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SALLQUIST, DRUMMOND & O'CONNOR P.C.

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RICHARD L. SALLQUIST

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March 21, 2008

Arizona Corporation Commission  
DOCKETED

MAR 21 2008

HAND DELIVERY

Brian Bozzo  
Arizona Corporation Commission  
Utilities Division  
1200 West Washington Street  
Phoenix, Arizona 85007

DOCKETED BY *mm*

Re: Utility Source, LLC; Docket No WS-04235A-05-0707; Decision No. 68962; Request for Extension of Time to Comply

Dear Mr. Bozzo:

You requested that I update and supplement our September 19, 2007 Request for Extension of Time to Comply with the subject Decision, which request preceded the Compliance Dates established in the September 21, 2006 Decision. I have attached a copy of that Request for your easy reference.

The Decision required that seven individual items be filed for the system and the various parcels within the extension:

System

- 1. Aqua Protection Permit
- 2. 208 Permit Amendment
- 3. Coconino County Franchise

Parcel A (Flagstaff Meadows Unit III)

- 4. Water Approval to Construct

Parcel B (306 Unit Mobile Home Park)

- 5. Wastewater Approval to Construct

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Parcel C (20 acre Commercial Parcel)

6. Wastewater Approval to Construct

Parcel F (Company's Wastewater Treatment Plant Site)

7. Water Approval to Construct

The Company has filed Items 1, 4, (the ATC for both water and wastewater, although the wastewater ATC was not required by the Decision), and Item 7 in the September 19, 2007 filing. I am also enclosing another copy of the APP dated September 13, 2001, and the Significant Amendment thereto dated March 25, 2005 as you specifically requested.

Item 2, as attached, is the ADEQ 208 Consistency Review Form dated December 19, 2006, which concludes that this Application is "Not Inconsistent" with the 208 Plan.

Item 3 is pending in a September 17, 2007 Franchise Application to the Office of the Clerk of the Coconino County Board of Supervisors and is awaiting a formal extension of the Compliance Date to continue processing. A copy of that Application, without Exhibits, is also attached.

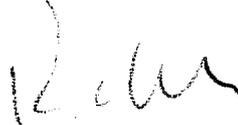
Item 5 is the subject of a pending water service dispute in Docket No. WS-04235A-07-0674. It is not expected that the wastewater service will be resolved until the water service has been resolved.

Item 6 is awaiting the market for development, but is adjacent to the Flagstaff Meadows III line, Item 4 above, so no additional transmission line will be required.

Although not required by the Decision, also enclosed is the ATC dated December 20, 2007 for the tie line between Well #4 and the Company's existing transmission system.

Based on the above, I believe the only Items which is not completed and for which an extension is needed would be Items 3 and 5. In the event you have any questions regarding these matters please do not hesitate to contact the undersigned.

Sincerely,



Richard L. Sallquist

Enclosures

cc: Docket Control (15 copies)  
Lonnie McCleve

SALLQUIST, DRUMMOND & O'CONNOR P.C.

ATTORNEYS AT LAW

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AZ CORP COMMISSION

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RICHARD L. SALLQUIST

September 19, 2007

**HAND DELIVERY**

Ms. Shaunna Lee-Rice  
Arizona Corporation Commission  
Docket Control  
1200 West Washington Street  
Phoenix, Arizona 85007

Re: Utility Source, LLC.; Docket No WS-04235A-05-0707; Decision No. 68962;  
Compliance filing and Request for Extension of Time to Comply

Dear Ms. Lee-Rice:

The subject Decision requires the Company to file four items within 365 days of the Decision. The Water Approval to Construct ("ATC"), the Wastewater Approval to Construct, and the Aqua Protection Permit ("APP") & 208 Permit are all related to the new development within the expansion area.

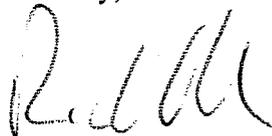
Enclosed is the APP for the system, as well as the Wastewater Construction Authorization, formerly known as the ATC, and the Water ATC for Flagstaff Meadows Unit III, the largest parcel in the expansion area. As the Commission is no doubt aware, development suffered a sharp decline at about the time the Decision issued. The Company is working with the Developer of Parcel C in Section 35 of the wastewater expansion area, and expects their engineering plans to be finalized this month. Those plans will permit the submission to ADEQ for that Approval. The turnaround on the ATC applications is running about 60 days. The Franchise Application has been submitted to Coconino County, and we expect that to be approved within 60-90 days.

Therefore, the Company hereby requests that the compliance dates set forth in the subject Decision be extended by one year to September 20, 2008 for those outstanding items. We certainly will file each of those requirements if received before the requested extension date.

Ms. Shauna Lee-Rice  
September 19, 2007  
Page 2

Your consideration in this matter is appreciated. In the event you have any questions regarding these matters please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Sallquist". The signature is fluid and cursive, with the first name "Richard" and last name "Sallquist" clearly distinguishable.

Richard L. Sallquist

Cc: Utilities Division  
Lonnie McCleve



Janet Napolitano  
Governor

# ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

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



Stephen A. Owens  
Director

July 31, 2007

Guillermo E. Cortes  
110 W Dale Ave  
Flagstaff, AZ 86001

Re: Flagstaff Meadows-Unit 3, Phase 1 –Substantive Review Phase  
ADEQ File # 20070475, LTF# 44624

Dear Mr. Cortes:

The Arizona Department of Environmental Quality (ADEQ), APP Residential Unit has completed the preconstruction review for the above sewer collection system. Enclosed is the Construction Authorization for a Type 4.01 Sewage Collection System General Permit, formerly known as a Provisional Verification or Approval to Construct.

According to Arizona Administrative Code (A.A.C) R18-9-A301(D)(1)(f), after completing construction of the sewage collection system and prior to discharging to the system, the permittee is required to submit to the Department applicable verification that the construction meets the requirements of General Permit 4.01. After completion of construction, please submit the "Request for Discharge Authorization for a Type 4.01 General Permit" with Engineer's Certificate of Completion, one set of as-built plans, and all required test results to:

Arizona Department of Environmental Quality  
Northern Regional Office  
1801 West Route 66, Suite 117  
Flagstaff, AZ 86001  
(928) 779-0313

Once ADEQ determines that the construction meets the requirements of A.A.C. R18-9-E301, a Discharge Authorization for a Type 4.01 Sewage Collection System General Permit will be issued, and the permittee may begin discharging wastewater to the system.

If the Department does not receive the Discharge Authorization within two years of the date of the Construction Authorization, the applicant is prohibited from continuing construction, and the

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

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

applicant is required to submit a new Notice of Intent to Discharge and any applicable review fees to begin or continue construction.

Sincerely,

*Fahmida Maula.*

Fahmida Maula, CFM  
APP Residential Unit

Enclosure: Construction Authorizations

cc: Amanda L. Broadwater, PE

ERP: 07-934



**CONSTRUCTION AUTHORIZATION**  
FOR A SEWAGE COLLECTION SYSTEM  
TYPE 4.01 GENERAL PERMIT

<b>Applicant Information:</b>		County: Coconino	
Name	Guillermo E. Cortes	ADEQ File No.	20070475
Address	110 W Dale Ave	Project Name:	Flagstaff Meadows-Unit 3, Phase 1
	Flagstaff, AZ-86001	LTF #:	44625
<b>Project Type(s)</b>		<b>Project Location:</b>	
<input checked="" type="checkbox"/> Gravity		Belle Mont, Arizona, ten miles west of Flagstaff.	
<input type="checkbox"/> Lift Station		<b>Project Description:</b>	
<input type="checkbox"/> Force Main		To construct approx. 6,785 linear feet (lf) 8-inch sewer pipes, 39 manholes, and related appurtenances.	
<input type="checkbox"/> Other:			
<b>Design Documents Approved for Construction</b>		Flagstaff Meadows	Treatment Facility
		WWTP Name: Wastewater Treatment Plant	Permitted Design Flow: 0.15 MGD
		APP Number 104083	System Capacity
		Sewage Collection System	Affirmation Date: 5/31/07
Document	Date	Capacity Affirmation Date: 5/31/07	
Notice of Intent to Discharge	6/7/07		
Site Plan	07/17/07	<b>Location of Downstream End of System Proposed Herein:</b>	
Design Plan	07/17/07	Township 21N	Range 5E Section 1 ¼ ¼ ¼
Operation & Maintenance Plan	06/14/07	Latitude 35 ° 14 '	7.5 " N
Other Document(s):	06/14/07	Longitude 111 ° 49 '	02 " W
		<b>Description of Area Served by Project:</b>	
		122 residential Units.	
<p><b>Construction Authorization:</b> This Construction Authorization is issued in accordance with Arizona Administrative Code (A.A.C.) Title 18, Chapter 9, Article 3, Part A, Section A301. The applicant is authorized to construct the facility at the location specified herein under terms and conditions of the requested general permit and applicable requirements of Arizona Revised Statutes Title 49, Chapter 2, and A.A.C. Title 18, Chapter 9. The applicant has two years from the approval date of this document to complete construction and submit the applicable verification documents specified in A.A.C. R18-9-E301(E). Construction shall conform with the approved design documents.</p>			
 Kwame A. Agyare, P.E.		Manager, Drinking Water & Wastewater Engineering Review Title	8/16/07 Date

Reviewer: FM3  
ERP: 07-934

REVISED MARCH 2006



**CERTIFICATE OF APPROVAL OF SANITARY FACILITIES FOR SUBDIVISIONS INCORPORATING SEWAGE COLLECTION SYSTEMS**

<b>SUBDIVISION:</b> Flagstaff Meadows -Unit-3, Phase 1		<b>ADEQ File No.</b> 20070475
<b>APPROVED LOTS</b> Lots 343-464 Total 122		<b>LTF No.</b> 44624
<b>Location:</b> Bellemonte Arizona, ten miles west of Flagstaff.		
<b>City/Town/Village:</b> Flagstaff		<b>County:</b> Coconino
<b>Section</b> 1	<b>Township</b> 21N	<b>Range</b> 5E
<b>Subdivider:</b> Empire Companies		
<b>Water Supplied By:</b> Belle Monte Truck Center Water System (PWS No. 03-300)		
<b>Sewage Treatment By:</b> Flagstaff Meadows Wastewater Treatment Plant (APP #104083)		
<b>Garbage Disposal By:</b> Waste Management of Arizona and Flagstaff Transfer Station disposal site		

The sanitary facilities of water supply, sewage treatment and garbage disposal as represented by the approved plan documents on file with the Arizona Department of Environmental Quality are hereby approved subject to the following Provisions:

- No "discharge" to the "waters of the United States" pursuant to Sections 301, 309, 402, 404, and 502 of the federal Clean Water Act (CWA) is authorized by this approval. If this project results in discharge to these waters, CWA permits are necessary before commencing the discharge, pursuant to the Code of Federal Regulations Titles 33 and/or 40. Any construction in a watercourse shall comply with all terms and conditions of the Section 404 Permit program which is administered by the U.S. Army Corps of Engineers.

This Certificate of Approval does NOT constitute an Individual or General Aquifer Protection Permit for the sewage collection system incorporated in this subdivision (see separate Provisional Verification of General Permit Conformance).

Stephen A. Owens, Director  
Arizona Department of Environmental Quality

  
Kwame A. Agyare, P.E., Manager,  
Drinking Water & Wastewater Engineering Review  
Water Quality Division

8/10/07  
Date

**CERTIFICATE DISTRIBUTION**  
Original Certificate and Plat:  
Engineering Review File No: 20070475  
Certificate Copy:  
Subdivider: Same above  
Agent: Amanda Broadwater  
Reviewer: FM3  
ERP: 07-935



**ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY  
 CERTIFICATE OF APPROVAL TO CONSTRUCT  
 WATER FACILITIES**

<b>ADEQ File No:</b> 20070475	<b>LTF No:</b> 44626
<b>System Name:</b> Bellemont Truck Center	<b>System Number:</b> 03-300
<b>Project Owner:</b> Empire Companies	
<b>Address:</b> 1016 W. University, Flagstaff, AZ 86001	
<b>Project Location:</b> Flagstaff	<b>County :</b> Coconino
<b>Description:</b> FLAGSTAFF MEADOWS UNIT 3-PHASE 1. INSTALLATION OF APPROXIMATELY 5,500 LF OF C-900 PVC WATERLINES AND RELATED FITTINGS. TO SERVE 122 SINGLE AND MULTI-FAMILY RESIDENTIAL LOTS.	

*Approval to construct the above-described facilities as represented in the approved documents on file with the Arizona Department of Environmental Quality is hereby given subject to provisions 1 through 4 continued on page 1 through 1*

1. This project must be constructed in accordance with all applicable laws, including Title 49, Chapter 2, Article 9 of the Arizona Revised Statutes and Title 18, Chapter 5, Article 5 of the Arizona Administrative Code.
2. Upon completion of construction, the engineer shall fill out the Engineer's Certificate of Completion and forward it to the Northern Regional Office located in Flagstaff. If all requirements have been completed, that unit will issue a Certificate of Approval of Construction. R18-5-507(B), Ariz. Admin. Code. At the project owner's request, the Department may conduct the final inspection required pursuant to R18-5-507(B); such a request must be made in writing in accordance with the time requirements of R18-5-507(C), Ariz. Admin. Code.
3. This certificate will be void if construction has not started within one year after the Certificate of Approval to Construct is issued, there is a halt in construction of more than one year, or construction is not completed within three years of the approval date. Upon receipt of a written request for an extension of time, the Department may grant an extension of time; an extension of time must be in writing. R18-5-505(E), Ariz. Admin. Code.
4. Operation of a newly constructed facility shall not begin until a Certificate of Approval of Construction has been issued by the Department. R18-5-507(A), Ariz. Admin. Code.

Reviewed by: FMS

By:  7/11/07  
 Kwame A. Agyare, P.E. Date  
 Manager, Drinking Water and  
 Wastewater Engineering Review  
 Water Quality Division

cc: File No: 20070475  
 Regional Office: Northern  
 Owner: Empire Companies  
 County Health Department: Coconino  
 Engineer: Shephard-Wesnitzer, Inc.  
 Planning and Zoning/Az Corp. Commission  
 Engineering Review Database - Etr021

**STATE OF ARIZONA  
AQUIFER PROTECTION PERMIT NO. P- 104083**

**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, Gilbert Road Investors is hereby authorized to operate the Flagstaff Meadows Wastewater Treatment Plant, located off exit 185 of Interstate 40, Bellmont, Coconino County, Arizona, over groundwater of the Little Colorado River Plateau Basin, in SW1/4, SW1/4, Section 36, Township 22N, Range 5E 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), provided that the facility is constructed, operated, and maintained:

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 are not violated at the applicable point(s) of compliance set forth below.

**1.1 PERMITTEE INFORMATION**

<b>Facility Name:</b>	Flagstaff Meadows Wastewater Treatment Plant (WWTP)	
<b>Permittee:</b>	<b>Mailing Address:</b>	<b>Facility's Street Address:</b>
Gilbert Road Investors, A Limited Partnership	721 E. San Pedro Gilbert, AZ 85234	Exit 185 off of Interstate 40 Bellmont, AZ 86015

**Facility Contact:** Mr. Lonnie McCleve, Owner

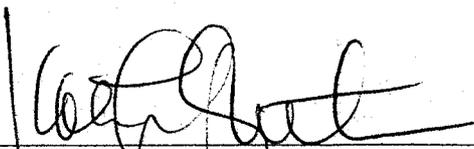
**Emergency Telephone Number:** (480) 892-5224

**Latitude:** 35° 14' 21" North

**Longitude:** 111° 49' 24" West

**Legal Description:** Township 22N, Range 5E, Section 36, SW1/4, SW1/4, SW1/4

**1.2 AUTHORIZING SIGNATURE**

  
\_\_\_\_\_  
**Karen L. Smith, Director**  
Water Quality Division  
Arizona Department of Environmental Quality  
Signed this 13<sup>th</sup> day of February 2001

**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 WWTP has a capacity to treat up to 150,000 gallons per day (gpd) wastewater from the Flagstaff Meadows residential subdivision and adjacent commercial properties. The treatment process consists of an influent pump station with a mechanical bar screen, an Upflow Sludge Blanket Filter that consists of an anoxic compartment, a clarifier and an aeration compartment, sand filters, chlorine contact tanks, dechlorination, a sludge thickener, a sludge bagger, an effluent pump station, and an effluent holding pond. All the units of the WWTP are constructed from steel and reinforced concrete. The effluent holding pond is lined with a liner having permeability less than 550 gallons per day per acre. Part of the effluent generated is discharged into an unnamed tributary to Volunteer Wash as regulated by NPDES permit AZ0024708. The remaining effluent is consumptively reused as regulated by Reuse Permit R104083. The reclaimed water classification, as per Arizona Administrative Code (A.A.C.) R18-9 Article 7, for this WWTP is Class B+. Waste sludge is thickened, bagged and disposed of to a State approved landfill.

The materials authorized to be disposed of through the wastewater treatment plant 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.

The site includes the following permitted discharging facilities:

Facility	Latitude	Longitude
Tributary to Volunteer Wash	35° 13' 52" North	111° 48' 36" West
Reuse Sites near the WWTP	35° 14' 07" North	111° 48' 38" West

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

The WWTP includes the following Best Available Demonstrated Control Technology.

**2.2.1 Engineering Design**

The WWTP process employs nitrification/denitrification to achieve an effluent total nitrogen level of 10 mg/l, chlorine disinfection to achieve an effluent fecal coliform level of 800/200 CFU, and dechlorination to prevent the formation of trihalomethanes (THMs). All the units of the WWTP are constructed from steel and reinforced concrete. The effluent holding pond is lined with a liner having permeability less than 550 gallons per day per acre. Further denitrification and disinfection will occur by Soil Aquifer Treatment (SAT) if the WWTP effluent percolates into the soil.

**2.2.2. Site-specific Characteristics**

Depth to groundwater at the site ranges from 7 to 350 feet and the direction of groundwater flow is to the south southwest.

**2.2.3 Pre-Operational Requirements**

Within 60 days of the signature date of this permit, the operator shall inspect the facility to verify that all components function as designed. The permittee shall provide written certification within 90 days of the signature date of this permit to ADEQ Water Quality Compliance, that inspection

of all components was performed. The results of inspection should also be indicated. A copy of this report should also be sent to ADEQ Northern Regional Office, 1515 E. Cedar Avenue, Suite F, Flagstaff, AZ 86004.

**2.2.4 Operational Requirements**

- (1) The permittee shall adhere to all requirements of the Operation and Maintenance (O & M) manual and any revisions thereof to the O & M Manual. A copy of the O & M manual shall be maintained at the WWTP 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 TABLES OF MONITORING REQUIREMENTS - TABLE III. A log of these inspections shall be kept at the facility for ten (10) years from the date of each inspection, available for review by ADEQ personnel.
- (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.
- (4) In order to reduce the pollutants regulated by A.R.S. § 49-243(I), the permittee shall use one of the following methods to achieve industrial pretreatment:
  - i. Regulate industrial sources of influent to the sewage treatment facility by setting limits on pollutant concentrations, monitoring for pollutants, and enforcing the limits to reduce, eliminate, or alter the nature of a pollutant before release into a sewage collection system; or
  - ii. Meet the pretreatment requirements of Section 307 of the Federal Water Pollution Control Act; or
  - iii. For sewage treatment facilities without significant industrial input, conduct periodic monitoring to detect industrial discharge.

**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 Flagstaff Meadows Wastewater Treatment Plant with a maximum average monthly flow of 150,000 gpd.

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

The Point of Compliance is established by the following monitoring location:

P.O.C. Locations	Latitude	Longitude
POC # 1: Located next to the NPDES discharge point	35° 13' 52" North	111° 48' 37" West

Monitoring requirements at the P.O.C. are listed in Section 4, TABLE II.

The Director may designate additional points of compliance if information on groundwater gradients or groundwater usage indicates the need.

**2.5 Monitoring Requirements [A.R.S. § 49-223(G), 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, TABLE I. A representative sample of the wastewater shall be collected at the point of discharge from the disinfection unit.

**2.5.2 Facility / Operational Monitoring**

Operational monitoring shall be conducted according to Section 4, TABLE III.

**2.5.3 Groundwater Monitoring and Sampling Protocols**

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 indicator 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**

Sample collection, preservation, and holding times shall be consistent with the ADEQ Quality Assurance Project Plan and/or the procedures described in EPA 40 CFR PART 136.

**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  
1740 W. Adams Street, 203 North  
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 wastewater, groundwater, soil, water, or sludge samples can be collected. Should new groundwater wells be determined to be necessary, the construction details shall be submitted to the ADEQ Water Permits Section for approval.

**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 Considerations**

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 facility 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 followup sample collected from a location that previously indicated a violation or that an AL has been exceeded. 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.

**2.6.2 Exceeding of Alert Levels****2.6.2.1 Exceeding of Alert Levels Set for Operational Conditions**

1. If the operational Performance Level set in Section 4, TABLE III has been exceeded the permittee shall:
  - (1) Notify the ADEQ Water Quality Compliance Unit within five days of becoming aware of a violation of any permit condition.
  - (2) Submit a written report within 30 days after becoming aware of the 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 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 Set for Discharge Monitoring**

1. If an AL set in Section 4, TABLE I has been exceeded, the permittee shall conduct verification sampling within 24 hours of becoming aware of the alert status.
2. If the verification sampling confirms that the AL has 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;
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 2.6.5.
4. 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.
5. Upon review of the submitted report, the Department may require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.

**2.6.2.3. Exceeding of Alert Levels in Groundwater Monitoring**

**2.6.2.3.1. Alert Levels for Indicator Parameters**

Not Applicable

**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, TABLE II has been exceeded, the permittee shall conduct verification sampling within 5 days of becoming aware of an AL being exceeded.
2. If verification sampling confirms the AL being exceeded, the permittee shall increase the frequency of monitoring to 'Daily' and 'Weekly', for constituents that have a permit monitoring frequency of 'Weekly', and 'Monthly' or 'Quarterly', 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 2.6.5. 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 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 back to TABLE II 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 applicable.

**2.6.3 Discharge Limitations (DL) Violations**

1. If a DL set in Section 4, TABLE I has been violated, the permittee shall conduct verification sampling within 24 hours of becoming aware of a DL violation.
2. If verification sampling confirms that the DL has 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;

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 2.6.5.

3. 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, TABLE II has been violated, the permittee shall conduct verification sampling within 5 days of becoming aware of an AQL violation.
2. If verification sampling confirms that the AQL is violated for any parameter, the permittee shall increase the frequency of monitoring to 'Daily' and 'Weekly', for constituents that have a permit monitoring frequency of 'Weekly', and 'Monthly' or 'Quarterly', 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. 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 2.6.5.

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

#### **2.6.5 Emergency Response and Contingency Requirements for Spills and Unauthorized Discharges**

##### **2.6.5.1 Duty to Respond**

The permittee shall act immediately to correct any condition that results in imminent and substantial endangerment to public health or the environment.

##### **2.6.5.2 Spills of Hazardous or Toxic Materials**

In the event of any accidental spill or unauthorized discharge of suspected hazardous or toxic materials 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. Spilled materials, absorbents, and contaminated media generated during emergency response shall be removed and disposed of according to applicable federal, state and local regulations. The emergency response coordinator shall notify the ADEQ Emergency Response Unit at 602-207-2300 immediately upon discovering a release of a hazardous substance in excess of a reportable quantity in accordance with 40 CFR Part 302, et. seq.

**2.6.5.3 Spills of Non-hazardous Materials**

In the event of any accidental spill or unauthorized discharge of non-hazardous materials from the facility, the permittee shall promptly attempt to cease the spill or discharge and isolate the spilled or discharged material. Spilled material shall be removed and the site cleaned up as soon as possible. The permittee shall notify the ADEQ Northern Regional Office, 1515 E. Cedar Avenue, Suite F, Flagstaff, AZ 86004, within 24-hours upon discovering the release or 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 Spill Report**

The permittee shall submit a written report for any accidental spills or unauthorized discharges described in Sections 2.6.4.2 and 2.6.4.3. to ADEQ Northern Regional Office within thirty days of the spill or discharge or as required by subsequent ADEQ action. The report shall summarize the spill 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 spill 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**

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.

Actions identified in the approved contingency plan referenced in Part 5.0 and specific contingency measures identified in Part 2.6 have already been approved by ADEQ.

Within 30 days of completion of any corrective action, the permittee shall submit to the Water Quality Compliance Section, Enforcement Unit a written report describing the causes and impacts of 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.
4. In addition to the SMRF, the information contained in Section 6.9.3 shall be included.

### **2.7.2 Operation Inspection / Log Book Recordkeeping**

A signed copy of this permit shall be maintained on site at all times. A log book of the inspections and measurements required by this permit shall be maintained on site, retained for ten years from the date of each inspection, and upon request, the permit and the logbook 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:

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 data and time;
6. names of samples;
7. static water level in monitor well prior to sampling;
8. sampling method;
9. purging volume;
10. indicator parameters including field conductance ( $\mu\text{mhos/cm}$ ), field temperature ( $^{\circ}\text{C}$ ), and field pH (standard units);
11. date of analysis;
12. preservation and transportation procedures;
13. the name of the analytical facility, and;
14. any other information as specified by this permit to be entered in the logbook.

### **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 2.6.4) 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, 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.

**2.7.5 Reporting Location**

All SMRFs shall be submitted to:

Arizona Department of Environmental Quality  
Water Quality Compliance Section, Data Unit  
Mail Code: M0501B  
3033 North Central Avenue  
Phoenix, Arizona 85012  
Phone (602) 207-4681

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: M0501B  
3033 North Central Avenue  
Phoenix, Arizona 85012  
Phone (602) 207-4614

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: M0401A  
3033 North Central Avenue  
Phoenix, Arizona 85012  
Phone (602) 207-4428

**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 upon ceasing operation of the facility for a period of 60 days or greater. The permittee shall take the following measures upon temporary cessation:

1. 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. Immediately following ADEQ's approval, the permittee shall implement the approved plan. If necessary, ADEQ shall amend permit conditions to incorporate conditions to address temporary cessation. If the facility will cease operation, 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)]**

The permittee shall give written notice of closure to the Water Quality Compliance Section before closing, or before ceasing use of a facility addressed under this permit if the cessation is projected to last more than three years.

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. 18-9-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 a modification to this permit.

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. 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.

**2.9.1 Closure Plan**

The permittee shall notify the ADEQ Water Permits Section of his intent to cease, without intent to resume, an activity for which the facility was designed or operated prior to ceasing. Within 90 days following notification, the permittee shall submit for approval, to ADEQ Water Permits Section, a Closure plan which eliminates, to the greatest extent practicable, any reasonable probability of further discharge from the facility and of exceeding Aquifer Water Quality Standards at the applicable point of compliance. The Closure plan shall describe the following details:

- a. The approximate quantities and the chemical, biological, and physical characteristics of the materials to be removed from the facility;
- b. the destination of the materials to be removed from the facility and an indication that placement of the materials at that destination is approved;
- c. the approximate quantities and the chemical, biological, and physical characteristics of the materials that will remain at the facility;
- d. the methods to be used to treat any materials remaining at the facility;
- e. the methods to be used to control the discharge of pollutants from the facility;
- f. any limitations on future land or water uses created as a result of the facility's operations or closure activities;
- g. the methods to be used to secure the facility;
- h. an estimate of the cost of closure; and
- i. a schedule for implementation of the closure plan and the submission of a Post-Closure plan.

**2.9.2 Closure Completion**

Upon completion of closure activities, the permittee shall give written notice to ADEQ Water Permits Section indicating that the approved closure plan has been implemented fully, and shall provide proof of the inclusion in the deed to the property of complete information about the materials buried or discharged at the facility and any limitations on future land or water uses created as a result of the facility's operations or closure activities.

**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 modified 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**

1. Post-closure requirements by the ADEQ Water Permits Section, will be based on the

review of facility closure activities.

2. The Post-Closure plan shall ensure that any reasonable probability of further discharge from the facility, and of exceeding Aquifer Water Quality Standards at the applicable points of compliance, are eliminated, to the greatest extent practicable. The post-closure plan shall describe all of the following:
  - a. The duration of the post-closure care.
  - b. The monitoring procedures to be implemented by the permittee, including monitoring frequency, type, and location.
  - c. A description of the operating and maintenance procedures to be implemented for aquifer quality protection devices, such as liners, treatment systems, pump-back systems, and monitoring wells.
  - d. A schedule and description of physical inspections to be conducted at the facility following closure.
  - e. An estimate of the cost of post-closure maintenance and monitoring.
  - f. A description of limitations on future land or water uses, or both, at the facility site as a result of facility operations.

#### **2.10.2 Post-Closure Completion**

The permittee shall notify ADEQ Water Permits Section, in writing when the post-closure activities have been completed.

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

An Operation & Maintenance Plan that includes an Emergency Response plan shall be maintained at the WWTP site and be available for inspection by ADEQ Water Quality Compliance personnel at all times.

4.0 TABLES OF MONITORING REQUIREMENTS

**TABLE I  
DISCHARGE MONITORING**

Sampling Point Number	Sampling Point Identification	Latitude	Longitude
1	Effluent Pump Station	35° 14' 21" N	111° 49' 24" W

Parameter	AL <sup>1</sup>	DL <sup>2</sup>	Sampling Frequency	Reporting Frequency
Flow: Daily	Reserved	Reserved <sup>3</sup>	Daily <sup>4</sup>	Quarterly
Flow: Average Monthly	0.1425 MGD	0.15 MGD	Monthly <sup>5</sup>	Quarterly
pH	Reserved	6 - 9	Daily	Quarterly
<b>Microbes:</b>				
Fecal Coliform (single sample maximum)	Reserved	800 CFU	Daily <sup>6, 7</sup>	Quarterly
Fecal Coliform (4 of the last 7 samples)	Reserved	200 CFU	Weekly <sup>7</sup>	Quarterly
<b>Nutrients:</b>				
Total Nitrogen <sup>8</sup>	8.0	10.0 <sup>9</sup>	Monthly	Quarterly
Nitrate-Nitrite as N	8.0	10.0	Monthly	Quarterly
Total Kjeldahl Nitrogen (TKN)	8.0	10.0	Monthly	Quarterly

Notes:

<sup>1</sup> AL = Alert Level.

<sup>2</sup> DL = Discharge Limit. All discharge and alert limits are in mg/l, except flow which is presented in million gallons per day (MGD), fecal coliform which is in Colony Forming Units (CFU), and turbidity which is in Nephelometric Turbidity Units (NTU). The ALs and DLs are maximum numbers.

<sup>3</sup> Reserved = No limits are specified.

<sup>4</sup> Flow shall be measured using a continuous recording flow meter.

<sup>5</sup> Monthly = Calculated value = Average of daily flows in a month.

<sup>6</sup> Daily = Every day on which a sample can practicably be obtained and delivered in sufficient time for proper analysis, provided that no less than four samples in each calendar week are obtained and analyzed.

<sup>7</sup> Sampling Frequency will be 'Monthly' for effluent that is not disposed under Reuse Permit R104083.

<sup>8</sup> Calculated value. Total Nitrogen = Nitrate as N plus Nitrite as N plus TKN.

<sup>9</sup> A 5-Month Geometric Mean of the results of the 5 most recent samples.

## 4.0 TABLES OF MONITORING REQUIREMENTS

**TABLE I**  
**DISCHARGE MONITORING (Continued)**

Parameter	AL <sup>1</sup>	DL <sup>2</sup>	Sampling Frequency	Reporting Frequency
<b>Metals (Total):</b>				
Antimony	0.0048	0.006	Quarterly	Quarterly
Arsenic	0.04	0.05	Quarterly	Quarterly
Barium	1.60	2.00	Quarterly	Quarterly
Beryllium	0.0032	0.004	Quarterly	Quarterly
Cadmium	0.004	0.005	Quarterly	Quarterly
Chromium	0.08	0.1	Quarterly	Quarterly
Cyanide (As free cyanide)	0.16	0.2	Quarterly	Quarterly
Fluoride	3.2	4.0	Quarterly	Quarterly
Lead	0.04	0.05	Quarterly	Quarterly
Mercury	0.0016	0.002	Quarterly	Quarterly
Nickel	0.08	0.1	Quarterly	Quarterly
Selenium	0.04	0.05	Quarterly	Quarterly
Thallium	0.0016	0.002	Quarterly	Quarterly

## 4.0 TABLES OF MONITORING REQUIREMENTS

**TABLE I**  
**DISCHARGE MONITORING (continued)**

Parameter	AL <sup>1</sup>	DL <sup>2</sup>	Sampling Frequency	Reporting Frequency
<b>Volatile Organic Compounds (VOCs):</b>				
Benzene	0.004	0.005	Quarterly	Quarterly
Carbon tetrachloride	0.004	0.005	Quarterly	Quarterly
o-Dichlorobenzene	0.48	0.6	Quarterly	Quarterly
para-Dichlorobenzene	0.06	0.075	Quarterly	Quarterly
1,2-Dichloroethane	0.004	0.005	Quarterly	Quarterly
1,1-Dichloroethylene	0.0056	0.007	Quarterly	Quarterly
cis-1,2-Dichloroethylene	0.056	0.07	Quarterly	Quarterly
trans-1,2-Dichloroethylene	0.08	0.1	Quarterly	Quarterly
Dichloromethane	0.004	0.005	Quarterly	Quarterly
1,2-Dichloropropane	0.004	0.005	Quarterly	Quarterly
Ethylbenzene	0.56	0.7	Quarterly	Quarterly
Monochlorobenzene	0.08	0.1	Quarterly	Quarterly
Styrene	0.08	0.1	Quarterly	Quarterly
Tetrachloroethylene	0.004	0.005	Quarterly	Quarterly
Toluene	0.8	1.0	Quarterly	Quarterly
Trihalomethanes (total) <sup>10</sup>	0.08	0.1	Quarterly	Quarterly
1,1,1-Trichloroethane	0.16	0.20	Quarterly	Quarterly
1,2,4 - Trichlorobenzene	0.056	0.07	Quarterly	Quarterly
1,1,2 - Trichloroethane	0.004	0.005	Quarterly	Quarterly
Trichloroethylene	0.004	0.005	Quarterly	Quarterly
Vinyl Chloride	0.0016	0.002	Quarterly	Quarterly
Xylenes (Total)	8.0	10.0	Quarterly	Quarterly

Notes:

<sup>10</sup> Total Trihalomethanes (THM) comprises of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

## 4.0 TABLES OF MONITORING REQUIREMENTS

**TABLE II**  
**GROUNDWATER MONITORING**

Sampling Point Number	Sampling Point Identification	Latitude	Longitude
2	Point of Compliance Well POC # 1	35° 13' 52" N	111° 48' 37" W

Parameter	AL <sup>1</sup>	AQL <sup>2</sup>	Sampling Frequency	Reporting Frequency
<b>Nutrients:</b>				
Total Nitrogen <sup>3</sup>	8.0	10.0	Monthly	Quarterly
Nitrate-Nitrite as N	8.0	10.0	Monthly	Quarterly
Total Kjeldahl Nitrogen (TKN)	Reserved	Reserved	Monthly	Quarterly
<b>Microbes:</b>				
Total Coliform	Absence	Absence <sup>4</sup>	Monthly	Quarterly

## Notes:

<sup>1</sup> AL = Alert Level.

<sup>2</sup> AQL = Aquifer Quality Limit. All AQLs and ALs are presented in mg/l, except Total Coliform which is presented in Colony Forming Units (CFU). All ALs and AQLs are maximum numbers except where stated otherwise.

<sup>3</sup> Calculated value. Total Nitrogen = Nitrate as N plus Nitrite as N plus TKN.

<sup>4</sup> Absence means the absence of total coliform in the first sample, or the absence of total coliform or fecal coliform in the repeat sample. In the event the facility must re-sample due to a positive result for total coliform in the initial sample, then only the result of the repeat sample must be submitted to ADEQ.

## 4.0 TABLES OF MONITORING REQUIREMENTS

**TABLE II**  
**GROUNDWATER MONITORING (Continued)**

Parameter	AL <sup>1</sup>	AQL <sup>2</sup>	Sampling Frequency	Reporting Frequency
<b>Metals (Total):</b>				
Antimony	0.0048	0.006	Quarterly	Quarterly
Arsenic	0.04	0.05	Quarterly	Quarterly
Barium	1.60	2.00	Quarterly	Quarterly
Beryllium	0.0032	0.004	Quarterly	Quarterly
Cadmium	0.004	0.005	Quarterly	Quarterly
Chromium	0.08	0.1	Quarterly	Quarterly
Cyanide (As free cyanide)	0.16	0.2	Quarterly	Quarterly
Fluoride	3.2	4.0	Quarterly	Quarterly
Lead	0.04	0.05	Quarterly	Quarterly
Mercury	0.0016	0.002	Quarterly	Quarterly
Nickel	0.08	0.1	Quarterly	Quarterly
Selenium	0.04	0.05	Quarterly	Quarterly
Thallium	0.0016	0.002	Quarterly	Quarterly

## 4.0 TABLES OF MONITORING REQUIREMENTS

TABLE II  
GROUNDWATER MONITORING (continued)

Parameter	AL <sup>1</sup>	AQL <sup>2</sup>	Sampling Frequency	Reporting Frequency
<b>Volatile Organic Compounds (VOCs):</b>				
Benzene	0.004	0.005	Semi-Annual	Semi-Annual
Carbon tetrachloride	0.004	0.005	Semi-Annual	Semi-Annual
o-Dichlorobenzene	0.48	0.6	Semi-Annual	Semi-Annual
para-Dichlorobenzene	0.06	0.075	Semi-Annual	Semi-Annual
1,2-Dichloroethane	0.004	0.005	Semi-Annual	Semi-Annual
1,1-Dichloroethylene	0.0056	0.007	Semi-Annual	Semi-Annual
cis-1,2-Dichloroethylene	0.056	0.07	Semi-Annual	Semi-Annual
trans-1,2-Dichloroethylene	0.08	0.1	Semi-Annual	Semi-Annual
Dichloromethane	0.004	0.005	Semi-Annual	Semi-Annual
1,2-Dichloropropane	0.004	0.005	Semi-Annual	Semi-Annual
Ethylbenzene	0.56	0.7	Semi-Annual	Semi-Annual
Monochlorobenzene	0.08	0.1	Semi-Annual	Semi-Annual
Styrene	0.08	0.1	Semi-Annual	Semi-Annual
Tetrachloroethylene	0.004	0.005	Semi-Annual	Semi-Annual
Toluene	0.8	1.0	Semi-Annual	Semi-Annual
Trihalomethanes (total) <sup>5</sup>	0.08	0.1	Semi-Annual	Semi-Annual
1,1,1-Trichloroethane	0.16	0.20	Semi-Annual	Semi-Annual
1,2,4 - Trichlorobenzene	0.056	0.07	Semi-Annual	Semi-Annual
1,1,2 - Trichloroethane	0.004	0.005	Semi-Annual	Semi-Annual
Trichloroethylene	0.004	0.005	Semi-Annual	Semi-Annual
Vinyl Chloride	0.0016	0.002	Semi-Annual	Semi-Annual
Xylenes (Total)	8.0	10.0	Semi-Annual	Semi-Annual

Notes:

<sup>5</sup> Total Trihalomethanes comprises of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

## 4.0 TABLES OF MONITORING REQUIREMENTS

TABLE III  
FACILITY INSPECTION (OPERATIONAL MONITORING)

Pollution Control Structures/Parameter	Performance Levels	Inspection Frequency
Pump Integrity	Good Working Condition	Weekly
Free Board in all lagoons	Minimum 3 feet	Monthly
Treatment Plant Units	No visible cracks or leakage	Weekly
Treatment Plant Components	Good Working Condition	Weekly
Industrial Wastewater Pretreatment Program & Ordinance	Active	Yearly

**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 October 15, 1999
2. Contingency Plan dated May 4, 2001
3. Public Notice, dated July 4, 2001
4. Public Hearing, dated No Public Hearing held.
5. Responsiveness Summary, dated No Responsiveness Summary needed.

**6.0 GENERAL CONDITIONS AND RESPONSIBILITIES****6.1 Annual Registration Fees.**

The permittee shall 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). This fee is payable to ADEQ by January 31, each year.

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

The permittee shall 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 and 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 modification, 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 Proper Operation and Maintenance. [A.R.S. § 49-243(K)(8)]**

The permittee shall, at all times, properly operate and maintain all facilities, treatment processes, and discharge control systems which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

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

**6.7 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) (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.

**6.8 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.

**6.9 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, 49-223 and 49-241 through 49-252:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall retain records of all monitoring information, including: copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of 10 years from the date of the sample, measurement report, or application. This period may be extended by request of the Director at any time.
3. At a minimum, records of monitoring information shall include:
  - a. The date, time, and exact place of sampling or measurements
  - b. The individual(s) who performed the sampling or measurements
  - c. The date(s) analyses were performed
  - d. The individual(s) who performed the analyses
  - e. The analytical techniques or methods used
  - f. The results of such analyses
  - g. The chain of custody records, and
  - h. Any field notes relating to the information described in (a) - (g) above.

**6.10 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.

**6.11 Inspection and Entry. [A.R.S. §§ 49-203(B) and 49-243(K)(8)]**

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. In so doing, the Department representative may:

1. Enter upon the operator's premises where a regulated facility or activity is located or conducted, or locations where records must be kept under the conditions of this permit.
2. Have access to and copy, at reasonable times, any records required to be kept under the conditions of this permit.
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance, any substances or parameters at any location.
5. Take photographs or video tape.
6. Take other actions reasonably necessary to determine compliance with Aquifer Protection Permit statutes or rules or the terms and conditions of this permit.

**6.12 Duty to Modify. [A.R.S. § 49-243(K)(8)]**

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

**6.13 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.

**6.13.1 Permit Reopen.**

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

**6.13.2 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.

**STATE OF ARIZONA**  
**AQUIFER PROTECTION PERMIT NO. P-104083**  
**PLACE ID 10501, LTF 32797**  
**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, Utility Source, LLC is hereby authorized to operate the Flagstaff Meadows Wastewater Treatment Plant, located off exit 185 of Interstate 40, Belmont, Coconino County, Arizona, over groundwater of the Little Colorado River Plateau Basin, in SW1/4, SW1/4, SW1/4, Township 22N, Range 5E Section 36 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**

<b>Facility Name:</b>	Flagstaff Meadows Wastewater Treatment Plant	
<b>Permittee:</b>	<b>Mailing Address:</b>	<b>Facility's Street Address:</b>
Utility Source, LLC	721 E. San Pedro Gilbert, AZ 85234	Exit 185 off of Interstate 40 Bellmont, AZ 86015

**Facility Contact:** Lonnie McCleve, Owner

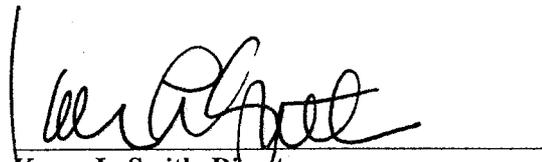
**Emergency Telephone Number:** (480) 892-5224

**Latitude:** 35° 14' 21" N

**Longitude:** 111° 49' 24" W

**Legal Description:** Township 22 N, Range 5 E, Section 36 of the Gila and Salt River Base Line and Meridian.

**1.2 AUTHORIZING SIGNATURE**



**Karen L. Smith, Director**

Water Quality Division

Arizona Department of Environmental Quality

Signed this 20<sup>th</sup> day of MARCH, 2004/5

**THIS PERMIT SUPERCEDES 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 permittee is authorized to operate a 0.150 million gallons per day (MGD) wastewater treatment plant (WWTP). The WWTP will be constructed in two phases. Phase one will have a treatment train of 100,000 gpd and phase two will add an additional train that will treat 50,000 gpd for a total of 150,000 gpd at build-out. The second phase will be added under an Other Amendment, consisting of an amendment application and a letter of intent to construct. The flow limit in the Table 4.0 of the APP will be limited to 100,000 gpd until the facility submits and receives approval of the Other Amendment for the second phase. The existing plant will remain in place but not in operation. However, if the existing plant or any part of it is ever used later, a Significant Amendment will be required for the operation of the new WWTP.

The WWTP process will consist of an influent lift station, headworks with bar screens, an equalization basin, anoxic and aeration tanks for nitrification-denitrification, secondary clarifiers, filters, a chlorine disinfection contact tank, dechlorination, a sludge holding tank, sludge belt press thickeners, an effluent pump station, and a clay lined effluent holding pond. The effluent generated is discharged into an unnamed tributary to Volunteer Wash as regulated by AZPDES permit AZ0024708 and/or by reuse under a valid reuse permit.

Groundwater is first encountered in a shallow, perched fractured basalt bedrock aquifer at variable depths ranging from 7 feet to about 350 feet below the ground surface and the direction of groundwater flow is to the south-southwest. The WWTP is designed and constructed according to plans approved by the ADEQ Wastewater, Recharge, & Reuse Unit.

This permit amendment is for changing the WWTP design to a Santec WWTP design. The total capacity at build-out is 150,000 gpd but the permitted flow will be 100,000 gpd under this permit until the second phase is constructed and the Other Amendment is approved.

The site includes the following permitted discharging facilities:

Facility	Latitude	Longitude
WWTP	35° 14' 21" N	111° 49' 24" W
Tributary to Volunteer Wash	35° 13' 52" N	111° 48' 36" W

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

The WWTP 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 WWTP was designed as per the design report prepared by Curtis Engineering dated April 30, 2004.

**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 new O & M manual at the WWTP 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.
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 WWTP will produce reclaimed water meeting Class B+ Reclaimed Water Quality Standards (A.A.C. R18-11, article 3) and can be used for any allowable use in that class under a valid reclaimed water permit.

**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 WWTP with a maximum average monthly flow of 0.100 MGD.
2. The permittee shall notify all users that the materials authorized to be disposed of through the WWTP 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 Point of Compliance is established by the following designated location:

<b>P.O.C #</b>	<b>P.O.C. Locations</b>	<b>Latitude</b>	<b>Longitude</b>
1	Located next to AZPDES discharge point.	35°15'52" N	111°48'37" W

Groundwater monitoring is not required at the point of compliance, except as a contingency action.

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**

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

**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  
1740 W. Adams Street, Room 203 North  
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.
  - 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, Tables IA and 1B have been exceeded, the permittee may conduct verification sampling within 24 hours of becoming aware of the alert status.
2. If the verification sampling confirms that the AL has been exceeded or if the permittee opts not to perform verification sampling, then 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;
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.
4. 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.
5. Upon review of the submitted report, the Department may require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.

**2.6.2.3 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**

Not required at time of permit issuance.

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

Not required at time of permit issuance.

**2.6.3 Discharge Limitations (DL) Violations**

1. If a DL set in Section 4.0, Tables IA and 1B 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**

Not Applicable.

**2.6.5 Emergency Response and Contingency Requirements for Spills and Unauthorized Discharges**

**2.6.5.1 Duty to Respond**

The permittee shall act immediately to correct any condition resulting from a discharge 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 any spills of 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. Spilled materials, absorbents, and contaminated media generated during emergency response shall be removed and disposed of according to applicable federal, state and local regulations. The permittee shall notify the ADEQ Northern Regional Office at (520) 779-0313 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 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 Northern Regional Office at (520) 779-0313, 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 described in Sections 2.6.5.2 and 2.6.5.3 to ADEQ Northern Regional Office, 1515 E. Cedar Avenue, Suite F, Flagstaff, AZ 86004, 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:

ADEQ Northern Regional Office,  
1515 E. Cedar Avenue, Suite F,  
Flagstaff, AZ 86004  
(928) 779-0313

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 upon 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. Immediately following ADEQ's approval, the permittee shall implement the approved plan. If necessary, ADEQ shall amend permit conditions to incorporate conditions to address temporary cessation. If the facility ceases operation, 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)]**

The permittee shall give written notice of closure to the Water Quality Compliance Section before closing, or before ceasing use of a facility addressed under this permit if the cessation is projected to last more than three years.

**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]

Not Applicable.

4.0 TABLES OF MONITORING REQUIREMENTS

TABLE I A  
ROUTINE DISCHARGE MONITORING

Sampling Point Number	Sampling Point Identification		Latitude		Longitude
1	Effluent pump station		35° 14' 21" N		111° 49' 24" W
Parameter	AL <sup>1</sup>	DL <sup>2</sup>	Units	Sampling Frequency	Reporting Frequency
Total Flow: Daily <sup>3</sup>	Not Established <sup>4</sup>	Not Established	MGD <sup>5</sup>	Daily <sup>6</sup>	Quarterly
Total Flow: Average Monthly	0.095	0.100	MGD	Monthly <sup>7</sup>	Quarterly
Flow: AZPDES Daily	Not Established	Not Established	MGD	Monthly	Quarterly
Flow: AZPDES Average Monthly	0.095	0.100	MGD	Monthly	Quarterly
Flow: Reuse Daily	Not Established	Not Established	MGD	Monthly	Quarterly
Flow: Reuse Average Monthly	0.095	0.100	MGD	Monthly	Quarterly

Sampling Point Number	Sampling Point Identification		Latitude		Longitude
1	Effluent pump station		35° 14' 21" N		111° 49' 24" W
Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
Fecal Coliform Single sample maximum	Not Established	23	CFU or MPN <sup>8</sup>	Monthly	Quarterly
Fecal Coliform Seven sample median	Not Established	2.2	CFU or MPN	Monthly	Quarterly
Total Nitrogen <sup>9</sup> : 5-sampling rolling geometric mean.	8.0	10.0	mg/l	Monthly <sup>10</sup>	Quarterly

1 AL = Alert Level.  
 2 DL = Discharge Limit.  
 3 Total flow is flow to reuse site and AZPDES permit.  
 4 Not Established = 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 sample  
 9 Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen. The facility is not required to meet the AL and DL associated with this parameter for the first 60 days after the initial start-up of the facility or for the first 60 days after the start-up of the SBR mode of operation.  
 10 A 5-Month Geometric Mean of the results of the 5 most recent samples.

## 4.0 TABLES OF MONITORING REQUIREMENTS

**TABLE IA**  
**ROUTINE DISCHARGE MONITORING (Continued)**

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
<b>Metals (Total):</b>					
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 1A  
 ROUTINE DISCHARGE MONITORING (Continued)

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
<b>Volatile Organic Compounds (VOCs):</b>					
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) <sup>11</sup>	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

11

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

4.0 TABLES OF MONITORING REQUIREMENTS

TABLE IB  
RECLAIMED WATER MONITORING TABLE - CLASS B+<sup>12</sup>

Sampling Point Number	Sampling Point Identification			Latitude	Longitude
1	Effluent pump station			35° 14' 21" N	111° 49' 24" W
Parameter	AL <sup>13</sup>	DL <sup>14</sup>	Units	Sampling Frequency	Reporting Frequency
Fecal Coliform: Single-sample maximum	Not Established	800	CFU or MPN <sup>15</sup>	Daily <sup>16</sup>	Quarterly
Fecal Coliform: Four (4) of last seven (7) samples	Not Established	200 <sup>17</sup>	CFU or MPN	Daily	Quarterly

<sup>12</sup> Reclaimed water monitoring under Table 1B will be performed anytime effluent is discharged to the reuse site and is in addition to routine discharge monitoring required under Table 1A.

<sup>13</sup> AL = Alert Level.

<sup>14</sup> DL = Discharge Limit.

<sup>15</sup> CFU = Colony Forming Units per 100 ml; MPN = Most Probably Number per 100 ml. For CFU, a value of <1 shall be considered to be non-detect. For MPN, a value of <2.2 shall be considered to be non-detect.

<sup>16</sup> 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.

<sup>17</sup> 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**  
**NOT REQUIRED IN THIS PERMIT**

**TABLE III**  
**FACILITY INSPECTION (Operational Monitoring)**

<b>Pollution Control Structures/Parameter</b>	<b>Performance Levels</b>	<b>Inspection Frequency</b>
Pump Integrity	Good Working Condition	Weekly
Holding pond berm integrity	No visible structural damage, breach, or erosion of embankments	Weekly
Treatment Plant Components	Good Working Condition	Weekly

**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: November 26, 1999 (original APP signed on 9/13/01)  
April 30, 2004 (Significant Amendment)
2. Contingency Plan, dated: May 4, 2001 (APP)  
April 30, 2004 (Significant Amendment)
3. Final Hydrologist Report dated: August 16, 2004 (Significant Amendment)
4. Final Engineering Report dated: October 12, 2004 (Significant Amendment)
5. Public Notice dated: July 4, 2001 (APP)  
October 25, 2004 (Significant Amendment)
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). This fee is payable to ADEQ each year.

**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 Proper Operation and Maintenance [A.R.S. § 49-243(K)(8)]**

The permittee shall properly operate and maintain all facilities, treatment processes, and discharge control systems which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

**6.6 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.

**6.7 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.

**6.8 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.

**6.9 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.

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall retain records of all monitoring information, including copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of 10 years from the date of the sample, measurement report, or application. This period may be extended by request of the Director at any time.
3. At a minimum, records of monitoring information shall include:
  - a. Date, time, and exact place of sampling or measurements;
  - b. Individual(s) who performed the sampling or measurements;
  - c. Date(s) analyses were performed;
  - d. Individual(s) or laboratory who performed the analyses;
  - e. Analytical techniques or methods used;
  - f. Results of such analyses;
  - g. Chain of custody records;
  - h. Names of samples;
  - i. Static water level in monitor well prior to sampling;
  - j. Sampling method;
  - k. Purging volume;
  - l. Indicator parameters including field conductance ( $\mu\text{mhos/cm}$ ), field temperature ( $^{\circ}\text{C}$ ), and field pH (standard units);
  - m. Preservation and transportation procedures;
  - n. Name of the analytical facility, and;
  - o. Any field notes relating to the information described in (a) – (n) above.

**6.10 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.

**6.11 Inspection and Entry [A.R.S. §§ 49-203(B) and 49-243(K)(8)]**

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. In so doing, the Department representative may:

1. Enter upon the operator's premises where a regulated facility or activity is located or conducted, or locations where records must be kept under the conditions of this permit.
2. Have access to and copy, at reasonable times, any records required to be kept under the conditions of this permit.
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance, any substances or parameters at any location.
5. Take photographs or video tape.
6. Take other actions reasonably necessary to determine compliance with Aquifer Protection Permit statutes or rules or the terms and conditions of this permit.

**6.12 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.

**6.13 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.

**6.13.1 Permit Reopen**

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

**6.13.2 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.

## 208 Consistency Review Form



*This facility review is based on information obtained from the applicant, permit writer, the associated Water Quality Management Plan (WQMP) and amendments, and other related documents as cited.*

**EMAILED AND HAND-DELIVERED 12/4/06**

**Permit Writer or Applicant – Please Complete Sections 1-14**

Facility Information	Explanation (Provide a brief description)
<b>1. Include Facility Name, name of Owner, name of Applicant &amp; Permit Writer.</b> & (if known, Please include permit number)	Flagstaff Meadows (formerly Bellemont) AZ0024708 Owner: Lonnie McCleve Permit writer: J Maye
<b>2. Permit category - (a, b, or c)</b> a. AZPDES (describe discharge) b. Individual APP (describe facility) c. General permit (describe type)	AZPDES Design flow 0.125 MGD
<b>3. Facility location (watershed, county, Lat/Long or Township, Range &amp; Section)</b>	Verde River Basin, Coconino County; 22N, 5E, Sec 1; Lat 35° 13' 59", Long 111° 38' 45"
<b>4. Type of permit - (a, b, c, or d)</b> a. New WWT facility b. AZPDES renewal c. Modification to an existing facility d. On-site subdivision	AZPDES renewal.
<b>5. Attach a descriptive map</b> <u>Include a, b, c, &amp; d</u> a. Facility/site location b. Discharge location(s) c. Adjacent urban areas (the nearest urban area may be miles away) d. Nearest surface water(s)	Discharge from facility's outfall 001 to an unnamed wash, tributary to Volunteer Wash, eventual tributary to Verde River.  Outfall 001 is beside the facility at Lat 35° 13' 59", Long 111° 38' 45".  See hand-delivered maps and flow chart.
<b>6. Treatment &amp; Design Capacity (design flow for annual average daily flow)</b> <i>Note: if renewal with no changes in discharge location, technology, treatment and disposal methods, and capacity - STOP HERE</i>	Design flow remains at 0.125 MGD
<b>7. Change in annual average daily flow - (a, or b)?</b> a. No change b. Increase (explain)	
<b>8. Treatment method (explain)</b>	
<b>9. Change in treatment method - (a, b, or c)?</b> a. No change b. Improvement to technology c. Septics/alternative systems (attach ADEQ Forms 113 and 115)	
<b>10. Effluent disposal method(s)</b> <i>If discharge is to a surface water or lake, provide name of surface water.</i>	

<p>11. Change in effluent disposal method (a, b, c, or d)?</p> <p>a. No change</p> <p>b. Change in location (explain)</p> <p>c. Change in method (explain)</p> <p>d. Additional locations (explain)</p>	
<p>12. Sludge handling – describe how sludge will be handled</p>	
<p>13. Entity type</p> <p>a. Municipality/public utility</p> <p>b. Private utility</p> <p>c. Semi public (sanitary district)</p> <p>d. Other (individual homeowner or homeowners association)</p>	
<p>14. Service area (if known)</p> <p>Attach map &amp; legal description</p> <p>a. New service area for CC&amp;N</p> <p>b. Expansion of existing service area</p> <p>c. Increase # of lots in subdivision</p> <p>d. Other</p>	See attached 208 from June 2001

**For ADEQ 208 Review Staff Only –**

Facility Information	Explanation (Reference the page # and COG WQMP)
1. DPA	NACOG, Northern Arizona Council of Governments, Section 208 Water Quality Management Plan, June 2002 (208 Plan). This project is not identified in the plan. I have reviewed pages 71-94, and I have conferred with NACOG and determined this AZPDES permit renewal with no changes Not Inconsistent with the 208 Plan.
2. Permit number	AZ0024708
<p>3. Service area</p> <p>Attach map &amp; legal description</p> <p>a. New service area for CC &amp; N</p> <p>b. Expansion of existing service area</p> <p>c. Increase # of lots in subdivision</p>	The service area is the Flagstaff Meadows subdivision. See attached 208 from June 2001. A project location map is attached the exact service area is not been identified.
<p>4. Planning area</p> <p>Attach map &amp; legal description</p> <p>a. New</p> <p>b. Expansion of planning area</p>	The attached 208.
<p>5. Designated Management Agency</p> <p>a. Facility is a DMA</p> <p>b. Distance to nearest DMA</p> <p>c. Ordinance requiring hookup</p>	b. Flagstaff is the nearest DMA approximately 11 miles.

**Does the facility meet any of the following conditions?**

Special Conditions	Explanation
6. Discharge to a unique water?	No
7. Discharge to an impaired/not	No

attaining water?	
8. Pollutant load allocations specified in a TMDL?	No
9. Located in a nitrogen management area?	N/A
10. Change in ownership? (Pima County only)	n/a
11. Other (compliance issues, site specific standards, etc.)	If the service area is expanded, plant capacity is increased or discharge locations are added/changed, another 208 Consistency Review will be required and submitted to The ADEQ 208 Program Staff. Please see attached June 2001 Consistency Review.

Based on Section 208 of the Federal Water Pollution Control Act, Arizona Administrative Code R18-9-108(B) (10), and/or the Certified Area WQMP, this application for permit is determined to be:

Determination By: Julie Finke Date: 12-19-2004

Consistent	Not Inconsistent	Inconsistent	208 Coordinator	Unit Manager	Section Manager
	X		<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

If determination is "inconsistent," an amendment to the Water Quality Management (208) Plan must be processed and submitted for approval by ADEQ.

If determination is "Not inconsistent," this means the project was not identified in the current 208 Water Quality Management Plan, but is consistent with regional water quality management goals.

SALLQUIST, DRUMMOND & O'CONNOR, P.C.

ATTORNEYS AT LAW  
TEMPE OFFICE  
4500 S. LAKESHORE DRIVE  
SUITE 339  
TEMPE, ARIZONA 85282

RICHARD L. SALLQUIST

PHONE (480) 839-5202  
FACSIMILE (480) 345-0412  
E-MAIL [dick@sd-law.com](mailto:dick@sd-law.com)

September 17, 2007

Coconino County Board of Supervisors  
Attn: Clerk of the Board  
110 E. Cherry Ave.  
Flagstaff, AZ 86001

Re: Utility Source, LLC; Application for an Extension of its Water and Wastewater Utility Franchise

Dear Sir/Madame:

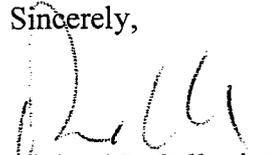
Enclosed please find the Application for an extension of the Water and Wastewater Utility Franchise for Utility Source, LLC.

We have enclosed the original and five (5) copies of this Application. In the event there is a processing or publication fee, please advise the undersigned and I will immediately remit the same.

If you will please advise our office of the tentative hearing date in this matter, will we will arrange to have the appropriate individuals available at the hearing to respond to any questions the Supervisors may have.

If we can provide further assistance or additional information in this matter, please do not hesitate to call.

Sincerely,



Richard L. Sallquist  
For the Firm

Enclosures

cc: Lonnie McCleve  
Gary Bulechek

36100.00000.215

1 Richard L. Sallquist (002677)  
Sallquist, Drummond & O'Connor, P.C.  
2 4500 S. Lakeshore Drive, Suite 339  
Tempe, Arizona 85282  
3 (480) 839-5202

4 **BEFORE THE BOARD OF SUPERVISORS**  
5 **OF**  
6 **COUNTY OF COCOINO, STATE OF ARIZONA**

7 IN THE MATTER OF THE )  
8 APPLICATION OF UTILITY SOURCE, )  
9 LLC, TO OBTAIN AN EXTENSION OF )  
10 ITS WATER AND WASTEWATER )  
PUBLIC UTILITY FRANCHISE. )

**APPLICATION FOR**  
**A PUBLIC UTILITY FRANCHISE**

11 TO THE HONORABLE BOARD OF SUPERVISORS:

12 COMES NOW the above-named Applicant and petitions the COCONINO COUNTY  
13 BOARD OF SUPERVISORS as follows:

14  
15 1. Petitioner, Utility Source, LLC ("Utility Source" or the "Company"), is an Arizona  
16 limited liability company with its principal place of business is in Bellemont, Coconino County,  
17 Arizona. The current mailing address of Utility Source is 721 E. San Pedro, Gilbert, Arizona  
18 85234.

19 2. On November 21, 2006, the Arizona Corporation Commission (the "Commission") in  
20 Decision No. 68962 (the "Decision"), did grant an extension to the Certificate of Public  
21 Convenience and Necessity ("CC&N") to the Company which permits it to exercise the  
22 functions of a public utility to provide water and wastewater service to persons living within the  
23 area described in the Decision. The Decision, which describes the CC&N area in Exhibit A  
24

1 thereto, is attached hereto as **Attachment A** and which is incorporated herein for all purposes. A  
2 map of the CC&N area is attached as **Attachment B** and which is incorporated herein for all  
3 purposes

4 3. To interconnect the area within which utility services will be provided, and to serve  
5 the certificated area, the Company needs the Board's approval of a Public Utility Franchise for  
6 the CC&N area and adjacent areas. Inclusion of the adjacent areas in the Franchise will permit  
7 the Company to most efficiently and economically align and install Company water and  
8 wastewater transmission and collection mains and related facilities. The legal description and  
9 map of the requested area are set forth on **Attachments C and D** respectively hereto, which are  
10 incorporated herein for all purposes.

11 4. If granted the extended franchise for this territory, Utility Source proposes to engage in  
12 and carry on the business of a water and wastewater company.

13 5. Utility Source is financially able to undertake installation of said services and provide  
14 water and wastewater services within the said territory for which this Franchise is requested.

15 6. The Board may impose such restrictions and limitations upon the public roads as it  
16 deems best for the public safety or welfare.

17 7. By reason of the facts already stated herein and because of the fact that no adequate and  
18 safe supply of water and transmission system or wastewater treatment or collection facilities are  
19 now available to persons who may live within the said territory hereinbefore described, and because  
20 of the further fact that water and wastewater services promptly supplied to waiting and prospective  
21 customers will do much to develop and improve the area described, and to increase the population  
22 of the communities within which services are supplied within the area requested, Utility Source  
23 respectfully petitions the Board to grant this Application for a right and franchise from the County  
24

1 of Coconino, State of Arizona, to construct, maintain and operate their pipelines and appurtenances  
2 for a water and wastewater systems in, over, under, across and upon the County owned Rights-of-  
3 Way for a period twenty-five (25) years.

4 8. Utility Source requests that public Notice be given in a newspaper of general circulation  
5 published within the County of Coconino, as may be required by law, prior to the date set for the  
6 consideration by the Board of Supervisors of its intention to grant said Franchise application.

7 9. All correspondence regarding this Application should be addressed to:

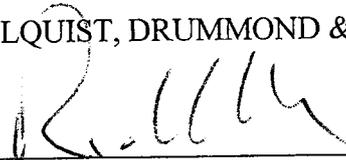
8 Lonnie McCleve, Manager  
9 Utility Source, L.L.C.  
721 E. San Pedro,  
10 Gilbert, Arizona 85234

with a copy to:

11 Richard L. Sallquist  
12 Sallquist, Drummond & O'Connor, P.C.  
4500 S. Lakeshore Drive, Suite 339  
13 Tempe, Arizona 85282.

14 Respectfully submitted this 7<sup>th</sup> day of September, 2007

15 SALLQUIST, DRUMMOND & O'CONNOR, P.C.

16 By 

17 Richard L. Sallquist  
4500 S. Lakeshore Drive, Suite 339  
18 Tempe, Arizona 85282  
19 Attorneys for Utility Source, L.L.C.  
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LIST OF ATTACHMENTS

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- A. ARIZONA CORPORATION COMMISSION DECISION NO. 68962
- B. MAP OF ARIZONA CORPORATION COMMISSION CERTIFICATED AREA
- C. LEGAL DESCRIPTION OF THE REQUESTED FRANCHISE AREA
- D. MAP OF THE REQUESTED FRANCHISE AREA



**ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY  
 CERTIFICATE OF APPROVAL TO CONSTRUCT  
 DRINKING WATER WELL FACILITIES**

<b>ADEQ File No:</b> 20070793	<b>LTF No:</b> 45990
<b>System Name:</b> Flagstaff Meadows Water	<b>System Number:</b> 03-300
<b>Project Owner:</b> Utility Source	
<b>Address:</b> 721 E. San Pedro, Gilbert, AZ 85234	
<b>Project Location:</b> Flagstaff	<b>County :</b> Coconino
<b>Description:</b> UTILITY SOURCE DEEP WELL #4. INSTALLATION OF 1-NEW SOURCE PRODUCTION WELL (55-206887) W/300 GPM CAPACITY AND APPROXIMATELY 1,180 LF OF 12-INCH C-900 CLASS 200 WATERLINE EXTENSION AND RELATED FITTINGS. TO SERVE BELLEMONT TRUCK CENTER.	

*Approval to construct the above-described facilities as represented in the approved documents on file with the Arizona Department of Environmental Quality is hereby given subject to provisions 1 through 9 continued on page 2 through 2*

1. This project must be constructed in accordance with all applicable laws, including Title 49, Chapter 2, Article 9 of the Arizona Revised Statutes and Title 18, Chapter 5, Article 5 of the Arizona Administrative Code.
2. Upon completion of construction, the engineer shall fill out the Engineer's Certificate of Completion and forward it to the Northern Regional Office located in Flagstaff. If all requirements have been completed, that unit will issue a Certificate of Approval of Construction. R18-5-507(B), Ariz. Admin.Code. At the project owner's request, the Department may conduct the final inspection required pursuant to R18-5-507(B); such a request must be made in writing in accordance with the time requirements of R18-5-507(C), Ariz. Admin. Code.
3. This certificate will be void if construction has not started within one year after the Certificate of Approval to Construct is issued, there is a halt in construction of more than one year, or construction is not completed within three years of the approval date. Upon receipt of a written request for an extension of time, the Department may grant an extension of time; an extension of time must be in writing. R18-5-505(E), Ariz. Admin. Code.
4. Operation of a newly constructed facility shall not begin until a Certificate of Approval of Construction has been issued by the Department. R18-5-507(A), Ariz. Admin. Code.

Reviewed by : FMS

By:  12/20/07  
 Kwame A. Agyare, P.E. Date  
 Manager, Drinking Water and  
 Wastewater Engineering Review  
 Water Quality Division

cc: File No : 20070793  
 Regional Office: Northern  
 Owner: Utility Source  
 County Health Department: Coconino  
 Engineer: Shephard-Wesnitzer, Inc.  
 Planning and Zoning/Az Corp. Commission  
 Engineering Review Database - Etr022