

**Authorization to Discharge Under the National Pollutant Discharge Elimination System
and the Arkansas Water and Air Pollution Control Act**

In accordance with the provisions of the Arkansas Water and Air Pollution Control Act (Ark. Code Ann. § 8-4-101 *et seq.*), and the Clean Water Act (33 U.S.C. § 1251 *et seq.*),

**Operators of Individual Treatment Facilities Generating Only Domestic Waste located
within the State of Arkansas**

are authorized to discharge to all receiving waters, except those facilities which are excluded in Part I.A.2.b. of this general permit, in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I and II.

After properly filing a Notice of Intent under Part I, facilities that are eligible for coverage under this general permit, will receive a Notice of Coverage letter, with a tracking number starting with ARG55, and a copy of the permit for the facility. The Notice of Coverage letter includes the Department's determination that a facility is covered under this general permit and may specify alternate requirements outlined in the permit, such as modified sampling frequencies for certain parameters or the inclusion of monitoring for parameters in addition to those requiring regular monitoring.

The Final Response to Comments is contained in a second document.

Issue Date: June 30, 2009

Effective Date: July 1, 2009

Expiration Date: June 30, 2014

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**PART I
PERMIT REQUIREMENTS**

Information in Part I is organized as follows:

Section A: Coverage under this permit:

1. Permit Area
2. Authorization
3. Notification requirements
4. Individual NPDES Permit
5. Termination of Operations
6. Timing of Request for Coverage
7. Limits

Section B: Effluent limitations and monitoring requirements.

SECTION A. COVERAGE UNDER THIS PERMIT

1. **Permit Area.** The area covered by this permit includes all areas within the State of Arkansas.

2. **Authorization**

a. ELIGIBILITY

- (1) This general permit covers discharges from individual treatment facilities that are designed, installed and operated with written approval from the Arkansas Department of Health (ADH).
- (2) Individual treatment facilities covered include only those facilities generating less than 1000 gallons per day of domestic waste.
- (3) Prior to discharge to waters of the State, all domestic waste shall be treated in a treatment system that has been constructed in accordance with the terms and conditions of a state construction permit issued to the facility by the Arkansas Department of Environmental Quality.
- (4) Facilities within the State of Arkansas discharging from an outfall as described in this permit must be authorized to discharge by either this general permit or an individual NPDES permit.

b. EXCLUSIONS

The following discharges are prohibited by this general permit:

- (1) Facilities having multiple discharges;

- (2) Facilities requiring Financial Assurance in accordance with Arkansas Code Annotated 8-4-203b (Homeowners are exempt from this requirement.)
- (3) Discharges to waterbodies listed on the most current 303(d) list as impaired by pathogens, nutrients or low Dissolved Oxygen (DO),
- (4) Discharges into a waterbody that is designated as Ecologically Sensitive Waterbodies (ESWs) in APC&EC Regulation No. 2, Appendix A,
- (5) Discharges that include non-domestic waste, and;
- (6) Discharges that are a significant contributor of pollutants. In making this determination, the Director may consider the following factors:
 - (a) The location of the discharge with respect to Waters of the State;
 - (b) The size of the discharge;
 - (c) The quantity and nature of the pollutants discharged to Waters of the State; and
 - (d) Other relevant factors

3. **Notification Requirements**

- a. **New Facility:** To obtain coverage under this general permit, operators of new individual treatment facilities located within the state of Arkansas must submit a Notice of Intent (NOI) and written approval from the Arkansas Department of Health (ADH) (EHP-19 Form) to the Department at a minimum of thirty (30) days prior to the first proposed discharge.
- b. **Existing Facility:** A written notice of intent for coverage under this general permit from dischargers that were covered under the expired general permit shall be submitted to the Department no later than 120 days after the effective date of the renewal permit.
- c. The NOI shall include the following minimum information:
 - (1) the legal name and legal address of the operator;
 - (2) the facility location (street address or legal description);
 - (3) name and telephone number of the facility contact;
 - (4) number and location of outfall along with coordinates;
 - (5) name of receiving stream, stream segment, and hydrological basin code;
 - (6) actual or projected wastewater flow;
 - (7) type of treatment system;
 - (8) if the system is owned by a corporation, a statement that the corporation is registered with the office of the Secretary of State of Arkansas must be included;
 - (9) state construction permit number (new facility);

- (10) All notices of intent for coverage under this general permit must be signed and certified in accordance with the provisions of 40 CFR 122.22, as adopted by reference in APC&EC Regulation No. 6;
- (11) A permit fee as stated in APC&EC Regulation No. 9 must accompany the notice of intent. Per Reg.9.404(B), homeowners are exempt from this fee.
- (12) A disclosure statement. The filing of a disclosure statement is mandatory.
- (13) The form may be obtained from ADEQ web site at:http://www.adeq.state.ar.us/disclosure_stmt.pdf. (Homeowners are exempt from this requirement per Reg 8.204(c)(7)(a)(vi).)
- (14) Arkansas Department of Health (ADH) (EHP-19 Form) for the new discharges

d. Submit the above information to:

Arkansas Department of Environmental Quality
Water Division, General Permits Section
5301 Northshore Drive
North Little Rock, AR 72118

or by electronic mail (Complete documents (NOI) must be submitted in Adobe Acrobat format (.pdf) to: Water-permit-application@adeq.state.ar.us.

NOTE: Notice of Coverage (NOC) will not be issued until payment has been received by ADEQ.

4. Individual NPDES Permit

The Director of ADEQ may require the issuance of an individual discharge permit according to the criteria in 40 CFR 122.28(b)(3).

5. Notice of Termination

When all discharges associated with activities authorized by this permit are eliminated, the operator of the facility must submit a written Notice of Termination (NOT) that is signed in accordance with Part II.D.8.

SECTION B. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS:

1. OUTFALL 001 –The permittee is authorized to discharge from outfall serial number 001 -treated domestic wastewater. Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristics</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	Concentration (mg/l, unless otherwise specified)		Frequency	Sample Type
	Monthly Avg.	Daily Max		
Flow ¹ (gpd)	report	1000	Once/six months	Estimate
Biochemical Oxygen Demand (BOD ₅)	10	15	Once/six months	Grab
Total Suspended Solids (TSS)	15	22.5	Once/six months	Grab
Dissolved Oxygen (DO) ²	6.0 (Inst. Min.)		Once/six months	Grab
Fecal Coliform Bacteria (FCB)	(colonies/100ml)			
	200	400	Once/six months	Grab
pH	<u>Minimum</u> 6.0 s.u.	<u>Maximum</u> 9.0 s.u.	Once/six months	Grab
TBD ³	TBD	TBD	TBD	TBD

1 Flow must be monitored and reported. Report in units of gallons per day (gpd).

2 A more stringent DO limit may be required to ensure that the discharge is in compliance with the Ecoregion Water Quality Standards.

3 TBD-To Be Determined. Additional parameters may be required by the Department in order to comply with water quality standards for the receiving stream.

There shall be no discharge of distinctly visible solids, scum or foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: at the outfall 001, following the final treatment unit.

PART II STANDARD CONDITIONS

Information in Part II is organized as follows:

- Section A:** General Conditions
- Section B:** Operation and Maintenance of Pollution Controls
- Section C:** Monitoring and Records
- Section D:** Reporting Requirements
- Section E:** Definitions

SECTION A – GENERAL CONDITIONS

1. Duty to Comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Water Act and the Arkansas Water and Air Pollution Control Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; and/or for denial of a permit renewal application. **Any values reported in the required Discharge Monitoring Report (DMR) which are in excess of an effluent limitation specified in Part I shall constitute evidence of violation of such effluent limitation and of this permit.**

2. Civil and Criminal Liability, Including Monetary Penalties

The Arkansas Water and Air Pollution Control Act, Ark. Code Ann. § 8-4-103, provides for civil and criminal penalties for violations of terms of this general permit. Except as provided in permit conditions on “Bypassing” (Part II.B.4.a.), and “Upsets” (Part II.B.5.b), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance. Any person who violates any provisions of a permit issued under the Act shall be guilty of a misdemeanor and upon conviction thereof shall be subject to imprisonment for not more than one (1) year, or a fine of not more than twenty-five thousand dollars (\$25,000) or by both such fine and imprisonment for each day of such violation. Any person who violates any provision of a permit issued under the Act may also be subject to civil penalty in such amount as the court shall find appropriate, not to exceed ten thousand dollars (\$10,000) for each day of such violation. The fact that any such violation may constitute a misdemeanor shall not be a bar to the maintenance of such civil action. Any false or materially misleading representation or concealment of information required to be reported by the provisions of this permit or applicable state and federal statutes or regulations which defeats the regulatory purposes of the permit may subject the permittee to criminal enforcement.

3. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause including, but not limited to the following:

- a. Violation of any terms or conditions of this permit; or
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any conditions that requires either a temporary or permanent reduction or elimination of the authorized discharge; or
- d. A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination.
- e. Failure of the permittee to comply with the provisions of Reg. 9 (Permit fees) as required by Part II.A.8. herein.

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

4. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the initiation of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under Section 311 of the Clean Water Act.

5. State Laws

Nothing in this permit shall be construed to preclude the initiation of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Clean Water Act.

6. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations.

7. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provisions 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.

8. Permit Fees

The permittee shall comply with all applicable permit fee requirements for wastewater discharge permits as described in APC&EC Regulation No. 9, Permit Fee Regulations. Failure to promptly remit all required fees shall be grounds for the Director to initiate action to terminate this permit under the provisions of 40 CFR Parts 122.64 and 124.5(d), as

adopted by reference in APC&EC Regulation No. 6, and APC&EC Regulation No. 8, Administrative Procedures.

SECTION B – OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

1. Proper Operation and Maintenance

- a. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures.
- b. The permittee shall provide a licensed Class I Operator which is qualified to carryout operation, maintenance, and testing functions required to ensure compliance with the conditions of this permit.

2. Need to Halt or Reduce not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. Upon reduction, loss, or failure of the treatment facility, the permittee shall, to the extent necessary to maintain compliance with its permit, control production or discharges or both until the facility is restored or an alternative method of treatment is provided. This requirement applies, for example, when the primary source of power for the treatment facility is reduced, is lost, or alternate power supply fails.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment or the water receiving the discharge.

4. Bypass of Treatment Facilities

- a. Bypass not exceeding limitation. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Parts II.B.4.b. and 4.c.
- b. Notice
 - (1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.
 - (2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part II.D.4. (24-hour notice).

c. Prohibition of bypass

- (1) Bypass exceeding limitation is prohibited and the Director may take enforcement action against a permittee for bypass, unless:
 - (a) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - (b) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if the permittee could have installed adequate backup equipment to prevent a bypass which occurred during normal or preventive maintenance; and
 - (c) The permittee submitted notices as required by Part II.B.4.b.
- (2) The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed above in Part II.B.4.c.(1).

5. Upset Conditions

- a. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with technology-based permit effluent limitations, if the requirements of Part II.B.5.b. are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is a final administrative action subject to judicial review.
- b. Conditions necessary for demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - (1) An upset occurred and that the permittee can identify the specific cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated.
 - (3) The permittee submitted notice of the upset as required by Part II.D.4.; and
 - (4) The permittee complied with any remedial measures required by Part II.B.3.
- c. Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

6. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of waste waters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering the waters of the State. Written approval must be obtained from the ADEQ for land application only.

7. Power Failure

The permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failure either by means of alternate power sources, standby generators, or retention of inadequately treated effluent.

SECTION C – MONITORING AND RECORDS

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge during the entire monitoring period. All samples shall be taken at the monitoring points specified in this permit and, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points shall not be changed without notification to and the approval of the Director. Intermittent discharges shall be monitored.

2. Monitoring Procedures

Samples shall be taken at the discharge from the final treatment unit and prior to mixing with the receiving waters. Provisions must be made during the installation of the treatment unit for the taking of a proper sample. This permit has a minimum requirement that samples must be taken and analyzed only once per six months. However, the permittee shall at all times operate and maintain the facilities used to achieve compliance with the conditions of this permit, including additional sampling and testing as necessary to assure that the permit limitations are not exceeded at any time.

3. Penalties for Tampering

The Arkansas Water and Air Pollution Control Act, Ark. Code Ann. § 8-4-103(a)(2)(B), provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under the Act shall be guilty of a felony and upon conviction thereof shall be subject to imprisonment for not more than five (5) years or a fine of not more than fifty thousand dollars (\$50,000) or by both such fine and imprisonment.

4. Reporting of Monitoring Results

The permittee shall submit to the Department the previous year's Discharge Monitoring Reports (DMRs) no later than January 31 of the following year, i.e. 2010 reports would be due by January 31, 2011, per 40CFR122.44(i)(2). The permittee shall make available to the Department, upon request, copies of all maintenance reports and any other reports required by this general permit.

The DMRs should be submitted to the following addresses:

ADEQ
Enforcement, Water Division
5301 Northshore Drive
North Little Rock, AR 72118

5. Additional Monitoring by the Permittee

If the permittee monitors any pollutant more frequently than required by this permit, using test procedures approved under 40 CFR 136 or as specified in this permit, the results of such monitoring shall be included in the calculation and reporting of the data in the summary report. Such increased frequency shall also be indicated in the summary report.

6. Retention of Records

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, 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 at least 3 years from the date of the sample, measurement, report, or application. This period may be extended by request of the Director at any time.

7. Record Contents

Records and monitoring information shall include:

- a. The date, exact place, time and methods of sampling or measurements, and preservatives used, if any;
- b. The individuals(s) who performed the sampling or measurements;
- c. The date(s) and time analyses were performed;
- d. The individual(s) who performed the analyses;
- e. The analytical techniques or methods used; and
- f. The measurements and results of such analyses.

8. Inspection and Entry

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:

- a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit, and

- d. Sample, inspect, or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

SECTION D – REPORTING REQUIREMENTS

1. Planned Changes

The permittee shall give notice and provide plans and specification to the Director for review and approval prior to any planned physical alterations or additions to the permitted facility.

Any change in the facility discharge (including the introduction of any new source or significant discharge or significant changes in the quantity or quality of existing discharges of pollutants) must be reported to the permitting authority. In no case are any new connections, increased flows, or significant changes in influent quality permitted that cause violation of the effluent limitations specified herein.

2. Transfers

The permit is nontransferable to any person, except after notice to the Director. The Director may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Act.

3. Monitoring Reports

Monitoring results shall be completed and maintained at the facility at the intervals and on the Discharge Monitoring Report specified in Part II.A. **Discharge Monitoring Reports must be completed even when no discharge occurs during the reporting period.**

4. Non-Compliance Reporting

- a. The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which must be reported within 24 hours:
 - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit;
 - (2) Any upset which exceeds any effluent limitation in the permit and
 - (3) Violation of a monthly average or a daily maximum discharge limitation for any of the pollutants listed by the Director in Part I of the permit to be reported in writing within 24 hours to the Enforcement Section of the Water Division of the ADEQ. The lab results should also be submitted with the report.
- b. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain the following information:
 - (1) A description of the noncompliance and its cause;

- (2) The period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
 - (3) The steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
- c. The Director may waive the written report on a case-by-case basis if the oral report has been received within 24 hours to the Enforcement Section of the Water Division of the Department.

5. Other Reporting

The permittee shall report all instances of noncompliance not reported under Part II.D.4, at the time monitoring reports are completed. The reports shall contain the information listed at Part II.C.7.

6. Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, 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. Information shall be submitted in the form, manner and time frame requested by the Director.

7. Duty to Reapply

This permit will expire 5 years from the effective date. At such time, the Department will determine if a new general permit will be issued or if facilities covered under the general permit must obtain individual permits. Notice will be given to facilities covered under the general permit as how to obtain coverage under a new general permit or how to apply for an individual permit.

8. Signatory Requirements

All applications, reports, or information submitted to the Director shall be signed and certified as follows:

- a. All permit applications shall be signed as follows:
 - (1) For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:
 - (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or
 - (ii) The manager of one or more manufacturing, production, or operation facilities, provided: the manager is authorized to make management decisions which

govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

- (2) For a partnership or sole proprietorship: by a general partner or proprietor, respectively; or
 - (3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:
 - (i) The chief executive officer of the agency, or
 - (ii) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.
- b. All reports required by the permit and other information requested by the Director shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
- (1) The authorization is made in writing by a person described above;
 - (2) The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, or position of equivalent responsibility. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and
 - (3) The written authorization is submitted to the Director.
- c. **Certification.** Any person signing a document under this section shall make the following certification:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

SECTION E: Definitions

All definitions contained in Section 502 of the Clean Water Act shall apply to this permit and are incorporated herein by reference. Additional definitions of words or phrases used in this permit are as follows:

1. "Act": the Clean Water Act, 33.U.S.C.1251 *et seq.*
2. "ADEQ": the Arkansas Department of Environmental Quality.
3. "Administrator": the Administrator of the U.S. Environmental Protection Agency.
4. "Biochemical Oxygen Demand (BOD5)": the amount of oxygen required by bacteria during the decay of organic or nitrogenous material in sanitary sewage.
5. "Bypass": the intentional diversion of waste streams from portion of a treatment facility.
6. "Daily maximum": discharge limitation means the highest allowable "daily discharge" during the calendar month.
7. "Department": the Arkansas Department of Environmental Quality (ADEQ).
8. "Director" means the Director of the Arkansas Department of Environmental Quality.
9. "Dissolved Oxygen": the amount of free (not chemically combined) oxygen dissolved in water, wastewater, or other liquid, usually expressed in milligrams per liter, parts per million, or percent of saturation.
10. "Domestic wastewater": wastewater consisting only of discharges from sanitary conveniences and plumbing fixtures such as toilets, urinals, lavatories, bathtubs and showers, water fountains, dishwashers, and washing machines.
11. "Estimate": an approximate judgment or calculation, as of the amount of the discharge (flow). Flow shall be estimated each time effluent samples are taken. If a flow meter, flume, or weir isn't available, then there are several methods available to estimate flow rate that the permittee can do with commonly available tools, such as stopwatches, rulers, and buckets (Timed Volume). Examples can be found in Item 7 of the Fact Sheet.
12. "Facility": a pollution source, or any public or private property or site and all contiguous land and structures, other appurtenances and improvements, where any activity is conducted which discharges or may result in the discharge of pollutants into water of the U.S.
13. "Fecal coliform bacteria": a gram negative, no-spore forming, rod shaped bacteria found in the intestinal tract of warm-blooded animals.
14. "Grab sample": an individual sample collected in less than 15 minutes.
15. "gpd": gallons per day.

16. "mg/l": milligrams per liter; it is essentially equivalent to parts per million in dilute aqueous solutions.
17. "Monthly average": discharge limitation meaning the highest allowable average of "daily discharge" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month.
18. "National Pollutant Discharge Elimination System (NPDES)": the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under section 307, 402, 318 and 405 of the Clean Water Act.
19. "Operator": for the purpose of this permit, means any person (an individual, association, partnership, corporation, municipality, state or federal agency) who has the primary management and ultimate decision-making responsibility over the operation of a facility or activity. The operator is responsible for ensuring compliance with all applicable environmental regulations and conditions.
20. "Process wastewater": wastewater containing waste from processes employed in industrial and commercial establishment. Examples include, but are not limited to, restaurants, cooling and heating water, process water, wash water, car washes, laundromats, etc.
21. "Sanitary sewage": treated or untreated wastewater which contains human metabolic and domestic wastes only. Specifically excluded are industrial, manufacturing, and/or process wastes.
22. "Standard Methods": Standard Methods for the Examination of Water and Wastewater, American Public Health Association, Washington, D.C.
23. "Total Suspended Solids (TSS)": the amount of solid material suspended in water, commonly expressed as a concentration, in terms of mg/l.