SRP Agua Fria Generating Station
Individual Recycled Industrial Water Permit
No. R100774 Place ID 3134 LTF No. 116458

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 Agua Fria Generating Station, located in the City of Glendale, Maricopa County, State of Arizona, is hereby authorized to use industrial recycled 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:

7302 West Northern Avenue
Glendale, Arizona 85303

III. Facility Description:

The SRP Agua Fria Generating Station is a natural gas-fired, combined cycle electric generating plant. Process water and stormwater is currently discharged by the facility and monitored under AZPDES permit No. AZ0023531 Outfall 001, after which the discharge flows into irrigation lateral No. 20 approximately 1 mile south of the facility. The purpose of this permit is to allow the industrial recycled water from the Generating Station to discharge process water to Outfall 002 for beneficial reuse (i.e., flood irrigation of turf, trees and shrubs; and irrigation of crops which may be used as human or animal food) through irrigation laterals 1-19. Reuse sites for Agua Fria Generating Station's industrial recycled water consists of approximately 2560 acres of land.

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

The industrial recycled water discharge from the Agua Fria Generating Station is comprised primarily of boiler and cooling tower blowdown/maintenance flows, reject water associated with reverse osmosis and demineralization, and miscellaneous low volume waste. Historic and ongoing facility monitoring data under the AZPDES permit indicates that facility discharge meets water quality standards applicable for the intended use without treatment and is acceptable for beneficial reuse for agricultural irrigation (including flood irrigation of turf, trees, and shrubs). No monitoring requirements are associated with this permit.