

15A NCAC 05H .1903 GROUNDWATER SOURCE DOCUMENTATION

(a) For groundwater sources from which water is proposed to be obtained as part of the Water Management Plan, the applicant or permittee shall provide the following information:

- (1) for pre-existing groundwater wells, a copy of the well construction record filed with the Department in accordance with 15A NCAC 02C .0114(b), which is incorporated by reference including subsequent amendments, or from the local health department;
- (2) for groundwater wells constructed specifically for the purposes covered by the Water Management Plan, a copy of the Well Construction Permit issued by the Department pursuant to 15A NCAC 02C .0105, which is incorporated by reference including subsequent amendments, and the associated groundwater well construction record form submitted to the Department pursuant to 15A NCAC 02C .0114(b);
- (3) the results of an aquifer pump test for each well included in the Water Management Plan. The aquifer pump test shall be conducted in accordance with 15A NCAC 02C .0110(b), which is incorporated by reference including subsequent amendments;
- (4) a map showing the extent of the measureable area of influence determined by the aquifer pump test at the proposed rate of withdrawal indicating the locations of all surface waters and water supply wells within the area of influence;
- (5) a map showing the extrapolated cone of depression based on six months usage; and
- (6) information required by 15A NCAC 02C .0107(j)(2)(E) and (j)(3)(D), which is incorporated by reference including subsequent amendments, for the construction of water supply and other wells.

(b) The applicant or permittee shall use a drought indicator well within the measureable area of influence identified by the Division of Water Resources and the United States Geological Survey found at <http://www.ncwater.org/?page=345>, to be used to monitor the impacts to groundwater and to determine appropriate thresholds on which to base the cessation of groundwater pumping. If there is no such well, the applicant or permittee shall, in consultation with and the approval of the Department, identify a well for this purpose.

(c) When the drought indicator well closest to the groundwater source(s) included in this application is designated as D3, indicating that water levels are at or below the fifth percentile of historic water level measurements as determined by the Drought Management Advisory Council and reported by the Division of Water Resources at <http://www.ncwater.org/?page=345>, the withdrawals from these sources shall cease until the designation is upgraded to D1 or above, indicating water levels above the 10th percentile of historic water level measurements.

History Note: Authority G.S. 113-391(a)(5)e; 113-391(a)(5)k; 113-391(b); Eff. March 17, 2015.