



COMMONWEALTH of VIRGINIA

DEPARTMENT OF HEALTH

OFFICE OF DRINKING WATER Richmond Field Office

Karen Shelton, MD
State Health Commissioner

Madison Building
109 Governor Street
6th Floor
Richmond, VA 23219
Phone: 804-864-7409
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SUBJECT: LOUISA COUNTY
Waterworks: Christopher Run Campground
PWSID No: 2109130

October 10, 2025

Mr. Samuel Kelley, Manager
7149 Zachary Taylor Hwy
Mineral, Virginia 23117

Dear Mr. Kelley:

This letter provides the results of our September 16, 2025 inspection of the proposed well sites to serve the Christopher Run Campground waterworks. In accordance with the *Waterworks Regulations*, the following well sites are tentatively approved by the Virginia Department of Health, Office of Drinking Water (VDH-ODW) for the construction of the wells to be utilized as a public drinking water supply:

Well Nos. 4, 5 and 6

The approval of the well sites listed above expires 12 months from the date of this letter and is subject to the conditions described in the attached Well Site Approval Conditions Form. This approval is limited to well drilling, casing, grouting, and testing of the well. If drilling of any well listed above has not commenced by the expiration date, a re-inspection of the well site is required.

Upon receipt of the required documentation and after plans and specifications have been approved, a Construction Permit will be issued by the State Health Commissioner in accordance with the *Waterworks Regulations*. Construction of the waterworks facilities shall not be started until the construction permit has been issued.

Waterworks wells must be constructed by a licensed Water Well Systems Provider in Virginia. You may confirm licensure status by contacting the Virginia Department of Professional and Occupational Regulation (DPOR) or using the search tool on DPOR's website at the following address:
<http://www.dpor.virginia.gov/LicenseLookup>.

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Construction and development of waterworks wells must follow specific procedures. Please refer to the conditions below and our website at <https://www.vdh.virginia.gov/drinking-water/permits-and-design/well-development-procedures/> for details.

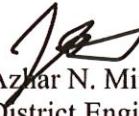
A Preliminary Source Water Assessment (PreSWA) has been compiled for the proposed well. Attached you will find inventory, maps and summaries of land use and potential sources of contamination within the assessment area of the proposed well. Please take the time to review this information and contact me if you have any questions or corrections. This information may be used to generate a Source Water Protection Plan if desired. For assistance developing a Source Water Protection Plan, please contact sourcewater@vdh.virginia.gov.

Upon request, an electronic version of the Preliminary Source Water Assessment information may be emailed to you. If you or your consultant has GIS software, we can also provide a geodatabase to facilitate further work with the data. To learn more about our Source Water Assessment and Protection Programs, as well as eligibility for assistance and funding opportunities to implement source water protection measures, we encourage you to visit our website at the following address: <http://www.vdh.virginia.gov/ODW/SourceWaterPrograms/index.htm>.

The Office of Drinking Water intends to amend the Waterworks Operation Permit to the subject waterworks after all necessary construction plans and specifications are approved, a construction permit is issued by this office, and construction is determined to be substantially completed in accordance with the approved plans and specifications.

Please contact me if you have further questions at (804) 664-4404.

Sincerely,


FOR Azhar N. Mirza
District Engineer
Richmond Field Office

Enclosures:

Well Approval Conditions Form
Preliminary Source Water Assessment

ec Louisa Co. Health Dept., attn: Environmental Health Manager and Health Director
Mr. Samuel Kelley, manager@christopherruncampground.com
Mr. Mike Craun, Engineer, ode@olddominionengineering.com
Christian Goodwin, Louisa County Administrator – info@louisa.org

WELL APPROVAL CONDITIONS FORM

Approved Well		Well No. 4	Well No. 5	Well No. 6	
Location:	Latitude:	38.10036111 N	38.10138889 N	38.099028 N	
	Longitude:	-77.890222 W	-77.8905 W	-77.88756 N	
Well Construction Class:	Class II B (The annular space around the well casing shall be grouted with neat cement to a depth of at least 50 feet or up to bed rock, whichever is greater.)				
Approval Expiration Date:	<i>October 9, 2025.</i> If drilling of the wells have not commenced by this date, re-inspection of the well sites is required.				
Well Location and Well Lot:	<p>Minimum distance of 50 feet between the well and all potential sources of contamination, property lines, and rights-of-way or easements on the property. Refer to 12VAC5-590-840 D & E.</p> <p>See attached (<i>sketch, topographic map, photo, etc.</i>)</p> <p>The well permit may be voided or revoked if site conditions change and/or minimum setback distances are not maintained to all potential sources of contamination.</p>				
	<p>The well lot must be graded as necessary to divert surface run-off from the well and to prevent ponding on the well lot.</p>				
	<p>If the well lot does not adjoin a public road, it must be served by an access road and include an access easement recorded as part of the well lot.</p>				
	<p>The well must be located higher than the 100-year flood elevation or a lower elevation may be considered if it can be adequately shown that the well can be protected from flooding.</p>				
Grouting:	<p>Use neat cement grout, in accordance with <i>Waterworks Regulations</i> Section 840 G. 5. Notify this office of the date and time that the well will be grouted. Provide this information as soon as possible so that a member of our staff may be present during grouting. (The annular space around the well casing shall be grouted with neat cement to a depth of at least 50 feet.)</p>				
Well Yield and Drawdown Test:	<p>A yield and drawdown test must be run for at least: 24 hours</p> <p>We recommended the pumping rate be controlled throughout the test to maximize the production from the well and to produce a stabilized pump water level for at least the last 6 hours of the yield test. Immediately following the yield and drawdown test the water level recovery in the well should be recorded for no less than 6 hours or until the well returns to its static water level, whichever occurs first. If water will discharge into streams during pumping tests, please contact the Department of Environmental Quality Northern Regional Office to determine if a discharge permit is required.</p>				
Required Bacteriological, Chemical, Physical and	<p>A series of twenty bacteriological samples must be collected from the well discharge and submitted to a certified laboratory (DCLS or private laboratory) in order to determine the bacteriological quality of the raw groundwater. One bacteriological sample should be collected at minimum 30-minute intervals during the last 10 hours of the yield and drawdown test.</p>				

Radiological Sampling:	Water samples must be collected and analyzed for, nitrate-nitrogen and nitrite-nitrogen. The chemical samples should be collected near the end of the pump test, prior to the recovery period.
	Uniform Water Well Completion Report (Form GW-2) and schematic drawing(s) of well construction.
	Well yield, drawdown, and recovery test results.
Submittals Required For Review Prior to Issuance of Construction Permit:	Results of required bacteriological and chemical sampling (if not reported directly by laboratory).
	Final construction plans and specifications, including design calculations, prepared by a licensed professional engineer. Recorded well lot plat and a recorded well dedication for each well lot.
	Construction permit application.
	Final construction plans and specifications, including design calculations, prepared by a licensed professional engineer. A Preliminary Engineering Report may be required prior to submission of final construction documents.