

Gilbert, Town of – Recharge/Wildlife Habitat Project  
Aquifer Protection Permit No. P-103339  
Place ID 4850, LTF No. 70743  
Significant Amendment

## I. Introduction:

The Arizona Department of Environmental Quality (ADEQ) proposes to issue an Aquifer Protection Permit (APP) for the subject facility that covers the life of the facility, including operational, closure, and post-closure periods unless suspended or revoked pursuant to Arizona Administrative Code (A.A.C.) R18-9-A213. The requirements contained in this permit will allow the permittee to comply with the two key requirements of the Aquifer Protection Program: 1) meet Aquifer Water Quality Standards (AWQS) at the Point of Compliance (POC); and 2) demonstrate Best Available Demonstrated Control Technology (BADCT). BADCT's purpose is to employ engineering controls, processes, operating methods or other alternatives, including site-specific characteristics (i.e., the local subsurface geology), to reduce discharge of pollutants to the greatest degree achievable before they reach the aquifer or to prevent pollutants from reaching the aquifer.

## II. Facility Location:

2563 East Guadalupe Road  
Gilbert, Arizona 85234

## III. Facility Description:

The permittee is authorized to operate an underground storage facility (USF), consisting of seven (7) recharge basins totaling 65 acres. The facility discharges Class A+ treated effluent to the underlying aquifer up to a total maximum average daily flow of 8,961 acre-feet per year, equivalent to a annual average flow of eight million gallons per day (8.0 mgd), from the Town of Gilbert – Neely Water Reclamation Facility (WRF). The Neely WRF is regulated under a separate permit, Aquifer Protection Permit (APP) No. P-100393.

The Recharge/Wildlife Habitat Project (the facility) functions as a riparian habitat that provides educational and recreational benefits to the community. Amongst the facility are numerous trails, 2 camp sites, wildlife viewing areas, ramadas, a parking area, a play area, and restrooms.

## IV. Amendment Description:

ADEQ reviewed and approved:

- Remove Drinking Water Well #8 from the groundwater monitoring requirements, per Sections 2.5.3, 3.0, and Section 4.0, Table II and Table III ;
- Update permit by changing the monitoring requirement for Total Coliform to E. Coli (MPN/100 ml) per Section 4.0, Table II;
- Remove the Cation/Anion Indicator Parameters from the sampling requirements per Section 4.0, Table II; and
- Update the closure cost.

**V. Regulatory Status:**

Records indicate that the facility has never been inspected.

**VI. Best Available Demonstrated Control Technology (BADCT):**

Not applicable as per A.A.C. R18-9-A201(C).

**VII. Compliance with Aquifer Water Quality Standards (AWQS):**

To ensure that site operations do not result in violation of Aquifer Water Quality Standards at the point of compliance, representative samples of the effluent will be conducted under the Neely WWTP APP (P-100393). The permittee will monitor the effluent every day for flow rate only (see Section 4.2, Table I, in the permit).

Groundwater monitoring is required under this permit per Section 4.2, Tables IIA and IIB for *E. Coli*, nitrogen species, metals and organic compounds

Facility inspection and operational monitoring will be performed on a routine basis (see Section 4.2, Table III, in the permit).