Category 4: Physical System Evaluation and Improvement 4.1 Leak Detection Program).

### **REQUIREMENTS**

The requirements of this tariff are governed by Rules of the Arizona Corporation Commission and were adapted from the Arizona Department of Water Resources' Required Public Education Program and Best Management Practices in the Modified Non-Per Capita Conservation Program.

1. The Company shall implement a comprehensive leak detection and repair program to attain and maintain a less than 10 percent unaccounted for water loss in its system(s). The program must include auditing procedures, in-field leak detection and repair efforts. The Company shall take whatever steps are necessary to ensure that its water system is operating at optimal efficiency.
2. On a systematic basis, at least every two years (annually for smaller systems), the Company shall inspect its water distribution system (to include hydrants, valves, tanks, pumps, etc. in the distribution system) to identify and repair leaks. Detection shall be followed by repair or in some cases replacement. Repair vs. replacement will depend upon site-specific leakage rates and costs.
3. Leak Detection efforts should focus on the portion of the distribution system with the greatest expected problems, including:
  - a. areas with a history of excessive leak and break rates;
  - b. areas where leaks and breaks can result in the heaviest property damage;
  - c. areas where system pressure is high;
  - d. areas exposed to stray current and traffic vibration;
  - e. areas near stream crossings; and,
  - f. areas where loads on pipe may exceed design loads.
4. The Company shall keep accurate and detailed records concerning its leak detection and repair/rehabilitation program and the associated costs. Records of repairs shall include: possible causes of the leak; estimated amount of water lost; and date of repair. These records shall be made available to the Commission upon request.
5. The Company shall maintain a complete set of updated distribution system maps.
6. The Company shall ensure that properly functioning (accurate) and appropriately sized meters are installed on all service and source connections. All meters 1-inch and smaller shall be inspected at least once every ten years or upon registering 1,000,000 gallons of

Company: OATMAN WATER CO.

Decision No.: \_\_\_\_\_

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usage, whichever comes first. Meters larger than 1-inch shall be inspected at least once every five years or upon registering 1,000,000 gallons of usage, whichever comes first.

7. The inspection will be accomplished by having the meter pulled and having a Company Technician physically inspect each meter and its fittings for leaks, registers which may have become loose or are not properly attached to the meter and could be under-registering or other broken parts which need repair. In addition, meters shall be randomly selected for flow testing to identify potentially under-registering meters.
8. The Company shall conduct a water audit annually which includes the following steps to determine how efficient each water system is operating and where the losses might be.
  - a. Use coordinated monthly source and service meter readings to calculate how much water enters and leaves the system during the 12 month review period.
  - b. Track and estimate any unmetered authorized uses.
  - c. Calculate the total amount of leakage using the following formula:  
  
$$\text{Unaccounted for water (\%)} = \left[ \frac{\text{(Production and/or purchased water minus metered use \& estimated authorized un-metered use)}}{\text{(Production and/or purchased water)}} \right] \times 100$$
  - d. Authorized un-metered uses may include firefighting, main flushing, process water for water treatment plants, etc. Water losses include all water that is not identified as authorized metered water use or authorized un-metered use.
  - e. Determine possible reasons for leakage, including physical leaks and unauthorized uses.
  - f. Analyze results to determine the improvements needed, such as, better accounting practices, leak survey or replacing old distribution pipes.
9. The Company shall keep accurate and detailed records concerning its annual water audit results. These records shall be made available to the Commission upon request.

Company: OATMAN WATER CO

Decision No.: \_\_\_\_\_

Phone: 928-768-9185

Effective Date: \_\_\_\_\_

## **Meter Repair and/or Replacement Tariff – BMP 4.2**

### PURPOSE

A program for the Company to systematically assess all in-service water meters (including Company production meters) in its water service area to identify under-registering meters for repair or replacement (Modified Non-Per Capita Conservation Program Best Management Practice Category 4: Physical System Evaluation and Improvement 4.2 Meter Repair and/or Replacement Program).

### REQUIREMENTS

The requirements of this tariff are governed by Rules of the Arizona Corporation Commission and were adapted from the Arizona Department of Water Resources' Required Public Education Program and Best Management Practices in the Modified Non-Per Capita Conservation Program.

1. On a systematic basis, the Company will inspect 100 percent of its 1-inch and smaller in-service water meters at least once every ten years for one of the following reasons (whichever occurs first):
  - a. A meter reading complaint is filed with the Company by a customer or Arizona Corporation Commission Staff,
  - b. A meter has registered 1,000,000 gallons of usage,
  - c. A meter has been in service for ten years.
2. Meters larger than 1-inch shall be inspected for one of the following reasons:
  - a. A meter reading complaint is filed with the Company by a customer or Arizona Corporation Commission Staff,
  - b. A meter has been in service for five years.
3. The inspection will be accomplished by having the meter pulled and having a Company Technician physically inspect each meter and its fittings for leaks, registers which may have become loose or are not properly attached to the meter and could be under-registering or other broken parts which need repair. In addition, meters shall be randomly selected for flow testing to identify potentially under-registering meters.
4. The Company shall also replace or reprogram any water meters that do not register in gallons. Upon the effective date of this tariff, the Company shall install all replacement meters with new:
  - a. 1-inch and smaller meters that register in 1 gallon increments,
  - b. 1-1/2-inch through 4-inch meters that register in 10 gallon increments, and
  - c. 6-inch and larger meters that register in 100 gallon increments.
5. The Company shall keep records of all inspected and replacement meters and make this information available to the Commission upon request.

Company: OATMAN WATER COMPANY

Decision No.: \_\_\_\_\_

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## **WATER SYSTEM TAMPERING TARIFF – BMP 5.2**

### **PURPOSE**

The purpose of this tariff is to promote the conservation of groundwater by enabling the Company to bring an action for damages or to enjoin any activity against a person who tampers with the water system.

### **REQUIREMENTS:**

The requirements of this tariff are governed by Rules of the Arizona Corporation Commission, specifically Arizona Administrative Code ("AAC") R14-2-410 and the Arizona Department of Water Resources' Required Public Education Program and Best Management Practices in the Modified Non-Per Capita Conservation Program.

1. In support of the Company's water conservation goals, the Company may bring an action for damages or to enjoin any activity against a person who: (1) makes a connection or reconnection with property owned or used by the Company to provide utility service without the Company's authorization or consent; (2) prevents a Company meter or other device used to determine the charge for utility services from accurately performing its measuring function; (3) tampers with property owned or used by the Company; or (4) uses or receives the Company's services without the authorization or consent of the Company and knows or has reason to know of the unlawful diversion, tampering or connection. If the Company's action is successful, the Company may recover as damages three times the amount of actual damages.
2. Compliance with the provisions of this tariff will be a condition of service.
3. The Company shall provide to all its customers, upon request, a complete copy of this tariff and AAC R14-2-410. The customers shall follow and abide by this tariff.
4. If a customer is connected to the Company water system and the Company discovers that the customer has taken any of the actions listed in No. 1 above, the Company may terminate service per AAC R14-2-410.
5. If a customer believes he/she has been disconnected in error, the customer may contact the Commission's Consumer Services Section at 1-800-222-7000 to initiate an investigation.