Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

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Travis A. Voyles
Acting Secretary of Natural and Historic Resources

Michael S. Rolband, PE, PWD, PWS Emeritus
Director
(804) 698-4020

December 6, 2022

RE: Local Government Notification of Proposed Draft Groundwater Withdrawal Permit GW0054101

Dear Local Official:

The Department of Environmental Quality has received an application to withdraw groundwater in the Eastern Virginia Groundwater Management Area. Part V of the Groundwater Withdrawal Regulations requires that the Department of Environmental Quality send a notice of every draft permit to the board of each local governing body located within the groundwater management area where the proposed withdrawal will occur prior to the date of public notice.

In accordance with section 9VAC25-610-250 B, please find the attached notice that will be advertised in the Virginia Gazette on December 7, 2022. The notice and associated map will be available on the DEQ website by the start of the Public Notice period. Additional information on the permit application may be obtained by contacting me.

The Department will accept comments concerning the proposed issuance of this draft permit for thirty days. All comments must be received by January 9, 2023.

Sincerely,

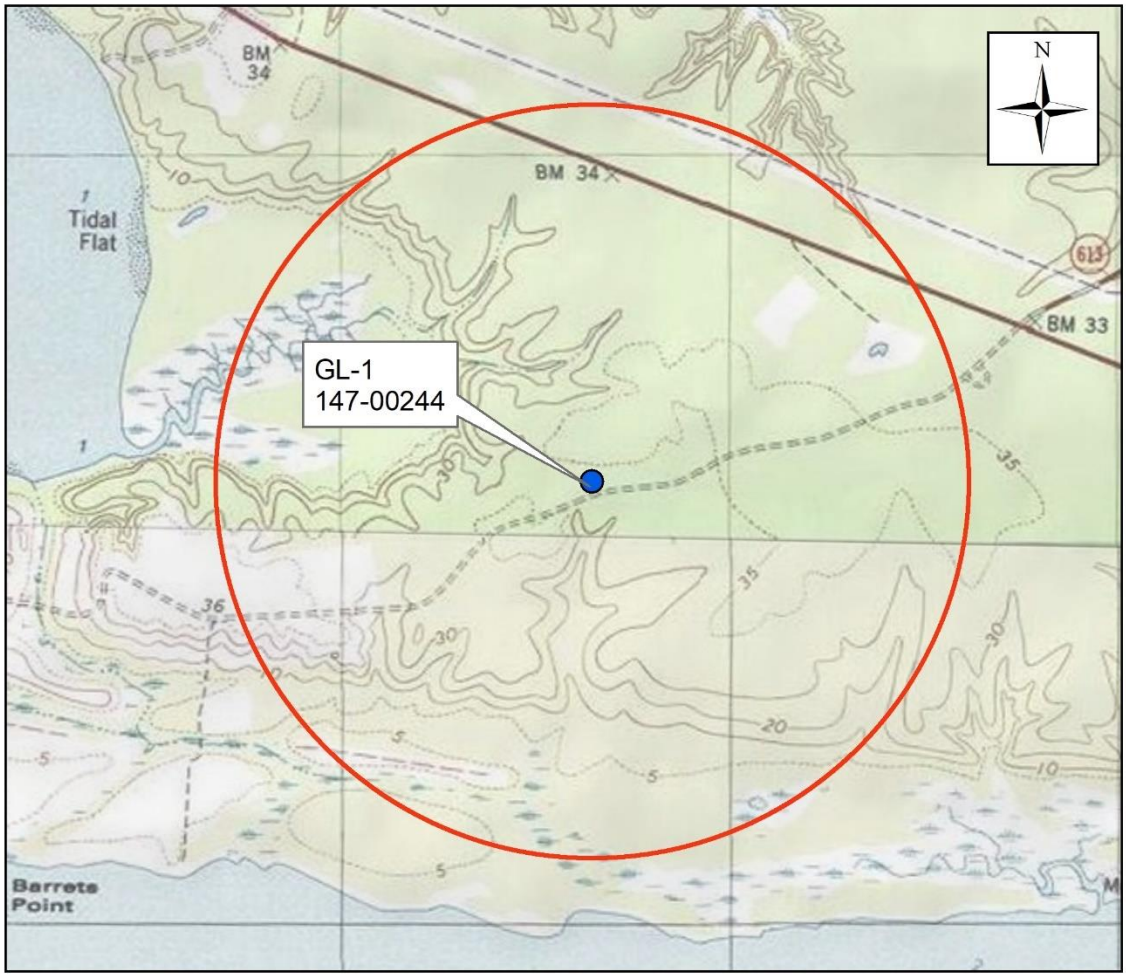
Emma Butler

Emma Butler
Water Withdrawal Permitting Program

Public Notice – Environmental Permit

PURPOSE OF NOTICE: To seek public comment on a draft permit from the Department of Environmental Quality for the withdrawal of ground water in James City County, Virginia.
PUBLIC COMMENT PERIOD: DECEMBER 7, 2022 to JANUARY 9, 2023.
PERMIT NAME: Ground Water Withdrawal Permit issued by DEQ pursuant to applicable water laws and regulations
APPLICANT NAME, ADDRESS AND PERMIT NUMBER: Governor's Land Foundation; 2700 Two Rivers Road, Williamsburg, VA 23185; GW0054101
NAME AND LOCATION OF WATER WITHDRAWAL: Two Rivers Country Club, 1400 Two Rivers Road, Williamsburg, VA 23185;
PROJECT DESCRIPTION: Governor's Land Foundation has applied for a reissuance of a permit for groundwater withdrawal in James City County, Virginia. The permit would authorize the applicant a groundwater withdrawal that shall not exceed a maximum of 168,000,000 gallons within a 10-year permit term, 34,000,000 gallons per year and 11,900,000 gallons per month. The ground water withdrawal will support irrigation to the Two Rivers Country Club's grounds. The proposed withdrawal will utilize the Potomac aquifer at a depth between 340 to 510 feet below the land surface at the withdrawal site. An aquifer is a body of rock or layer of sediment in the ground in which ground water is stored and transported. DEQ has made a tentative decision to issue the permit.
AFFECTED AREA: The radial distance from the wells to where computer modeling predicts the aquifer may experience one foot of drawdown due to the withdrawal is illustrated on a map that can be viewed at https://www.deq.virginia.gov/permits-regulations/public-notices/water/water-withdrawal
HOW TO COMMENT AND/OR REQUEST A PUBLIC HEARING: DEQ accepts comments and requests for public hearing by hand-delivery, e-mail, fax or postal mail. All comments and requests must be in writing and be received by DEQ during the comment period. Submittals must include the names, mailing addresses or email addresses of the commenter/requester and of all persons represented by the commenter/requester. A request for public hearing must also include: 1) The reason why a public hearing is requested. 2) A brief, informal statement regarding the nature and extent of the interest of the requester or of those represented by the requestor, including how and to what extent such interest would be directly and adversely affected by the permit. 3) Specific references, where possible, to terms and conditions of the permit with suggested revisions. A public hearing may be held, including another comment period, if public response is significant, based on individual requests for a public hearing, and there are substantial, disputed issues relevant to the permit.
CONTACT FOR PUBLIC COMMENTS, DOCUMENT REQUESTS AND ADDITIONAL INFORMATION: Emma Butler; Central Office, P.O. Box 1105, Richmond, VA 23218; Phone: (804)350-3859; E-mail: emma.butler@deq.virginia.gov; Fax: (804) 698-4178. The public may review the draft permit and application at the DEQ office named above {by appointment} or may request copies of the documents from the contact person listed above.

Two Rivers Country Club
Area of Impact - Potomac Aquifer



Two Rivers Country Club Well

Area of Impact

0 700 1,400 2,800 Feet

Simulated drawdown at or exceeding one foot in the Potomac aquifer resulting from a 2-dimensional Theis (1935) simulation of 46,027 average gallons per day for 50 years from the Potomac aquifer. The maximum radius of one-foot drawdown (Area of Impact) occurs approximately 3,200 feet from the production well.

Technical Evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Water Supply
May 16, 2019

DEQ
VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY