

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 Northampton, Virginia.

PUBLIC COMMENT PERIOD: March 29, 2014 to April 28, 2014

PERMIT NAME: Groundwater Withdrawal Permit issued by DEQ, under the authority of the State Water Control Board  
APPLICANT NAME, ADDRESS AND PERMIT NUMBER: Eleanor Bull Lambertson; P.O. Box 155 Eastville, VA 23347; GW0060501

NAME AND LOCATION OF WATER WITHDRAWAL: C&H Farms, Inc.; West of Route 13 at Eastville, straddling Route 634 and bounded on the east by Route 685.

PROJECT DESCRIPTION: Eleanor Bull Lambertson has applied for reissuance of a permit for C&H Farms, Inc. in Northampton, Virginia. The permit would allow the applicant to withdraw an average of 41,096 gallons per day. The ground water withdrawal will support field crop irrigation. The proposed withdrawal will utilize the Upper Yorktown-Eastover aquifer at a depth between 145 feet to 180 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.

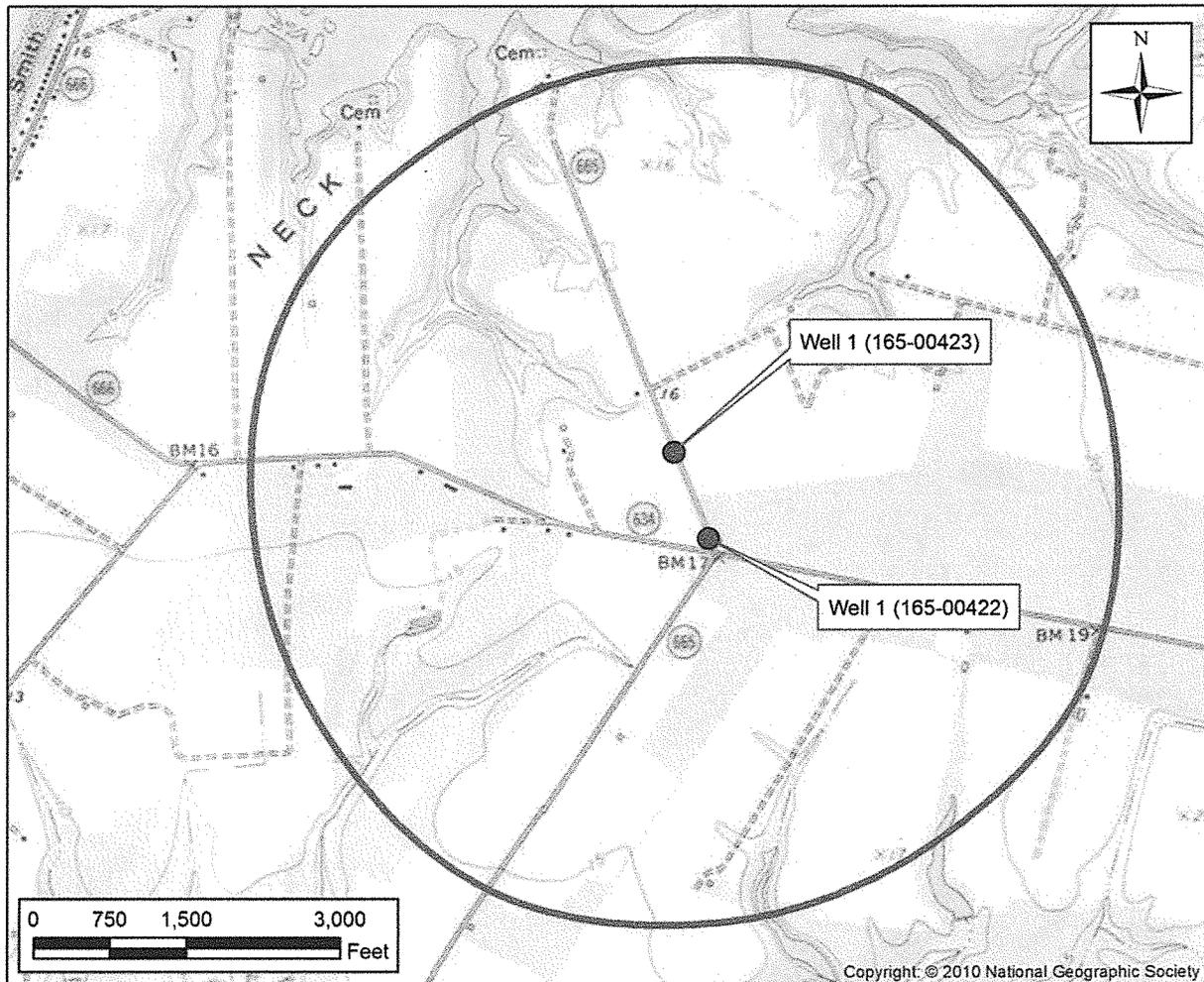
AFFECTED AREA: The radial distance from the wells to where computer modeling predicts the aquifers may experience one foot of drawdown due to the withdrawal is illustrated on maps that can be viewed at:

<http://www.deq.virginia.gov/Programs/Water/WaterSupplyWaterQuantity/GroundwaterPermitting/PublicNotices.aspx>

HOW TO COMMENT AND OR REQUEST A PUBLIC HEARING: DEQ accepts comments and requests for public hearing by 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 and telephone numbers 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. DEQ may hold a public hearing, including another comment period, if public response is significant and there are substantial, disputed issues relevant to the proposed permit. CONTACT FOR PUBLIC COMMENTS, DOCUMENT REQUESTS AND ADDITIONAL INFORMATION: Hank Ghittino; Tidewater Regional Office, 5636 Southern Blvd. Virginia Beach, VA, 23451; Phone: 757-518-2197; E-mail: [hank.ghittino@deq.virginia.gov](mailto:hank.ghittino@deq.virginia.gov); FAX: 757-518-2009. The public may review the draft permit and application at the DEQ office named above by appointment.

# C&H Farms

## Area of Impact - Eastville Paleochannel Aquifer



- C&H Farms Wells
- Eastville Paleochannel Area of Impact

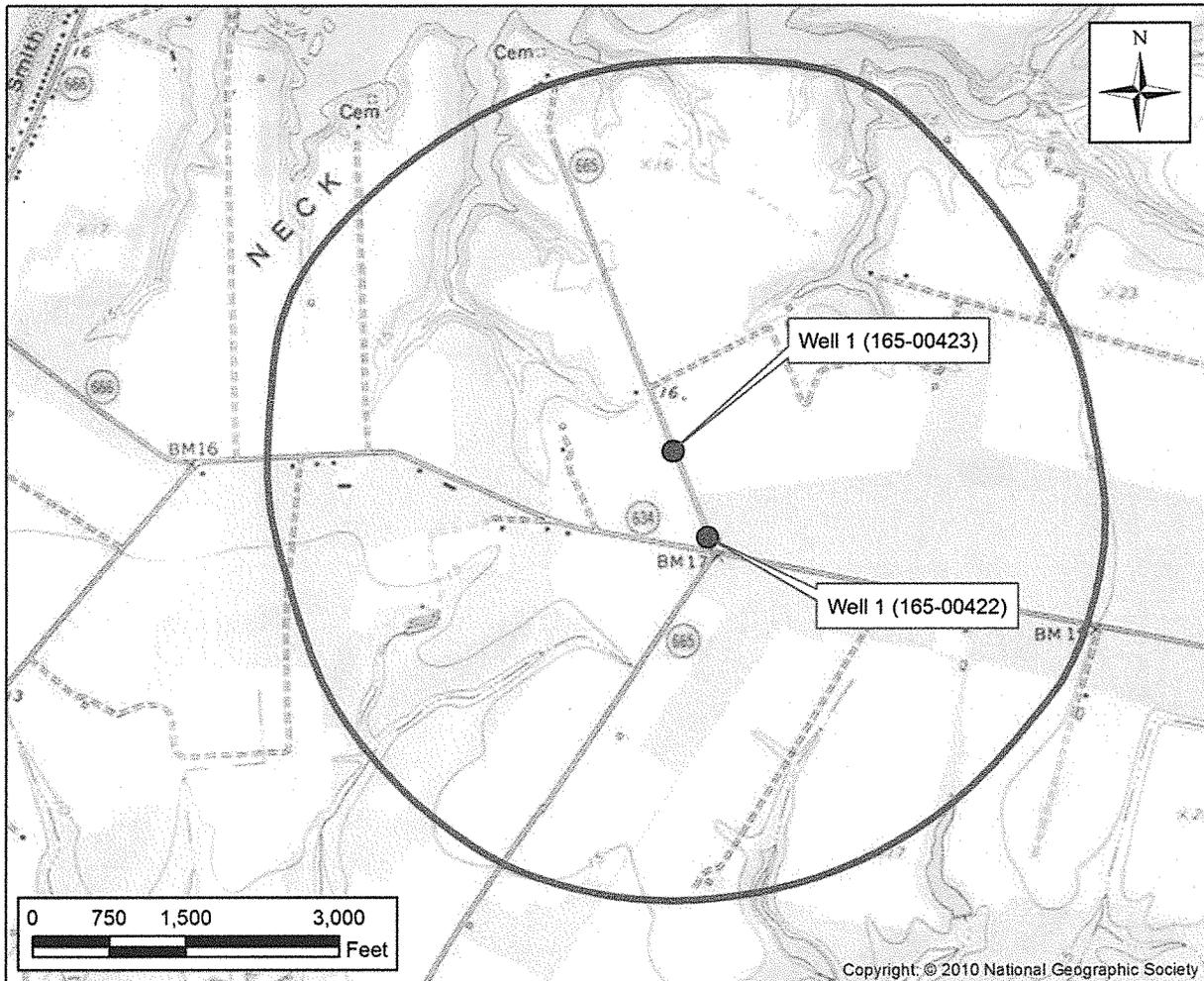
Simulated drawdown at or exceeding one foot in the Eastville Paleochannel aquifer resulting from a 10 year lump sum of 72,000,000 gallons simulated for 4 years at 15,000,000 gallons per year followed by 122 days at 3,000,000 gallons per month from the Upper Yorktown-Eastover aquifer or Eastville Paleochannel. Maximum radius of one-foot drawdown (Area of Impact) occurs 0.8 miles from the pumping center. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning January 20, 2014



# C&H Farms

## Area of Impact - Middle Yorktown-Eastover Aquifer



● C&H Farms Wells

○ Middle Yorktown-Eastover Area of Impact

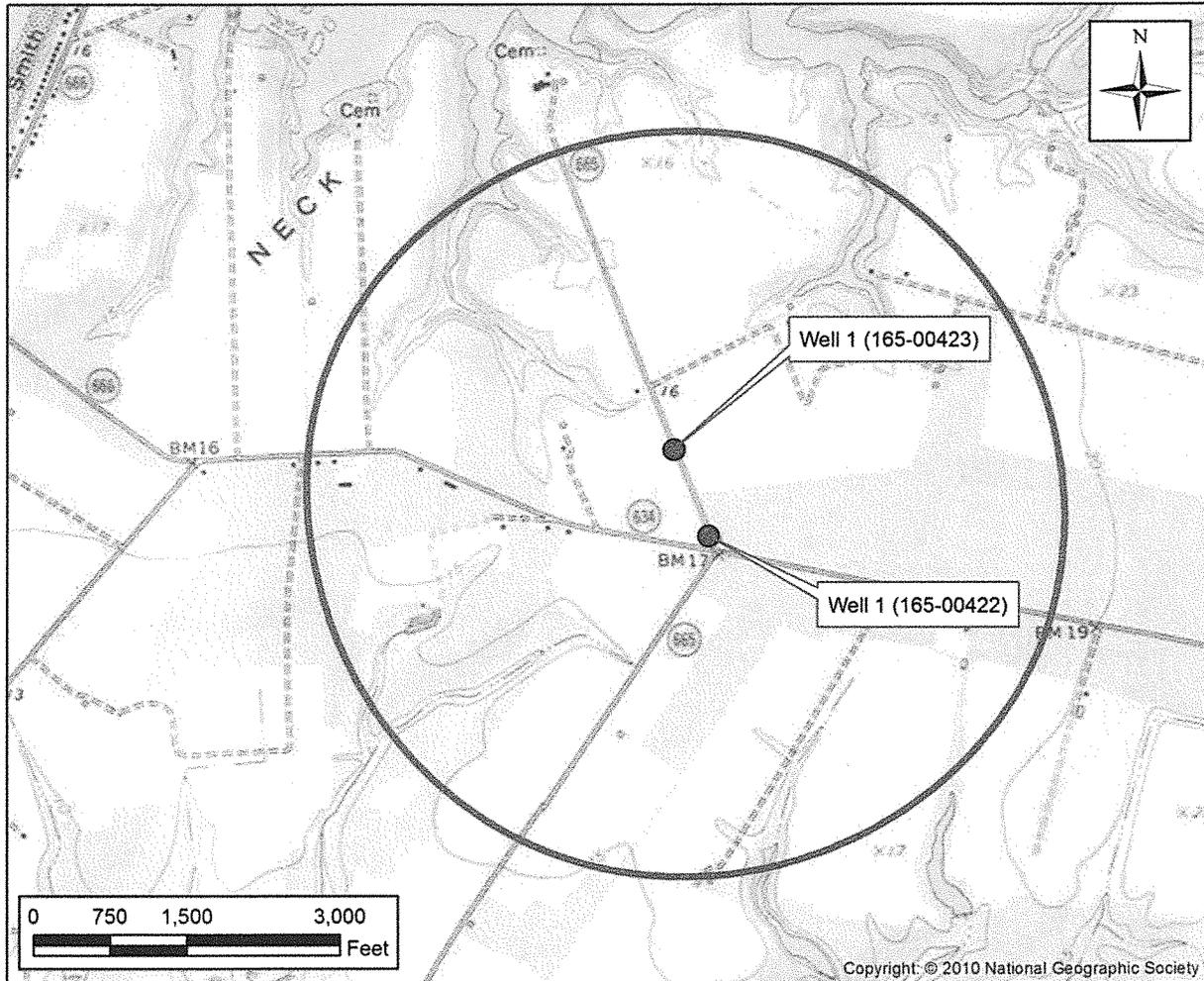
Simulated drawdown at or exceeding one foot in the Middle Yorktown-Eastover aquifer resulting from a 10 year lump sum of 72,000,000 gallons simulated for 4 years at 15,000,000 gallons per year followed by 122 days at 3,000,000 gallons per month from the Upper Yorktown-Eastover aquifer or Eastville Paleo-channel. Maximum radius of one-foot drawdown (Area of Impact) occurs 0.8 miles from the pumping center. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning January 20, 2014



# C&H Farms

## Area of Impact - Lower Yorktown-Eastover Aquifer



- C&H Farms Wells
- Lower Yorktown-Eastover Area of Impact

Simulated drawdown at or exceeding one foot in the Lower Yorktown-Eastover aquifer resulting from a 10 year lump sum of 72,000,000 gallons simulated for 4 years at 15,000,000 gallons per year followed by 122 days at 3,000,000 gallons per month from the Upper Yorktown-Eastover aquifer or Eastville Paleo-channel. Maximum radius of one-foot drawdown (Area of Impact) occurs 0.7 miles from the pumping center. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning January 20, 2014

