

STATE OF ARIZONA
RECLAIMED WATER INDIVIDUAL PERMIT

PART I. RECLAIMED WATER USE

A Authorization: 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:

Permittee: Salt River Project Agricultural Improvement and Power District (SRP)
Santan Generating Station
1005 South Val Vista Road
Gilbert, AZ 85296

is authorized to use reclaimed water on reuse sites in accordance with reclaimed water limitations, monitoring requirements, and other conditions set forth in this permit, and in the rules cited above.

Reuse Sites: See Part I.B.2

Conditions established within this permit are designed to protect public health and safety, prevent contamination of groundwater through consumptive water use, and conserve potable water by using reclaimed resources. Water application rates authorized herein do not supersede the requirements of the Arizona Department of Water Resources.

This permit is effective on the date of the Section Manager's signature and will expire five years thereafter.

Michele Robertson, Manager
Water Permits Section
Arizona Department of Environmental Quality
Signed this ____ day of _____, 2009

B. Legal Description

Applicant/Permittee: Salt River Project Agricultural Improvement and Power
District (SRP) Santan Generating
Address: 1005 South Val Vista Road
Gilbert, AZ 85296
Phone: (602) 236-2733

Industrial Wastewater Plant: SRP Santan Generating Station
1005 South Val Vista Road
Gilbert, AZ 85296
County: Maricopa
Latitude/Longitude: 33°20'43" N /111°44'06" W
Cadastral: Township 1 S, Range 6 E, Section 21

Reuse Site Location #1: Agriculture irrigation within service area of the Roosevelt Water Conservation District (RWCD) south of Warner Road
County: All reuse sites are located in Maricopa County
Latitude/Longitude: 33°20'09" N /111°40'54" W
Cadastral: Township 1 S, Range 7 E, Sec. 18
Contact Person: Shane M. Leonard
Address: P.O. Box 100
Higley, Arizona 85236
Phone: (480) 988-9586

Reuse Site Location #2: Area supplied by water from RWCD's Eastern Extension Canal
(Alternate reuse site) Tailwater Ditch
County: Maricopa
Latitude/Longitude: 33°20'08" N /111°44'20" W
Cadastral: Township: 1 S, Range: 6 E, Sec.: 21
Contact Person: Shane M. Leonard
Address: P.O. Box 100
Higley, Arizona 85236
Phone: (480) 988-9586

C. Reuse Project 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). SRP Santan Generating Station, as Permittee, is responsible for the direct reuse of reclaimed water by all end-users under this permit. Wastewater is discharged to the RWCD Canal. Allowable uses of reclaimed water under this permit include agricultural irrigation (human or animal food crops), and landscape and ornamental watering via the RWCD Canal south of Warner Road and the area supplied by water from RWCD's Eastern Extension Canal Tailwater Ditch. Use of reclaimed water under this permit shall comply with the applicable regulations under A.A.C. R18-9-701 through 720.

D. Contact Information

Authorized Contact Person (Power Plant)

Name: Barry Drost
Title: Plant Manager
Address: SRP
Mail Station PAB 352, P.O. Box 52025
Phoenix, AZ 85072-2025
Phone: (602) 236-4680
Fax: (602) 236-2331

Authorized Contact Person (Regulatory Compliance)

Name: Phyl Amadi
Title: Senior Hydrogeologist
Address: SRP
Mail Station PAB 352, P.O. Box 52025
Phoenix, AZ 85072-2025
Phone: (602) 236-2183
Fax: (602) 236-3407

PART II. ALLOWABLE PERMIT LIMITS AND MONITORING REQUIREMENTS

SRP Santan Generating Station is authorized to use industrial wastewater for the purposes of agricultural irrigation (human or animal food crops), and landscape and ornamental watering from impoundments 3A East and 3A West subject to the limitations and monitoring requirements as specified in Aquifer Protection Permit (APP) No. P-100601.

PART III. MANAGEMENT PRACTICE

A. Irrigation Practices

Application of industrial wastewater to the reuse area shall be performed according to the following requirements:

1. Use application methods that reasonably preclude human contact with industrial wastewater;

2. Prevent industrial wastewater from standing on open access areas during normal periods of use;
3. Prevent industrial wastewater from coming into contact with drinking fountains, water coolers, or eating areas; and
4. Secure hose bibbs discharging industrial wastewater to prevent use by the public.

B. Contractual Agreement

The permittee shall maintain a contractual agreement with the RWCD which sets forth the responsibilities for compliance with applicable rules in A.A.C. R18-9, Article 7.

C. Public Information

Signs shall be posted at locations which inform employees, visitors, and the general public that reclaimed industrial wastewater is in use and that no one should drink from the wastewater system.

PART IV. COMPLIANCE

System Noncompliance

Permittee shall notify the ADEQ Water Quality Compliance Section, Enforcement Unit as soon as possible after becoming aware of an unauthorized release of reclaimed water to the land surface, surface water bodies, or to the aquifer. This notification shall include:

1. a description of the release;
2. a description of the cause of the release;
3. the location and duration of the release including exact dates and times;
4. a plan of action which addresses remedial or mitigative action.

A contingency plan must be submitted to the ADEQ Water Quality Compliance Section, Enforcement Unit within 10 days of the unauthorized release.

Notifications of unauthorized releases and contingency plans shall be submitted to the following office:

ADEQ Water Quality Compliance Section, Enforcement Unit
1110 W. Washington Street
Mail Code 5415B-1
Phoenix, AZ 85007
Phone: (602) 771-4620, or 800-234-5677
Fax: (602) 771-4467

PART V. GENERAL PROVISIONS

A. Change of Facility Contact Person

Permittee shall notify ADEQ in writing within 30 days of a change in the permit contact person (PART I.D).

B. Permit Amendment

Permittee shall request ADEQ authorization 90 days in advance of a significant modification to the reuse system which would require permit amendment. A significant modification to the reuse system includes but is not limited to changes regarding the following: reuse category; methods of disposal of excess effluent; flow and reclaimed water quality monitoring location(s); monitoring frequency; and wastewater treatment changes which could affect reclaimed water quality. An initial fee, as per A.A.C. R18-14-103 must be submitted to the ADEQ permitting office along with the request for permit amendment. If there is a question as to whether something is considered a significant modification which would require a permit amendment, please contact the following address for a determination:

ADEQ Wastewater, Recharge, and Reuse Unit
1110 W. Washington Street
Mail Code 5415B-3
Phoenix, Arizona 85007
Phone: (602) 771-4687, or 800-234-5677, extension 771-4683
Fax: (602) 771-4674

C. Addition of New Allowable Uses and End-Users

Permittee may add new allowable uses and end-users by notifying the Department according to the following:

ADEQ (see address in PART V.B) must be notified of new allowable uses and end-users on a quarterly basis corresponding to the SMRF submittal dates (see APP No. P100601). Required information for each added reuse site includes: description of the reuse activity and site; latitude/longitude and cadastral of the approximate center point of the reuse site (if applicable); name, address, and phone number of the owner of the reuse site; and a description of the contractual agreement(s). A map showing the location of the reuse sites has been retained in the ADEQ permit file. This map shall be updated annually and shall be submitted to ADEQ at a time which coincides with submittal of the fourth quarterly reporting period (see APP No. P100601).

ADEQ reserves the right to request and review additional information pertaining to new or existing reuse sites. The information to be submitted regarding new reuse sites shall be submitted to ADEQ in a single packet, by certified mail to the address as shown above in PART V.B, with a copy submitted to the ADEQ Water Quality Compliance Section, Enforcement Unit (see address in PART IV above).

D. Permit Transfer

Permittee may transfer a Reclaimed Water Individual Permit to another person if the following conditions are met:

1. Permittee notifies the Director of the proposed transfer;
2. Permittee submits a written agreement containing a specific date for the transfer of permit responsibility and coverage between the current permittee and the proposed new permittee, including an acknowledgment that the existing permittee is liable for violations up to the date of transfer and that the proposed new permittee will be liable for violations from that date forward;
3. The following information for the new proposed permittee shall be provided in the notice:
 - a. name, title, mailing address, and telephone number;
 - b. if applicable, the name, title, mailing address, and telephone number of the authorized contact person for the applicant;
 - c. if applicable, a copy of the certificate of disclosure of violations required under A.R.S. § 49-109.
4. If permittee requests to amend the permit document to reflect the change in ownership, the appropriate fee must be submitted along with the permit transfer request (see A.A.C. R18-14-103).
5. All correspondence regarding permit transfer should be made to the ADEQ address listed in PART V.B of this permit.

E. Severability

If any provision of this permit is declared to be invalid or unenforceable for any reason, the other provisions shall remain in full force and affect.

F. Other Laws and Rules

The issuance of this permit does not waive any federal, state, county, or local government rules, regulations, or permits with which this facility may have to comply.

G. Permit Reissuance

This permit shall expire five years from the date of signature. Permittee shall file an application for reissuance not less than 120 days before the expiration of this permit. The terms and conditions of an expired permit are automatically continued pending issuance of a new permit if:

1. The permitted activity is of a continuing nature;
2. Permittee has submitted a timely (120 days before expiration date of permit) and sufficient application for a new permit; and
3. ADEQ is unable, through no fault of Permittee, to issue a new permit before the expiration date of the previous permit.