

December 13, 2025

Mr. Derrick Caruthers, Environmental Engineer  
DNREC Division of Water  
89 Kings Highway  
Dover, DE 19901

RE: Large System Operation Permit Application  
**Permit No. 609607**  
Country Rest Home, Inc.,  
8216 Purtybird Lane, Greenwood, DE

Dear Mr. Caruthers:

On behalf of Country Rest Home, Inc., this letter to support the Large System Operation Permit Application package for a wastewater treatment and disposal system located at 8216 Purtybird Lane, Greenwood, Delaware.

The proposed system has a design flow of 13,500 gallons per day and is designed to meet the PSN2 treatment standard. Wastewater treatment will be provided by a Moving Bed Biofilm Reactor (MBBR) treatment plant. Treated effluent will be discharged via a subsurface micro-irrigation disposal system consisting of three separate disposal areas.

A phased implementation approach is proposed in accordance with the attached septic system preconstruction meeting minutes. Disposal Areas 1 and 2 have been installed and together comprise approximately 92 percent of the total permitted disposal area. Disposal Area 3 will be constructed in the future in conjunction with the development of a planned independent living building. At this time, no design plans for that building have been prepared.

The wastewater treatment system and disposal areas were installed by Elvin Schrock & Sons, Inc., License No. 5941. The disposal areas are protected by a decorative chain-link fence, and a photograph documenting the installed fencing is included with this submission.

The Owner has also entered into a contract with a licensed wastewater hauler for the removal and disposal of biosolids generated by the system. A copy of the executed hauler agreement is included in the application package.

I am serving as the Engineer of Record for this project and hold a DNREC Class C license (No. 5878). To the best of my knowledge, the enclosed materials are complete and consistent with DNREC requirements for issuance of the requested permit.

The submission package includes the following items:

- One check for the application and advertisement fee

Mr. Derrick Caruthers  
The Country Rest Home, Inc.  
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- This Cover Letter
- Operation Permit Application
- Manufacturer Certification Letter
- Bio-Solids Plan – Hauler Agreement
- Groundwater Monitoring Data
- Legal Documents
- Operation and Maintenance Manual
- As-Built Plans

Should you have any questions or require additional information during your review, please do not hesitate to contact me. We appreciate DNREC's time and consideration of this application.

Please call me with any questions at (302) 841-7901.

Sincerely,



Dave Heatwole, PE | Principal

### Country Life Community – Septic Drain Field Pre-Construction Meeting

Meeting Date: June 28, 2022

Meeting Summary: July 6, 2022

Siteworks Engineering Project #: CHRE1901

#### Attendees:

Name	Company	Email
Derrick Caruthers	DNREC	<a href="mailto:derrick.caruthers@delaware.gov">derrick.caruthers@delaware.gov</a>
Mark Yoder	Country Rest Home	<a href="mailto:mbyoder@gmail.com">mbyoder@gmail.com</a>
Brent Schrock	Elvin Schrock & Sons, Inc.	<a href="mailto:schrockbrent@gmail.com">schrockbrent@gmail.com</a>
Trevor Schrock	Elvin Schrock & Sons, Inc.	<a href="mailto:schrocksons@verizon.net">schrocksons@verizon.net</a>
Brad Cate	Eastern Shore Soil Services	<a href="mailto:bradcate@easternshoresoil.com">bradcate@easternshoresoil.com</a>
Steve Denny	Country Rest Home	<a href="mailto:Farmall300ta@gmail.com">Farmall300ta@gmail.com</a>
Dave Heatwole	Siteworks Engineering	<a href="mailto:Dave.heatwole@siteworkseng.com">Dave.heatwole@siteworkseng.com</a>

#### Project Information

Permittee: Country Rest Home, Inc.  
Facility: Country Life Community On-Site Wastewater Treatment & Disposal Facility  
Location: 6939 Hickman Road  
Greenwood, DE 19950

#### Meeting Summary

We discussed the following items during the Country Life Community Septic Drain Field Pre-Construction Meeting. But the actual order of discussion may have differed from the list presented here.

1. The meeting started with discussions of the project schedule. Brent said he wants to start the installation of the drip irrigation tubing by the end of July.
2. We discussed the method of tubing installation. Brent proposed using a plow to install the tubing. Derrick said that is okay provided American Manufacturing provides documentation that plowing in the tubing is an acceptable installation method. Included with these minutes is the American "Perc-Rite" Drip Dispersal Systems Engineering Design Guidelines. Under Item VI. Installation and Testing on Page 6 of the Design Guidelines, several types of installation techniques are listed: "trenched, plowed, or excavated or special procedure for ultra-shallow."
3. Derrick confirmed that the tubing is to be installed at least 6" in the ground. Brent plans to install the tubing with 6-9" of cover.

4. A portion of the site was previously wooded, and Dave noted that the area needs to be leveled to meet the intent of American Manufacturing's requirements that the tubing be installed along the contour. Per the discussion, the plan is to level the bumpy area using a tractor with a small disk and a tracked skid loader with a rototiller-like implement.
5. We discussed project phasing. Derrick confirmed that it is acceptable to install the disposal area in phases, provided that the disposal area is not subject to greater loading than what is anticipated upon system buildout. The plan is to initially install Area 1 and Area 2 as noted on the approved construction drawings. Area 3 is to be installed when the independent living building is constructed.
6. The ground was farmed prior to the SIR and subjected to large agricultural equipment. Dave inquired about using a ripper or chisel plow on the disposal area prior to installing the tubing. Derrick that it is fine to do this if Brad Cate makes the recommendation. Brad planned to perform additional borings after the meeting to determine if using a ripper or chisel plow would be beneficial to the proposed system.

This summary represents my best recollection of the items discussed at the meeting. Please submit written comments, additions, or exceptions to this summary by July 13<sup>th</sup>. The record on these minutes will become final if no comments are received by that date.

Please give me a call if you have any questions or concerns at 302-841-7901.



Dave Heatwole, PE | Principal  
**SITEWORKS ENGINEERING**



# Post Construction Photos

Photo #1 - Showing the fence protecting Disposal Area #2, typ all Disposal Areas.



Photo #2 - Showing the Wastewater Treatment Building and the Vent Pipes Coming from the Tanks.





Photo #3 - Showing the Wastewater Treatment Building and the Vent Pipes Coming from the Tanks (side view)



Photo #4 - Showing the fence protecting Disposal Area #1 and the grass planted in the disposal area per American Manufacturings recommendations.

