Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

www.deq.virginia.gov

Travis A. Voyles
Secretary of Natural and Historic Resources

Michael S. Rolband, PE, PWD, PWS Emeritus
Director

August 6, 2024

RE: Local Government Notification of Proposed Draft Groundwater Withdrawal Permit GWI000201

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 Smithfield Times on August 7, 2024. 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 Hannah Hervey, Water Withdrawal Permit Writer, at (804) 898-5677 or hannah.hervey@deq.virginia.gov.

The Department will accept comments concerning the proposed issuance of this draft permit for thirty days. All comments must be received by September 6, 2024.

Sincerely,

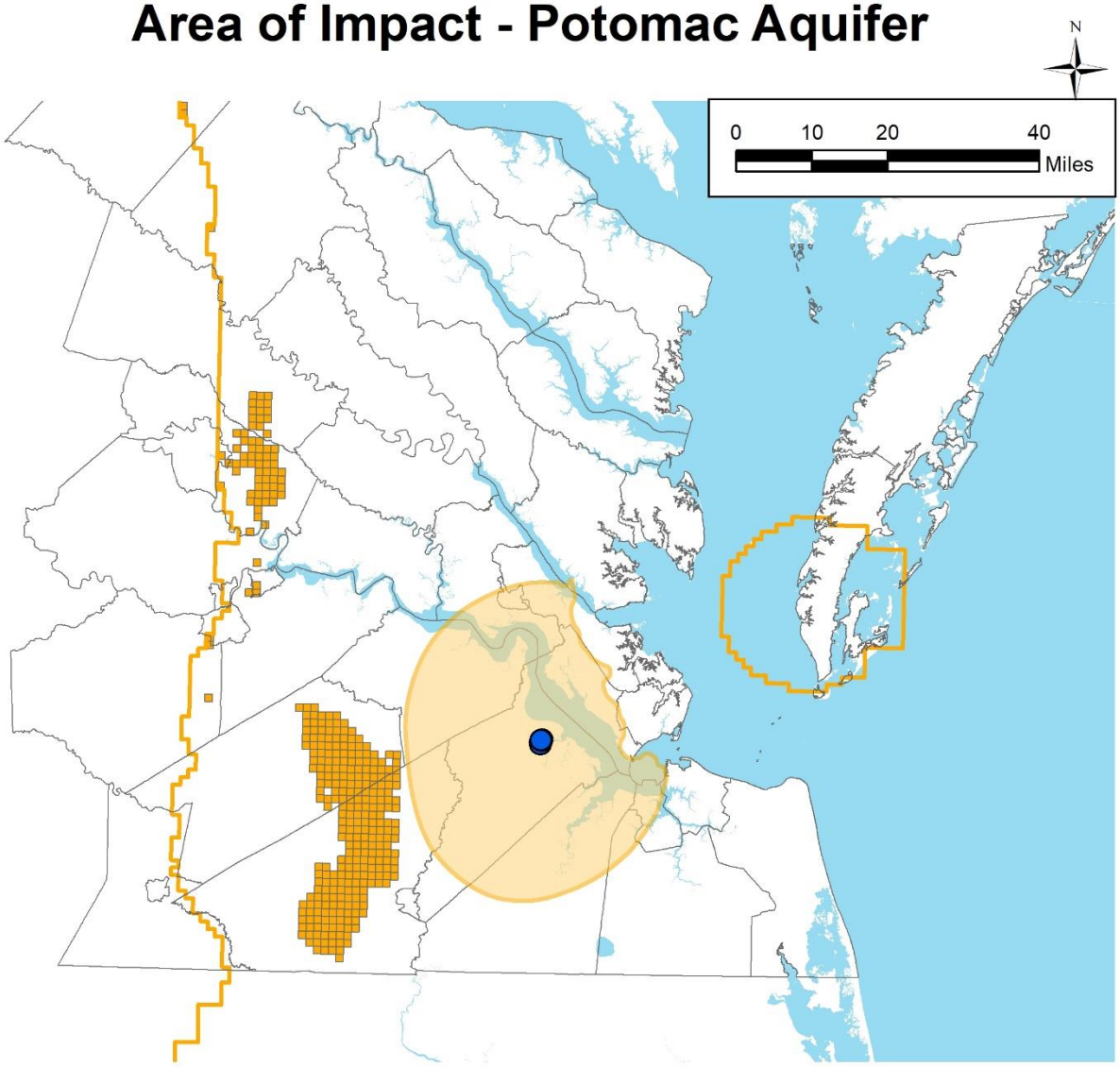
Caitlin Kelly

Caitlin Kelly, Groundwater Withdrawal Permitting Team Lead
Virginia Department of Environmental Quality
Office of Water Withdrawal Permitting
1111 East Main Street, Suite 1400
Richmond, Virginia 23219

Public Notice – Environmental Permit

PURPOSE OF NOTICE: To seek public comment on a draft permit from the Department of Environmental Quality (DEQ) for the withdrawal of ground water in Isle of Wight, Virginia.
PUBLIC COMMENT PERIOD: August 7, 2024 to September 9, 2024
PERMIT NAME: Ground Water Withdrawal Permit issued by DEQ pursuant to applicable water laws and regulations
APPLICANT NAME, ADDRESS AND PERMIT NUMBER: Smithfield Fresh Meats Corp; 601 North Church Street, Smithfield, VA 23430; GWI000201
NAME AND LOCATION OF WATER WITHDRAWAL: Smithfield Fresh Meats Corp; 601 North Church Street, Smithfield, Va 23430
PROJECT DESCRIPTION: Smithfield Fresh Meat Corp has applied for a reissuance of a permit for industrial, and potable use non-public water supply. The permit would authorize the applicant to withdraw a maximum of 237,400,000 gallons per year and 22,579,238 gallons per month from the Potomac aquifer. The ground water withdrawal will support production processes, sanitation, maintenance, and employees. The proposed withdrawal will utilize the Potomac aquifer 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/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, 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: Hannah Hervey; DEQ Central Office, P.O. Box 1105, Richmond, VA, 23218; Phone: 804-898-5677; E-mail: hannah.hervey@deq.virginia.gov 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.

Smithfield Fresh Meats Corp
Area of Impact - Potomac Aquifer



Smithfield Fresh Meats Corp Wells
Potomac Active Model Area
Potomac AOI
Potomac Critical Cells

Simulated drawdown at or exceeding one foot in the Potomac aquifer resulting from a withdrawal of 219,588,000 gallons per year for 50 years from the Potomac aquifer using the VAHydroGW-VCPM.

Maximum radius of one-foot drawdown (Area of Impact) occurs approximately 22 miles from the pumping center.

Technical Evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Water Supply Planning
January 3, 2024

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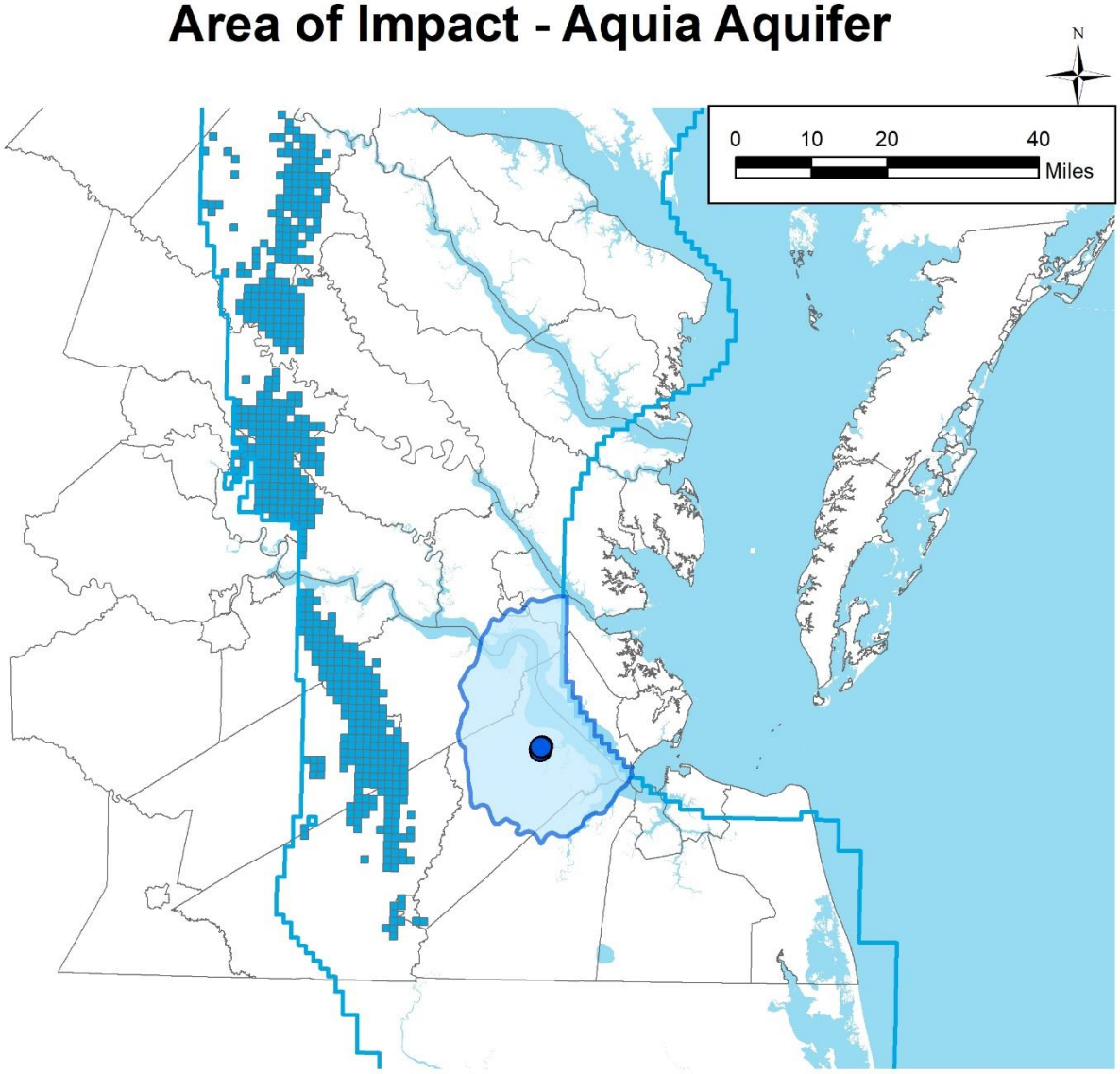
Smithfield Fresh Meats Corp
Area of Impact - Aquia Aquifer



Smithfield Fresh Meats Corp Wells

Aquia AOI

Aquia Active Model Area

Aquia Critical Cells

Simulated drawdown at or exceeding one foot in the Aquia aquifer resulting from a withdrawal of 219,588,000 gallons per year for 50 years from the Potomac aquifer using the VAHydroGW-VCPM.

Maximum radius of one-foot drawdown (Area of Impact) occurs approximately 20 miles from the pumping center.

Technical Evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Water Supply Planning
January 3, 2024

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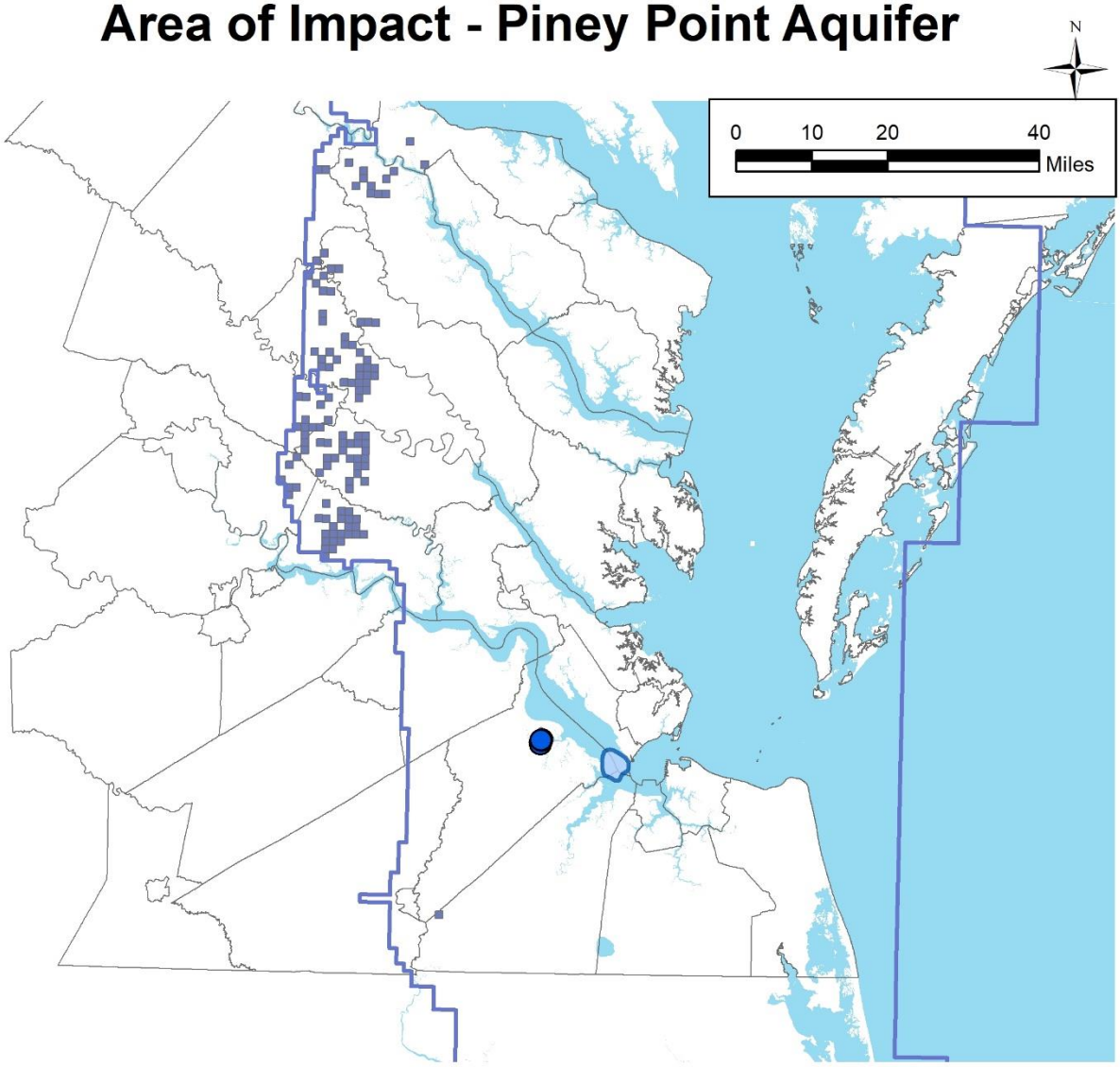
Smithfield Fresh Meats Corp
Area of Impact - Piney Point Aquifer



Smithfield Fresh Meats Corp Wells
Piney Point Active Model Area
Piney Point AOI
Piney Point Critical Cells

Simulated drawdown at or exceeding one foot in the Piney Point aquifer resulting from a withdrawal of 219,588,000 gallons per year for 50 years from the Potomac aquifer using the VAHydroGW-VCPM.

Maximum radius of one-foot drawdown (Area of Impact) occurs approximately 12 miles from the pumping center.

Technical Evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Water Supply Planning
January 3, 2024

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