

**Individual Reclaimed Water Permit No. R511918
 Place ID No. 141015 LTF No. 63148
 Town of Queen Creek Utility Services Department**

I. FACILITY INFORMATION

Name and Location

| | |
|--------------------|---|
| Name of Permittee: | Town of Queen Creek Utility Services Department |
| Mailing Address: | 22358 S. Ellsworth Road Queen Creek, Arizona 85142 |

Facility Description

The Town of Queen Creek plans to use its proportional share of the Class A+ reclaimed water generated by the Greenfield Water Reclamation Plant (GWRP) by partnering with the Roosevelt Water Conservation District (RWCD) canal system to deliver the reclaimed water to downstream customers. The GWRP is a wastewater treatment facility jointly owned by the City of Chandler, and the Towns of Gilbert and Queen Creek. The GWRP facility is located north of Queen Creek Road and west of Greenfield Road within the Town of Gilbert and is operated by the City of Mesa as lead agent for the facility. The GWRP is classified as producing Class A+ reclaimed water per Aquifer Protection Permit (APP) No. P-105443.

Reclaimed water from the GWRP will be delivered to a discharge facility located on Queen Creek Road at the RWCD canal which lies approximately one-third mile west of Higley Road. The reclaimed water will combine with the RWCD canal water and will be transported through the canal system (including laterals and the Eastern Extension Canal), and delivered to current (and future) RWCD customers located downstream of the discharge point. The potential RWCD distribution area that will be served by the co-mingled water is identified as land that is located south of Queen Creek Road, west of the RWCD Main Canal, east of the Eastern Canal, and north of Hunt Highway, and includes the area from RWCD's drain canal running from the tail-water ditch to the RWCD Eastern Extension Canal.

Initially, the Town of Queen Creek expects to deliver approximately two (2) to three (3) cubic feet per second (cfs) of reclaimed water daily into the canal system at the discharge point. In the future, this discharge rate is expected to increase to around 12 cfs. The flow volume in the canal upstream of the discharge point averages in the range of 75 to 100 cfs. The upper range of the percentage of reclaimed water to canal water is expected to be in the

15 to 20% range, but may on occasion be as much as 50% (subject to daily fluctuations).

The reuse area within the RWCD service area consists of approximately 8700 acres. At the time of permit issuance the end-uses include agricultural and landscape irrigation, and water features, but may include any of the allowable uses included in the Reclaimed Water Standards Rule for Class A, B, or C reclaimed water (see A.A.C. Title 18, Chapter 11, Article 3, Table A).

II. COMPLIANCE WITH RECLAIMED WATER QUALITY STANDARDS

Monitoring and Reporting Requirements

Monitoring requirements for the Class A+ reclaimed water are specified in the Aquifer Protection Permit for the Greenfield Water Reclamation Plant (APP No. P-105443) which includes daily monitoring for *E. coli* and turbidity, and monthly monitoring for total nitrogen.

III. ADMINISTRATIVE INFORMATION

Public Notice (A.A.C. R18-9-705(F)(1))

The public notice is the vehicle for informing all interested parties and members of the general public of the contents of a draft permit or other significant action with respect to a permit or application. The basic intent of this requirement is to ensure that all interested parties have an opportunity to comment on significant actions of the permitting agency with respect to a permit application or permit. This permit will be public noticed in a local newspaper after a pre-notice review by the applicant and other affected agencies.

Public Comment Period (A.A.C. R18-9-705(F)(1))

The reuse program rules require that permits be public noticed in a newspaper of general circulation within the area affected by the facility or activity and provide a minimum of 30 calendar days for interested parties to respond in writing to ADEQ.

Public Hearing (A.A.C. R18-9-705(F)(2))

A public hearing may be requested in writing by any interested party. The request should state the nature of the issues proposed to be raised during the hearing. A public hearing will be held if the Director determines there is a significant amount of interest expressed during the 30-day public comment period, or if significant new issues arise that were not considered during the permitting process.

IV. ADDITIONAL INFORMATION

Additional information relating to this proposed permit may be obtained from:

Arizona Department of Environmental Quality

Factsheet - Individual Reclaimed Water Permit No. 511918
Town of Queen Creek Utility Services Department
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APP Unit, Water Permits Section
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