



COMMONWEALTH OF VIRGINIA

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Alleghany Health District
Roanoke City Health District

Roanoke County Health Department
POB 307, 227 S Pollard St
Vinton VA 24179
Phone: (540) 857-7807 Fax: (540) 857-6991

April 4, 2008

Eric Nelson
8035 Hilltop Dr
Roanoke VA 24018

Re: Sewage Disposal Operation Permit - Water Supply System Approval
Health Dept. ID# C06-180-0213, Tax Map Ref. 95.01-2-22.1,
Subdivision: , Section: , Block:
, Lot:

Enclosed is the Operation Permit for your Sewage Disposal and a Record Of Inspection-Nonpublic Drinking Water Supply System for the above referenced location. The Operation Permit is approved for a 3-bedroom house with a sewage capacity of 450Gallons Per Day (GPD).

It is most important that you retain this information with your deed and other information regarding this property.

If this office can be of further assistance to you, please call (540) 857-7807.

Sincerely,


David Burris
Environmental Health Specialist Senior

Enclosures

pc: Building Department

Sewage Disposal System Operation Permit

Property Owner

Eric Nelson
8035 Hilltop Dr
Roanoke, VA 24018
Phone: (540) 989-9398

Health Dept. ID: **C06-180-0213**

Tax Map: **95.01-2-22.1**

Locality: Roanoke County

Property Location

Property Address: Old Mill Rd
Roanoke, VA 24018

Directions: 2nd lot on L

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Eric Nelson is hereby granted permission to operate a Advantex (GMP #114) Sewage System at the above referenced location, having a design capacity of **450** gallons per day, or **3** bedrooms maximum.

This permit is issued in accordance with the provisions of Title 32.1, Chapter 6 of the Code of Virginia as Amended, and Section 12VAC 5-610-340 of the Sewage Handling and Disposal Regulations of the Virginia Department of Health. The issuance of an operation permit does not denote or imply any guarantee by the department that the sewage disposal system will function for any specified period of time. It shall be the responsibility of the owner or any subsequent owner to maintain, repair, or replace any sewage disposal system that ceases to operate in accordance with the regulations.

April 4, 2008
Effective Date

David Burris
EHS


Signed April 4, 2008

Record of Inspection - Nonpublic Drinking Water Supply System

Property Owner

Eric Nelson
8035 Hilltop Dr
Roanoke, VA 24018
Phone: (540) 989-9398

Health Dept. ID: **C06-180-0213**

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Well Driller: B & L Water Specialists

Nonpublic drinking water well class: Class IIIB

Date construction started: April 23, 2007

Has water well completion report been filed as required by Sec. 12 VAC 5-630-440. Yes

Well Location / Distances from sources of pollution:

(See Table 3.1 and 12 VAC 5-630-380 of the Private Well Regulations)

Building Sewer feet; Pretreatment Unit feet; Conveyance System feet; Subsurface Soil Absorption System feet (nearest point); Property Line feet; house: 64 feet.

Construction, General: (See 12 VAC 5-630-400 and 410 of the Private Well Regulations)

Total depth of well 300 feet; Type of casing Sch 40 PVC WC; Depth of casing 74 feet; Diameter of casing 6.25 inches. Casing extends 12 inches above ground. Annular space was sealed with bentonite to a depth of 52 feet, and was Pumped from bottom upward. Screens (if used) are constructed of . Well head and opening to the interior protected: Yes. Type of well seal: Well cap. Pitless adapter used: Yes. If so, was it properly installed: ; and properly vented: .

Quantity: Yield and drawdown determined by continuous pumping of .5 hours.

Yield: 10 GPM; Drawdown: feet; Static Water Level: feet; Type of storage: .

Quality: Sample tap provided at entry into system: Yes. Sample(s) collected: Yes. Result of samples: Satisfactory. Date of Sample: March 28, 2008

Satisfactory Construction: Yes on July 18, 2007

Well Approved for Use: Yes on July 20, 2007

Signed April 1, 2008



David Burris, EHSS

Sewage System Construction Inspection Report

Property Owner

Eric Nelson
8035 Hilltop Dr
Roanoke, VA 24018
Phone: (540) 989-9398

Health Dept. ID: **C06-180-0213**

Tax Map: **95.01-2-22.1**

Locality: Roanoke County

Property Location

Property Address: Old Mill Rd

Directions: 2nd lot on L

Sewer Line

Diameter: 4", Material: Sch 40 Plastic, Grade: 1 1/4"/10' minimum
Inspected on August 21, 2007 by David Burris
Satisfactory: **Yes**

Septic Tank(s)

Tank Identifier	Tank Size (gallons)	Tank Material
1	1000	Concrete (pre-cast)

Total # Tanks: 1 1000 Gallons Total Septic Tank Volume
Inspected on August 21, 2007 by David Burris
Satisfactory: **Yes**

Treatment Device

Make and Model: Orenco, AX-20
Capacity:
Inspected on August 21, 2007 by Balzer and Associates
Satisfactory:

Effluent Conveyance System

Method: Gravity
Make and Model:
Dosing Volume: Drawdown:
1/4 Day Storage: Yes Storage Volume: High Water Alarm: Yes
Chamber Total Size:
Inspected on August 21, 2007 by Balzer and Associates
Satisfactory:

Conveyance Line

Diameter: 4" Material: Sch 40 Plastic
Grade: 6"/100' minimum
Inspected on August 21, 2007 by David Burris
Satisfactory: **Yes**

Distribution System

Method: Gravity Distribution Box
Material: Polyethylene Box
Inspected on August 21, 2007 by David Burris
Satisfactory: **Yes**

Header Lines

Diameter: 4", Material: Corrugated plastic
Inspected on August 21, 2007 by David Burris
Satisfactory: **Yes**

Dispersal Area

Dispersal Method: Gravel-less System
Number of Trenches: 5, Trench Length: 40', Trench Width: 3'
Trench Bottom Depth: 36", Center to Center Spacing: 10'
Aggregate: Gravel, Size: ", Aggregate Depth: "
Inspected on August 21, 2007 by David Burris
Satisfactory: **Yes**

Constructed by: OK DITCHING

Documentation Received:

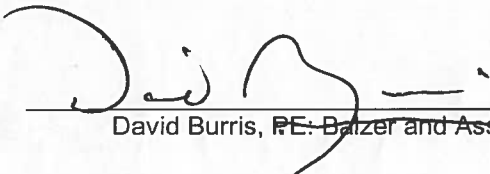
Completion Statement Received By: David Burris on August 21, 2007

As-Built Sketch Received By: David Burris on August 21, 2007
PE Completion Statement Received By: David Burris on April 4, 2008

Overall Result

Satisfactory Construction: Yes
Approved for Operation Permit: Yes on April 4, 2008

I hereby certify that this system was installed substantially in accordance with the Sewage Handling and Disposal Regulations, relevant VDH policies, and manufacturer recommendations. All deviations from these standards of practice were determined to be minor variations, are noted above, and in my opinion will not materially affect the safe and sanitary operation of the system.



David Burris, PE, Balzer and Associates

April 4, 2008

Sewage Disposal System as Built Drawing

