SUBCHAPTER 1. GENERAL PROVISIONS

252:627-1-3. Permit requirements
(a) Requirement for Permit to Construct. No one shall construct, modify or operate a water
reuse system without first obtaining a Permit to Construct pursuant to OAC 252:656.

(b) **Requirement for Permit to Supply.** No one shall supply reclaimed water without first obtaining a Permit to Supply pursuant to this Section, except when using reclaimed water within the wastewater treatment plant boundaries pursuant to Category 6.

(c) **Applications for Permits to Supply.** Applications for Permits to Supply Reclaimed Water shall be submitted to DEQ at least six (6) months prior to the anticipated start date for supplying reclaimed water and shall include the following:

1. a complete and signed application;
2. the required permit application fee;
3. a copy of the Permit(s) to Construct the water reuse treatment and distribution system; and
4. a copy of the binding user agreement between the supplier and each user of the reclaimed water.

   (A) Agreements between suppliers and users of Categories 2 through 4 reclaimed water shall contain the following minimum provisions:

   (i) A statement that the user shall operate all reclaimed water distribution systems in compliance with all applicable DEQ regulations.

   (ii) A statement that the user shall allow the supplier reasonable access to all site(s) to determine whether the user is operating its facilities in compliance with the applicable DEQ regulations, and/or performing all required monitoring and analysis.

   (iii) Documentation evidencing the user’s legal interest in all locations where reclaimed water is being used.

   (B) Category 5 user agreements are subject to the provisions of OAC 252:656-25-2(d).

(d) **Duration.** Permits to Supply are operating permits that expire five (5) years from the date of issuance.

(e) **Renewals for Permits to Supply.** Suppliers shall submit applications to renew existing Permits to Supply at least six (6) months prior to the permit’s expiration date.

(f) **Responsibility.** Suppliers shall be responsible for assuring that users operate all reclaimed water distribution sites in compliance with DEQ regulations.

### 252:627-1-5. General requirements for water reuse systems

(a) **Unauthorized wastes.** Suppliers shall take reasonable measures to prevent the introduction of unauthorized industrial wastewater, hazardous substances, chemicals or wastes into water reuse systems.

(b) **Protection of potable water supplies.** Suppliers shall prevent cross-connections between wastewater, water reuse and potable water supplies.

(c) **Discharges prohibited.** Suppliers shall ensure that all parts of water reuse systems are operated and maintained so that there are no unpermitted bypasses or discharges of wastewater or reclaimed water from the system. All such bypasses and/or discharges shall be considered violations of this Chapter and shall be subject to enforcement as an unpermitted discharge to waters of the state in violation of the Oklahoma Pollutant Discharge Elimination System Act.

   (1) **Reporting requirement.** Suppliers shall ensure that any and all bypasses and/or
discharges from water reuse systems are reported to DEQ at (800) 522-0206 within 24-hours of an incident and that a completed and signed DEQ Form 605-011 "Self Reporting Wastewater Bypass Form" is submitted to DEQ within five (5) days of the incident.

(2) **Required response.** Suppliers shall ensure that immediate action is taken to stop, contain, clean up and prevent recurrence of bypasses or discharges.

(d) **Certified operator required.** Suppliers shall have at least one certified operator employed at all times for each water reuse system. Operators shall be certified pursuant to OAC 252:710.

(e) **Noncompliance reporting.** Suppliers shall report any chlorine residual, turbidity and/or fecal coliform violations within twenty-four (24) hours from the time suppliers become aware of a violation(s) by calling DEQ at (800) 522-0206. A written report describing the reason for the violation and the steps taken to correct the violation shall be submitted to DEQ within five (5) days of discovery of the violation.

(f) **User inspection program.** A supplier may become approved by DEQ to inspect the supplier's users' storage and distribution systems in lieu of DEQ performing the inspections.

   (1) **Applications.** A supplier may become approved by submitting the following to DEQ:

   (A) a copy of the binding user agreement(s) between the supplier and all of its users;
   (B) a copy of the supplier's proposed inspection form, which shall include:
      (i) the date and time of inspection;
      (ii) the name of the inspector;
      (iii) whether separation distances are met;
      (iv) whether all steps necessary to prevent bypasses have been taken;
      (v) whether there was evidence of ponding of reclaimed water;
      (vi) the application rate of reclaimed water, if applicable;
      (vii) the type of vegetative cover, if applicable;
      (viii) whether the area where reclaimed water is used is secure;
      (ix) whether disinfection requirements are being met;
      (x) whether flushing plan has been followed; and
      (xi) whether the reclaimed water is being used in compliance with the permit.

   (C) documentation that the supplier's inspector has completed a DEQ approved water reuse training class;

   (2) **Duties.** Once approved, a supplier shall:

   (A) perform annual inspections at each of its users' reclaimed water distribution sites. The supplier shall complete and maintain on-site an inspection form for each inspection completed; and
   (B) review water reuse regulations with users.

(g) **DEQ's right to inspect.** Nothing in this section shall affect DEQ’s statutory right to enter and inspect users’ facilities.

(h) **Use of accredited laboratories.** All laboratory analyses required to be conducted pursuant to this Chapter shall be performed by laboratories accredited by DEQ.

(i) **Separation Distances.** Buffer zones and setback distances shall be maintained in accordance with OAC 252:656-27-2-(b).

252:627-1-6. Permitted uses of reclaimed water
The following are the permitted uses of reclaimed water by category:

(1) **Category 1.** Reserved

(2) **Category 2.** Category 2 reclaimed water shall only be used for the permitted uses in Categories 3, 4 and 5, and:

(A) drip irrigation on orchards or vineyards;
(B) spray or drip irrigation on sod farms, public access landscapes and public use areas/sports complexes, including unrestricted access golf courses;
(C) toilet and urinal flushing;
(D) fire protection systems;
(E) commercial closed-loop air conditioning systems;
(F) vehicle and equipment washing (excluding self-service car washes); and
(G) range cattle watering;
(H) make-up water for oil and gas production.

(3) **Category 3.** Category 3 reclaimed water shall only be used for the permitted uses in Categories 4 and 5, and:

(A) subsurface irrigation of orchards or vineyards;
(B) restricted access landscape irrigation;
(C) irrigation of livestock pasture;
(D) concrete mixing;
(E) dust control;
(F) aggregate washing/sieving;
(G) new restricted access golf course irrigation systems;
(H) industrial cooling towers, and once-through cooling systems, and closed loop systems such as boiler feed water; and
(I) restricted access irrigation of sod farms; and
(J) hydraulic fracturing.

(4) **Category 4.** Category 4 reclaimed water shall only be used for the permitted uses in Category 5 and:

(A) soil compaction and similar construction activities; and
(B) existing restricted golf course irrigation systems utilizing water that has received primary treatment in lagoon systems. Permits to construct shall not be issued for new Category 4 restricted access golf course irrigation systems pending further research and evaluation of performance data collected from existing systems.

(5) **Category 5.** Category 5 reclaimed water shall only be used for:

(A) restricted access pasture irrigation for range cattle;
(B) restricted access irrigation of fiber, seed, forage and similar crops; and
(C) irrigation of silviculture.

(6) **Category 6.** Category 6 reclaimed water shall only be used within the wastewater treatment plant.

(A) non-chlorinated uses:
   (i) dilution water for chemicals used in the process such as polymers, coagulants, chlorination or dechlorination;
(ii) mechanical seal water for gas compressors, pumps and other equipment;
(iii) mechanical seal water and cooling water for pumps;
(iv) odor and gas absorption including bio-filters used for odor control;
(v) centrifuge flushing;
(vi) flushing grit and sludge pipes;
(vii) gravity thickener make-up water;
(viii) supply water for filter backwash;
(ix) headworks screen washing;
(x) headworks screening washer-compactors; and
(xi) belt filter press.

(B) chlorinated uses:
(i) yard hydrants; and
(ii) hose bibs

SUBCHAPTER 3. OPERATION AND MAINTENANCE

252:627-3-1. Distribution system
(a) Maintenance. Suppliers shall maintain the structural integrity of all parts of the distribution system and maintain it in good working order.
(b) Connections. Suppliers shall maintain the integrity of the distribution system by inspecting all connections to the distribution system.
(c) Erosion control. Suppliers shall provide erosion protection for all parts of the distribution system located in or near waterways or flood plains.
(d) Pump stations. Suppliers shall ensure that pump stations are properly maintained and operated by doing the following:
   (1) Securing pump stations to prevent unauthorized access.
   (2) Maintaining the pumps in working condition.
   (3) Keeping the screens free of debris to prevent clogging.
   (4) Maintaining the required alarms in working order.
   (5) Maintaining the required back-up generators and/or portable engine driven pumps in working order.
   (6) Maintaining a complete set of operational instructions, emergency procedures and maintenance schedules.
(e) Flushing Plan. Suppliers shall have and implement comprehensive plans, approved by DEQ, for flushing reclaimed water within storage and distribution systems pursuant to OAC 252:656-27-4(e). Flushing plans shall also be included in the reclaimed water systems’ O&M manuals [OAC 252: 656-3-10] and in the suppliers’ DEQ approved inspection programs [OAC 252:627-1-5(f)].
(f) Flow Measurement. Supplier shall maintain flow measuring device in proper working order.

252:627-3-3. Requirements for using Categories 3 and 4 reclaimed water
(a) Operation and maintenance. The following operation and maintenance requirements shall apply to areas where Categories 3 or 4 reclaimed water is used:
(1) **Legal access to site.** Suppliers shall have continued legal access to all areas that are being irrigated with Category 3 or 4 reclaimed water.

(2) **Equipment maintenance.** Suppliers shall ensure that all distribution and irrigation equipment is maintained in working order.

(b) **Restrictions.** Suppliers shall ensure that Category 3 or 4 reclaimed water is not used:

1. from a lagoon cell that receives raw sewage;
2. on public use areas that have a high potential for skin to ground contact (e.g., football fields, sports complexes and playgrounds);
3. on golf courses unless irrigation takes place when the public is not allowed to access the sites;
4. on any food crop that may be consumed raw;
5. for spray irrigation on orchards or vineyards;
6. at rates that allow a discharge from the permitted irrigation site;
7. within one hundred feet (100') of the permitted boundary of the site;
8. at a rate that exceeds the nitrogen and phosphorus rates for the crop at the site;
9. at a rate that results in phytotoxicity;
10. when the dissolved oxygen concentration for Category 4 reclaimed water is less than 2.0 mg/l;
11. during periods of precipitation or while the soil is saturated or frozen;
12. on land having a slope greater than five percent (5%);
13. where there are berms or other barriers on a water reuse site that would cause the pooling or ponding of reclaimed water at the site, nor shall any berms or barriers impede the natural flow of stormwater from the site;
14. on public use areas during times of use; and
15. on sod farms unless a period of 30 (thirty) days has elapsed between the last application of Category 3 reclaimed water and harvesting of sod. [See OAC 252:627-1-6(a)(2)(H)][See OAC 252:627-1-6(2)(1)]

252:627-3-5. **Requirements for using Category 6 reclaimed water**

**Signs.** Yard hydrants and hose bibs must have signs. See OAC 252:656-27-4(a) and (b).

**SUBCHAPTER 5. SAMPLING, RECORD KEEPING AND REPORTING REQUIREMENTS**

252:627-5-1. **Sampling, reporting and record keeping requirements**

(a) **Sampling.** Suppliers shall comply with the sampling requirements in Appendix A. However, Category 6 reclaimed water shall meet effluent limits pursuant to the OPDES permit. In addition, use of Category 6 reclaimed water for yard hydrants and hose bibs shall require year round chlorination.

(b) **Completing MORs.** Suppliers shall complete DEQ Form 627-001 "Water Reuse System Monthly Operation Report" ("MOR") for each month. The MOR shall contain the following information:

1. The estimated volume of reclaimed water produced and distributed to each end user;
(2) The results of each sampling event and:
   (A) the name of the person taking each sample,
   (B) the date and time of sampling,
   (C) the date and time the analysis began, and
   (D) the name of the laboratory doing the analysis.

(3) The weather conditions during the reuse period;
(4) The type of crop, grass or vegetation irrigated with the reclaimed water, if applicable; and
(5) The loading rates at each water reuse site to verify that agronomic rates are not being exceeded.

(6) Category 6 activities shall be identified in the existing MOR or by separate MOR.

(c) **Submission of MORs.** Categories 2 and 4 reclaimed water suppliers shall submit MORs to DEQ by the fifteenth (15th) day of the following month.

(d) **Retention of MORs.** All suppliers of reclaimed water shall maintain MORs on-site for three (3) years and make them available to DEQ upon request.

(e) **Record keeping.** Suppliers shall keep all records, including all maintenance records, on site for at least three (3) years and available for review by DEQ upon request.

(f) **Additional reporting, records and/or sampling.** Additional sampling, reporting, and/or records requirements may be included by DEQ in any permit, authorization, order, consent decree, closure plan, remediation plan, or other official document issued by DEQ pursuant to applicable law and the provisions of this Chapter.