

Caravan Oasis RV Park Wastewater Treatment Plant
Aquifer Protection Permit #100323
Place ID #824, LTF #68987
Significant Amendment

The Arizona Department of Environmental Quality (ADEQ) proposes to issue an amendment to the Aquifer Protection Permit (APP) for the subject facility that covers the life of the facility, including operational, closure, and post closure periods unless suspended or revoked pursuant to Arizona Administrative Code (A.A.C.) R18-9-A213. This document gives pertinent information concerning the issuance of the permit. The requirements contained in this permit will allow the permittee to comply with the two key requirements of the Aquifer Protection Program: 1) meet Aquifer Water Quality Standards at the Point of Compliance (POC); and 2) demonstrate Best Available Demonstrated Control Technology (BADCT). The purpose of BADCT is to employ engineering controls, processes, operating methods or other alternatives, including site-specific characteristics (i.e., the local subsurface geology); to reduce discharge of pollutants to the greatest degree achievable before they reach the aquifer; or to prevent pollutants from reaching the aquifer.

I. FACILITY INFORMATION

Name and Location

Name of Permittee:	LPG Associates
Mailing Address:	5880 Commerce Blvd., Suite 215 Rohnert Park, CA 94928
Facility Name and Location:	Caravan Oasis RV Park Wastewater Treatment Plant 10500 Frontage Rd., Yuma, AZ 85365

Regulatory Status

The Western Media, Inc. was issued an APP on September 22, 1992. An APP Other Amendment to the APP was issued on October 28, 1997 to update the monitoring tables. An APP Other Amendment was issued to LPG Associates on October 11, 2017 for a change of ownership and to update the closure and post-closure cost and financial assurance mechanism. This Other Amendment was received on November 28, 2017.

Facility Description

The permittee is authorized to operate Caravan Oasis RV Park WWTP with a maximum average monthly flow of 0.0785 mgd (78,455 gallons per day). The Caravan Oasis RV Park

consists of 384 RV spaces, a laundry facility and 126 new RV spaces. The facility consists of septic tank system and a package treatment plant.

Septic System: The facility consists of 19 septic tanks which serves 384 RV spaces and a laundry facility. The septic system serves flow of 65,855 gallons per day (gpd).

Packaged Treatment Plant: The package treatment plant serves 126 new RV spaces. The package treatment plant has a capacity to treat monthly average flow of 12,600 gpd. The treatment plant consists of a lift station/surge tank, an aeration basin, a de-nitrification unit, a re-aeration unit, and a final settling unit. The treated effluent is disposed through leach fields. The sludge from the treatment plant is treated by using an aerobic digester, and the treated sludge is disposed of at a State approved landfill.

All industrial hookups and other non-residential hookups to the treatment system shall be authorized according to the applicable federal, state or local regulations.

Amendment Description

ADEQ has reviewed and approved the replacement of the downgradient point of compliance (POC) well.

The permit language has been updated to conform to the most current permit format.

II. BEST AVAILABLE DEMONSTRATED CONTROL TECHNOLOGY

The septic tank systems at WWTP is designed, constructed, operated, and maintained to meet the treatment performance criteria for existing facilities as specified in A.A.C. R18-9-B205. The packaged treatment plant at WWTP site is designed, constructed, operated, and maintained to meet the treatment performance criteria for new facilities as specified in A.A.C. R18-9-B204.

III. COMPLIANCE WITH AQUIFER WATER QUALITY STANDARDS

Monitoring and Reporting Requirements

To ensure that site operations do not result in violation of Aquifer Water Quality Standards at the POC, representative samples of the effluent are collected from the effluent pump station and are monitored monthly for total nitrogen.

To ensure that Aquifer Water Quality Standards will be met at the POC in the aquifer, representative samples of the groundwater are collected from POC #1 and are sampled monthly for total nitrogen, nitrate-nitrite as N, total Kjeldahl nitrogen (TKN), quarterly for total coliform and annually for metals and volatile and semi-volatile organic compounds.

Facility inspections and operational monitoring shall be performed on a routine basis.

IV. HYDROGEOLOGIC SETTING

Point of Compliance

The Points of Compliance are established by the following monitoring locations:

POC #	POC Locations	Latitude	Longitude
1	Located at the downgradient edge of the WWTP	32° 40' 16.04" N	114° 26' 54.22" W

Groundwater monitoring is required at the point of compliance well per Section 4.2, Table II.

The Director may amend this permit to designate additional POCs if information on groundwater gradients or groundwater usage indicates the need.

V. STORM WATER AND SURFACE WATER CONSIDERATIONS

The facility is located in Map Panel 04027C1565E. The facility is located in Zone X which is the area of 0.2% annual chance of flood.

VI. COMPLIANCE SCHEDULE

A compliance schedule is included in Section 3.0 of the permit for the submittal of the Well installation Report for the new point of compliance (POC) well the requirement to submit a demonstration that the financial mechanism is being maintained and an updated closure and post-closure cost estimates every six years.

VII. OTHER REQUIREMENTS FOR ISSUING THIS PERMIT

Technical Capability

The Caravan Oasis RV Park WWTP has demonstrated the technical competence necessary to carry out the terms and conditions of the permit in accordance with A.R.S. § 49-243(N) and A.A.C. R18-9-A202 (B).

The permit requires that appropriate documents be sealed by an Arizona-registered geologist or professional engineer. This requirement is a part of an on-going demonstration of technical capability. The permittee is expected to maintain technical capability throughout the life of the facility.

Financial Capability

The LPG Associates has demonstrated the financial responsibility necessary to carry out the terms and conditions of the permit in accordance with A.R.S. § 49-243(N) and A.A.C. R18-9-A203(C)(3). The estimated dollar amount demonstrated for financial capability is \$72,301.

The financial capability was demonstrated through Certificate of Deposit A.A.C. R18-9-A203(C)(3). The permittee is expected to maintain financial capability throughout the life of the facility.

Zoning Requirements

The Caravan Oasis RV Park WWTP has been properly zoned for the permitted use and the permittee has complied with applicable zoning ordinances in accordance with A.R.S. § 49-243(O) and A.A.C. R18-9-A201(B)(3).

VIII. ADMINISTRATIVE INFORMATION

The public notice is the vehicle for informing all interested parties and members of the general public of the contents of a draft permit or other significant action with respect to a permit or application. The aquifer protection program rules require that permits be public noticed in a newspaper of general circulation within the area affected by the facility or activity and provide a minimum of 30 calendar days for interested parties to respond in writing to ADEQ. The basic intent of this requirement is to ensure that all interested parties have an opportunity to comment on significant actions of the permitting agency with respect to a permit application or permit.

Public Comment Period (A.A.C. R18-9-109(A))

The Department shall accept written comments from the public before a significant permit amendment is made. The written public comment period begins on the publication date of the public notice and extends for 30 calendar days. After the closing of the public comment period, ADEQ is required to respond to all significant comments at the time a final permit decision is reached or at the same time a final permit is actually issued.

Public Hearing (A.A.C R18-9-109(B))

A public hearing may be requested in writing by any interested party. The request should state the nature of the issues proposed to be raised during the hearing. A public hearing will be held if the Director determines there is a significant amount of interest expressed during the 30-day public comment period, or if significant new issues arise that were not considered during the permitting process.

IX. ADDITIONAL INFORMATION

Additional information relating to this permit may be obtained from:

Arizona Department of Environmental Quality
Water Quality Division – APP and Reuse Unit 1
Attn: Monica Phillips
1110 W. Washington Street, Mail Code 5415B-3
Phoenix, Arizona 85007
Phone: (602) 771-2253