

ORIGINAL
JOHNSON UTILITIES, L.L



0000038110

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January 4, 2006

Brian Bozzo
Arizona Corporation Commission
1200 W. Washington Street
Phoenix, Arizona 85007

RE: Johnson Utilities, L.L.C.: Compliance with Decision No. 68236
ACC Docket No.: WS-02987A-04-0889
Johnson Utilities' ADEQ 4MGD Aquifer Protection Permit for Pecan WWTP

Dear Mr. Bozzo:

Pursuant to the above-referenced matter, Johnson Utilities hereby submits this compliance filing in accordance with the Commission's orders. Enclosed please find the Arizona Department of Environmental Quality 4 MGD Aquifer Protection Permit for the Pecan Waste Water Treatment Plant attached hereto as Attachment No. 1.

If you need any additional information in regards to this compliance item, please do not hesitate to contact me. Thank you for your time and consideration in this matter.

Sincerely,

Daniel Hodges
Johnson Utilities, LLC

Cc: Brian Tompsett, Johnson Utilities
Richard Sallquist, Sallquist, Drummond & O'Connor
Ernest Johnson, Director
Docket Control

AZ CORP COMMISSION
DOCUMENT CONTROL

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ATTACHMENT 1

STATE OF ARIZONA
AQUIFER PROTECTION PERMIT NO. P-105324
PLACE ID 505131, LTF 34656
SIGNIFICANT AMENDMENT

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, Johnson Utilities, L.L.C. is hereby authorized to operate the Pecan Water Reclamation Plant located at 38539 North Gantzel Road, approximately 1/2 mile north of Combs Road southeast of Queen Creek, Pinal County, Arizona, over groundwater of the Phoenix Active Management Area (AMA) in Township 2 S, Range 8 E, Section 29, NW 1/4, of the Gila and Salt River Base Line 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: Pecan Water Reclamation Plant (WRP)

| | | |
|--|---|---|
| Permittee: Johnson Utilities, L.L.C. (480) 998-3300 | Mailing Address: Johnson Utilities, L.L.C. 5230 E. Shea Blvd. Phoenix, AZ 85254 | Facility's Street Address: 38539 North Gantzel Road, approximately 1/2 mile north of Combs Road southeast of Queen Creek, Pinal County |
|--|---|---|

Facility Contact: Brian Tompsett, P.E., Johnson Utilities, L.L.C.
Tel: (480) 987-9870

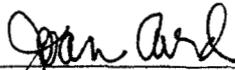
Emergency Telephone Number: (480) 998-3300

Latitude: 33° 13' 43" N

Longitude: 111° 33' 46" W

Legal Description Township 2 S, Range 8 E, Section 29, NW 1/4 of the Gila and Salt River Base Line and Meridian.

1.2 AUTHORIZING SIGNATURE



Joan Card, Director
Water Quality Division
Arizona Department of Environmental Quality
Signed this 1st day of June, 2005

THIS AMENDMENT SUPERCEDES TEXT IN ALL PREVIOUS PERMITS

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 Pecan Water Reclamation Plant (WRP) has the capacity to collect and treat a maximum average monthly flow of 4.0 million gallons per day (MGD). The WRP will be constructed in four phases. Each phase is designed to treat 1.0 MGD. The 4.0 MGD of raw wastewater enters the influent lift station, and is pumped to the headworks with barscreen, where it is diverted to each of the four treatment trains. Each treatment train process consists of extended aeration with nitrification-denitrification, clarifiers, filters, ultraviolet (UV) disinfection, sludge digesters, sludge dewatering belt filter press, and an effluent pump station. Chlorine disinfection may also be used as a back-up. All the WRP units are constructed of either reinforced concrete or steel. All the odor and noise producing units which include the influent pump station, headworks, the extended aeration process including the blower room, and the sludge dewatering belt filter press are enclosed inside a metal building with odor control scrubbers installed on all vents. The entire WRP is surrounded by an aesthetic, 6 foot tall, chain link or concrete block wall, fence. All the effluent generated may be disposed by either recharge in temporary recharge basins, recharged using vadose zone wells or direct injection or reused as regulated under valid Reclaimed Water Permits. Prior to the construction of Phase II, the temporary recharge basins will be closed to allow for the construction of additional phases. The sludge, including the screenings, grit, and scum, is hauled off site for disposal at a landfill. Depth to groundwater at the WRP site is approximately 377 feet and the direction of groundwater flow is to the northwest.

The WRP will produce reclaimed water meeting Class B+ Reclaimed Water Standards (A.A.C. R18-11, Article 3) and may be delivered for beneficial use under a valid reclaimed water permit under A.A.C. R18-9 Article 7.

All industrial hookups and other non-residential hookups to the treatment system shall conform to Section 307 of the Federal Water Pollution Control Act and shall be authorized according to the federal pretreatment program, or as otherwise approved by federal, state or local regulations.

The site includes the following permitted discharging facilities:

| Facility | Latitude | Longitude |
|------------------------------|--------------|---------------|
| Center of WRP | 33°13' 49" N | 111°33' 45" W |
| Recharge wells on East side | 33°13' 45" N | 111°33' 39" W |
| Recharge wells on South side | 33°13'44" N | 111°33' 42" W |
| Center of Recharge Basins | 33°13' 48" N | 111°33' 44" W |

Annual Registration Fee [A.R.S. § 49-242(D)]

The Annual Registration Fee for this permit is established by A.R.S. § 49-242(D) and is payable to ADEQ each year. The design flow is 4.0 million gallons per day.

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 demonstrated for financial capability is \$22,500. The financial capability was demonstrated through R18-9 A203 (A) and (D)(1)(d).

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

The WRP is designed to meet the treatment performance criteria for new facilities as specified in Arizona Administrative Code R18-9-B204.

The facility meets the requirements for the pretreatment by conducting monitoring as per R18-9-B204(A)(6)(b)(iii):

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

2.2.1 Engineering Design

The WRP was designed as per the design report prepared by Terry Moore, P.E., Moore and Associates, Inc., dated September 26, 2003 and finalized by Gregory H. Brown, P.E., Sunbelt Utility Services, L.L.C.

2.2.2 Site-specific Characteristics

Site specific characteristics were not used to determine BADCT.

2.2.3 Pre-Operational Requirements

Within 60 days of the completion of construction, the operator shall inspect the facility to verify that all components function as designed. The permittee shall provide written certification within 90 days following final completion of the construction to ADEQ Water Quality Compliance, that inspection of all components was performed. The results of inspection should also be indicated.

2.2.4 Operational Requirements

1. The permittee shall maintain a copy of the new O & M manual at the WRP site at all times and shall be available upon request during inspections by ADEQ personnel.
2. The pollution control structures shall be inspected for the items listed in Section 4.0, 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 material(s) used shall be documented on the Self-Monitoring Report Form submitted quarterly to the ADEQ Water Quality Compliance.

2.2.5 Wastewater Treatment Plant Classification

A.A.C. R18-9-703(C)(2)(a), A.A.C. R18-11-303 THROUGH 307]

The WRP will produce reclaimed water meeting Class B+ Reclaimed Water Quality Standards and can be used for any allowable use in that class under a valid reclaimed water permit (A.A.C. R18-9, Article 7).

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

The permittee is authorized to operate the WRP with a maximum average annual flow of 4.0 MGD. Four tables are listed for discharge monitoring. These are Phase I, Table 1A, Phase II, Table 1A, Phase III, Table 1A and Phase IV, Table 1A. The facility shall only monitor the appropriate Table for monitoring that is commensurate with phases already constructed. Upon

construction of each phase, the facility shall discontinue monitoring required in the previous phases (s). No monitoring is required for any phase that is not constructed.

2. The permittee shall notify all users that the materials authorized to be disposed of through the WRP are typical household sewage 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. Specific discharge limitations are listed in Section 4.0, Tables IA and IB.

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

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

| P.O.C.# | P.O.C. Locations | Latitude | Longitude |
|---------|--|-------------|--------------|
| 1 | Northwest corner of the WRP- No well | 33°13'50" N | 111°33'46" W |
| 2 | MW-1 located, north of the recharge wells at the NE corner of the plant site | 33°13'49" N | 111°33'42" W |

The Director may amend this permit 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(K)(1), A.A.C. R18-9-A206(A)]

All monitoring required in this permit shall continue for the duration of the permit, regardless of the status of the facility. All sampling, preservation and holding times shall be in accordance with currently accepted standards of professional practice. Trip blanks, equipment blanks and duplicate samples shall also be obtained, and chain of custody procedures shall be followed, in accordance with currently accepted standards of professional practice. The permittee shall consult the most recent version of the ADEQ Quality Assurance Project Plan (QAPP) and EPA 40 CFR PART 136 for guidance in this regard. Copies of laboratory analyses and chain of custody forms shall be maintained at the permitted facility. Upon request these documents shall be made immediately available for review by ADEQ personnel.

2.5.1 Discharge Monitoring

The permittee shall monitor the wastewater according to Section 4.0, Table IA. A representative sample of the wastewater shall be collected at the point of discharge from the effluent pump station.

2.5.1.1 Reclaimed Water Monitoring

The permittee shall monitor the parameters listed under Table 1B in addition to the routine discharge monitoring parameters listed in Table 1A.

2.5.2 Facility / Operational Monitoring

Operational monitoring inspections shall be conducted according to Section 4.0, Table III.

- a. 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 on the Self-Monitoring Report Form (SMRF) submitted

quarterly to the ADEQ Water Quality Compliance. If none of the conditions occur, the report shall say "no event" for a particular reporting period. If the facility is not in operation, the permittee shall indicate that fact in the SMRF.

- b. The permittee shall submit data required in Section 4.0, Table III regardless of the operating status of the facility unless otherwise approved by the Department or allowed in this permit.

2.5.3 Groundwater Monitoring and Sampling Protocols

The permittee shall monitor the groundwater according to Section 4.0, Table II.

Static water levels shall be measured and recorded prior to sampling. Wells shall be purged of at least three borehole volumes (as calculated using the static water level) or until field parameters (pH, temperature, conductivity) are stable, whichever represents the greater volume. If evacuation results in the well going dry, the well shall be allowed to recover to 80% of the original borehole volume, or for 24 hours, whichever is shorter, prior to sampling. If after 24 hours there is not sufficient water for sampling, the well shall be recorded as "dry" for the monitoring event. An explanation for reduced pumping volumes, a record of the volume pumped, and modified sampling procedures shall be reported and submitted with the Self-Monitoring Report Form (SMRF).

2.5.4 Surface Water Monitoring and Sampling Protocols

Routine surface water monitoring is not required under the terms of this permit.

2.5.5 Analytical Methodology

All samples collected for compliance monitoring shall be analyzed using Arizona state approved methods. If no state approved method exists, then any appropriate EPA approved method shall be used. Regardless of the method used, the detection limits must be sufficient to determine compliance with the regulatory limits of the parameters specified in this permit. Analyses shall be performed by a laboratory licensed by the Arizona Department of Health Services, Office of Laboratory Licensure and Certification. For results to be considered valid, all analytical work shall meet quality control standards specified in the approved methods. A list of Arizona State certified laboratories can be obtained at the address below:

Arizona Department of Health Services
Office of Laboratory Licensure and Certification
250 North 17th Ave.
Phoenix, AZ 85007
Phone: (602) 364-0720

2.5.6 Installation and Maintenance of Monitoring Equipment

Monitoring equipment required by this permit shall be installed and maintained so that representative samples required by the permit can be collected. If new groundwater wells are determined to be necessary, the construction details shall be submitted to the ADEQ Water Permits Section for approval prior to installation and the permit shall be amended to include any new points.

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 the approved contingency and emergency response plan(s) 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.

Any alert level (AL) that is exceeded or any violation of an aquifer quality limit (AQL), discharge limit (DL), or other permit condition shall be reported to ADEQ following the reporting requirements in Section 2.7.3.

Some contingency actions involve verification sampling. Verification sampling shall consist of the first follow-up sample collected from a location that previously indicated a violation or the exceedance of an AL. Collection and analysis of the verification sample shall use the same protocols and test methods to analyze for the pollutant or pollutants that exceeded an AL or violated an AQL. The permittee is subject to enforcement action for the failure to comply with any contingency actions in this permit. Where verification sampling is specified in this permit, it is the option of the permittee to perform such sampling. If verification sampling is not conducted within the timeframe allotted, ADEQ and the permittee shall presume the initial sampling result to be confirmed as if verification sampling has been conducted. The permittee is responsible for compliance with contingency plans relating to the exceedance of an AL or violation of a DL, AQL or any other permit condition.

2.6.2 Exceeding of Alert Levels/Performance Levels

2.6.2.1 Exceeding of Performance Levels (PL) Set for Operational Conditions

1. If the operational PL set in Section 4.0, Table III has been exceeded (permit condition violated) the permittee shall:
 - a. Notify the ADEQ Water Quality Compliance Section within five (5) days of becoming aware of a violation of any permit condition in Table III.
 - b. Submit a written report within thirty (30) days after becoming aware of a violation of a permit condition. The report shall document all of the following:
 1. A description of the violation and its cause;
 2. 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;
 3. any action taken or planned to mitigate the effects or the violation, or the spill, or to eliminate or prevent recurrence of the violation;
 4. any monitoring activity or other information which indicates that any pollutants would be reasonably expected to cause a violation of an Aquifer Water Quality Standard; and
 5. any malfunction or failure of pollution control devices or other equipment or process.
2. The facility is no longer on alert status once the operational indicator no

longer indicates that a PL 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 Set for Discharge Monitoring

1. If an AL set in Section 4.0, TABLE IA and IB have been exceeded, the permittee shall immediately investigate to determine the cause of the AL being exceeded. The investigation shall include the following:
 - a. Inspection, testing, and assessment of the current condition of all treatment or pollutant discharge control systems that may have contributed to the AL being exceeded.
 - b. Review of recent process logs, reports, and other operational control information to identify any unusual occurrences;
2. The permittee shall initiate actions identified in the approved contingency plan referenced in Section 5.0 and specific contingency measures identified in Section 2.6 to resolve any problems identified by the investigation which may have led to an AL being exceeded. To implement any other corrective action the permittee shall obtain prior approval from ADEQ according to Section 2.6.6.
3. Within thirty (30) days after confirmation of an AL being exceeded, the permittee shall submit the laboratory results to the ADEQ Water Quality Compliance Section, Data Unit, along with a summary of the findings of the investigation, the cause of the AL being exceeded, and actions taken to resolve the problem.
4. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.

2.6.2.3 Exceeding of Alert Levels in Groundwater Monitoring

2.6.2.3.1 Alert Levels for Indicator Parameters

Not required at time of permit issuance.

2.6.2.3.2 Alert Levels for Pollutants with Numeric Aquifer Water Quality Standards

1. If an AL for a pollutant set in Section 4.0, Table II has been exceeded, the permittee may conduct verification sampling within 5 days of becoming aware of an AL being exceeded. The permittee may use results of another sample taken between the date of the last sampling event and the date of receiving the result as verification.
2. If verification sampling confirms the AL being exceeded or if the permittee opts not to perform verification sampling, then the permittee shall increase the frequency of monitoring to Daily', 'Weekly', and 'Monthly' for constituents that have a permit monitoring frequency of 'Weekly', 'Monthly', and 'Quarterly', 'Semi-Annual' or 'Annual' respectively. In

addition, the permittee shall immediately initiate an investigation of the cause of the AL being exceeded, including inspection of all discharging units and all related pollution control devices, review of any operational and maintenance practices that might have resulted in an unexpected discharge, and hydrologic review of groundwater conditions including upgradient water quality.

3. The permittee shall initiate actions identified in the approved contingency plan referenced in Part 5.0 and specific contingency measures identified in Part 2.6 to resolve any problems identified by the investigation which may have led to an AL being exceeded. To implement any other corrective action the permittee shall obtain prior approval from ADEQ according to Section 2.6.6. Alternatively, the permittee may submit a technical demonstration, subject to written approval by the Water Permits Section, that although an AL is exceeded, pollutants are not reasonably expected to cause a violation of an AQL. The demonstration may propose a revised AL or monitoring frequency for approval in writing by the Water Permits Section.
4. Within thirty (30) days after confirmation of an AL being exceeded, the permittee shall submit the laboratory results to the Water Quality Compliance Section, Data Unit along with a summary of the findings of the investigation, the cause of the AL being exceeded, and actions taken to resolve the problem.
5. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.
6. The increased monitoring required as a result of ALs being exceeded may be reduced to 4.0, Table I frequencies, if the results of four sequential sampling events demonstrate that no parameters exceed the AL.

2.6.2.3.3 Alert Levels to Protect Downgradient Users from Pollutants Without Numeric Aquifer Water Quality Standards

Not required at time of issuance.

2.6.3 Discharge Limitations (DL) Violations

1. If a DL set in Section 4.0, Tables IA and IB have been violated, the permittee shall immediately investigate to determine the cause of the violation. The investigation shall include the following:
 - a. Inspection, testing, and assessment of the current condition of all treatment or pollutant discharge control systems that may have contributed to the violation;
 - b. Review of recent process logs, reports, and other operational control information to identify any unusual occurrences;
 - c. Sampling of individual waste streams composing the wastewater for the parameters in violation.

The permittee also shall submit a report according to Section 2.7.3, which includes a summary of the findings of the investigation, the cause of the violation, and actions taken to resolve the problem. The permittee shall consider and ADEQ may require corrective action that may include control of the source of discharge, cleanup of affected soil, surface water or groundwater, and mitigation of the impact of pollutants on existing uses of the aquifer. Corrective actions shall either be specifically identified in this permit, included in an ADEQ approved contingency plan, or separately approved according to Section 2.6.6.

2. Upon review of the submitted report, the Department may require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.

2.6.4 Aquifer Quality Limit (AQL) Violation

1. If an AQL set in Section 4.0, Table II has been exceeded, the permittee may conduct verification sampling within 5 days of becoming aware of an AQL being exceeded. The permittee may use results of another sample taken between the date of the last sampling event and the date of receiving the result as verification.
2. If verification sampling confirms that the AQL is violated for any parameter or if the permittee opts not to perform verification sampling, then, the permittee shall increase the frequency of monitoring to 'Daily', 'Weekly', and 'Monthly' for constituents that have a permit monitoring frequency of 'Weekly', 'Monthly', and 'Quarterly', 'Semi-Annual' or 'Annual' respectively. In addition, the permittee shall immediately initiate an evaluation for the cause of the violation, including inspection of all discharging units and all related pollution control devices, and review of any operational and maintenance practices that might have resulted in unexpected discharge.

The permittee also shall submit a report according to Section 2.7.3, which includes a summary of the findings of the investigation, the cause of the violation, and actions taken to resolve the problem. A verified exceedance of an AQL will be considered a violation unless the permittee demonstrates within 30 days that the exceedance was not caused or contributed to by pollutants discharged from the facility. Unless the permittee has demonstrated that the exceedance was not caused or contributed to by pollutants discharged from the facility, the permittee shall consider and ADEQ may require corrective action that may include control of the source of discharge, cleanup of affected soil, surface water or groundwater, and mitigation of the impact of

pollutants on existing uses of the aquifer. Corrective actions shall either be specifically identified in this permit, included in an ADEQ approved contingency plan, or separately approved according to Section 2.6.6.

3. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.

2.6.5 Emergency Response and Contingency Requirements for Spills and Unauthorized Discharges [A.R.S. § 49-201(12) and pursuant to A.R.S. § 49-241]

2.6.5.1 Duty to Respond

The permittee shall act immediately to correct any condition resulting from a discharge (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 Spills of Toxic Pollutants

In the event of any unauthorized discharge (A.R.S. 49-201(12)) of suspected hazardous substances (A.R.S. 49-201(18)) 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 spilled 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 ADEQ Water Quality Field Service Unit at (602) 771-4841 within 24-hours upon discovering the discharge of hazardous material which: a) has the potential to cause an AWQS or AQL to be exceeded; 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 (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 ADEQ Water Quality Field Services Unit at (602) 771-4841, within 24-hours upon discovering the discharge of non-hazardous material which: a) has the potential to cause an AQL to be exceeded; or b) 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 ADEQ Water Quality Field Services Unit, Mail Code: 5415B-1, 1110 West Washington Street, Phoenix, AZ, within thirty 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 that 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 Part 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 Water Permits Section prior to implementing a corrective action to accomplish any of the following goals in response to exceeding 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 ADEQ Water Quality Compliance Section, 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 Forms (SMRF)

1. The permittee shall complete the SMRFs provided by ADEQ, and submit them to the Water Quality Compliance Section, Data Unit.
2. The permittee shall complete the SMRF to the extent that the information reported may be entered on the form. If no information is required during a quarter, the permittee shall enter "not required" on the SMRF and submit the report to ADEQ. The permittee shall use the format devised by ADEQ.
3. The tables contained in Sections 4.0 list the parameters to be monitored and the frequency for reporting results for groundwater compliance monitoring. Monitoring methods shall be recorded on the SMRFs. The permittee reserves the right to request a relaxation of the monitoring frequency for metals and volatile organic compounds if the data indicate that water quality standards are being achieved.
4. In addition to the SMRF, the information contained in Section 6.9.3 shall be included for exceeding an AL or violation of an AQL, DL, or any other permit condition being reported in the current reporting period.

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;
6. Any other information required by this permit to be entered in the log book, and
7. Monitoring records for each measurement shall comply with R18-9-A206(B)(2).

2.7.3 Permit Violation and Alert Level Status Reporting

1. The permittee shall notify the Water Quality Compliance Section, Enforcement Unit in writing within five days (except as provided in Section 2.6.5) of becoming aware of a violation of any permit condition, discharge limitation or of an Alert Level being exceeded.
2. The permittee shall submit a written report to the Water Quality Compliance Section, Enforcement Unit 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 its 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 Aquifer Water Quality Standard.
 - e. Proposed changes to the monitoring which include changes in constituents or increased frequency of monitoring.
 - 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 complete the Self-Monitoring Report Form provided by the Department to reflect facility inspection requirements designated in Section 4.0, Table III and submit to the ADEQ, Water Quality Compliance quarterly along with other reports required by this permit. Facility inspection reports shall be submitted no less frequently than quarterly, regardless of operational status.

The permittee shall submit the results of water quality testing for total nitrogen, fecal coliform, turbidity and flow volumes to any of the following in accordance with A.A.C. R18-9-703(C)(2)(c):

1. Any reclaimed water agent who has contracted for delivery of reclaimed water from the permittee;

2. Any end user who has not waived interest in receiving this information

2.7.5 Reporting Location

All SMRFs shall be submitted to:

Arizona Department of Environmental Quality
Water Quality Compliance Section, Data Unit
Mail Code: 5415B-1
1110 W. Washington Street
Phoenix, AZ 85007
Phone (602) 771-4681

All documents required by this permit to be submitted to the Water Quality Compliance Section shall be directed to:

Water Quality Compliance Section, Enforcement Unit
Mail Code: 5415B-1
1110 W. Washington Street
Phoenix, AZ 85007
Phone (602) 771-4614

All documents required by this permit to be submitted to the Water Permits Section shall be directed to:

Arizona Department of Environmental Quality
Water Permits Section
Mail Code: 5415B-3
1110 W. Washington Street
Phoenix, AZ 85007
Phone (602) 771-4428

2.7.6 Reporting Deadline

The following table lists the quarterly report due dates:

| Monitoring conducted during QUARTER | Quarterly Report due by |
|-------------------------------------|-------------------------|
| January-March | April 30 |
| April-June | July 30 |
| July-September | October 30 |
| October-December | January 30 |

2.7.7 Changes to Facility Information in Section 1.0

The Water Permits Section and Water Quality Compliance Section shall be notified within 10 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 Water Quality Compliance Section 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.
3. Notify ADEQ with a monthly facility Status Report describing the activities conducted on the WWTP to correct the problem

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. Every three years during the period of temporary cessation, the permittee shall provide written notice to the Water Quality Compliance Section of the operational status of the facility. 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 Water Quality Compliance Section of the permittee's intent to cease operation without resuming activity for which the facility was designed or operated.

2.9.1 Closure Plan

Within 90 days following notification of closure, the permittee shall submit for approval to the Water Permits Section, a detailed Closure Plan which meets the requirements of A.R.S. § 49-252 and A.A.C. R18-9-A209(B)(1)(a).

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 Water Permits Section 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 aquifer water quality standards at the applicable point of compliance;
3. Continued action is required to verify that the closure design has eliminated discharge to the extent intended;
4. Remedial or mitigative measures are necessary to achieve compliance with Title 49, Ch. 2;
5. Further action is necessary to meet property use restrictions.

2.10 Post-Closure [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 Water Permits Section.

In the event clean closure cannot be achieved pursuant to A.R.S. § 49-252, the permittee shall submit for approval to the Water Permits Section 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(29) 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.

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

For each compliance schedule item listed below, the permittee shall submit the required information, including a cover letter that lists the compliance schedule items, to the Water Permits Section. A copy of the cover letter must also be submitted to the Water Quality Compliance Section, Enforcement Unit.

1. Notify ADEQ within 15 days of the cessation of discharges to the recharge basins.
2. Notify ADEQ within 15 days of the installation and testing of the initial vadose zone or direct injection wells. Submit results of testing necessary to determine the available recharge rates and map showing location of the wells installed, including the latitudes and longitudes, within 30 days of the completion of testing.
3. Notify ADEQ within 15 days of completing the re-construction of the existing on-site well to meet monitoring well design requirements. ADEQ has approved the construction of the existing on-site well for use as a monitor well. The re-construction of the well entails installing a new casing that shall be perforated near the water table.
4. Sample the on-site monitor well for parameters listed in Table 2 within 7 days after the reconstruction of the well in item # 3 is completed. Submit a report of the results of testing and an "other" amendment request to establish AQLs as applicable in Table II. This information must be submitted within 30 days of completing the testing. If any AWQS are exceeded, then an upgradient well, outside of the zone of influence of the recharge should be installed to determine existing conditions.
5. Notify ADEQ within 15 days of the start-up and completion of construction of Phases 2, 3 and 4 of the WRP.
6. Notify ADEQ within 15 days upon commencing operation of the completed Phase 2, 3, or 4 of the WRP.
7. The facility shall increase flows from 1.0 MGD to 4.0 MGD only upon the construction of additional phases and only after notifying ADEQ by certified mail that additional phase(s) have been constructed.
8. Until all phases are constructed submit a report by January 31 of the next year for the previous year indicating the actual flow through WRP for the last month of previous year and number of phases in operation by the end of that year. This report shall be submitted yearly till all phases are constructed.
9. Upon completion of all phases the facility may request an "other" amendment to delete the monitoring Tables in section 4.0 that are not applicable.

4.0 TABLES OF MONITORING REQUIREMENTS

PHASE I (For Flows 1.0 MGD or less)**TABLE 1A
ROUTINE DISCHARGE MONITORING**

| Sampling Point Number | Sampling Point Identification | | Latitude | Longitude | |
|--------------------------------|-------------------------------|-----------------|------------------|----------------------|---------------------|
| 1 | Effluent pump station | | 33° 13' 43" N | 111° 33' 46" W | |
| Parameter | AL ¹ | DL ² | Units | Sampling Frequency | Reporting Frequency |
| Total Flow: Daily ³ | Not Established ⁴ | Not Established | MGD ⁵ | Daily ⁶ | Quarterly |
| Total Flow: Average Monthly | 0.95 | 1.0 | MGD | Monthly ⁷ | Quarterly |

| Sampling Point Number | Sampling Point Identification | | Latitude | Longitude | |
|--|-------------------------------|------|-------------------------|-----------------------|---------------------|
| 1 | Effluent pump station | | 33° 13' 43" N | 111° 33' 46" W | |
| Parameter | AL | DL | Units | Sampling Frequency | Reporting Frequency |
| Fecal Coliform Single sample maximum | No Limit | 23 | CFU or MPN ⁸ | Monthly | Quarterly |
| Fecal Coliform Seven sample median | No Limit | 2.2 | CFU or MPN | Monthly | Quarterly |
| Total Nitrogen ⁹ : 5-sampling rolling geometric mean. | 8.0 | 10.0 | mg/l | Monthly ¹⁰ | Quarterly |

¹ AL = Alert Level.² DL = Discharge Limit.³ Total flow is measured in million gallons per day (MGD)⁴ Reserved = Monitoring required but no limits have been specified at time of permit issuance.⁵ MGD = Million Gallons per Day.⁶ Flow shall be measured using a continuous recording flow meter.⁷ Monthly = Calculated value = Average of daily flows in a month.⁸ CFU = Colony Forming Units / 100 ml sample. MPN = Most Probable Number / 100 ml sample⁹ Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen.¹⁰ A 5-Month Geometric Mean of the results of the 5 most recent samples.

4.0 TABLES OF MONITORING REQUIREMENTS

TABLE 1A
ROUTINE DISCHARGE MONITORING (Continued)

| Parameter | AL | DL | Units | Sampling Frequency | Reporting Frequency |
|-------------------------------------|--------|-------|-------|--------------------|---------------------|
| Metals (Total)¹¹: | | | | | |
| Antimony | 0.0048 | 0.006 | mg/l | Quarterly | Quarterly |
| Arsenic | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Barium | 1.60 | 2.00 | mg/l | Quarterly | Quarterly |
| Beryllium | 0.0032 | 0.004 | mg/l | Quarterly | Quarterly |
| Cadmium | 0.004 | 0.005 | mg/l | Quarterly | Quarterly |
| Chromium | 0.08 | 0.1 | mg/l | Quarterly | Quarterly |
| Cyanide (As free cyanide) | 0.16 | 0.2 | mg/l | Quarterly | Quarterly |
| Fluoride | 3.2 | 4.0 | mg/l | Quarterly | Quarterly |
| Lead | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Mercury | 0.0016 | 0.002 | mg/l | Quarterly | Quarterly |
| Nickel | 0.08 | 0.1 | mg/l | Quarterly | Quarterly |
| Selenium | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Thallium | 0.0016 | 0.002 | mg/l | Quarterly | Quarterly |

11

If the Discharge Limit for listed pollutants has not been exceeded in all of eight (8) consecutive quarters, the owner or operator may apply to ADEQ's Water Permits Section to request this permit so as to reduce sampling and reporting frequencies for these pollutants.

4.0 TABLES OF MONITORING REQUIREMENTS

TABLE 1A
 ROUTINE DISCHARGE MONITORING (Continued)

| Parameter | AL | DL | Units | Sampling Frequency | Reporting Frequency |
|---|--------|-------|-------|--------------------|---------------------|
| Volatile Organic Compounds (VOCs) ¹² : | | | | | |
| Benzene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Carbon tetrachloride | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| o-Dichlorobenzene | 0.48 | 0.6 | mg/l | Semi-Annually | Semi-Annually |
| para-Dichlorobenzene | 0.06 | 0.075 | mg/l | Semi-Annually | Semi-Annually |
| 1,2-Dichloroethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| 1,1-Dichloroethylene | 0.0056 | 0.007 | mg/l | Semi-Annually | Semi-Annually |
| cis-1,2-Dichloroethylene | 0.05 | 0.07 | mg/l | Semi-Annually | Semi-Annually |
| trans-1,2-Dichloroethylene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Dichloromethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| 1,2-Dichloropropane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Ethylbenzene | 0.56 | 0.7 | mg/l | Semi-Annually | Semi-Annually |
| Monochlorobenzene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Styrene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Tetrachloroethylene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Toluene | 0.8 | 1.0 | mg/l | Semi-Annually | Semi-Annually |
| Trihalomethanes (total) ¹³ | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| 1,1,1-Trichloroethane | 0.16 | 0.2 | mg/l | Semi-Annually | Semi-Annually |
| 1,2,4 - Trichlorobenzene | 0.056 | 0.07 | mg/l | Semi-Annually | Semi-Annually |
| 1,1,2 - Trichloroethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Trichloroethylene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Vinyl Chloride | 0.0016 | 0.002 | mg/l | Semi-Annually | Semi-Annually |
| Xylenes (Total) | 8.0 | 10.0 | mg/l | Semi-Annually | Semi-Annually |

¹² If the Discharge Limit for listed pollutants has not been exceeded in all of four (4) semi-annual sampling events, the owner or operator may apply to ADEQ's Water Permits Section to request this permit so as to reduce sampling and reporting frequencies for these pollutants.

¹³ Total Trihalomethanes comprises of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

PHASE II (For Flows 2.0 MGD or less)

TABLE 1A
ROUTINE DISCHARGE MONITORING

| Sampling Point Number | Sampling Point Identification | | Latitude | Longitude | |
|---------------------------------|-------------------------------|------------------|-------------------|-----------------------|---------------------|
| 1 | Effluent pump station | | 33° 13' 43" N | 111° 33' 46" W | |
| Parameter | AL ¹⁴ | DL ¹⁵ | Units | Sampling Frequency | Reporting Frequency |
| Total Flow: Daily ¹⁶ | Not Established ¹⁷ | Not Established | MGD ¹⁸ | Daily ¹⁹ | Quarterly |
| Total Flow: Average Monthly | 1.90 | 2.0 | MGD | Monthly ²⁰ | Quarterly |

| Sampling Point Number | Sampling Point Identification | | Latitude | Longitude | |
|--|-------------------------------|------|-----------------------------|-----------------------|---------------------|
| 1 | Effluent pump station | | 33° 13' 43" N | 111° 33' 46" W | |
| Parameter | AL | DL | Units | Sampling Frequency | Reporting Frequency |
| Fecal Coliform Single sample maximum | No Limit | 23 | CFU or MPN ²¹ | Monthly | Quarterly |
| Fecal Coliform Seven sample median | No Limit | 2.2 | CFU or MPN | Monthly | Quarterly |
| Total Nitrogen ²² : 5- sampling rolling geometric mean. | 8.0 | 10.0 | mg/l | Monthly ²³ | Quarterly |

14

AL = Alert Level.

15

DL = Discharge Limit.

16

Total flow is measured in million gallons per day (MGD)

17

Reserved = Monitoring required but no limits have been specified at time of permit issuance.

18

MGD = Million Gallons per Day.

19

Flow shall be measured using a continuous recording flow meter.

20

Monthly = Calculated value = Average of daily flows in a month.

21

CFU = Colony Forming Units / 100 ml sample. MPN = Most Probable Number / 100 ml sample

22

Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen.

23

A 5-Month Geometric Mean of the results of the 5 most recent samples.

4.0 TABLES OF MONITORING REQUIREMENTS

TABLE 1A
ROUTINE DISCHARGE MONITORING (Continued)

| Parameter | AL | DL | Units | Sampling Frequency | Reporting Frequency |
|-------------------------------------|--------|-------|-------|--------------------|---------------------|
| Metals (Total)²⁴: | | | | | |
| Antimony | 0.0048 | 0.006 | mg/l | Quarterly | Quarterly |
| Arsenic | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Barium | 1.60 | 2.00 | mg/l | Quarterly | Quarterly |
| Beryllium | 0.0032 | 0.004 | mg/l | Quarterly | Quarterly |
| Cadmium | 0.004 | 0.005 | mg/l | Quarterly | Quarterly |
| Chromium | 0.08 | 0.1 | mg/l | Quarterly | Quarterly |
| Cyanide (As free cyanide) | 0.16 | 0.2 | mg/l | Quarterly | Quarterly |
| Fluoride | 3.2 | 4.0 | mg/l | Quarterly | Quarterly |
| Lead | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Mercury | 0.0016 | 0.002 | mg/l | Quarterly | Quarterly |
| Nickel | 0.08 | 0.1 | mg/l | Quarterly | Quarterly |
| Selenium | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Thallium | 0.0016 | 0.002 | mg/l | Quarterly | Quarterly |

24

If the Discharge Limit for listed pollutants has not been exceeded in all of eight (8) consecutive quarters, the owner or operator may apply to ADEQ's Water Permits Section to request this permit so as to reduce sampling and reporting frequencies for these pollutants.

4.0 TABLES OF MONITORING REQUIREMENTS

TABLE 1A
 ROUTINE DISCHARGE MONITORING (Continued)

| Parameter | AL | DL | Units | Sampling Frequency | Reporting Frequency |
|---|--------|-------|-------|--------------------|---------------------|
| Volatile Organic Compounds (VOCs) ²⁵ : | | | | | |
| Benzene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Carbon tetrachloride | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| o-Dichlorobenzene | 0.48 | 0.6 | mg/l | Semi-Annually | Semi-Annually |
| para-Dichlorobenzene | 0.06 | 0.075 | mg/l | Semi-Annually | Semi-Annually |
| 1,2-Dichloroethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| 1,1-Dichloroethylene | 0.0056 | 0.007 | mg/l | Semi-Annually | Semi-Annually |
| cis-1,2-Dichloroethylene | 0.05 | 0.07 | mg/l | Semi-Annually | Semi-Annually |
| trans-1,2-Dichloroethylene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Dichloromethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| 1,2-Dichloropropane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Ethylbenzene | 0.56 | 0.7 | mg/l | Semi-Annually | Semi-Annually |
| Monochlorobenzene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Styrene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Tetrachloroethylene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Toluene | 0.8 | 1.0 | mg/l | Semi-Annually | Semi-Annually |
| Trihalomethanes (total) ²⁶ | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| 1,1,1-Trichloroethane | 0.16 | 0.2 | mg/l | Semi-Annually | Semi-Annually |
| 1,2,4 - Trichlorobenzene | 0.056 | 0.07 | mg/l | Semi-Annually | Semi-Annually |
| 1,1,2 - Trichloroethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Trichloroethylene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Vinyl Chloride | 0.0016 | 0.002 | mg/l | Semi-Annually | Semi-Annually |
| Xylenes (Total) | 8.0 | 10.0 | mg/l | Semi-Annually | Semi-Annually |

²⁵ If the Discharge Limit for listed pollutants has not been exceeded in all of four (4) semi-annual sampling events, the owner or operator may apply to ADEQ's Water Permits Section to request this permit so as to reduce sampling and reporting frequencies for these pollutants.

²⁶ Total Trihalomethanes comprises of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

PHASE III (For Flows 3.0 MGD or less)**TABLE 1A
ROUTINE DISCHARGE MONITORING**

| Sampling Point Number | Sampling Point Identification | | Latitude | Longitude | |
|---------------------------------|-------------------------------|------------------|-------------------|-----------------------|---------------------|
| 1 | Effluent pump station | | 33° 13' 43" N | 111° 33' 46" W | |
| Parameter | AL ²⁷ | DL ²⁸ | Units | Sampling Frequency | Reporting Frequency |
| Total Flow: Daily ²⁹ | Not Established ³⁰ | Not Established | MGD ³¹ | Daily ³² | Quarterly |
| Total Flow: Average Monthly | 2.85 | 3.0 | MGD | Monthly ³³ | Quarterly |

| Sampling Point Number | Sampling Point Identification | | Latitude | Longitude | |
|---|-------------------------------|------|--------------------------|-----------------------|---------------------|
| 1 | Effluent pump station | | 33° 13' 43" N | 111° 33' 46" W | |
| Parameter | AL | DL | Units | Sampling Frequency | Reporting Frequency |
| Fecal Coliform Single sample maximum | No Limit | 23 | CFU or MPN ³⁴ | Monthly | Quarterly |
| Fecal Coliform Seven sample median | No Limit | 2.2 | CFU or MPN | Monthly | Quarterly |
| Total Nitrogen ³⁵ : 5-sampling rolling geometric mean. | 8.0 | 10.0 | mg/l | Monthly ³⁶ | Quarterly |

27

AL = Alert Level.

28

DL = Discharge Limit.

29

Total flow is measured in million gallons per day (MGD)

30

Reserved = Monitoring required but no limits have been specified at time of permit issuance.

31

MGD = Million Gallons per Day.

32

Flow shall be measured using a continuous recording flow meter.

33

Monthly = Calculated value = Average of daily flows in a month.

34

CFU = Colony Forming Units / 100 ml sample. MPN = Most Probable Number / 100 ml sample

35

Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen.

36

A 5-Month Geometric Mean of the results of the 5 most recent samples.

4.0 TABLES OF MONITORING REQUIREMENTS

TABLE 1A
ROUTINE DISCHARGE MONITORING (Continued)

| Parameter | AL | DL | Units | Sampling Frequency | Reporting Frequency |
|-------------------------------------|--------|-------|-------|--------------------|---------------------|
| Metals (Total)³⁷: | | | | | |
| Antimony | 0.0048 | 0.006 | mg/l | Quarterly | Quarterly |
| Arsenic | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Barium | 1.60 | 2.00 | mg/l | Quarterly | Quarterly |
| Beryllium | 0.0032 | 0.004 | mg/l | Quarterly | Quarterly |
| Cadmium | 0.004 | 0.005 | mg/l | Quarterly | Quarterly |
| Chromium | 0.08 | 0.1 | mg/l | Quarterly | Quarterly |
| Cyanide (As free cyanide) | 0.16 | 0.2 | mg/l | Quarterly | Quarterly |
| Fluoride | 3.2 | 4.0 | mg/l | Quarterly | Quarterly |
| Lead | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Mercury | 0.0016 | 0.002 | mg/l | Quarterly | Quarterly |
| Nickel | 0.08 | 0.1 | mg/l | Quarterly | Quarterly |
| Selenium | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Thallium | 0.0016 | 0.002 | mg/l | Quarterly | Quarterly |

³⁷

If the Discharge Limit for listed pollutants has not been exceeded in all of eight (8) consecutive quarters, the owner or operator may apply to ADEQ's Water Permits Section to request this permit so as to reduce sampling and reporting frequencies for these pollutants.

4.0 TABLES OF MONITORING REQUIREMENTS

TABLE 1A
 ROUTINE DISCHARGE MONITORING (Continued)

| Parameter | AL | DL | Units | Sampling Frequency | Reporting Frequency |
|---|--------|-------|-------|--------------------|---------------------|
| Volatile Organic Compounds (VOCs) ³⁸ : | | | | | |
| Benzene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Carbon tetrachloride | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| o-Dichlorobenzene | 0.48 | 0.6 | mg/l | Semi-Annually | Semi-Annually |
| para-Dichlorobenzene | 0.06 | 0.075 | mg/l | Semi-Annually | Semi-Annually |
| 1,2-Dichloroethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| 1,1-Dichloroethylene | 0.0056 | 0.007 | mg/l | Semi-Annually | Semi-Annually |
| cis-1,2-Dichloroethylene | 0.05 | 0.07 | mg/l | Semi-Annually | Semi-Annually |
| trans-1,2-Dichloroethylene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Dichloromethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| 1,2-Dichloropropane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Ethylbenzene | 0.56 | 0.7 | mg/l | Semi-Annually | Semi-Annually |
| Monochlorobenzene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Styrene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Tetrachloroethylene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Toluene | 0.8 | 1.0 | mg/l | Semi-Annually | Semi-Annually |
| Trihalomethanes (total) ³⁹ | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| 1,1,1-Trichloroethane | 0.16 | 0.2 | mg/l | Semi-Annually | Semi-Annually |
| 1,2,4 - Trichlorobenzene | 0.056 | 0.07 | mg/l | Semi-Annually | Semi-Annually |
| 1,1,2 - Trichloroethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Trichloroethylene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Vinyl Chloride | 0.0016 | 0.002 | mg/l | Semi-Annually | Semi-Annually |
| Xylenes (Total) | 8.0 | 10.0 | mg/l | Semi-Annually | Semi-Annually |

³⁸ If the Discharge Limit for listed pollutants has not been exceeded in all of four (4) semi-annual sampling events, the owner or operator may apply to ADEQ's Water Permits Section to request this permit so as to reduce sampling and reporting frequencies for these pollutants.

³⁹ Total Trihalomethanes comprises of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

PHASE IV (For Flows 4.0 MGD or less)

TABLE 1A
ROUTINE DISCHARGE MONITORING

| Sampling Point Number | Sampling Point Identification | | Latitude | Longitude | |
|---------------------------------|-------------------------------|------------------|-------------------|-----------------------|---------------------|
| 1 | Effluent pump station | | 33° 13' 43" N | 111° 33' 46" W | |
| Parameter | AL ⁴⁰ | DL ⁴¹ | Units | Sampling Frequency | Reporting Frequency |
| Total Flow: Daily ⁴² | Not Established ⁴³ | Not Established | MGD ⁴⁴ | Daily ⁴⁵ | Quarterly |
| Total Flow: Average Monthly | 3.8 | 4.0 | MGD | Monthly ⁴⁶ | Quarterly |

| Sampling Point Number | Sampling Point Identification | | Latitude | Longitude | |
|--|-------------------------------|------|-----------------------------|-----------------------|---------------------|
| 1 | Effluent pump station | | 33° 13' 43" N | 111° 33' 46" W | |
| Parameter | AL | DL | Units | Sampling Frequency | Reporting Frequency |
| Fecal Coliform Single sample maximum | No Limit | 23 | CFU or MPN ⁴⁷ | Monthly | Quarterly |
| Fecal Coliform Seven sample median | No Limit | 2.2 | CFU or MPN | Monthly | Quarterly |
| Total Nitrogen ⁴⁸ : 5- sampling rolling geometric mean. | 8.0 | 10.0 | mg/l | Monthly ⁴⁹ | Quarterly |

40

AL = Alert Level.

41

DL = Discharge Limit.

42

Total flow is measured in million gallons per day (MGD)

43

Reserved = Monitoring required but no limits have been specified at time of permit issuance.

44

MGD = Million Gallons per Day.

45

Flow shall be measured using a continuous recording flow meter.

46

Monthly = Calculated value = Average of daily flows in a month.

47

CFU = Colony Forming Units / 100 ml sample. MPN = Most Probable Number / 100 ml sample

48

Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen.

49

A 5-Month Geometric Mean of the results of the 5 most recent samples.

4.0 TABLES OF MONITORING REQUIREMENTS

TABLE 1A
ROUTINE DISCHARGE MONITORING (Continued)

| Parameter | AL | DL | Units | Sampling Frequency | Reporting Frequency |
|-------------------------------------|--------|-------|-------|--------------------|---------------------|
| Metals (Total)⁵⁰: | | | | | |
| Antimony | 0.0048 | 0.006 | mg/l | Quarterly | Quarterly |
| Arsenic | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Barium | 1.60 | 2.00 | mg/l | Quarterly | Quarterly |
| Beryllium | 0.0032 | 0.004 | mg/l | Quarterly | Quarterly |
| Cadmium | 0.004 | 0.005 | mg/l | Quarterly | Quarterly |
| Chromium | 0.08 | 0.1 | mg/l | Quarterly | Quarterly |
| Cyanide (As free cyanide) | 0.16 | 0.2 | mg/l | Quarterly | Quarterly |
| Fluoride | 3.2 | 4.0 | mg/l | Quarterly | Quarterly |
| Lead | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Mercury | 0.0016 | 0.002 | mg/l | Quarterly | Quarterly |
| Nickel | 0.08 | 0.1 | mg/l | Quarterly | Quarterly |
| Selenium | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Thallium | 0.0016 | 0.002 | mg/l | Quarterly | Quarterly |

⁵⁰

If the Discharge Limit for listed pollutants has not been exceeded in all of eight (8) consecutive quarters, the owner or operator may apply to ADEQ's Water Permits Section to request this permit so as to reduce sampling and reporting frequencies for these pollutants.

4.0 TABLES OF MONITORING REQUIREMENTS

TABLE 1A
ROUTINE DISCHARGE MONITORING (Continued)

| Parameter | AL | DL | Units | Sampling Frequency | Reporting Frequency |
|---|--------|-------|-------|--------------------|---------------------|
| Volatile Organic Compounds (VOCs) ⁵¹ : | | | | | |
| Benzene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Carbon tetrachloride | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| o-Dichlorobenzene | 0.48 | 0.6 | mg/l | Semi-Annually | Semi-Annually |
| para-Dichlorobenzene | 0.06 | 0.075 | mg/l | Semi-Annually | Semi-Annually |
| 1,2-Dichloroethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| 1,1-Dichloroethylene | 0.0056 | 0.007 | mg/l | Semi-Annually | Semi-Annually |
| cis-1,2-Dichloroethylene | 0.05 | 0.07 | mg/l | Semi-Annually | Semi-Annually |
| trans-1,2-Dichloroethylene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Dichloromethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| 1,2-Dichloropropane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Ethylbenzene | 0.56 | 0.7 | mg/l | Semi-Annually | Semi-Annually |
| Monochlorobenzene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Styrene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Tetrachloroethylene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Toluene | 0.8 | 1.0 | mg/l | Semi-Annually | Semi-Annually |
| Trihalomethanes (total) ⁵² | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| 1,1,1-Trichloroethane | 0.16 | 0.2 | mg/l | Semi-Annually | Semi-Annually |
| 1,2,4 - Trichlorobenzene | 0.056 | 0.07 | mg/l | Semi-Annually | Semi-Annually |
| 1,1,2 - Trichloroethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Trichloroethylene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Vinyl Chloride | 0.0016 | 0.002 | mg/l | Semi-Annually | Semi-Annually |
| Xylenes (Total) | 8.0 | 10.0 | mg/l | Semi-Annually | Semi-Annually |

⁵¹ If the Discharge Limit for listed pollutants has not been exceeded in all of four (4) semi-annual sampling events, the owner or operator may apply to ADEQ's Water Permits Section to request this permit so as to reduce sampling and reporting frequencies for these pollutants.

⁵² Total Trihalomethanes comprises of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

4.0 TABLES OF MONITORING REQUIREMENTS

TABLE 1B
RECLAIMED WATER MONITORING TABLE – CLASS B+⁵³

| Sampling Point Number | Sampling Point Identification | Latitude | Longitude |
|-----------------------|-------------------------------|---------------|----------------|
| 1 | Effluent pump Station | 33° 13' 43" N | 111° 33' 46" W |

| Parameter | DL | Units | Sampling Frequency | Reporting Frequency |
|---|-------------------|--------------------------|------------------------|---------------------|
| Flow: Daily | Reserved | MGD ⁵⁴ | Everyday ⁵⁵ | Quarterly |
| Flow: Total monthly flow provided for reuse | Reserved | MGD | Monthly Calculation | Quarterly |
| Total Nitrogen ⁵⁶ : Five-sample rolling geometric mean | 10.0 | mg/l | Monthly | Quarterly |
| Fecal Coliform: Single-sample maximum | 800 | CFU or MPN ⁵⁷ | Daily ⁵⁸ | Quarterly |
| Fecal Coliform: Four (4) of last seven (7) samples | 200 ⁵⁹ | CFU or MPN | Daily | Quarterly |

⁵³ Reclaimed water monitoring is in addition to routine discharge monitoring.

⁵⁴ Million Gallons per Day

⁵⁵ Flow rate shall be measured using a continuously recording flow meter.

⁵⁶ Nitrate N, plus Nitrite N, plus Total Kjeldahl Nitrogen (TKN)

⁵⁷ CFU = Colony Forming Units per 100 ml; MPN = Most Probable Number per 100 ml.

⁵⁸ For fecal coliform, "daily" sampling means every day in which a sample can practicably be obtained and delivered in sufficient time for proper analysis, provided that no less than four (4) samples in each calendar week are obtained and analyzed.

⁵⁹ If at least four (4) of the last seven (7) samples are equal to or less than 200 CFU or MPN per 100 ml, report "yes" in the appropriate space on the SMRF (indicating that the standard has been met). If at least four (4) of the last seven (7) samples are greater than 200 CFU or MPN per 100 ml, report "no" in the appropriate space on the SMRF (indicating that the standard has not been met).

4.0 TABLES OF MONITORING REQUIREMENTS

TABLE II
GROUNDWATER MONITORING

| Sampling Point Number | Sampling Point Identification | | Latitude | Longitude | |
|-------------------------------|-------------------------------|-----------------------|--------------------------|--------------------|---------------------|
| 2 | MW #1 | | 33° 13' 49" N | 111° 33' 43" W | |
| Parameter | AL ⁶⁰ | AQL ⁶¹ | Units | Sampling Frequency | Reporting Frequency |
| Total Nitrogen ⁶² | Not Established ⁶³ | Not Established | mg/l | Monthly | Quarterly |
| Nitrate-Nitrite as N | Not Established | Not Established | mg/l | Monthly | Quarterly |
| Total Kjeldahl Nitrogen (TKN) | Not Established | Not Established | mg/l | Monthly | Quarterly |
| Total Coliform | Absence | Absence ⁶⁴ | CFU or MPN ⁶⁵ | Monthly | Quarterly |

⁶⁰ AL = Alert Level

⁶¹ AQL = Aquifer Quality Limit

⁶² Total Nitrogen is equal to nitrate as N plus nitrite as N plus TKN.

⁶³ Not Established = Monitoring required, but no limits have been established at this time.

⁶⁴ A positive result for total coliform may be verified with an analysis for fecal coliform. A positive result for fecal coliform shall be considered an exceedance of the AQL for total coliform.

⁶⁵ CFU = Colony Forming Units per 100 ml, MPN = Most Probable Number per 100 ml.

4.0 TABLE OF MONITORING REQUIREMENTS

TABLE II
GROUNDWATER MONITORING (Continued)

| Parameter | AL | AQL | Units | Sampling Frequency | Reporting Frequency |
|---------------------------|--------|-------|-------|--------------------|---------------------|
| Metals (Total): | | | | | |
| Antimony | 0.0048 | 0.006 | mg/l | Quarterly | Quarterly |
| Arsenic | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Barium | 1.60 | 2.00 | mg/l | Quarterly | Quarterly |
| Beryllium | 0.0032 | 0.004 | mg/l | Quarterly | Quarterly |
| Cadmium | 0.004 | 0.005 | mg/l | Quarterly | Quarterly |
| Chromium | 0.08 | 0.1 | mg/l | Quarterly | Quarterly |
| Cyanide (As free cyanide) | 0.16 | 0.2 | mg/l | Quarterly | Quarterly |
| Fluoride | 3.2 | 4.0 | mg/l | Quarterly | Quarterly |
| Lead | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Mercury | 0.0016 | 0.002 | mg/l | Quarterly | Quarterly |
| Nickel | 0.08 | 0.1 | mg/l | Quarterly | Quarterly |
| Selenium | 0.04 | 0.05 | mg/l | Quarterly | Quarterly |
| Thallium | 0.0016 | 0.002 | mg/l | Quarterly | Quarterly |

4.0 TABLES OF MONITORING REQUIREMENTS

TABLE II
GROUNDWATER MONITORING (Continued)

| Parameter | AL | AQL | Units | Sampling Frequency | Reporting Frequency |
|---------------------------------------|--------|-------|-------|--------------------|---------------------|
| Volatile Organic Compounds (VOCs): | | | | | |
| Benzene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Carbon tetrachloride | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| o-Dichlorobenzene | 0.48 | 0.6 | mg/l | Semi-Annually | Semi-Annually |
| para-Dichlorobenzene | 0.06 | 0.075 | mg/l | Semi-Annually | Semi-Annually |
| 1,2-Dichloroethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| 1,1-Dichloroethylene | 0.0056 | 0.007 | mg/l | Semi-Annually | Semi-Annually |
| cis-1,2-Dichloroethylene | 0.05 | 0.07 | mg/l | Semi-Annually | Semi-Annually |
| trans-1,2-Dichloroethylene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Dichloromethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| 1,2-Dichloropropane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Ethylbenzene | 0.56 | 0.7 | mg/l | Semi-Annually | Semi-Annually |
| Monochlorobenzene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Styrene | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| Tetrachloroethylene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Toluene | 0.8 | 1.0 | mg/l | Semi-Annually | Semi-Annually |
| Trihalomethanes (total) ⁶⁶ | 0.08 | 0.1 | mg/l | Semi-Annually | Semi-Annually |
| 1,1,1-Trichloroethane | 0.16 | 0.2 | mg/l | Semi-Annually | Semi-Annually |
| 1,2,4 - Trichlorobenzene | 0.056 | 0.07 | mg/l | Semi-Annually | Semi-Annually |
| 1,1,2 - Trichloroethane | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Trichloroethylene | 0.004 | 0.005 | mg/l | Semi-Annually | Semi-Annually |
| Vinyl Chloride | 0.0016 | 0.002 | mg/l | Semi-Annually | Semi-Annually |
| Xylenes (Total) | 8.0 | 10.0 | mg/l | Semi-Annually | Semi-Annually |

⁶⁶Total Trihalomethanes comprises of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

TABLE III
FACILITY INSPECTION (Operational Monitoring)

| Pollution Control Structures/Parameter | Performance Levels | Inspection Frequency |
|---|--|-----------------------------|
| Pump Integrity | Good Working Condition | Weekly |
| Treatment Plant Components | Good Working Condition | Weekly |
| Effects of Subsidence and Fissuring on the WRP structures and effluent disposal sites | Not enough to cause leakage of greater than 550 gpd/acre | Monthly |

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: 12/11/2003 (orig. APP), 11/29/2004 (sig. amend.)
2. Contingency Plan, dated: 12/11/2003
3. Final Hydrologist Report dated: 6/21/2004 (orig. APP), 4/27/05 (sig. amend)
4. Final Engineering Report dated: 11/16/2004 (orig. APP), 4/26/05 (sig. amend.)
5. Public Notice dated: 4/7/04 (orig. APP), 4/30/05 (sig. amend)
6. Public Hearing, dated: N/A
7. Responsiveness Summary, dated: N/A

6.0 GENERAL CONDITIONS AND RESPONSIBILITIES

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 upon the amount of daily influent or discharge of pollutants in gallons per day as established by A.R.S. § 49-242(D).

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 Severability [A.R.S. § 49-243(K)(8)]

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.

6.5 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 aquifer water quality standard at the applicable point of compliance for the facility. Where, at the time of issuance of the permit, an aquifer already exceeds an aquifer water quality standard 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.

6.6 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(D), shall be in effect prior to any discharge authorized by this permit and shall remain in effect for the duration of the permit.

6.7 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.
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.

6.8 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.

6.9 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.

6.10 Inspection and Entry [A.R.S. §§ 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.

6.11 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.

6.12 Permit Action: Amendment, Transfer, Suspension & 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, renewed, or revoked for cause, under the rules of the Department. The filing of a request by the permittee for a permit action does not stay or suspend the effectiveness of any existing permit condition. The Director shall issue a public notice of all proposed permit actions pursuant to A.A.C. R18-9-A211, R18-9-A212 and R18-9-A213.

6.12.1 Permit Reopen

The Director may reopen this permit and amend it pursuant to A.A.C. R18-9-A211.

6.12.2 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 will be approved until the

applicant complies with all transfer requirements as specified in A.A.C. R18-9-A212(B) and (C).

The permittee shall notify the Water Permits Section 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.