

Janice K. Brewer
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

1110 West Washington Street • Phoenix, Arizona 85007
(602) 771-2300 • www.azdeq.gov



Henry R. Darwin
Director

August 1, 2011

Rim Trail, DWID
Attn: Harry Jones
240 E Box Elder Ln
Payson, AZ 85541

RE: Rim Trail DWID, Payson, Arizona
Public Water System (PWS) AZ0404035
ICE Database Inspection Identification Number 174570

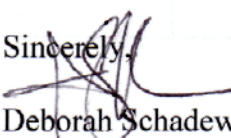
Dear Mr. Jones:

On June 20, 2011, an inspection of the Rim Trail DWID water system was performed to evaluate the site's compliance with the Arizona Revised Statute (A.R.S.) §49-351 et seq. and Arizona Administrative Code (A.A.C.) R18-4-101 et seq and A.A.C. R18-5-101 et seq.

There were no deficiencies noted during the course of the inspection, ADEQ will take no further action as a result of this action.

If you have any questions regarding the enclosed report, please feel free to contact me directly at (602) 771-2225, or by e-mail at DS11@azdeq.gov.

Sincerely,


Deborah Schadewald-Kohler
Environmental Program Specialist
Water Quality Compliance Field Services Unit

Encl: Photos
Sanitary Survey
Checklist

cc: Pat Carpenter, Operator, PO Box 264, Williams, AZ 86046
Gila County Health Department, 1400 East Ash Street, Globe, Arizona 85501
Donna Calderon, Manager, Drinking Water Monitoring and Protection Unit
WQCFSU Reading File *R#FS12-077*
PWS File AZ0404034

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ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION - COMPLIANCE SECTION
FIELD SERVICES UNIT
INSPECTION REPORT-DRINKING WATER

Facility: Rim Trail DWID

System No: AZ0404034

Inspected By: Deborah Schadewald-Kohler

Inspection Date: June 20, 2011

Accompanied By: Harry Jones

County: Maricopa

Number of Plants /Sources: 1/2 wells, 1 siphon

System Grade: Grade 2 Treatment
Grade 2 Distribution

Certified Operator: Pat Carpenter

Operator Grade: Grade 3 Treatment
Grade 2 Distribution

Population/Service Connections: 24/12 active of 90

The system is in compliance with the following ADEQ requirements:

		<u>YES</u>	<u>NO</u>	<u>N/A</u>	UNKNOWN
1.	A certified operator is employed by the owner per ADEQ regulations.	X			
2.	The system meets ADEQ monitoring and reporting requirements.	X			
3.	This system meets ADEQ requirements for operation and maintenance of the physical facilities.	X			

Inspection Purpose and Scope:

This was an announced routine inspection to determine the facilities compliance status under Arizona Administrative Code (A.C.C.) R18-4-101 et seq and R18-5-101 et seq.

Facility Description:

This is a non-transient non-community water system serving second homes north of Payson, Arizona. The system is composed of two wells, two booster pumps, a back up generator, one siphon, one settling pond, an upgraded filtration system, three chlorinators, one 10,000 gallon storage tank, one 35,000 gallon storage tank, one 40,000 gallon storage tank. Approval of construction for improvements was received July 14, 2010. According to the Arizona Department of Water Resources (ADWR) database, well 2 was installed in 1939 and is registered as #55-645071 and well 3 was installed in 1957 and registered as #55-645071 and both are registered to Rim Trail Domestic Water.

Physical Inspection

The inspection of the system found no deficiencies in the operation or maintenance of the components.

Well 1 has not been active since 2008. Subsequent to the inspection, the well has been labeled as inactive dating August 4, 2008, the date of the previous inspection (photo 2).

Well 2 was located in a locked structure with a chlorinator within a fenced compound. The well was in good condition (Photo 1).

Well 3 was located within a locked fenced compound. The well casing was sealed with insulation and not inspected. The pump house was partially subterranean and contained a booster pump and chlorinator. The floor of the structure showed standing water with the components elevate (photo 5-6). For safety reasons it is recommended to install drainage to avoid having water standing in the pump house.

The primary water source is the East Verde River. Water runs through sensors and is measured for turbidity (photos 7-11) then conveys to the treatment building where it is run through a pre-filter and then chlorinated (photo 12) before moving through further filtration. The water is treated further through carbon filtration then clarified (photos 13-21). The metered flow then moves to distribution where it may be combined with chlorinated well water from well 2 or the storage tanks then discharges to the distribution system.

The treatment system had been upgraded since the previous inspection.

The storage tanks were older but in good condition. Tanks 1 and 2 (photos 25-26) were metered but tank 3 (photos 22-24) is not and is over flowed frequently. It was recommended to replace the over flow screens on all of the storage tanks. Mr. Jones informed me the screens were replaced subsequent to the inspection.

Monitoring and Reporting

The following is a summary of the status of the sampling the Rim Trail DWID water system is responsible for:

Dissolved Solids

The system is required to monitor for dissolved solids continually. No deficiencies were noted.

Turbidity

The system is required to monitor for dissolved solids continually. No deficiencies were noted.

Total Coliform

The system is required to obtain one samples for total coliform monthly. No deficiencies were noted.

Maximum Residual Disinfection Levels

The system is required to monitor for residual disinfection levels on a monthly basis. No deficiencies were noted.

Nitrate/Nitrite

The system is responsible for submitting one Nitrate sample annually and one Nitrite sample every nine years commencing in 2004 with the next sample due in 2013. ADEQ had not received Nitrate monitoring results for 2010 at the time of the inspection. Subsequent to the inspection monitoring results were received. No deficiencies were noted.

Consumer Confidence Report

The facility is no longer required to file a Consumer Confidence Report.

Compliance Summary

- 1. Monitoring and Reporting Requirements.** The facility is in compliance with monitoring and reporting requirements.
- 2. Operator Certification Requirements.** The facility is classified as a Grade 3 treatment and grade 2 distribution system, and the facility’s operator, Pat Carpenter, holds a Grade 3 treatment Grade 2 distribution system certification which expires on March 31, 2014.
- 3. Operation & Maintenance (O&M) Requirements.** The facility was in compliance with the operation and maintenance requirements of the system.

Recommendations

None.

**Arizona Department of Environmental Quality
Safe Drinking Water Information System (SDWIS) Inventory Change Form**

Sanitary Survey / Inspection Results

PWS Number: AZ04 04035

Status: ☒ **Completed** ☐ **Planned** **Date of Visit:** June 20, 2011 **Date PWS Notified of Results:**

Regulating Agency: ☒ **PHX** ☐ **SRO** ☐ **NRO** ☐ **MCESD** ☐ **PDEQ** **System Name:** Rim Trail DWID

Inspector and Parties Present: Deborah Schadewald-Kohler, Harry Jones, Pat Carpenter

PWS Site Visit Reason

Please check your reason for inspecting the PWS

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> SNSV Sanitary Survey | <input type="checkbox"/> SSVF SS Follow-up | <input type="checkbox"/> SRCE Source Water Inspection | <input type="checkbox"/> SITE Site Inspection |
| <input type="checkbox"/> CMPA Compliance Assistance | <input type="checkbox"/> TRTP Water Treatment Plant Site Visit | <input type="checkbox"/> LOCD Locational Data Collection | <input type="checkbox"/> OM Operation and Maintenance |
| <input type="checkbox"/> PRMT Permit | <input type="checkbox"/> FENF Formal Enforcement | <input type="checkbox"/> INVG Investigation/Complaint | <input type="checkbox"/> OTHR Other _____ |

Sanitary Survey / Inspection Evaluation

This section is **MANDATORY** and must be completed for the first eight categories listed – mark the box with an X.
Significant Deficiencies should have an NOV attached with reasons and date issued

Category Evaluation	Significant Deficiency	Minor Deficiency	Recommendations Made	No Deficiencies or Recommendations	Not Evaluated	Non Applicable
Source	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Treatment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distribution System	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Finished Water Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
M&R data Verification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Management & Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operator Compliance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Security *	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Financial *	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other * _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*Asterisk = These Category Evaluations are Optional

NOV / NOC / Deficiency Reasons and Date NOV Issued: