

SRP Santan Generating Station  
Recycled Water Individual Permit for Reclaimed Water  
No. R100601 Place ID 978 LTF No. 77601

## **I. Introduction:**

In compliance with the provisions of Arizona Administrative Code (A.A.C.) Title 18, Chapter 9, Article 7 and A.A.C. Title 18, Chapter 11, Article 3 and amendments thereto, and the conditions set forth in this permit, SRP Santan Generating Station, located in the City of Gilbert, County of Maricopa, State of Arizona, is hereby authorized to use reclaimed water for beneficial purposes in accordance with the limitations, monitoring requirements and other conditions set forth in this permit and in the rules cited above.

## **II. Facility Location:**

1005 South Val Vista Road  
Gilbert, Arizona 85296

## **III. Facility Description:**

The SRP Santan Generating Station is a 1,185-megawatt natural gas-fired, combined cycle electric generating plant. The purpose of this permit is to allow the industrial wastewater from the Generating Station for irrigation of crops which may be used as human or animal food, and for use for landscape and ornamental watering within the Roosevelt Water Conservation District (RWCD). The RWCD has a network of canals and laterals in the East Valley that serve water to approximately 41,500 acres. Reuse sites for Santan Generating Station's reclaimed water consist of approximately 28,000 acres of irrigated land located downstream of the two reclaimed water RWCD outfalls.

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

The wastewater discharge from the Santan Generating Station is comprised primarily of cooling tower blowdown with minor amounts of filter backwash and oil/water separator discharge. The reclaimed water discharged to the RWCD Canal is blended in the canal to meet Aquifer Water Quality Standards (AWQS) within the mixing zone at the canal outfall. Mixing occurs instantaneously relative to volume and rate of RWCD Canal flow.