



Janice K. Brewer
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

1110 West Washington Street • Phoenix, Arizona 85007
(602) 771-2300 • www.azdeq.gov



Patrick J. Cunningham
Acting Director

NOTICE OF THE PRELIMINARY DECISION TO ISSUE AN INDIVIDUAL AQUIFER PROTECTION PERMIT

Public Notice No.: 36-09

**Published on Tuesday, April 28, 2009
in the Casa Grande Dispatch**

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):

Trevor Hill, CEO,
Global Water-Palo Verde Utilities Co
21410 N. 19th Ave Suite 201
Phoenix, AZ 85027

Palo Verde Utilities Company Campus 1 Area Recharge Facility
Aquifer Protection Permit No. 105922

The Global Water – Palo Verde Utilities Company (PVUC) Campus 1 Area Recharge Facility is authorized to discharge to the subsurface up to a total maximum average monthly flow of 6,844 acre-feet per year, equivalent to a monthly average flow of 6.11 million gallons per day (mgd), of tertiary treated denitrified effluent from the Palo Verde Utilities Company (PVUC) Wastewater Reclamation Facility (WRF). The PVUC WRF is regulated under Aquifer Protection Permit (APP) No P-105228. The tertiary treated effluent shall be discharged to Aquifer Storage and Recovery (ASR) wells within a twenty four square mile area called “Campus 1 Area” consisting of five recharge sites located within three Discharge Impact Areas (DIA) of approximately 2 mgd each.

The Campus 1 Area extends throughout the City of Maricopa, and includes the following five recharge sites: Campus 1 recharge WRF site; Maricopa Groves Water Treatment Plant; Rancho El Dorado Water Distribution Center; Villages Lift Station; and Maricopa Grove Well Site. The Campus 1 Area extends approximately 2 miles to the west, south and east of the five sites and is bounded to the southwest by the Ak Chin Indian Community and to the north by the Gila River Indian Community.

The effluent shall flow through a 24 inch diameter pipeline, to a network of up to eighteen aquifer storage and recovery (ASR) wells located at the five recharge sites. The water quality samples shall be obtained at the discharge sample point for the PVUC Water Reclamation Facility APP #105228. Operation of the effluent pipeline is exempt from APP by A.R.S. §49-

Northern Regional Office
1801 W. Route 66 • Suite 117 • Flagstaff, AZ 86001
(928) 779-0313

Southern Regional Office
400 West Congress Street • Suite 433 • Tucson, AZ 85701
(520) 628-6733

250(B)(22). There are five inflow points where the pipeline enters the five ASR well sites. Discharge quality samples may be obtained at the inflow point if necessary, or as part of a contingency action. Volume of water discharged will be measured at the inflow points. Proper operation and maintenance of the pipeline should prevent the water quality from changing during transmission to the ASR wells.

There are three ASR well sites designated as “preferred” and two as “contingency” recharge sites. The preferred sites are Campus 1 recharge site (in the setback areas of P-105228), Maricopa Groves recharge site WRF, and Rancho El Dorado WDC recharge site. The contingency sites are Villages Lift Station recharge site and Maricopa Groves Well Site. The ASR wells shall be installed at the three preferred sites in the following order: up to six ASR wells in the set back of the Campus 1 WRF, up to five ASR wells at the Maricopa Groves WTP, up to five ASR wells at Rancho El Dorado WDC, one ASR well at Villages Lift Station and one ASR well Maricopa Groves Well Site recharge site.

The draft permits and related materials are available for public review, with 24 hour notice, Monday thru Friday 8:30 a.m. to 4:30 p.m. at the Records Management Center, Arizona Department of Environmental Quality, 1110 W. Washington, Phoenix, AZ 85007.

Persons may submit comments or request a public hearing on the proposed action, in writing to Monica Phillips, ADEQ, at 1110 W. Washington Mail Code: 5415B-3, Phoenix, AZ 85007, within thirty (30) days from the date of this notice. The public hearing request must include the reason for such request.