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## **Air Sailing, Inc. Gliderport Water System - NV0000866**

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### **Water Conservation Plan**

#### **Introduction**

Air Sailing, Inc. operates a Transient Non-Community public water system (NV0000866) located at a remote glider airport approximately 25 miles north of Sparks, Nevada, in Washoe County. The public water system provides domestic water to 2 buildings (Clubhouse/Office & Bathhouse/Laundry) and irrigation water for several small groves of native trees surrounding the buildings. The domestic water system serves visitors to the gliderport, but there are no permanent residents on the site.

The Air Sailing water supply comes from a sole source well and meets or exceeds all regulated drinking water standards. The flow of water supplied from the well is measured with a single water meter located in a valve box below ground level adjacent to the well. Domestic water is carried from the well to three service connections: Clubhouse/Office, Bathhouse/Laundry building and irrigation manifold. The users of the system are neither metered nor billed.

#### **Elements of the Conservation Plan**

The Plan describes the water conservation and drought management efforts in Air Sailing's water supply system, along with implementation schedules. The Plan components conform to Nevada Revised Statutes (NRS) 540.141. Plan elements address the following areas:

- Increase public awareness of the need to conserve water.
- Encourage reduction in the size of lawns and encourage the use of plants that are adapted to arid and semiarid climates.
- Identify specific conservation measures
- Identify and reduce leakage
- Increase the reuse of effluent
- Contingency plan for drought conditions
- Schedule for carrying out the Plan
- Watering restrictions based on the time of day and the day of the week
- Estimated water savings

#### **Public Awareness**

The attached notice (Water Conservation Notice) is posted on the bulletin board in the Clubhouse/Office building.

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### **Lawn sizes and selection of plants**

There are no lawns or ornamental shrubs on the gliderport. Several small groves of native trees are maintained surrounding the buildings.

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### **Specific water conservation measures**

Toilets in the 2 buildings supplied with water are of a low flush, water-conserving type. Trees are watered through a buried drip irrigation system, and tree bases are mulched to reduce loss of water through evaporation.

### **Identify and reduce leakage**

Suspected leaks in the system are investigated as soon as possible. The number of connections is small, so the monitoring task is well within the capabilities of a paid caretaker on the site.

### **Reuse of effluent**

The gliderport operation itself does not use water, so there is no effluent.

### **Contingency plan for drought conditions**

In the event the well fails to produce water for the system, operations at the gliderport will be restricted or suspended in order to reduce the number of users at the site. Portable restroom facilities and bottled water will be provided to minimize potable water consumption.

### **Schedule for carrying out the plan**

In the event of a drought emergency, all users of the gliderport will be noticed by email distribution and through signage on the gliderport.

### **Watering restrictions**

Irrigation of plants is accomplished through drip irrigation controlled by an automatic timer and electric valves. Irrigation scheduled has been designed to maximize the effectiveness of watering and to minimize water losses.

### **Estimated water savings**

Air Sailing currently monitors yearly water usage. The biggest use of water at the site is irrigation of trees, and great savings in water have been made through use of subsurface drip irrigation rather than surface watering. Conservation of water is an issue that Air Sailing takes very seriously.

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**Attachment**

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**(Water Conservation Notice)**

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**WATER CONSERVATION IS EVERYBODY'S BUSINESS**

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**NEVADA IS THE DRIEST STATE IN THE UNITED STATES AND CAN BE SEVERLY IMPACTED BY LOWER THAN NORMAL RAINFALL OR DROUGHT CONDITIONS**

**PLEASE REPORT ANY LEAKING PLUMBING FIXTURES OR IRRIGATION LINES AND SUSPECTED PIPING LEAKS IMMEDIATELY TO THE ONSITE CARETAKER**