

**STATE OF ARIZONA
AQUIFER PROTECTION PERMIT NO. P-100602
PLACE ID #998, LTF #65061**

1.0 AUTHORIZATION

In compliance with the provisions of Arizona Revised Statutes (A.R.S.) Title 49, Chapter 2, Articles 1, 2 and 3, Arizona Administrative Code (A.A.C.) Title 18, Chapter 9, Articles 1 and 2, A.A.C. Title 18, Chapter 11, Article 4 and amendments thereto, and the conditions set forth in this permit, the Arizona Department of Environmental Quality (ADEQ) hereby authorizes the Maricopa County Parks and Recreation Department to operate the Lake Pleasant Regional Park, located in Morristown, Arizona, in Maricopa and Yavapai Counties, in-part over groundwater of the Phoenix Active Management Area, in Townships, Ranges, and Sections identified in Section 1.3, Table 1 of the Gila and Salt River Baseline and Meridian.

This permit becomes effective on the date of the Water Quality Division Director's signature and shall be valid for the life of the facility (operational, closure, and post-closure periods) unless suspended or revoked pursuant to A.A.C. R18-9-A213. The permittee shall construct, operate and maintain the permitted facilities:

1. Following all the conditions of this permit including the design and operational information documented or referenced below, and
2. Such that Aquifer Water Quality Standards (AWQS) are not violated at the applicable point(s) of compliance (POC) set forth below or if an AWQS for a pollutant has been exceeded in an aquifer at the time of permit issuance, that no additional degradation of the aquifer relative to that pollutant and as determined at the applicable POC occurs as a result of the discharge from the facility.

1.1 PERMITTEE INFORMATION

Facility Name: Lake Pleasant Regional Park
Facility Address: 41835 N Castle Hot Springs Rd
Morristown, Arizona 85342
County: Maricopa and Yavapai
Permitted Flow Rate: 28,000 gallons per day (gpd)
Permittee: Maricopa County Parks and Recreation Department
Permittee Address: 41835 N Castle Hot Springs Rd
Morristown, Arizona 85342
Facility Contact: Planning and Development Manager
Emergency Phone No.: (602) 506-9503
Latitude/Longitude: 33° 51' 52.1" N/ 112° 19' 2.2" W
Legal Description: Townships, Ranges, and Sections identified in Section 1.3, Table 1 of the Gila and Salt River Baseline and Meridian

1.2 AUTHORIZING SIGNATURE

Trevor Baggione, Director, Manager
Water Quality Division
Arizona Department of Environmental Quality

Signed this _____ day of _____, 2019

1.3 Legal Description

Table 1: The Lake Pleasant Regional Park covers the following Townships, Ranges and Section:

Township	Range	Sections
Maricopa County		
6 North	1 West	1, 12, and 13
6 North	1 East	3, 4, 5, 6, 7, 8, 9, 10, 15, 16, 17, 18, 19, 20, 21, and 29
7 North	1 East	11, 12, 14, 15, 22, 23, 26, 33, 34, and 35
7 North	2 East	6 and 7
Yavapai County		
6 North	1 West	1
6 North	1 East	4, 5, 6, and 8
7 North	1 West	13, 23, 24, 25, and 36
7 North	1 East	10, 11, 12, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29, 30, 31, 32, 33, and 34

2.0 SPECIFIC CONDITIONS [A.R.S. §§ 49-203(4), 49-241(A)]

2.1 Facility / Site Description [A.R.S. § 49-243(K)(8)]

The Maricopa County Parks and Recreation Department is authorized to operate onsite systems located in the Lake Pleasant Regional Park (Park). The Park covers a total of over 23,000 acres of mountainous desert landscape and resides in both Maricopa and Yavapai Counties. The onsite systems at the Park were permitted under General Permit through county. The addition of a new onsite system and increase in flow required the facility to obtain an Individual Aquifer Protection Permit. The Park has 17 onsite treatment systems consisting of septic tanks with disposal works, for a total capacity of 0.028 million gallons per day (mgd). Fourteen of the onsite systems use evapotranspiration (ET) beds for disposal works, with the three remaining onsite systems utilizing trenches/fields for disposal works. The description of each onsite treatment system is summarized below:

North Entry Station: The facility is a 1000 gallon septic tank with a lined evapotranspiration (ET) bed measuring 64 feet long by 12.5 feet wide by 3 feet deep for disposal. The ET bed is lined using 30 mil polyvinyl chloride (PVC) and has an estimated volume of 3,590 gallons using an estimate of 20 percent void space. The facility accepts the flows from a toilet / washroom facility at the North Entry Station, and has a design flow of 800 gallons per day (gpd). The facility was initially permitted by the US Bureau of Reclamation through Yavapai County Department of Environmental Services under Permit YCES 8682PE95 in 1996.

4-Lane Evapotranspiration Beds: The facility is a 2000 gallon septic tank that discharges by submersible pump lift station to one of two separate lined ET beds for disposal. The first ET bed was installed in 2003 and is 88 feet long by 60 feet wide by 3 feet deep, with a design flow of 800 gpd. The ET bed is lined using 30 mil PVC and has an estimated volume of 23,700 gallons using an estimate of 20 percent void space. The second ET bed was installed in 2017 and is 100 feet long by 70 feet wide by 3 feet deep, with a design flow of 1,200 gpd. The ET bed is lined using 30 mil PVC and has an estimated volume of 31,400 gallons using an estimate of 20 percent void space.

The facilities accept the flows from a toilet / washroom facility at the 4-Lane Recreation Area. The restroom facility waste flows are collected in the septic tank and then delivered by a pump station using submersible pumps approximately 500 feet to the ET bed locations. Valves allow the flows to be delivered to either ET bed location. The septic tank and first ET bed was permitted by Maricopa County Department of Environmental

Services under permit No. 011812 in 2003. The second ET bed was constructed in 2017 but has not been put into service pending issuance of the Aquifer Protection Permit.

Cottonwood Recreation Area Evapotranspiration Bed: The facility is a 2000 gallon septic tank with a lined ET bed measuring 100 feet long by 70 feet wide by 3 feet deep for disposal. The ET bed is lined using 30 mil PVC and has an estimated volume of 31,400 gallons using an estimate of 20 percent void space. The facility accepts the flows from a toilet / washroom facility at the Cottonwood Recreation Area, and has a design flow of 800 gpd. The facility was initially permitted by Maricopa County Department of Environmental Services under permit No. 011813 in 2003.

Pipe-Line Canyon South Recreation Area Evapotranspiration Bed: The facility is a 1500 gallon septic tank with 2 lined ET beds measuring 100 feet long by 36 feet wide by 2.5 feet deep for disposal. The ET beds are lined using 30 mil PVC and have an estimated volume of 26,900 gallons using an estimate of 20 percent void space. The facility accepts the flows from a toilet / washroom facility at the Pipe-Line Canyon South Recreation Area, and has a design flow of 700 gpd. The facility was initially permitted by Maricopa County Department of Environmental Services under permit No. 012665 in 2003.

Operations Center Evapotranspiration Bed: The facility is a 1000 gallon septic tank with a lined ET bed measuring 94 feet long by 44 feet wide by 3 feet deep for disposal. The ET bed is lined using 30 mil PVC and has an estimated volume of 18,500 gallons using an estimate of 20 percent void space. The facility accepts the flows from a toilet / washroom facility at the Operations Center, and has a calculated design flow of 375 gpd. The facility was initially permitted by Maricopa County Department of Environmental Services in 1996.

Main Entry Station Septic Trench: The facility is a 970 gallon septic tank with a septic trench measuring 60 feet long by 3 feet wide by 6 feet deep for disposal. The facility accepts the flows from a toilet / washroom facility at the main building across from the entry station toll booths, and has a design flow of 800 gpd. The facility was initially permitted by Maricopa County Department of Environmental Services under permit No. 951537 in 1995.

Dump Station Evapotranspiration Beds: The facility consists of four septic tanks with a total design flow of 9000 gpd that discharge to three lined ET beds for disposal. ET bed G6 measures 230 feet long by 74 feet wide by 3 feet deep. It is lined using 20 mil PVC and has an estimated volume of 67,980 gallons using an estimate of 20 percent void space. ET bed G7 measures 140 feet long by 115 feet wide by 3 feet deep. It is lined using 20 mil PVC and has an estimated volume of 64,300 gallons using an estimate of 20 percent void space. ET bed G8 measures 140 feet long by 115 feet wide by 3 feet deep. It is lined using 20 mil PVC and has an estimated volume of 64,300 gallons using an estimate of 20 percent void space. The facility accepts the flows from a recreational vehicle dump station, and initially permitted by Maricopa County Department of Environmental Services under permit No. 011361 in 2003.

Group Camp Ground Evapotranspiration Beds: The facility is a 6,300 gallon septic tank that discharges to five ET beds. ET bed G1 measures 222 feet long by 65 feet wide by 2.7 feet deep. It is lined using 20 mil PVC and has an estimated volume of 58,280 gallons using an estimate of 20 percent void space. ET bed G2 measures 210 feet long by 76 feet wide by 2.7 feet deep. It is lined using 20 mil PVC and has an estimated volume of 64,460 gallons using an estimate of 20 percent void space. ET bed G3 measures 222 feet long by 65 feet wide by 2.7 feet deep. It is lined using 20 mil PVC and has an estimated volume of 58,280 gallons using an estimate of 20 percent void space. ET bed G4 measures 195 feet long by 69 feet wide by 2.7 feet deep. It is lined using 20 mil PVC and has an estimated volume of 54,340 gallons using an estimate of 20 percent void space. ET bed G5 measures 105 feet long by 135 feet wide by 2.7 feet deep. It is lined using 20 mil PVC and has an estimated volume of 57,250 gallons using an estimate of 20 percent void space.

The facility accepts the flows from the Group Camp Ground, and has a calculated design flow of 800 gpd. The facility was initially permitted by Maricopa County Department of Environmental Services under permit No. 012661 and 012662 in 2003.

Desert Tortoise Campgrounds Evapotranspiration Bed: The facility consists of one 1,000 gallon septic tank and two 1,500 gallon septic tanks that discharge to a lined ET bed measuring 228 feet long by 50 feet wide by 2.5 feet deep for disposal. The ET bed is lined using 20 mil PVC and has an estimated volume of 42,600 gallons using an estimate of 20 percent void space. The facility accepts the flows from two Desert Tortoise Campground restroom facilities and the host campground, and has a calculated design flow of 1000 gpd. The facility was initially permitted by Maricopa County Department of Environmental Services under permit No. 012666, 012668, and 012670 in 2003.

Wild Burro Campgrounds Evapotranspiration Bed: The facility is a 9,500 gallon septic tank with a lined ET bed measuring 241 feet long by 100 feet wide by 2.2 feet deep for disposal. The ET bed is lined using 30 mil PVC and has an estimated volume of 79,320 gallons using an estimate of 20 percent void space. The facility accepts the flows from three restroom facilities, two shower facilities, and a host campground, with a calculated design flow of 2,835 gpd. The facility was constructed in 1998 by the US Bureau of Reclamation.

10-Lane Boat Ramp Evapotranspiration Bed: The facility is a 6,600 gallon septic tank with a lined ET bed measuring 396 feet long by 126 feet wide by 1.5 feet deep for disposal. The ET bed is lined using 20 mil PVC and has an estimated volume of 111,960 gallons using an estimate of 20 percent void space. The facility accepts the flows from the 10-Lane Boat Ramp restroom facility, and has a design flow of 1000 gpd. The facility was constructed by Maricopa County Recreation Services Department in 1999.

Bobcat / Overlook South Roadrunner Evapotranspiration Bed: The facility is a 1,500 gallon septic tank with a lined ET bed measuring 100 feet long by 57 feet wide by 2.5 feet deep for disposal. The ET bed is lined using 20 mil PVC and has an estimated volume of 26,250 gallons using an estimate of 20 percent void space. The facility accepts the flows from the Bobcat / Overlook South Roadrunner restroom facility, and has a design flow of 700 gpd. The facility was constructed by Maricopa County Parks and Recreation Department under permit No. 012663 in 2003.

Roadrunner Campground Septic Field: The facility consists of three septic tanks the discharge to a septic field measuring approximately 1000 feet long by 4 feet wide by 4 feet deep for disposal. The septic field has an estimated volume of 26,330 gallons using an estimate of 20 percent void space. The size of the first two septic tanks are 3,200 gallons and 2,000 gallons respectively, with the size of the third septic tank unknown. The facility accepts the flows from three restroom / shower facilities, and has a design flow of 3,150 gpd. The facility was constructed by Maricopa County Recreation Services Department in 1999.

Lake Pleasant Maintenance Facility Septic Field: The facility is a 2,000 gallon septic tank that discharges to a septic field measuring approximately 175 feet long by 1 foot wide by 2.2 feet deep for disposal. The septic field has an estimated volume of 576 gallons using an estimate of 20 percent void space. The facility accepts the flows from sinks and water closets in the Lake Pleasant Maintenance Facility, and has a calculated design flow of 800 gpd. The facility was constructed by Maricopa County Recreation Services Department in 1995.

Discovery Center Evapotranspiration Bed: The facility is a 2,000 gallon septic tank with a lined ET bed measuring 152 feet long by 100 feet wide by 3 feet deep for disposal. The ET bed is lined using 20 mil PVC and has an estimated volume of 68,220 gallons using an estimate of 20 percent void space. The facility accepts the flows from the Discovery Center restroom facility, and has a design flow of 2,000 gpd. The facility was constructed by Maricopa County Parks and Recreation Services Department in 1994.

Outdoor Education Center Evapotranspiration Bed: The facility is a 9,500 gallon septic tank with a lined ET bed measuring 486 feet long by 116 feet wide by 2 feet deep for disposal. The ET bed is lined using 20 mil PVC and has an estimated volume of 168,670 gallons using an estimate of 20 percent void space. The facility accepts the flows from the Lake Pleasant Outdoor Education Center Complex, and has a calculated design flow of 4,750 gpd. The facility was constructed by the US Bureau of Reclamation in 1995.

The site includes the following permitted discharging facilities:

Facility	Latitude	Longitude
North Entry Station ET Bed	33° 54' 28.49" N	112° 19' 22.42" W
4-Lane ET Bed	33° 54' 14.82" N	112° 18' 38.19" W
Cotton Wood ET Bed	33° 53' 54.84" N	112° 19' 01.61" W
Pipe Line Canyon South ET Bed	33° 52' 43.75" N	112° 18' 16.52" W
Operations Center ET Bed	33° 52' 19.18" N	112° 17' 40.33" W
Main Entry Station Septic Trench	33° 51' 51.80" N	112° 19' 02.75" W
Dump Station ET Beds	33° 51' 39.24" N	112° 18' 34.26" W
Group Camp Ground ET Beds	33° 51' 39.24" N	112° 18' 34.26" W
Desert Tortoise Camp Ground ET Bed	33° 51' 29.87" N	112° 18' 17.10" W
Wild Burro Campgrounds ET Bed	33° 51' 48.98" N	112° 18' 16.04" W
10-Lane Boat Ramp ET Bed	33° 51' 05.13" N	112° 17' 22.31" W
Bobcat/Overlook South Roadrunner ET Bed	33° 51' 01.06" N	112° 17' 05.88" W
Roadrunner Camp Ground Septic Field	33° 50' 58.04" N	112° 16' 55.18" W
Maintenance Compound Septic Field	33° 50' 30.33" N	112° 16' 12.42" W
Discovery Center ET Bed	33° 50' 47.72" N	112° 16' 40.14" W
Desert Outdoor Center ET Bed	33° 51' 27.31" N	112° 14' 30.03" W
New 4-lane ET-Bed	33° 54' 14.10" N	112° 18' 40.75" W

Annual Registration Fee [A.R.S. § 49-242 and A.A.C. R18-14-104]

The annual registration fee for this permit is payable to ADEQ each year. The permitted flow for fee calculation is 28,000 gallons per day (gpd). If the facility is not constructed or is incapable of discharge, the permittee may be eligible for reduced fees under the rule. Send all correspondence requesting reduced fees to the Groundwater Protection Value Stream. Please reference the permit number, LTF number, and the reason for requesting reduced fees under the rule.

Financial Capability [A.R.S. § 49-243(N) and A.A.C. R18-9-A203]

The permittee has demonstrated financial capability under A.R.S. § 49-243(N) and A.A.C. R18-9-A203. The permittee shall maintain financial capability throughout the life of the facility. The estimated dollar amount for facility closure is \$1,142,143. The financial capability was demonstrated through A.A.C. R18-9-A203(B)(1)and(2).

2.2 Best Available Demonstrated Control Technology (BADCT) [A.R.S. § 49-243(B) and A.A.C. R18-9-A202(A)(5)]

Septic tanks and fields are constructed, operated, and maintained to meet performance and design requirements in R18-9-E302. This includes facilities for which the original permit could not be found.

ET Beds are constructed, operated, and maintained to meet performance and design requirements in R18-9-E306 and R18-9-E307. This includes facilities for which the original permit could not be found.

2.2.1 Engineering Design

The evapotranspiration bed for the 4-Lane Boat Ramps was designed as per the design report prepared by CVL Consultants, and stamped, dated, and signed (sealed) by Frederick Carl Renn, P.E., dated August 16,

2016. Information on existing onsite systems was prepared by MLC Services and Southwest Groundwater, and stamped, dated, and signed (sealed) by Christopher Wilson, P.E., dated April 29, 2019.

2.2.2 Site-specific Characteristics

Not applicable.

2.2.3 Pre-operational Requirements

Not applicable.

2.2.4 Operational Requirements

1. The permittee shall maintain a copy of the up-to-date operations and maintenance manual at the treatment facility site at all times; the manual shall be available upon request during inspections by ADEQ personnel.
2. The pollution control structures shall be inspected for the items listed in Section 4.2, Table III - Facility Inspection (Operational Monitoring).
3. If any damage of the pollution control structures is identified during inspection, proper repair procedures shall be performed. All repair procedures and materials used shall be documented in the facility log book as per Section 2.7.2 and reported to ADEQ in the event of a violation or exceedance as per Section 2.7.3.

2.2.5 Reclaimed Water Classification

[A.A.C. R18-9-B701(C)(2)(a), A.A.C. R18-11-303 through 307]

Not applicable.

2.2.6 Certified Areawide Water Quality Management Plan Conformance

[A.A.C. R18-9-A201(B)(6)(a)]

Facility operations must conform to the approved Certified Areawide Water Quality Management Plan according to the 208 consistency determination in place at the time of permit issuance.

2.3 Discharge Limitations [A.R.S. §§ 49-201(14), 49-243 and A.A.C. R18-9-A205(B)]

1. The permittee is authorized to operate the treatment facility with a maximum average monthly flow of 0.028 mgd.
2. The permittee shall notify all users that the materials authorized to be disposed of through the treatment facility are typical household sewage and pre-treated commercial wastewater and shall not include motor oil, gasoline, paints, varnishes, hazardous wastes, solvents, pesticides, fertilizers or other materials not generally associated with toilet flushing, food preparation, laundry facilities and personal hygiene.
3. The permittee shall operate and maintain all permitted facilities to prevent unauthorized discharges pursuant to A.R.S. § 49-201(12) resulting from failure or bypassing of applicable BADCT.

2.4 Points of Compliance (POCs) [A.R.S. § 49-244]

The conceptual POCs are established at the following designated locations for the discharging facilities at the site:

POC#	POC Locations	Latitude	Longitude
1 - North Entry	Point NW of ET Bed	33° 54' 28.20"	112° 19' 22.29"
2 - 4-Lane Boat Ramp	Point near N Corner of ET Bed	33° 54' 14.18"	112° 18' 39.90"
3 - Cottonwood Picnic	Point near NE Corner of ET Bed	33° 53' 55.39"	112° 19' 01.13"

4 - Pipeline South	Point near NW Corner ET Bed	33° 52' 44.07"	112° 18' 16.60"
5 - Headquarters	Point near NE Corner of ET Bed	33° 52' 19.29"	112° 17' 39.59"
6 - Main Entry Station	Point near SE end of septic trench	33° 51' 52.51"	112° 19' 02.11"
7 - Dump Station	Point at SE Corner ET Bed G8	33° 51' 38.90"	112° 18' 31.02"
8 - Group Camp Ground	Point at East side of G5	33° 51' 39.89"	112° 18' 35.20"
9 - Desert Tortoise Campground	Point near Middle East side ET Bed	33° 51' 30.17"	112° 18' 17.22"
10 - Wild Burro Campground	Point near SW Corner ET Bed	33° 51' 48.21"	112° 18' 16.62"
11 - 10-Lane Boat Ramp	Point near Middle East side ET Bed	33° 51' 04.52"	112° 17' 21.93"
12 - Bobcat Campground	Point near Middle South side ET Bed	33° 51' 00.78"	112° 17' 05.98"
13 - Roadrunner Campground/Ringtail Campground	Point near SW end of Septic Trench	33° 50' 57.65"	112° 16' 55.94"
14 - Maintenance Compound	Point near NW Corner Septic Trench	33° 50' 30.71"	112° 16' 12.50"
15 - Discovery Center	Point near SE Corner ET Bed	33° 50' 47.11"	112° 16' 39.79"
16 - Desert Outdoor Center	Point near SE Corner ET Bed	33° 51' 29.77"	112° 14' 28.92"
17 - New 4-Lane ET Bed	Point at N Corner of ET Bed	33° 54' 14.11"	112° 18' 38.25"

All of the conceptual POC locations are located approximately 20 feet downgradient of each facility. Groundwater monitoring is not required at the point of compliance wells, except as a contingency action. Groundwater flow direction at the site varies. Based on the groundwater elevation contours provided, groundwater flow appears to flow away from the lake as a result of recharge.

The Director may amend this permit to require installation of wells and initiation of groundwater monitoring at the POC or to designate additional points of compliance if information on groundwater gradients or groundwater usage indicates the need.

2.5 Monitoring Requirements [A.R.S. § 49-243(B) and (K)(1), A.A.C. R18-9-A206(A)]

Unless otherwise specified in this permit, all monitoring required in this permit shall continue for the duration of the permit, regardless of the status of the facility. Unless otherwise provided, monitoring shall commence the first full monitoring period following permit issuance.

2.5.1 Pre-operational Monitoring

Not applicable.

2.5.2 Routine Discharge Monitoring

Not applicable.

2.5.3 Reclaimed Water Monitoring

Not applicable.

2.5.4 Facility / Operational Monitoring

Operational monitoring inspections shall be conducted according to Section 4.2, Table III.

If any damage of the pollution control structures is identified during inspection, proper repair procedures shall be performed. All repair procedures and materials used shall be documented in the facility log book as per Section 2.7.2 and reported to ADEQ in case of a violation or exceedance as per Section 2.7.3.

2.5.5 Groundwater Monitoring and Sampling Protocols

Not applicable.

2.5.6 Surface Water Monitoring and Sampling Protocols

Not applicable

2.5.7 Analytical Methodology

Not applicable

2.5.8. Installation and Maintenance of Monitoring Equipment

Not applicable

2.6 Contingency Plan Requirements

[A.R.S. § 49-243(K)(3), (K)(7) and A.A.C. R18-9-A204 and R18-9-A205]

2.6.1 General Contingency Plan Requirements

At least one copy of this permit and the approved contingency and emergency response plan submitted in the application shall be maintained at the location where day-to-day decisions regarding the operation of the facility are made. The permittee shall be aware of and follow the contingency and emergency plans.

2.6.2 Exceeding of Alert Levels and Performance Levels

2.6.2.1 Exceeding of Performance Levels Set for Operational Conditions

1. If any operational performance level set in Section 4.2, Table III has been exceeded, the permittee shall:
 - a. Notify the Groundwater Protection Value Stream within five days of becoming aware of the exceedance.
 - b. Submit a written report within 30 days after becoming aware of the exceedance. The report shall document all of the following:
 - (1) A description of the exceedance and its cause;
 - (2) the period of the exceedance, including exact date(s) and time(s), if known, and the anticipated time period during which the exceedance is expected to continue;
 - (3) any action taken or planned to mitigate the effects of the exceedance or spill, or to eliminate or prevent recurrence of the exceedance or spill;
 - (4) any monitoring activity or other information which indicates that any pollutants would be reasonably expected to cause a violation of an AWQS; and
 - (5) any malfunction or failure of pollution control devices or other equipment or process.

3. The facility is no longer on alert status once the operational indicator no longer indicates that the performance level is being exceeded. The permittee shall, however, complete all tasks necessary to return the facility to its pre-alert operating condition.

2.6.2.2 Exceeding of Alert Levels (ALs) Set for Discharge Monitoring

Not applicable

2.6.3 Discharge Limit Violation

Not applicable

2.6.4 Aquifer Quality Limit Violation

Not applicable

2.6.5 Emergency Response and Contingency Requirements for Unauthorized Discharges pursuant to A.R.S. §49-201(12) and pursuant to A.R.S. § 49-241 that are not addressed elsewhere in Section 2.6

2.6.5.1 Duty to Respond

The permittee shall act immediately to correct any condition resulting from a discharge pursuant to A.R.S. § 49-201(12) if that condition could pose an imminent and substantial endangerment to public health or the environment.

2.6.5.2 Discharge of Hazardous Substances or Toxic Pollutants

In the event of any unauthorized discharge pursuant to A.R.S. § 49-201(12) of suspected hazardous substances (A.R.S. § 49-201(19)) or toxic pollutants (A.R.S. § 49-243(I)) on the facility site, the permittee shall promptly isolate the area and attempt to identify the discharged material. The permittee shall record information, including name, nature of exposure and follow-up medical treatment, if necessary, on persons who may have been exposed during the incident. The permittee shall notify the Groundwater Protection Value Stream within 24 hours of discovering the discharge of hazardous material which (a) has the potential to cause an AWQS or AQL exceedance, or (b) could pose an endangerment to public health or the environment.

2.6.5.3 Discharge of Non-hazardous Materials

In the event of any unauthorized discharge pursuant to A.R.S. § 49-201(12) of non-hazardous materials from the facility, the permittee shall promptly attempt to cease the discharge and isolate the discharged material. Discharged material shall be removed and the site cleaned up as soon as possible. The permittee shall notify the Groundwater Protection Value Stream within 24 hours of discovering the discharge of non-hazardous material which has the potential to cause an AQL exceedance, or could pose an endangerment to public health or the environment.

2.6.5.4 Reporting Requirements

The permittee shall submit a written report for any unauthorized discharges reported under Sections 2.6.5.2 and 2.6.5.3 to the Groundwater Protection Value Stream within 30 days of the discharge or as required by subsequent ADEQ action. The report shall summarize the event, including any human exposure, and facility response activities and include all information specified in Section 2.7.3. If a notice is issued by ADEQ subsequent to the discharge notification, any additional information requested in the notice shall also be submitted within the time frame specified in the notice. Upon review of the submitted report, ADEQ may require additional monitoring or corrective actions.

2.6.6 Corrective Actions

Specific contingency measures identified in Section 2.6 have already been approved by ADEQ and do not require written approval to implement.

With the exception of emergency response actions taken under Section 2.6.5, the permittee shall obtain written approval from the Groundwater Protection Value Stream prior to implementing a corrective action to accomplish any of the following goals in response to exceedance of an AL or violation of an AQL, DL, or other permit condition:

1. Control of the source of an unauthorized discharge;
2. Soil cleanup;
3. Cleanup of affected surface waters;
4. Cleanup of affected parts of the aquifer;
5. Mitigation to limit the impact of pollutants on existing uses of the aquifer.

Within 30 days of completion of any corrective action, the operator shall submit to the Groundwater Protection Value Stream, a written report describing the causes, impacts, and actions taken to resolve the problem.

2.7 Reporting and Recordkeeping Requirements [A.R.S. § 49-243(K)(2) and A.A.C. R18-9-A206(B) and R18-9-A207]

2.7.1 Self-monitoring Report Form

Not applicable

2.7.2 Operation Inspection / Log Book Recordkeeping

A signed copy of this permit shall be maintained at all times at the location where day-to-day decisions regarding the operation of the facility are made. A log book (paper copies, forms, or electronic data) of the inspections and measurements required by this permit shall be maintained at the location where day-to-day decisions are made regarding the operation of the facility. The log book shall be retained for ten years from the date of each inspection, and upon request, the permit and the log book shall be made immediately available for review by ADEQ personnel. The information in the log book shall include, but not be limited to, the following information as applicable:

1. Name of inspector;
2. Date and shift inspection was conducted;
3. Condition of applicable facility components;
4. Any damage or malfunction, and the date and time any repairs were performed;
5. Documentation of sampling date and time; and
6. Any other information required by this permit to be entered in the log book.

Monitoring records for each measurement shall comply with A.A.C. R18-9-A206(B)(2).

2.7.3 Permit Violation and Alert Level Status Reporting

1. The permittee shall notify the Groundwater Protection Value Stream in writing within five days (except as provided in Section 2.6.5) of becoming aware of a violation of any permit condition, for which notification requirements are not specified in Sections 2.6.2 through 2.6.5.

2. The permittee shall submit a written report to the Groundwater Protection 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. Any corrective action taken or planned to mitigate the effects of the violation, or to eliminate or prevent a recurrence of the violation;
 - d. Any monitoring activity or other information which indicates that any pollutants would be reasonably expected to cause a violation of an AWQS;
 - e. Proposed changes to the monitoring which include changes in constituents or increased frequency of monitoring; and
 - f. Description of any malfunction or failure of pollution control devices or other equipment or processes.

2.7.4 Operational, Other or Miscellaneous Reporting

The permittee shall record the information requested in Table III in the facility log book as per Section 2.7.2, and report to ADEQ any violations or exceedances as per Section 2.7.3.

2.7.5 Reporting Location

All documents required by this permit to be submitted to the Groundwater Protection Value Stream shall be directed to:

Arizona Department of Environmental Quality
Groundwater Protection Value Stream
Mail Code 5415B-3
1110 West Washington Street
Phoenix, Arizona 85007
Phone (602) 771-4999

2.7.6 Changes to Facility Information in Section 1.0

The Groundwater Protection Value Stream shall be notified within ten days of any change of facility information including Facility Name, Permittee Name, Mailing or Street Address, Facility Contact Person, or Emergency Telephone Number.

2.8 Temporary Cessation [A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A209(A)]

The permittee shall give written notice to the Groundwater Protection Value Stream before ceasing operation of the facility for a period of 60 days or greater. The permittee shall take the following measures upon temporary cessation:

1. If applicable, direct the wastewater flows from the facility to another state-approved wastewater treatment facility;
2. Correct the problem that caused the temporary cessation of the facility; and
3. Notify the Groundwater Protection Value Stream with a monthly facility status report describing the activities conducted on the treatment facility to correct the problem.
4. Submittal of Self-Monitoring Report Forms (SMRFs) is still required; report "temporary cessation" in the comment section.

At the time of notification the permittee shall submit for ADEQ approval a plan for maintenance of discharge control systems and for monitoring during the period of temporary cessation. Immediately following ADEQ approval, the permittee shall implement the approved plan. If necessary, ADEQ shall amend permit conditions to incorporate conditions to address temporary cessation. During the period of temporary cessation, the permittee shall provide written notice to the Groundwater Protection Value Stream of the operational status of the facility every three years. If the permittee intends to permanently cease operation of any facility, the permittee shall submit closure notification, as set forth in Section 2.9 below.

2.9 Closure [A.R.S. §§ 49-243(K)(6), 49-252 and A.A.C. R18-9-A209(B)]

For a facility addressed under this permit, the permittee shall give written notice of closure to the Groundwater Protection Value Stream of the intent to cease operation without resuming activity for which the facility was designed or operated. Submittal of SMRFs is still required; report "closure in process" in the comment section.

2.9.1 Closure Plan

Within 90 days following notification of closure, the permittee shall submit for approval to the Groundwater Protection Value Stream, a closure plan which meets the requirements of A.R.S. § 49-252 and A.A.C. R18-9-A209(B)(3).

If the closure plan achieves clean-closure immediately, ADEQ shall issue a letter of approval to the permittee. If the closure plan contains a schedule for bringing the facility to a clean-closure configuration at a future date, ADEQ may incorporate any part of the schedule as an amendment to this permit.

2.9.2 Closure Completion

Upon completion of closure activities, the permittee shall give written notice to the Groundwater Protection Value Stream indicating that the approved closure plan has been implemented fully and providing supporting documentation to demonstrate that clean-closure has been achieved (soil sample results, verification sampling results, groundwater data, as applicable). If clean-closure has been achieved, ADEQ shall issue a letter of approval to the permittee at that time. If any of the following conditions apply, the permittee shall follow the terms of post-closure stated in this permit:

1. Clean-closure cannot be achieved at the time of closure notification or within one year thereafter under a diligent schedule of closure actions;
2. Further action is necessary to keep the facility in compliance with AWQS at the applicable POC or, for any pollutant for which the AWQS was exceeded at the time this permit was issued, further action is necessary to prevent the facility from further degrading the aquifer at the applicable POC with respect to that pollutant;
3. Remedial, mitigative or corrective actions or controls are necessary to comply with A.R.S. § 49-201(30) and Title 49, Chapter 2, Article 3;
4. Further action is necessary to meet property use restrictions;
5. SMRF submittals are still required until Clean Closure is issued.

2.10 Post-Closure Requirements [A.R.S. §§ 49-243(K)(6), 49-252 and A.A.C. R18-9 A209(C)]

Post-closure requirements shall be established based on a review of facility closure actions and will be subject to review and approval by the Groundwater Protection Value Stream.

In the event clean-closure cannot be achieved pursuant to A.R.S. § 49-252, the permittee shall submit for approval to the Groundwater Protection Value Stream a post-closure plan that addresses post-closure maintenance and monitoring actions at the facility. The post-closure plan shall meet all requirements of A.R.S. §§ 49-201(30) and 49-252 and A.A.C. R18-9-A209(C). Upon approval of the post-closure plan, this permit shall be amended or a new permit shall be issued to incorporate all post-closure controls and monitoring activities of the post-closure plan.

2.10.1 Post-Closure Plan

A specific post-closure plan may be required upon the review of the closure plan.

2.10.2 Post-Closure Completion

Not required at the time of permit issuance.

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3.0 COMPLIANCE SCHEDULE [A.R.S. § 49-243(K)(5) and A.A.C. R18-9-A208]

Not applicable.

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4.0 TABLES OF MONITORING REQUIREMENTS

4.1 PRE-OPERATIONAL MONITORING (OR CONSTRUCTION REQUIREMENTS)

Not applicable

4.2 COMPLIANCE (or OPERATIONAL) MONITORING

**TABLE IA
 ROUTINE DISCHARGE MONITORING**

Not applicable

**TABLE II
 GROUNDWATER MONITORING**

Not applicable.

**TABLE III
 FACILITY INSPECTION (OPERATIONAL MONITORING)¹**

Pollution Control Structure/Parameter	Performance Level	Inspection Frequency	Reporting Frequency
Septic Tanks	Watertight, functioning properly (pumped when scum and sludge > 25-33% of tank depth)	Every three years	See Section 2.7.3
ET Beds	No visible structural damage or erosion of embankments. No standing water above sand bed	Quarterly	See Section 2.7.3
Septic Fields	No standing water above septic field or downstream of septic field	Quarterly	See Section 2.7.3

¹The permittee shall record the inspection performance levels in a log book as per Section 2.7.2, and report any violations or exceedances as per Section 2.7.3. In the case of an exceedance, identify which structure exceeds the performance level in the log book.

5.0 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. APP Application, dated: March 28, 2019
2. Contingency Plan, dated: March 20, 2019
3. Final Hydrologist Report, dated: August 2, 2019
4. Final Engineering Report, dated: August 13, 2019
5. Public Notice, dated: XXXX

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6.0 NOTIFICATION PROVISIONS

6.1 Annual Registration Fees

The permittee is notified of the obligation to pay an Annual Registration Fee to ADEQ. The Annual Registration Fee is based on the amount of daily influent or discharge of pollutants in gallons per day (gpd) as established by A.R.S. § 49-242.

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

The permittee is notified of the obligation to comply with all conditions of this permit and all applicable provisions of Title 49, Chapter 2, Articles 1, 2 and 3 of the Arizona Revised Statutes, Title 18, Chapter 9, Articles 1 through 4, and Title 18, Chapter 11, Article 4 of the Arizona Administrative Code. Any permit non-compliance constitutes a violation and is grounds for an enforcement action pursuant to Title 49, Chapter 2, Article 4 or permit amendment, suspension, or revocation.

6.3 Duty to Provide Information [A.R.S. §§ 49-243(K)(2) and 49-243(K)(8)]

The permittee shall furnish to the Director, or an authorized representative, within a time specified, any information which the Director may request to determine whether cause exists for amending or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

6.4 Compliance with Aquifer Water Quality Standards [A.R.S. §§ 49-243(B)(2) and 49-243(B)(3)]

The permittee shall not cause or contribute to a violation of an AWQS at the applicable POC for the facility. Where, at the time of issuance of the permit, an aquifer already exceeds an AWQS for a pollutant, the permittee shall not discharge that pollutant so as to further degrade, at the applicable point of compliance for the facility, the water quality of any aquifer for that pollutant.

6.5 Technical and Financial Capability

[A.R.S. §§ 49-243(K)(8) and 49-243(N) and A.A.C. R18-9-A202(B) and R18-9-A203(E) and (F)]

The permittee shall have and maintain the technical and financial capability necessary to fully carry out the terms and conditions of this permit. Any bond, insurance policy, trust fund, or other financial assurance mechanism provided as a demonstration of financial capability in the permit application, pursuant to A.A.C. R18-9-A203(C), shall be in effect prior to any discharge authorized by this permit and shall remain in effect for the duration of the permit.

6.6 Reporting of Bankruptcy or Environmental Enforcement [A.A.C. R18-9-A207(C)]

The permittee shall notify the Director within five days after the occurrence of any one of the following:

1. the filing of bankruptcy by the permittee; or
2. the entry of any order or judgment not issued by the Director against the permittee for the enforcement of any environmental protection statute or rule.

6.7 Monitoring and Records [A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A206]

The permittee shall conduct any monitoring activity necessary to assure compliance with this permit, with the applicable water quality standards established pursuant to A.R.S. §§ 49-221 and 49-223 and §§ 49-241 through 49-252.

6.8 Inspection and Entry [A.R.S. §§ 41-1009, 49-203(B), and 49-243(K)(8)]

In accordance with A.R.S. §§ 41-1009 and 49-203(B), the permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to enter and inspect the facility as reasonably necessary to ensure compliance with Title 49, Chapter 2, Article 3 of the Arizona Revised Statutes, and Title 18, Chapter 9, Articles 1 through 4 of the Arizona Administrative Code and the terms and conditions of this permit.

6.9 Duty to Modify [A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A211]

The permittee shall apply for and receive a written amendment before deviating from any of the designs or operational practices authorized by this permit.

**6.10 Permit Action: Amendment, Transfer, Suspension, and Revocation
[A.R.S. §§ 49-201, 49-241 through 251, A.A.C. R18-9-A211, R18-9-A212 and R18-9-A213]**

This permit may be amended, transferred, suspended, or revoked for cause, under the rules of the Department. The permittee shall notify the Groundwater Protection Value Stream in writing within 15 days after any change in the owner or operator of the facility. The notification shall state the permit number, the name of the facility, the date of property transfer, and the name, address, and phone number where the new owner or operator can be reached. The operator shall advise the new owner or operators of the terms of this permit and the need for permit transfer in accordance with the rules.

7.0 ADDITIONAL PERMIT CONDITIONS

7.1 Other Information [A.R.S. § 49-243(K)(8)]

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, the permittee shall promptly submit the correct facts or information.

7.2 Severability [A.R.S. §§ 49-201, 49-241 through 251, A.A.C. R18-9-A211, R18-9-A212 and R18-9-A213]

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.

7.3 Permit Transfer

This permit may not be transferred to any other person except after notice to and approval of the transfer by the Department. No transfer shall be approved until the applicant complies with all transfer requirements as specified in A.A.C. R18-9-A212(B) and (C).