TARRANT REGIONAL WATER DISTRICT

140 FM 416, Streetman, Texas 75859 903-389-3928

AUTHORIZATION TO CONSTRUCT AN ON-SITE SEWAGE FACILITY

Application Number

RC 080060

Property Owner

Keith E. Nickel

Mailing Address

6703 Lake Circle Dr.

Dallas, Tx. 75214

Property Location

Lot # 58

April Cove

Freestone County, Texas

This serves to notify all persons that an on-site sewerage facility application, related technical data, and the appropriate fee have been received by the Tarrant Regional Water District (District) from the property owner. The application has been reviewed for technical and administrative consideration against the standards set forth by the District. Approval is hereby granted for the construction as shown on the submitted plans.

Any modifications to submitted plans require approval by the Tarrant Regional Water District prior to installation.

You or your installer must contact the District office at 903-389-3928 between 7:30 A.M. to 8:30 A.M. to arrange for the required facility inspection. Calls after 8:30 A.M. may result in inspection being delayed until the next working day. The authorization to construct is valid for one year from the date of issue of an application. If a final inspection has not been performed within one year of issue, a new application and fee will be required.

Comments: The following design is based upon the minimum standards set forth by the Texas Natural Resource Conservation Commission and is based on a maximum daily flow of 240 gallons, the use of water saving devices is required.

Authorized District Representative

TARRANT REGIONAL WATER DISTRICT 140 FM 416, Streetman, Texas 75859 903-389-3928 Fax # 903-389-7587 APPLICATION FOR ON-SITE 080 Z *SEWAGE FACILITY* TRWD RESERVOIR es toire COUNTY OF INSTALLATION PROPERTY OWNER'S NAME: 1. PERMANENT MAILING ADDRESS: 0 | 2. TELEPHONE NO. DURING DAY: (A H 3. 4. PROPERTY DESCRIPTION: LOT NO. BLOCK 5. Private Well Public Water Supply 6. No. of Bedrooms 3 SINGLE FAMILY RESIDENCE: Living Area (sq. ft.)_ 7. DESIGNED MAXIMUM DAILY WATER CONSUMPTION (gpd):_ COMMERCIAL/INSTITUTIONAL (including multi-family residences) TYPE: 8. NO. OF EMPLOYEES/OCCUPANTS/UNITS: DAYS OCCUPIED PER WEEK: DESIGNED MAXIMUM DAILY WATER CONSUMPTION (gpd): IS AN ORGANIZED SEWAGE COLLECTION WITHIN 300 FEET? 9. 10. INSTALLER: 11. PHONE NO .: I certify that the above statements are true and correct to the best of my knowledge. Authorization is hereby given to the Tarrant Regional Water District to enter upon the above described private property for the purpose of lot evaluation and inspection of on-site sewerage facilities. I understand that the approval of this application constitutes authorization for construction of the onsite sewerage facility and that a permit to operate the facility will be granted following successful inspection of the installed system which indicates that the system was installed in compliance with TNRCC's On-Site Sewage Facility Rules (OSSF) and the District's Waste Control Orders

SSForm1 (Revised 1997)

(SIGNATURE OF AUTHORIZED DISTRICT REPRESENTATIVE)

(SIGNATURE OF OWNER)

ON-SITE SEWAGE FACILITY SOIL SURVEY REPORT-INFORMATION

Property	Owner's Name <u>Ke</u>	ith Nickel					
Mailing A	Address13	7 Main Park Lan	<u>e</u>				
City, Sta	te, ZipDu	ncanville, TX7	75137				
Site Loca	ationAp	ril Cove; Lot 58					
County_	<u>Fre</u>	estone	,			· · · · · · · · · · · · · · · · · · ·	
(FOR HOLE	£#1)		,				·
DEPTH	TEXTURE	CLASS	STRUCTURE	WATER TABLE	SLOPE 0-30%	* SOIL SERIES	* SOIL ABSORPTION
in.	i.e. Loamy Sand, Sandy Loam, Loam, Silty Clay Loam, Sandy Clay , or Clay.	per USDA Chart i.e. la,lb,ll,lll,or IV	Only if soil is a Class III i.e. Blocky, Platy, or Massive		of overall	Soil Survey	LIMITATION RATING i.e. Fair, Moderate, Severe
0 - 26	Sandy Clay	III	Sub Ang Bl	No	6.3%		Moderate
26 -30	Sandy Clay Loam	III	Sub Ang Bl	No			Moderate
30 -42	Clay	IV		No			Severe
EXCAV		II [Note Cla	ss Ia & IV are uns	water	standard dis	sposal system: * SOIL	* SOIL
DEPTH	TEXTURE i.e. Loamy Sand, Sandy	CLASS per USDA Chart	Only if soil is a	PRESENT	0-30% Maximum	SERIES	ABSORPTION LIMITATION
in.	Loam, Loam, Silty Clay Loam, Sandy Clay, or Clay.	i.e. la,lb,ll,lll,or IV			of overall	Soil Survey	RATING i.e. Fair, Moderate, Severe
0 - 10	Sandy Loam	III	Sub Ang Bl	No	6.30%		Fair
10 - 28	Sandy Clay Loam	Ш	Sub Ang Bl	No	TANE.	OF TELE	Moderate
28 - 32	Clay	IV			124		Severe
					g WILL	IAM W. HILL	T. B.
					1 C.	1361	1 de 1
THE M	an be found in the Coun OST RESTRICTIVE SO SED EXCAVATION IS	OIL CLASS FOU	T MIHTIW DA	WO (2) FI	EET OF T	TEBOTTO	
EVALU	JATION PERFORMED OF SOIL SURVEY:	BY: //	Cliam L	fill	circl		PE, CPSS, DR. **

TWO YEAR INITIAL SERVICE POLICY

Date: 7-28-00						
Our firm, Jimmy Rosh Constantion, will inspect and service your Clearstream System for the first two years from the date of installation. There will be						
your Clearstream System for the first two years from the date of installation. There will beinspections made each year for this initial two year period. Effluent quality inspec-						
tion will include a visual inspection for color, turbidity, sludge build up, scum overflow and						
odor. Mechanical and electrical inspection and service include inspecting aerator, air filter, and alarm panel and replacing or repairing any component not found to be functioning cor-						
rectly.						
Upon expiration of this policy, our firm will offer a continuing service policy on a yearly						
basis to cover labor for normal maintenance and repairs on a year by year basis.						
Violations of warranty include shutting off the electric current to the system for more than						
24 hours, disconnecting the alarm system, restricting ventilation to the aerator, overloading the system above its rated capacity, or introducing excessive amounts of harmful matter into						
the system, or any other form of unusual abuse.						
THIS POLICY DOES NOT INCLUDE PUMPING						
SLUDGE FROM UNIT IF NECESSARY.						
Service Dealer: Owner:						
18628 S Hay 287						

Testing Backflow Preventers RPZA, PVB, DC

Will Mill Testing and Design 204 N. FM 2555 CORSIGANA, TEXAS 75110 905-874-1945

Design
On-Site Sewage Systems
Studge Disposal Sites

Calculations for Drip Emitter System

Keith Nickel April Cove * Lot 58

3 bedroom house @ 240 GPD = 240 gal./day

Long term application in Class III soil = 0.2 gal./ sq. ft./day

Cont. specifications for Keith Nickel

TNRCC requires 1/3 daily rated usage (240 gal./3 = 80 gal) as reserve capacity in the pump tank in case of malfunction of the treatment system. At a designed reserve capacity of 134 gal, there will be 1.7 times the required reserve capacity.

Operating Pressure = 20 psi = 46 ft. head.

Pump Head:

Pressure Head = 46.0 ft:

Friction Head = 7.0 ft.

Elevation Head = 7.0 ft.

60.0 ft. @ 7.06 GPM + 2 GPM recycle = 9.06 GPM @ 60 ft.total pump head.

The treatment system is to be a Clearstream -500 with the Clearstream P-20 1/2 HP pump.

