

**TITLE 252. DEPARTMENT OF ENVIRONMENTAL QUALITY
CHAPTER 653. AQUIFER STORAGE AND RECOVERY**

SUBCHAPTER 3. RAW WATER AND AQUIFER CHARACTERIZATION

252:653-3-4. Groundwater standards

Water, as delivered to the aquifer, shall meet the numeric values and any applicable narrative criteria listed in ~~OAC 785:45~~OAC 252:730 for the class of the groundwater aquifer that will receive the water. No allowance for attenuation will be considered unless outlined in ~~OAC 785:45~~OAC 252:730 or on a case-by-case basis, at DEQ's discretion, if human health will not be impacted.

SUBCHAPTER 5. ASR TREATMENT PLANT CONSTRUCTION

252:653-5-1. Permit and pilot study required

- (a) Subject to the results of the raw water and aquifer characterization of Subchapter 3 of this Chapter, an ASR water treatment plant and a pilot study may be required.
- (b) No person shall construct or modify an ASR water treatment plant without first obtaining a permit to construct in accordance with applicable requirements of OAC 252:626 and 656 and be designed to meet the Groundwater Quality Standards of ~~OAC 785:45-7~~OAC 252:730-7.
- (c) The ASR water treatment plant shall be operated pursuant to the operating requirements of Subchapter 9 of this Chapter.
- (d) The applicant shall demonstrate that adequate capacity and treatment are consistent with all applicable state and federal laws and regulations.
- (e) Unless an extension is granted, a construction permit expires if construction does not begin within one (1) year.
- (f) The permit application is a three-step process:
 - (1) demonstrate compliance with the provisions of Subchapter 3 of this Chapter;
 - (2) submit an engineering report (as described in applicable sections of OAC 252:626 and 656); and
 - (3) submit the final design report (as described in applicable sections of OAC 252:626 and 656), along with the required application forms and fees. The final design report shall:
 - (A) include two (2) sets of plans and specifications (or as otherwise directed by DEQ), and
 - (B) reflect any changes from the approved engineering report.
- (g) The applicant shall inform DEQ in writing at least ten (10) days before completion of the project.
- (h) If treated water is chlorinated, it shall be dechlorinated, as appropriate, prior to delivery to the aquifer.

SUBCHAPTER 9. AQUIFER STORAGE & RECOVERY OPERATIONS

252:653-9-2. Duration and continuation of expiring permit

- (a) Any ASR operating permit issued under this Subchapter shall extend for a period of (10) ten years, and shall be reviewed by DEQ every (5) five years for possible permit modification. Upon

expiration of an ASR operating permit, a permittee may seek a renewal in accordance with the application requirements of this Subchapter.

(b) A permittee may continue operating under the conditions of an expired permit provided that a permit renewal application has been submitted to DEQ 180 days prior to expiration of the permit.

(c) In the event that the water quality standards of ~~OAC 785:45~~ OAC 252:730 change within the duration of an ASR operating permit, the permittee shall submit a plan within 180 days of the effective date of the standard to ensure the continued operation of the ASR project shall meet the new water quality standards.