

State of Florida
Department of Environmental Protection

Generic Permit

For

**Domestic Wastewater Facilities that Discharge to
Rapid-Rate Infiltration Basin and Absorption Field Systems**

This permit is issued under the provisions of Chapter 403.087, Florida Statutes, and applicable rules of the Florida Administrative Code. Until this permit expires, is terminated, revised or revoked, permittees using this generic permit are authorized to operate facilities and discharge to ground waters of the state in accordance with the terms and conditions of this permit.

Part I. Reclaimed Water Requirements

A. Reclaimed Water Limitations

- The permittee is authorized to direct reclaimed water to the reuse system(s). Such reclaimed water shall be limited and monitored by the permittee as specified below:

			Reclaimed Water Limitations			
Parameter	Units	Max./Min.	Annual Average	Monthly Average	Weekly Average	Single Sample
Flow	MGD	Maximum	See 5. below			
Percent Capacity, (TMADF/Permitted Capacity) x 100	PERCENTAGE	Maximum	-	Report (Mo.Total)	-	-
BOD, Carbonaceous 5 day, 20C (Influent)	MG/L	Maximum	-	Report	-	-
Solids, Total Suspended (Influent)	MG/L	Maximum	-	Report	-	-
BOD, Carbonaceous 5 day, 20C (Effluent)	MG/L	Maximum	20.0	30.0	45.0	60.0
Solids, Total Suspended (Effluent) ¹	MG/L	Maximum	-	-	-	10.0
Solids, Total Suspended (Effluent) ²	MG/L	Maximum	20.0	30.0	45.0	60.0
Coliform, Fecal	See 6. Below					
pH	SU	Range	-	-	-	6.0-8.5
Total Residual Chlorine (For Disinfection)	MG/L	Minimum	-	-	-	0.5
Nitrogen, Nitrate, Total (as N)	MG/L	Maximum	-	-	-	12.0

¹Required only for absorption field systems.

²Required only for rapid infiltration basin systems.

- Monitoring frequencies shall be in accordance with Figure 2 of Rule 62-601, F.A.C., and **the DMR**.
- Sample types shall be in accordance with Rule 62-601.500(3), F.A.C., and **the DMR**.
- Samples shall be taken at the monitoring site locations described **in Attachment A** of the Department's letter authorizing use of the generic permit and identified **in the DMR**.
- Flow shall be limited as described **in Attachment A** of the Department's letter authorizing use of the generic permit and **on the DMR**. Flow measuring devices shall be calibrated at least annually.
- The arithmetic mean of the monthly fecal coliform values collected during an annual period shall not exceed 200 per 100 mL of reclaimed water sample. The geometric mean of the fecal coliform values for a minimum of 10 samples of reclaimed water, each collected on a separate day during a period of 30 consecutive days (monthly), shall not exceed 200 per 100 mL of sample. No more than 10 percent of the samples collected during a period of 30 consecutive days shall exceed 400 fecal coliform values per 100 mL of sample. Any one sample shall not exceed 800 fecal coliform values per 100 mL of sample.
- A minimum of 0.5 mg/L total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow.

8. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters.
9. Parameters shall be analyzed in accordance with Rule 62-620-610(18), F.A.C.
10. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples which are required by this permit.
11. Grab samples shall be collected during periods of minimal treatment plant pollutant removal efficiencies or maximum hydraulic and/or organic loading.

B. Land Application Requirements

General

1. Advisory signs shall be posted around the site boundaries to designate the nature of the project area.
2. Rapid infiltration basins and absorption field systems shall be loaded 1-7 days and rested 5-14 days. Infiltration ponds, basins, or trenches and absorption fields shall be allowed to dry during the resting portion of the cycle.
3. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required.
4. Overflows from emergency discharge facilities on storage ponds or on absorption fields or on infiltration ponds, basins, or trenches shall be reported as an abnormal event to the Department within 24 hours of an occurrence. The provisions of Rule 62-610.800(9), F.A.C., shall be met.

Rapid Infiltration Basins

1. Rapid infiltration basins shall be routinely maintained to control vegetation growth and to maintain percolation capability by scarification or removal of deposited solids. Basin bottoms shall be maintained to be level.

Absorption Field System(s)

1. The absorption field shall be operated to preclude saturated conditions from developing at the ground surface
2. The permittee may allow public access to the absorption field sites.

Part II. Ground Water Requirements

1. Facilities shall monitor ground water in accordance with Rule 62-522.600, F.A.C., as specified in **Attachment A** of the Department's letter authorizing use of the generic permit.
2. All ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for this project shall extend horizontally 100 feet from the application site or to the facility's property line, whichever is less, and vertically to the base of the surficial aquifer.
3. The ground water minimum criteria specified in Rule 62-520.400, F.A.C., shall be met within the zone of discharge.

4. During the period of operation authorized by this permit, the permittee shall continue to sample ground water at the monitoring well identified **in Attachment A** of the Department's letter authorizing use of the generic permit and **on the DMR**, in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-522.600, F.A.C.
5. The following parameters shall be analyzed semi-annually for the monitoring well identified **in Attachment A** of the Department's letter authorizing use of the generic permit and **on the DMR**.

Parameter	Compliance Well Limit	Units	Sample Type
Ground Water Level Relative to NGVD	Report	feet	in-situ
Nitrogen, Nitrate, Total (as N)	10	MG/L	grab
Solids, Total Dissolved (TDS)	500	MG/L	grab
Arsenic, Total Recoverable	10	UG/L	grab
Chloride (as Cl)	250	MG/L	grab
Cadmium, Total Recoverable	5	UG/L	grab
Chromium, Total Recoverable	100	UG/L	grab
Lead, Total Recoverable	15	UG/L	grab
Coliform, Fecal	4	#/100 ML	grab
pH	6.5-8.5	SU	in-situ
Sulfate, Total	250	MG/L	grab
Turbidity	Report	NTU	grab
Specific Conductance	Report	UMHO/CM	grab

6. If the concentration for any constituent listed above in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative natural background quality shall be the prevailing standard.
7. In accordance with Part D of DEP Form 62-620.910(10), water levels shall be recorded before evacuating the well for sample collection. Elevation references shall include the top of the well casing and land surface at the well site (NAVD allowable) at a precision of plus or minus 0.1 foot.
8. The ground water monitoring well shall be purged prior to sampling to obtain representative samples.
9. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department as being more representative of ground water conditions.
10. Ground water monitoring parameters shall be analyzed in accordance with Chapter 62-620.610(18), F.A.C.
11. All piezometers and wells not part of the approved ground water monitoring plan are to be plugged and abandoned in accordance with Rule 62-532.500(4), F.A.C., unless there is intent for their future use.

Part III. Biosolids Management Requirements

1. The permittee shall be responsible for proper treatment, management, and disposal of its biosolids, also known as domestic wastewater residuals.
2. The method of biosolids use or disposal by this facility is specified **in Attachment A** of the Department's letter authorizing use of the generic permit.
3. Disposal in a Class I or II solid waste landfill is permitted and shall be in accordance with Chapter 62-701, F.A.C.

4. Storage of biosolids or other solids at the permitted facility shall require prior written notification to the Department if:
 - a. Storage provisions were not addressed in the facility's preliminary design report, or
 - b. Storage lasts longer than 30 days.
5. The permittee shall not be held responsible for treatment, management, use, or land application violations that occur after its biosolids have been accepted by a permitted biosolids management facility with which the source facility has an agreement in accordance with Rule 62-640.880(1)(c), F.A.C., for further treatment, management, use or land application.
6. The permittee shall keep records to track the transport of its biosolids to a biosolids management facility or to another permitted facility for treatment and disposal. The records shall contain the following information:
 - a. Date and Time Shipped
 - b. Amount of Biosolids Shipped
 - c. Degree of Treatment (if applicable)
 - d. Name and ID Number of Biosolids Management Facility or Another Treatment Facility
 - e. Signature of Responsible Party at Source Facility
 - f. Signature of Hauler and Name of Hauling Firm

These records shall be kept for five years and shall be made available for inspection upon request by the Department. A copy of the information shall be provided upon delivery of the biosolids to the biosolids management facility or treatment facility.

Part IV. Monitoring and Reporting Requirements

1. Monitoring requirements under this permit are effective when the Department authorizes use of the generic permit. During the period of use, the permittee shall complete and submit to the appropriate office of the Department or delegated local program monthly Discharge Monitoring Reports (DMRs), including months of no discharge, by the 28th day of the following month. The permittee shall make copies of the DMR form(s) received with the Department's letter authorizing use of the generic permit.
2. Ground water monitoring test results shall be submitted on Part D of DEP Form 62-620.910(10). Results shall be submitted with the DMR for each month listed in the following schedule for each year during the period of operation allowed by this permit.

SAMPLE PERIOD	REPORT DUE DATE
January – June	July 28
July – January	January 28

3. Unless specified otherwise in this permit, all reports and other information required by this permit shall be submitted to or reported to the appropriate office of the Department as specified in **Attachment A** of the Department's letter authorizing use of the generic permit. All FAX copies shall be followed by original copies. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C.
4. The permittee shall report to the Department any noncompliance which may endanger health or the environment in accordance with Rule 62-620.610(20), F.A.C.
5. If a ground water monitoring well becomes damaged or cannot be sampled for some reason, the permittee shall notify the Department immediately and a written report shall follow within seven days detailing the

circumstances and remedial measures taken or proposed. Repair or replacement of the monitoring well shall be approved in advance by the Department.

6. The permittee shall provide verbal notice to the Department as soon as practical after discovery of a sinkhole within an area used for the management or application of wastewater, or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department in a written report within 7 days of the sinkhole discovery.

Part V. Operation and Maintenance Requirements

A. Operator Staffing

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of an operator certified in accordance with Chapter 62-602, F.A.C.
2. Operator staffing shall be provided in accordance with Rule 62-699.310, F.A.C., as described in **Attachment A** of the Department's letter authorizing use of the generic permit.
3. An operator meeting the lead operator classification level of the plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner.
4. For Class D facilities with less than 5 days per week staffing requirements, daily checks of the plant shall be performed by the permittee or his representative or agent 5 days per week. If the facility is required to monitor any parameter more frequently than the required period of operator attendance, the permittee shall ensure that those parameters are still monitored on those days when the facility is not staffed by a certified operator.
5. A Class D operator shall not be the lead operator of more than one water and one wastewater treatment plant at any time.

B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

1. For facilities that have not submitted an initial Capacity Analysis Report, when the three-month average daily flow for the most recent three consecutive months exceeds 50 percent of the permitted capacity of the treatment plant or reuse and disposal systems, the permittee shall submit to the Department a Capacity Analysis Report. This initial Capacity Analysis Report shall be submitted within 180 days after the last day of the last month of the three-month period referenced above.
2. For facilities that have already submitted an initial Capacity Analysis Report that indicates the permitted capacity will not be equaled or exceeded with the next 10 years, the notification to renew this permit shall include an updated Capacity Analysis Report.
3. For facilities that have already submitted an initial Capacity Analysis Report that indicates that the permitted capacity will be equaled or exceeded within the next 10 years, an updated Capacity Analysis Report shall be submitted to the Department annually by the month and day specified in **Attachment A** of the Department's letter authorizing use of the generic permit.
4. The Capacity Analysis Report shall be prepared in accordance with Rule 62-600.405, F.A.C.

5. The Notice of Intent to use this permit shall include a detailed Operation and Maintenance Performance Report prepared in accordance with Rule 62-600.735, F.A.C.

C. Recordkeeping Requirements

1. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility unless the permittee requests another location on DEP Form 62-621.500(2)(c) and that location is specified **in Attachment A** of the Department's letter authorizing use of the generic permit.
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation and a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
 - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
 - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
 - d. A copy of the current permit;
 - e. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
 - f. A copy of the facility record drawings;
 - g. Copies of the licenses of the current certified operators; and
 - h. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and certification number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities; tests performed and samples taken; and major repairs made. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed.

Part VI. Other Conditions

1. If the permittee wishes to continue operation of this wastewater facility after the expiration date of this permit, the permittee shall submit either DEP Forms 62-620.910(1) and (2) or DEP Form 62-621.500(2)(c) for renewal, no later than one-hundred and eighty days (180) prior to the expiration date of this permit.
2. The permittee shall implement all improvements identified in the permit application and supporting documentation within the specified timeframes. An Improvement Report identifying each improvement made and the date the improvement was completed shall be submitted to the Department by the date specified **in Attachment A** of the Department's letter authorizing use of the generic permit.
3. If the permittee wishes to make a minor modification to the wastewater facility, the permittee shall provide a description of the proposed modification, including any reports, plans, and specifications which have been developed to implement the modification. Requests for minor modifications shall be submitted with either DEP Form 62-621.500(2)(c) or DEP Form 62-620.910(9), as appropriate.

4. Florida water quality criteria and standards shall not be violated as a result of land application of reclaimed water from this facility.
5. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department.
6. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C.
7. Collection/transmission system overflows shall be reported to the Department in accordance with Rule 62-604.550(2)(a), F.A.C.
8. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
 - a) Which may cause fire or explosion hazards; or
 - b) Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
 - c) Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
 - d) Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or
 - e) Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.
9. The treatment facility, storage ponds, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons.
10. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit.
11. The permittee shall provide adequate notice to the appropriate office of the Department of the following:
 - a. Any new introduction of pollutants into the facility from an industrial discharger which would be subject to Chapter 403, F.S., and the requirements of Chapter 62-620, F.A.C., if it were directly discharging those pollutants; and
 - b. Any substantial change in the volume or character of pollutants being introduced into that facility by a source which was identified in the permit application and known to be discharging at the time the permit was issued.

Adequate notice shall include information on the quality and quantity of effluent introduced into the facility and any anticipated impact of the change on the quantity or quality of effluent or reclaimed water to be discharged from the facility.

12. All of the general conditions listed in Rule 62-621.250, F.A.C., are adopted herein by reference.