

Annual Water Use Efficiency Performance Report Form

Please refer to the *Getting Started – Water Use Efficiency Guidebook*, DOH Pub. 331-375, for help in filling out this form.

General System Information:

System Name: Desert Aire Owners Assn.

System ID #: 190560

County: Grant

Your Name: Christopher Guillen

Your Title: Water Master

Your Phone Number: (509) 932-5202

Today's Date: 7/23/ 08

Production and Distribution System Leakage Information:

12-Month Performance Reporting Period:

1 / 2007 to 12 / 2007 (Month/Year)

Distribution System Leakage Summary:	
Total Water Produced and Purchased – Annual Volume	221.5 <input checked="" type="checkbox"/> millions of gallons* <input type="checkbox"/> gallons*
Distribution System Leakage – Volume	31 <input checked="" type="checkbox"/> millions of gallons* <input type="checkbox"/> gallons*
Distribution System Leakage – Percent	14 %

**Report volume in millions of gallons or gallons: 1 cubic foot = 7.48 gallons*

$$DSL = [(TP - AC) / TP] \times 100$$

Percent of Distribution System Leakage (DSL)
Total Water Produced and Purchased (TP)
Authorized Consumption (AC)

Goal Setting Information:

Date of Public Forum: 4/11/08 (Month/ Date/Year)

Note: Goals must be established through a public process.

Has goal been changed since last performance report? Yes No

In the following section, provide a narrative on progress in reaching your goals. Include the following information:

1. Identify water savings goals.
2. Identify the time schedule for achieving goals.
3. Describe progress made toward achieving goals, such as:
 - Estimate how much water you have saved.
 - Report progress toward meeting goals within your established timeframe.
 - If you are not on track to reach your goals, identify any adjustments or changes to your WUE measures.
 - Include any other information that helps you tell your story.

Goals:

1. Reduce leakage from the past six year average of 14 percent to less than 10 percent.
2. Maintain a program to track and account for all water used.
3. Reduce water use consumption per connection from 502 gallons per day to 490 gallons per day.

There are many items to help us achieve goal #1 we have installed a magnetic meter, this meter has a long service life and can be calibrated in place. This meter is also very accurate and with no moving parts is easy to maintain. When the mag meter was installed the register was metering about 10 gallons a minute less then the meter that was replaced. This is prompting us to install them in the other wells over the next two years.

Last year we found several meters that were not working properly this could also add to the leakage number. If the meters don't work that water is unaccounted for so it is lost, not do to leaks. To help with this problem we have started to go over the water bills, and look for meters that are not working at least once a year. We have also changed to a service meter that is to last longer and has higher accuracy then the old style of meters. The old styles of meters are due to be replaced every 10 years.

We are going to do a leak detection survey of the entire water system to try to find the leaks that have not surfaced. The leak detection people are specially trained to do this kind of work and can find leaks that might not be found otherwise.

The program that we are using to achieve goal #2 is called Eighteen, this program does all the water, golf, and dues & assessments billing. Eighteen allows me to pull up all kind of reports to help see how much water is being used and billed. This program also prints your last years water usage. The other program we use is our telemetry system for the wells. This program helps me by showing well run times and daily water usage. I have also been working on an Excel program for tracking flushing and any other approved unmetered uses.

To help with goal number three Desert Aire has a step rate for water use, this rate is set to were the more water you use the more you pay. We also us the DOH conservation tips in our quarterly newsletter.

Note: If you cannot complete electronically, attach separate pages with general system information at the top.

Meter Installation Information:

Is your system fully metered? Yes No

If yes, 6 / 1984 (Month/Year) If no, complete the rest of this section.

Date for completing installation on all existing connections and interties:

/ (Month/Year) Due by January 22, 2017

Describe your progress in metering and any efforts taken to minimize leakage:

Our system has been fully metered for 24 years.

Note: If you cannot complete electronically, attach separate pages with general system information at the top.

Return this completed form to:

E-mail: wue@doh.wa.gov
Mail: WUE Program, Office of Drinking Water
PO Box 47822, Olympia, WA 98504-7822
FAX: (360) 236-2252

For more information, contact a regional planner:

Eastern Regional Office – Spokane – Main Office: 509-456-3115
Southwest Regional Office – Tumwater – Main Office: 360-236-3030
Northwest Regional Office – Kent – Main Office: 253-395-6750

The Department of Health is an equal opportunity agency. For persons with disabilities, this form is available on request in other formats. To submit a request, please call 1-800-525-0127 (TTY 1-800-833-6388).