

**NOTICE OF THE PRELIMINARY DECISION TO ISSUE A
SIGNIFICANT AMENDMENT TO AN INDIVIDUAL AQUIFER PROTECTION PERMIT**

Public Notice No.: 05-10

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Pursuant to Arizona Administrative Code, Title 18, Chapter 9, Article 1, the Director of the Arizona Department of Environmental Quality intends to issue an individual Aquifer Protection Permit to the following applicant(s):

Facility Name: City of Phoenix – 91st Avenue Wastewater Treatment Plant

Significant Amendment to Aquifer Protection Permit No. P-100579

Permittee: Robert Hollander
City of Phoenix Water Services Department
Compliance and Regulatory Affairs Office
200 W Washington St, 9th Floor
Phoenix, Arizona 85003

The City of Phoenix is authorized to operate the 91st Avenue Wastewater Treatment Plant (WWTP), a 230 million gallons per day (mgd) facility that employs secondary treatment with nitrogen removal. The WWTP consists of a) Plants 1, 2 and 3; b) the Unified Plant; and c) the Hayfield Wetlands Site (HWS) and the Tres Rios Flow Regulating Wetlands (FRW). Effluent from the 91st Avenue WWTP shall be directed to one or more of the following: direct outfall to the Salt River, polishing in the Hayfield Wetlands Site or the Tres Rios FRW followed by outfall to the Salt River, delivery to Palo Verde Nuclear Generating Station (PVNGS), and beneficial reuse.

The 91st Avenue WWTP produces reclaimed water meeting Class B+ Reclaimed Water Standards (A.A.C. R18-11, Article 3) that may be delivered for beneficial use under a valid reclaimed water permit under A.A.C. R18-9, Article 7. Reclaimed water delivered for beneficial reuse will be disinfected by chlorination.

Depth to groundwater at the WWTP site is approximately 10 to 50 feet, and the direction of groundwater flow is primarily to the west-northwest. UP-05 and the Tres Rios Flow Regulating Wetlands were designed and constructed according to plans approved by the ADEQ APP and Reuse Unit.

The 91st Avenue WWTP receives wastewater from the five member cities of the Sub-Regional Operating Group (SROG). Created in 1979, the SROG is the result of an agreement (SROG Agreement) between the cities of Glendale, Mesa, Phoenix, Scottsdale, and Tempe pertaining to liability, ownership and operation of the 91st Avenue WWTP.

The purpose of this amendment is to increase permitted flow to 230 mgd and add the Unified Plant Pumping Station, Unified Plant – 2005 (UP-05), and the Tres Rios Flow Regulating Wetlands to the WWTP. The amendment will also add chlorination to UP-01 and remove the Cobble Wetlands Site. The amendment will remove Points of Compliance (POCs) MW-L and MW-K and their associated monitoring wells, and add two new POCs. Groundwater monitoring will be required at one of the new POCs. The APP has also been updated to conform to the current framework language.

The draft permit and related documentation are available for public review, Monday through Friday, 8:30 a.m. to 4:30 p.m., at ADEQ, 1110 West Washington Street, Records Management Center, Phoenix,

Arizona, 85007. In Phoenix, please call (602)771-4380 or e-mail RecordsCenter@azdeq.gov 24 hours in advance to schedule an appointment to review the file.

Persons may submit comments or request a public hearing on the proposed action, in writing, to Bob Manley, Project Manager, ADEQ, Groundwater Section, 1110 West Washington Street, MC5415B-3, Phoenix, AZ 85007 within thirty (30) days from the date of this notice. A public hearing request must include the reasons for such request.