

**STATE OF ARIZONA
RECYCLED WATER INDIVIDUAL PERMIT FOR RECLAIMED WATER
NO. R-100601, PLACE ID 978, LTF 77601**

1.0 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 and amendments thereto, and the conditions set forth in this permit, SRP Santan Generating Station, located at 1005 South Val Vista Road, in the Town of Gilbert, County of Maricopa, State of Arizona, is hereby authorized to use industrial reclaimed water for beneficial reuse in accordance with the limitations, monitoring requirements and other conditions set forth in this permit and in the rules cited above.

Conditions established in 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.

1.1 PERMITTEE INFORMATION

Facility Name: SRP Santan Generating Station
Facility Physical Address: 1005 South Val Vista Road
Gilbert, Arizona 85296
Permittee: Salt River Project (SRP) Agricultural Improvement
and Power District, Santan Generating Station
Permittee Mailing Address: Mail Station PAB 352, P.O. Box 52025
Phoenix, Arizona 85072-2025
Facility Contact: Tom Murray
Position/Title: Plant Director
Emergency Phone No.: (602) 236-3199
Latitude/Longitude: 33° 20' 43" N / 111° 44' 06" W
Legal Description: Located on approximately 120 acres in the northern half of Section 21,
Township 1 South, Range 6 East, and is bounded by Warner Road to the
North, by Val Vista Drive to the West, and by the SRP Eastern Canal to
the East and South.

1.2 REUSE SITES

Site Contact: Shane M. Leonard
Contact Number: (480) 988-9586

RWCD Canal
Latitude/Longitude: 33° 20' 08.85" N / 111° 40' 53.80" W
Legal Description: Located on the RWCD Canal in the southwest quarter of Section 18, Township
1 S, Range 7 E, approximately 1,120 feet east of Power Road on the south side
of Warner Road.

RWCD Tailwater Ditch
Latitude/Longitude: 33° 20' 07.73" N / 111° 40' 19.84" W
Legal Description: Located on the RWCD Eastern Extension Canal Tailwater Ditch in the
northeast quarter of Section 21, Township 1 S, Range 6 E, on the southwest
corner of Greenfield and Warner roads.

1.3 AUTHORIZING SIGNATURE

David Dunaway, Manager
Water Reuse Value Stream
Arizona Department of Environmental Quality

Signed this ____ day of _____, 2019

Permit effective date: November 13, 2019

2.0 RECLAIMED WATER USE

2.1 Reuse Site 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 Santan 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.

3.0 ALLOWABLE PERMIT LIMITS AND MONITORING REQUIREMENTS

3.1 Discharge Monitoring

SRP Santan Generating Station is authorized to use industrial reclaimed water as stated in Section 2.0 of this permit subject to the limitations and monitoring requirements specified in APP No. P-100601 and this permit.

3.2 Records Retention [A.A.C. R18-9-B703(B)(6)]

Records of all monitoring activities and results (including all original strip chart recording for continuous monitoring instrumentation, calibration, electronic recording and maintenance records) shall be retained for five (5) years.

4.0 MANAGEMENT PRACTICES

4.1 Irrigation Practices [A.A.C. R18-9-B702(F-G)]

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

1. Run-off of industrial reclaimed water from the irrigation area to any surface water body or wash is prohibited. Application of industrial reclaimed water for irrigation is limited to the specific area as indicated in the permit application and supporting documentation and as listed in Section 2.0 of this permit.
2. Use application methods that reasonably preclude human contact with industrial reclaimed water.
3. Prevent industrial reclaimed water from standing on open access areas during normal periods of use.
4. Prevent industrial reclaimed water from coming into contact with drinking fountains, water coolers, or eating areas.
5. Secure hose bibbs discharging industrial reclaimed water to prevent use by the public.
6. Application of industrial reclaimed water to the reuse area may occur at rates as stated in Section 2.0 of this permit and APP No. P-100601.

4.2 Prohibited Activities [A.A.C. R18-9-B702(H)]

This permit allows the use of industrial reclaimed water solely for the purposes allowed by this permit. The following activities are prohibited:

1. Irrigating with untreated industrial reclaimed water;
2. Providing or using industrial reclaimed water for any of the following activities:
 - a. Direct reuse for swimming, wind surfing, water skiing, or other full-immersion water activity with a potential of ingestion; or
 - b. Direct reuse for evaporative cooling or misting.
3. Misapplying industrial reclaimed water for any of the following reasons:
 - a. Application of industrial reclaimed water to any area other than a direct reuse site; or
 - b. Allowing runoff of industrial reclaimed water or industrial reclaimed water mixed with stormwater from a direct reuse site, except for agricultural return flow that is directed onto an adjacent field or returned to an open water conveyance.
 - c. Application of industrial reclaimed water to the reuse area when the ground is saturated.

4.3 Public Information [A.A.C. R18-9-B702(I)]

Signs shall be placed and maintained at locations such that employees, visitors and the general public are informed that reclaimed industrial wastewater is in use and that no one may drink from the wastewater system.

5.0 COMPLIANCE

5.1 Violations of Discharge Limits and Permit Conditions.

1. The permittee shall notify the ADEQ Water Reuse Value Stream in writing within five (5) days of becoming aware of a violation of any permit condition or discharge limitation.
2. The permittee shall submit in a written report to the ADEQ Water Reuse Value Stream within 30 days of becoming aware of the violation of any permit condition or discharge limitation. The report shall document all of the following:
 - a. Identification and description of the permit condition for which there has been a violation and a description of the cause;
 - b. The period of violation including exact date(s) and time(s), if known and the anticipated time period during which the violation is expected to continue;
 - c. Description of any malfunction or failure of pollution control devices or other equipment or processes;
 - d. Any corrective action taken or planned to mitigate the effects of the violation, or to eliminate or prevent a recurrence of the violation;
 - e. Any monitoring activity or other information that indicates that any pollutants would be reasonably expected to cause a violation of an Aquifer Water Quality Standard or cause endangerment to public health and safety;
 - f. Proposed changes to the monitoring which include changes in constituents or increased frequency of monitoring.

5.2 Unauthorized Release

The permittee shall notify the ADEQ Water Reuse Value Stream within 24 hours after becoming aware of an unauthorized release of industrial wastewater 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 date(s) and time(s);
4. A plan of action which addresses remedial or mitigative action.

5.3 Reporting Location

Notifications of unauthorized releases and violations of discharge limits and permit conditions shall be submitted to:

Arizona Department of Environmental Quality
Water Reuse Value Stream
Mail Code: 5415B-1
1110 W. Washington Street
Phoenix, AZ 85007
Phone: (602) 771-4999

6.0 GENERAL PROVISIONS

6.1 Information Changes [A.A.C. R18-9-A705(B) and (D)]

If a change in the following information occurs, the permittee shall update the ADEQ Water Reuse Value Stream with such changes at least once annually by January 31:

1. Permittee,
2. Ownership,
3. Contact person,
4. Phone number, address, email address, or telephone number, or any combination of any of the above, for permittee or contact person,
5. Name of the use site,

6. An increase in Class A, B, or C reclaimed water use of more than ten percent but less than twenty percent above the volume of reclaimed water currently permitted for use at the reuse site, if applicable.

For changes not described above, the permittee must submit a new Recycled Water Individual Permit application, as applicable.

6.2 Duty to Comply [A.R.S. §§ 49-221 through 49-263]

The permittee is notified of the obligation to comply with all conditions of this permit and all applicable provisions of A.R.S. § Title 49, Chapter 2, Articles 1, 2 and 3, A.A.C. Title 18, Chapter 7 and A.A.C. Title 18, Chapter 11, Article 3. Any permit non-compliance constitutes a violation and is grounds for an enforcement action pursuant to A.R.S. § Title 49, Chapter 2, Article 4 or permit amendment, suspension, or revocation.

6.3 Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. The filing of a request by the Permittee for a permit action does not stay or suspend the effectiveness of any existing permit condition.

6.4 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.

6.5 Permit Continuance [A.A.C. R18-9-B703(A)]

This permit is valid for five (5) years. The permit must be updated as prescribed by A.A.C. R18-9-A705. 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 (60 days before expiration date of permit) and sufficient application for a new permit; and
3. ADEQ is unable, through no fault of the permittee, to issue a new permit before the expiration date of the previous permit.

7.0 REFERENCES AND PERTINENT INFORMATION

The terms and conditions set forth in this permit have been developed based upon the information contained in the following, which are on file with the Department:

1. Industrial Individual Reclaimed Water Permit application dated July 11, 2019.
2. Industrial Individual Reclaimed Water Permit R100601 dated November 13, 2014.
3. Public Notice dated XXXXXX