## Sewage Disposal System Construction Permit

PAGE 1\_0F 2

Commonwealth of Virg	jinia	
Department of Health		

REAL COUNTY Health Department

Health Department Identification Number 5D - 88 - 25	-4
Identification Number 30-00 &	3 7
Map Reference 50-6-A-2-	<del>(-(-&gt;)</del>

General I	nformation 50-588-2 (D-10)
New P Repair Expanded Conditional Based on the application for a sewage disposal system 3.13.01, a construction permit is hereby issued to:  Owner Caraba Buck Run Chara	construction pormit filed in accordance with Section
Address 20128 Buck Run Ct.	CULPER V4 22701
For a Type Sewage disposal system which is 770 O 0 5 MILES NORTH OF INT.	to be constructed on/at EAST SINT OF RICE
Subdivision RIVE CUN ESTATES Section	/Block Lot _ Z
Actual or estimated water use 4506PD (3 B=0	Rums) ;
DESIGN	NOTE: INSPECTION RESULTS
Water supply, existing: (describe)  To be installed: class	Water supply location: Satisfactory yes ☐ no ☐ comments G. W. 2 Received: yes ☑ no ☐ not applicable ☐
cased Rakt grouted 20FT (m/u.)	d. W. 2 Necested. Yes K. No C. Not applicable
Building sewer:  1.D. PVC 40, or equivalent.  Slope 1.25" per 10' (minimum).  Other	Building sewer: yes ☑ no ☐ comments Satisfactory
Septic tank: Capacity ///// gals. (minimum).	Soliefontone
Inlet-outlet structure: PVC 40, 4" tees or equivalent.  Other	Inlet-outlet structure: yes ☑ no ☐ comments Satisfactory
Pump and pump station:  No   Yes   describe and show design.  if yes:  ———————————————————————————————————	Pump & pump station: yes ☐ no ☐ comments Satisfactory
Gravity mains: 3" or larger I.D., minimum 6" fall per 100', 1500 lb. crush strength or equivalent.  L'Other 4" I.D.	Conveyance method: yes no comments Satisfactory
Distribution box:  Precast concrete with ≥ 7 ports.  ☐ Other	Distribution box: yes ☐ no ☐ comments Satisfactory
Header lines:  Material: 4" I.D. 1500 lb. crush strength plastic or equivalent from distribution box to 2' into absorption trench. Slope 2" minimum.  ☐ Other	Header lines: yes ☑ no □ comments Satisfactory
Percolation lines: Gravity 4" plastic 1000 lb. per foot bearing load or equivalent, slope 2" 4" (min. max.) per 100'.  ☐ Other	Percolation lines: yes ☐ no ☐ comments Satisfactory
Absorption trenches:  Square ft. required 1128: depth from ground surface to bottom of trench 364; aggregate size 1/2-1/2:  Trench bottom slope 2.77 64 1-1645 0=4 1-100-7;	Absorption trenches: yes ☑ no □ comments Satisfactory
center to center spacing 7FT; trench width 24"  Depth of aggregate 12 Mile; 5 (Millian M);  Trench length 100 FT; Number of trenches 6	Date Inspected and approved by:



Health Department Identification Number 5/

### Schematic drawing of sewage disposal system and topographic features.

Show the lot lines of the building lot and building site, sketch of property showing any topographic features which may impact on the design of the system, all existing and/or proposed structures including sewage disposal systems and wells within 100 feet of sewage disposal system and reserve area. The schematic drawing of the sewage disposal system shall show sewer lines, pretreatment unit, pump station, conveyance system, and subsurface soil absorption system, reserve area, etc. When a nonpublic drinking water supply is to be located on the same lot show all sources of pollution within 100 feet.

☐ The information required above has been drawn on the attached copy of the sketch submitted with the application. Attach additional stress as frecessary to illustrate the design. DRAINFIELD LINES MUST BE INSTALLED ON CONTOUR. 6 LINES , 100 FT LUNG. 7 FT. CENTERS DRAWFIELD AREA; 100 X 37FT. RESERVE AREA: 52 FT HOUSE 10FT (ATMINIMUM) The sewage disposal system is to be constructed as specified by the permit programmer or attached plans and specifications \(\sigma\). This sewage disposal system construction permit is null and void if (a) conditions are changed from those shown on the application (b) condi-

tions are changed from those shown on the construction permit.

No part of any installation shall be covered or used until inspected, corrections made if necessary, and approved, by the local health department or unless expressly authorized by the local health dept. Any part of any installation which has been covered prior to approval shall be uncovered if necessary upon the direction of the Department

area in the desired and a second of the population.		
Date: 25 MAY 1988 Issued by: Louis	Sanitarian	This Construction Permit Valid until
Date:/. 88Reviewed by:	Supervisory Santarian	25 OCT. 92
If FHA or VA financing	,	~
Reviewed by Date	Date	

C.H.S. 202B Revised 6/84

II-2A

Supervisory Sanitarian

FILE COPY

Regional Sanitarian

Record Of Inspection—Nonpublic Drinking Water Supply System

	<del>-</del>				
Commonwealth of Virginia Department of Health	water supply con junction with an	se of form required only when Health Departmer tater supply constructed in construction with an on-site sewage isposal system, or when FHA, VA			8-254
F.H.A. or V.A. Case Number	financing is involv			N	lap Reference
If Applicable				50	58B-2
Date					
Owner C. Jack Frazier	Address	2377 Kirtley ulpeper, Va.	Trail 22701	_ Phone .	547-2724
Exact Location of Premises					
Subdivision BUCK RUN ESTATES	Section/E	Block		Lot	2
Class of nonpublic drinking water  Date of installation 7-1-88	2) Clas 3) Clas	ss III B. ( ss III C. ( ss III D. (	drilled well) 🕍 bored well) 🗌 jetted well) 🗍 dug well) 🗍		,
<ol> <li>Water well completion report f</li> <li>Well Location: Distances from 10.04.01 and 18.02.02.         Building Sewer</li></ol>	Pretreatment U (nearest o divert water aw ection 18.02.05, ar feet Type of casi Casing extends in pth of	nit Properly ins notinites above grantine above gra	Conveyance Say Line Yes   No name   No name    Local Depth of ound   Example   No    Seal between screes   No   Type    Stalled? yes   No   Type    Stalled? yes   No   No    Stalled? yes   No   No   No    Stalled? yes   No   No   No    Stalled? yes   No   No   No   No    Stalled? yes   No   No   No   No   No    Stalled? yes   No   No   No   No   No   No    Stalled? yes   No   No   No   No   No   No   No    Stalled? yes   No   No   No   No   No   No   No   N	SystemOther of the control of t	Subsurface  feet. Diamete ce around casing seale asing? yes no [ seal Vented Proper venting?  rawdown feet yes this form)
attached, this water supply is apprendiction.  Date 3 - 7 - 89  Date	oroved. 💢 Sign	ed <i>U</i>	hen La Do Se	anitarian	
Date	Sign	ed	Regional Sanita		
C.H.S. 204 Rev. 4/83			negional Sanita	a (II V.A. (	vi i inimij

Form GW-2 1978-10,000

# COMMONWEALTH OF VIRGINIA

WATER WELL COMPLETION REPORT

<ul> <li>BWCM No.</li> </ul>	

State Water Control Board	(Certificat	ion or comp	netion/County Fermiti
P. O. Box 11143			SWC8 Permit
2111 North Hamilton St. Richmond, Va. 23230			County Permit
			County remint
		•	Certification of inspecting official:
County/City Culpe	eper		This well does does not
		County/City	y Stamp meet code/low requirements.
Virginia Plane Coordinates	7		3
N	laa laa Jack	Frazier	Date
	1		For Office Use
E	1		
Latitude & Longitude	Address 2377 Kir		
`N	1 1 1	•	
W	Phone <u>547-2724</u>		Subdivision BUCK KUN EST
Topo, Map No			Section
• Elevation ft.	Drilling Contractor DON	UNION WEL	L COMPANY Block Rt. 720
• Formation	Address 361		
Lithology			
	•		
River Basin	Phone	``	
Province			
Type Logs	WELL LOCATION:	(feet/mile	sdirection) of
Cuttings	andfeet/m		
Water Analysis	(If possible please inclu		
Aquifer Test	ļ		Difections. Dec levelse
	Date started 6-30-	88 • Date	completed 7-1-88 Type rig air rotary
	•		
WELL DATA: New X Re	eworked Deepened_		2 MATER DATA & Mater temperature
			2. WATER DATA • Water temperatureOF
o l'Otal deptil		<del></del> ''·	•Static water level (unpumped level-measured) 20 ft
	30	rt.	•Stabilized measured pumping water levelft
• Hole size (Also include rear	ned zones)		Stabilized yield $\frac{100}{}$ gpm after $\frac{1}{}$ hours
• 10 inches from	m <u> </u>	63 ft.	Natural Flow: Yes No x , flow rate: g pm
• 6-1/8 inches troi	m <u>63</u> to	125 tt.	Comment on quality muddy
•inches troi	m to	ft.	3. WATER ZONES: From 67 To 68
Casing size (I.D.) and mater			
	n <u>+ 1</u> to	60 6	From 110 To 112 From 123 To 125
		<u></u>	From To From To
. Material steel		100	4. USE DATA:
Wt. per foot	3 or wall thickness	•188 in.	Type of use: Drinking X Livestock Watering
	n to		IrrigationFood processing Household X
Material			Manufacturing Europeasing Household A
	or wall thickness	in	Manufacturing, Fire safety, Cleaning
			Recreation, Aesthetic Cooling or heating
	n to		Injection, Other
Material			●Type of facility: Domestic X , Public water supply
Wt. per foot	or wall thickness	in	Public institution Farm, Industry
Screen size and mesh for ea	ch zone (where applicable)		Commercial , Other
•inches from	n to	ft.	5. PUMP DATA: Type PRated H.P.
• Mesh size	Туре		Plataka danth
• inches tron	nto	· ·	●Intake depth ●Capacity at head
	Type		6. WELLHEAD: Typc well seal
			Pressure tank gal., Loc
inches from	n to	ft.	Sample tap, Measurement port
• Mesh size	Туре		Well vent, Pressure relief valve
• inches from	n to	ft.	Gate valve Chack valve to be
	Туре		Gate valve, Check valve (when required)
	, , be	<del></del>	Electrical disconnect switch on power supply
Gravel pack		_	7. DISINFECTION: Well disinfected ves no
	_ to	īt.	Date, Disinfectant used
•From	to	ft	Amount , Hours used
Grout			8. ABANDONMENT (where applicable) • yesno
● From ∩ to	20 ft., Typepressur	e .	
	ft., Type 19_b		Casing pulled yes no not applicable
		aga	Plugging grout Fromtomaterial

	•		
_			
'Owner			

BWCM No.

9. State law requires submitting to the Virginia State Water Control Board Information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly-pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)			11.	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)	
DEPTH	EPTH (feet) TYPE OF ROCK OR SOIL . REMARKS		Drilling		
From	То	(color; material, fossils, hardness, etc.)	(water, caving, cavities, broken, core, shot, (etc.)	Time (Min.)	
0	30	OVERBURDEN			
30	125	BLUE & RED SHALE .			
	Ŷ			,	•
		RT. 66 W TO RT. 29 S (NEW BYPASS	) TO 3RD CULPEPER	EXIT	
		(RT. 15S) (L) FOR 2 MILES TO RT	601 (L) FOR $1/4$	MILE	
		TO RT. 720 (L) (NO SIGN) 1ST (L) TO CONSTRUCTIMON ON (R). (LOOK	FOR APPROX: 1/4 : FOR BLDKS. SIGN).	MILE	
	I		•		
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Server .	A CA
State Water Control-Bo	1000 ard Regional Offices
F 77-	CEII, -
Valley Reg. Office "	Priedmon Reg. Oly.
116 North Mail Street CU	PFBOAD West Broad Street
P. O. Box 268	P. 6. Bbx 6616
P. O. Box 268 Bridgewater, Val 228 12EA	THRIPTOPOND. VA. 73230
103.050.5333 AN	8047259-100679
Southwest Reg. Off. 408 East Main Street	, Tidewater Reg. Off.
408 East Main Street 🌂 🗸	// (28% Pemproke Office Par
P. O. Box 476	Suite 310 Pemproke No.
Abingdon, Va. 24210	Va. Beach, Va. 23462

West Central Reg. Off. Executive Park 5312 Peters Creek Road Roanoke, Va. 24019 708 - 982 - 7432

703-628-5183

Northern Virginia Reg. Off. 5515 Cherokee Avenue Suite 404 Alexandria, Va. 22312 703-750-9111

804-499-8742

Well lot dedicated?	; Size	ft. X	ft.; Well house?	
Distance to nearest property	line		ft., Buildingf	
WATER SERVICE PIPE:	Checked u	nder	p.s.i. for	
Installer				
Date	<del></del>			
	Distance to nearest pollutant Distance to nearest property WATER SERVICE PIPE: ( minutes, Pipe size	Distance to nearest pollutant source Distance to nearest property line WATER SERVICE PIPE: Checked u minutes, Pipe size	Distance to nearest pollutant source  Distance to nearest property line  WATER SERVICE PIPE: Checked under	Well lot dedicated? ; Size ft. X ft.; Well house?

15. I pertify that the information contained/herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent and ordinances and the laws and rules of the Commonwealth of Virginia.

Signature (Well driller or authorized person)

eal). Date



### ENVIRONMENTAL SYSTEMS SERVICE, LTD.

#### CERTIFICATE OF ANALYSIS

FOR: C. Jack Frazier

2377 Kirtley Trail Culpeper, VA 22701

SAMPLE NUMBER:

ESS-47153

SAMPLE SOURCE:

Buck Run Estates

DATE SAMPLED:

February 27, 1989

PARAMETER

CONCENTRATION (# OF TUBES WITH AIR)

Total Coliform (MPN)

0

This water sample has passed the minimum potable water test requirements as established by the Health Department.

REVIEWED BY:

Pamela M. Pruett/Lab Manager

REPORTED BY:

ENVIRONMENTAL SYSTEMS SERVICE, LTD.

P.O. Box 512

Culpeper, Virginia 22701

DATE:

March 1, 1989

VA Lab ID # - 00115

# Sewage Disposal Symem Operation Permi

# Commonwealth of Virginia Department of Health

Tax Map	No.	50 -	588-2

**Effective Date** 



Approved (State Health Commissioner)

C. Jack Fraz	is Hereby Granted Permission	
	Sewage Disposal System Having a Design Capacity of	· ·
SUBDIVISION	SECTION/BLOCK	LOT
BUCK RUN ESTATES	•	2
with Previously Issued permits	of the Sewage Handling and Disposal Regulations of the	
with the Sewage Handling and Disp	wner and/or any Subsequent Owner will operate the Sewagosal Regulations of the Virginia Department of Health and ar oes not imply or Guarantee that the Sewage Disposal Systems	ge Disposal System in Accordance ny Variances or Conditions Granted.
VARIANCES GRANTED NONE SEE ATTACHED	SPECIAL CONDITIONS  NONE SEE ATTACK	HED O
3-7-89		A July 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Recommended (Sanitarian)

## Completion Statement

# Commonwealth of Virginia State'Department of Health

State <sup>4</sup> Department o	of Health		Health Department	erSD-88-254
Name of Company/Co	orporation/Individual:	B.L. Ca	<u>Culpeper Count</u> blage	y Health Department
Address:		To	elephone:	
Owner's Name	C. Jack Frazier	•		
	2377 Kintley Trail	Culpeper, Va.	22701	
Location of Installat	ion: Lot	2	Block	
Section:		Subdivis	ion: Buckru	in .
Other:				<del></del>
truction permit issued			and is in compliant and specifications f	I in accordance with the connec with Part D of the Sewage or the project.
7	7-21-88		D.J. C.	e Chare
	Date		Sign	ature and Title

### **Soil Evaluation Form**

PAGE / OF 2

Commonwealth of Virginia Department of Health

Health Department Identification Number 5D - 88 - 254Tax Map Number 50 - 888 - 254

General Information				
Date 23 MAY 1988 CULPEPER COUNTY Health Department				
Applicant C. JACK FRAZIER Telephone No. (703) 547-2724				
Address 2377 KIRTLEY TRAIL, CULPEPER, VA 22701				
Owner Address				
Location EAST SIDE OF RTE 720; 0.25 MI, NORTH INT. 601/720				
Subdivision BUCK RUN ESTATES Block/SectionLot				
Soil Information Summary				
1. Position in landscape satisfactory Yes ➡ No □ Describe SIDE SLOPE				
2. Slope <u>6-7</u> %				
3. Depth to rock/impervious strata Max Min None				
4. Depth to seasonal water table (gray mottling or gray color) No Yes  inches				
5. Free water present No 🕒 Yes 🗆 range in inches				
6. Soil percolation rate estimated Yes ☐ Texture group I II ☐ IV  No ☐ Estimated ratemin/inch				
7. Percolation test performed Yes  No Depth of percolation test holes  Average percolation rate				
Name and title of evaluator: DOUGLAS L. JENKINS, SANITARIAN				
Signature: Louglos L. Jenkins				
Department Use				
Site Approved: Drainfield to be placed at 36" depth at site designated on permit.				
☐ Site Disapproved:				
Reasons for rejection:  1. Position in landscape subject to flooding or periodic saturation.				
2.  Insufficient depth of suitable soil over hard rock.				
<ul> <li>3.  Insufficient depth of suitable soil to seasonal water table.</li> <li>4.  Rates of absorption too slow.</li> </ul>				
5. Insufficient area of acceptable soil for required drainfield, and/or Reserve Area.				
6. ☐ Proposed system too close to well. 7. ☐ Other Specify				

Date of Evaluation 23 MAY 88

## Profile Description SOIL EVALUATION REPORT

Health Department 10-88-254

Page 2 of 2

Where the local health department conducts the soil evaluation the location of profile holes may be shown on the schematic drawing on the construction permit or the sketch submitted with the application. If soil evaluations are conducted by a private soil scientist, location of profile holes and sketch of the area investigated including all structural features i.e., sewage disposal systems, wells, etc., within 100 feet of site (See section 4) and reserve site shall be shown on the reverse side of this page or prepared on a separate page and attached to this form.

☐ See application sketch	☐ See sketch on reverse side or page attached to this form

Hole #	Horizon	Depth (Inches)	Description of, color, texture, etc.	Texture Group
/	A B, B <sub>2</sub>	0 - 3 3 - 14 14 - 60	DK BRN LOAM DK RED BRN CL RED SICL	IL
	₿,	3 - 14	DK RED BRN CL	711
	B's	14-60	RED SICL	71
2_	A B,	0-2-2-14	DK BRN L DK RED BRN CL RED SICL	I
	B.	2 - 14	DK RED BRN CL	711
	Ba	14-60	REN SICIL	ना या
		7 4 - 4 -	7.00	
3	A B, B <sub>2</sub>	0-1	BRI L	#
	B	1 - 16	DK RED BRN CL	'गा
	D'	1-16	RED SICL	
-		16-60	RED SICC	777
			-	
-				
				-
	· · · · · · · · · · · · · · · · · · ·			

Remarks

Application for a Semge Disposal System onstruction Permit Health Department **Commonwealth of Virginia** For Department Use Only Identification Number \_\_\_ **Department of Health** Map Reference 50-588-2 Lupiper Co. Health Department Date Received \_\_\_ To Be Completed By The Applicant **□** New Type sewage system: ☐ Expanded ☐ Conditional ☐ Repair FHA/VA yes no 🗆 C. JACK FUAZIEV Address 2377 Kirty Trail Phone 547-2724

Celpsper, Va. 22701 \_\_\_\_\_ Address \_\_\_\_\_ Phone \_\_\_\_\_ Directions to Property RT. 15 Smtl left on RT. 601 - 14mi, left on 185.720 1/4 mi. on Right Subdivision Buck Run Section 50 Block Lot 2 Other Property Identification \_\_\_\_\_\_ Dimensions/size of Lot/Property \_\_\_\_\_ Other Application Information I. Building/facility ☐ New □ Existing If yes, describe: Intermittent Use ☐ Yes □ No II. Residential Use Yes ☐ No **Termite Treatment** □ Yes □ No ☐ Multifamily Number of Units \_\_\_\_ Number of Bedrooms \_\_\_\_\_ Single Family **Basement** ☐ Yes ☑ No Fixtures in Basement □ No ☐ Yes Describe: \_\_\_\_\_ III. Commercial Use ☐ Yes □ No Number of Patrons \_\_\_\_ Number of Employees \_\_\_\_ Commercial/Wastewater ☐ Yes ☐ No If yes, give volumes and describe \_\_\_\_\_ Describe: Well IV. Water Supply: ☐ Public ☐ New Private □ Existing V. Proposed Installation: Septic tank and drainfield ☐ Other If other, describe \_\_\_\_\_ Attach a site plan (rough sketch) showing dimensions of property, proposed and/or existing structures and SITE **PLAN** driveways, underground utilities, adjacent soil absorption systems, bodies of water, drainage ways, and wells and springs within 200 feet radius of the center of the proposed building or drainfield. Distances may be paced or estimated.

The property lines and building location are clearly marked and the property is sufficiently visible to see the topography. I give permission to the Department to enter onto the property described for the purpose of processing

this application.