

**WILLIAMSON COUNTY HEALTH DEPARTMENT
LICENSE TO OPERATE A PRIVATE SEWAGE FACILITY**

THIS IS TO CERTIFY that the private sewage facility located at:

NO 10879

Carriage Oak Estates #5
1/2 200 - lot 5

meets or exceeds the basic requirements established by this department.

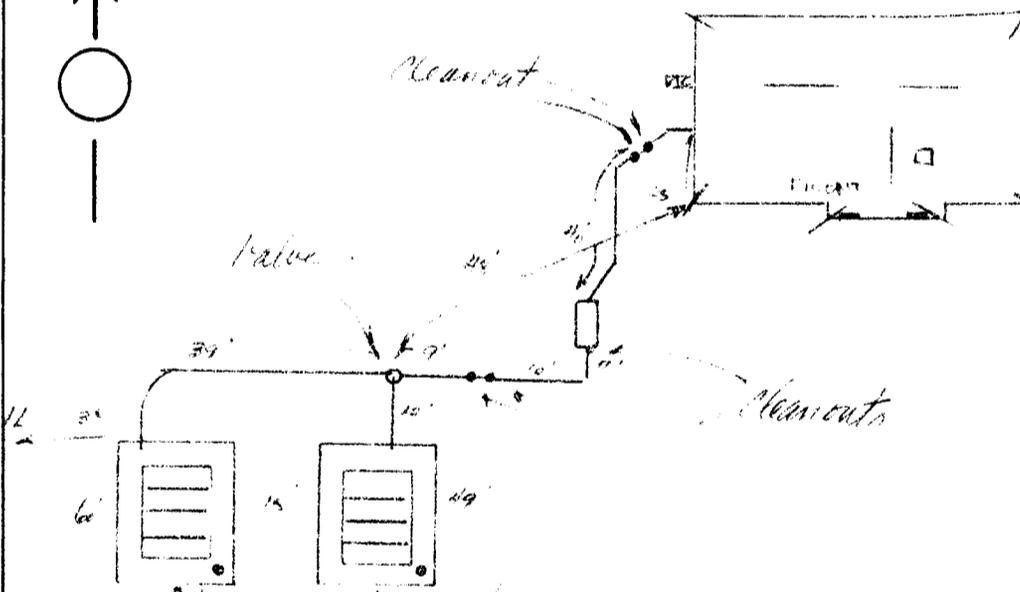
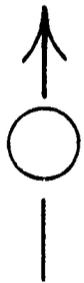
LICENSE TO OPERATE this facility is hereby granted to the owner. This license simply grants permission to operate this facility; it does not guarantee its successful operation. Routine maintenance and proper functioning are the sole responsibility of the owner.

KEEP THIS LICENSE with other house papers. You may need it when selling your house or if a malfunction occurs.

THIS LICENSE REMAINS in effect until such time as there is evidence that this facility is not operating properly and may constitute a threat to the health of the people of Williamson County.

DRAWING OF SYSTEM (not to scale):

Type of Tank: 10 year old tank
Gallon Capacity: 1050 Valve: 1/2" NPT
Ft. of Distribution Pipe: _____
Drainfield Size: 2476 sq ft
Maximum Wastewater Load 14 - 20 GPM
Installed By: PHM



DATE OF FINAL INSPECTION: May 24 1995

Issued this date 5/24/95

[Signature]
INSPECTOR

[Signature]
CHIEF, ENVIRONMENTAL SERVICES

Mailed 5/25/95 pl

1 F
5-22-95

100 / 100

OSSF# 10879
GRID# _____

WILLIAMSON COUNTY AND CITIES HEALTH DISTRICT
SEPTIC SYSTEM INSPECTION -- FIELD NOTES

Location: Carriage Oaks Estate - lot 5 - CR 200

No. of Bedrooms: 4 Installer: owner

I. TANK TYPE:

- 1. Concrete Type: A. Box B. Oval _____ C. Pump Tank _____
- 2. Gallon Capacity 1250 3. Gallon Capacity _____
- 4. Other _____

~~additional
440 sq
tank inspect.~~

II. SOIL DISPOSAL FIELDS:

- 1. Type: A. Trenches _____ B. Beds C. Evapotranspiration _____
- 2. Setbacks: A. Tank to well _____
B. Absorption Field to well _____
C. Field to property line 38'
- 3. Dimensions of Fields: A. Field #1 20' x 60' = 1200 Ft²
B. Field #2 25' x 49' = 1225 Ft²
C. Depth of Fields 20-30"
- 4. Gravel: A. Crushed B. Washed Aggregate _____
C. Amount 100 Yards, estimated. 2476
- 5. Sand on Site: Amount 144 Yards estimated, Sandy Loam 24 Yards estimated. 144
- 6. Type of Valve Jandy

III. GENERAL CONDITIONS AND WORKMANSHIP OPEN PIT:

Date: 8-5-94 Inspector: Kim Ramsey

	Yes	No
1. Solid lines from house glued in place. Schedule 40 equivalent	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Schedule 40 pipe from tank to valve and beds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Holes around inlet and outlet grouted or sealed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. Tank is watertight (filled to flow line)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. T's installed in tank with manufactured effluent filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Grade of bed bottom 12" lower than tank flow line	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Bed or trench bottom essentially level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Evidence of seeps or shallow groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9. Gravel 12" deep throughout field	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Perforated pipe generally level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Pipe in field covered with gravel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Backfill material and gravel cover on site	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. Cross pipes in place	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Soil conditions dry during installation	<input checked="" type="checkbox"/>	<input type="checkbox"/>

pulled loose

approved

not

LANDSCAPE / FINAL INSPECTION:

Date: 5-22-95 Inspector: Wesley K

- 1. Clean-outs installed in the fields
- 2. The fields are mounded 4" to 6" Approved
- 3. Berm in place (if needed) n/a

IV. REMARKS: told tank was leaking - Bernard out to fix tank, poured sealant in tank, grit pulled loose.
check original.

8-8-94 Tank check approved

J. Heuertz
Inspector

APPLICATION FOR ON-SITE SEWERAGE FACILITY
(Valid for one year from date of purchase)

Installer

Residential 4 # BR Commercial _____ # Employees _____ Water Source: - Public - Well on site - Yes 1 No

Legal Description CARRIAGE OAKS ESTATES PHASE I Block # _____ Lot # 5

Location COUNTY ROAD 200 Lot Size 6 AC

Owner PAUL N. KUGLE JR. Daytime Phone 499-6468

Address: 1959 Co. Rd. 200 LIBERTY Hill, TX 78642 Received By: K5 Date: 5/11/94

Describe property & soil FAIRLY FLAT (Gentle Slope) Caliche

Percolation test #1 (3/4) inches in 30 min., test #2 (3/4) inches in 30 min., Rock Criteria: Yes No

Size septic tank required 1250 Gallons, Double Compartment Engineer Design Required ()

Type of drain field: Absorption beds (1000) + (1000) alternating: (2000) Total sq. ft.

or Lateral line trenches (325) x 2' wide + (325) x 2' wide alternating (1500) Total sq. ft.

or _____ Evapotranspiration beds () + () alternating () Total sq. ft.

Minimum setback distance: Tank - 5 ft. from house, 10 ft. from property line, 50 ft. to water well.
Field - 15 ft. from house, 10 ft. from property line, 150 ft. to water well, 10 ft. to water line.

Drain Fields: Minimum distance from stream, 75 ft. to break in grade. Sand Wicks are required. Valve is required.

Material minimum: Gravel w/ wick 51 yds. Sandwick 24 yds./Pipe 232 ft. Sandy Loam or Sand Backfill 61 yds. per 6"

Other: MAINTAIN ALL SETBACKS; MANUFACTURED EFFLUENT FILTER

ALL VARIANCES MUST BE SUBMITTED BY PROPERTY OWNER AND APPROVED PRIOR TO INSPECTIONS.

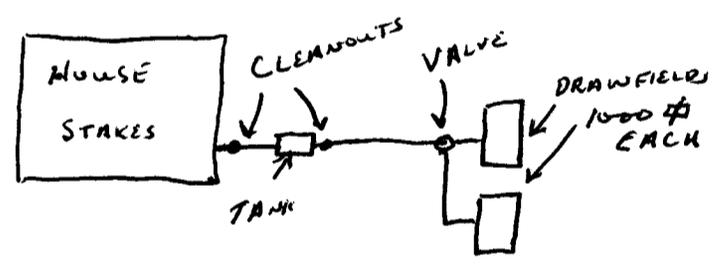
OPEN PIT INSPECTION: Fields excavated, level, 12" lower than tank flow line. Tank fittings in place, Tank connected to house and valve, Tank full of clean water to flowline. Schedule 40 equivalent, 1/4" per foot house to tank, schedule 40 equivalent 1" per 100' tank to valve. Fields 18" - 36" deep. Filter device required at outlet. Cleanout between tank & valve within one foot of tank outlet.

FINAL INSPECTION: Tank still full, gravel and pipe in place, backfill on site. The distribution pipes should be level with 6 inches of gravel below pipes. Monitor wells at far end of fields. Total gravel required is 12 inches, then butcher paper or hay, then sand, then 6-12 inches sandy loam for topsoil. Trenches: 12-24 inches wide and at least 5 feet apart, maximum depth: 36 inches. **ALL TRENCHES MUST BE CLOSED LOOP.**

Finished Drainfields must be mounded a minimum of 4 inches above normal ground elevation, with vegetation planted as soon as possible.

WCCHD USE

This system design is for the above indicated generating unit, any additions may warrant system enlargement accordingly.



Map - How to Get to the Property

see map

AUTHORIZATION TO CONSTRUCT: Yes / No

Water saving commode fixtures can substantially reduce square footage requirements. Details available on request. This is only a list of **Minimum** requirements. Proper landscape and drainage diversion is the responsibility of the owner.

WILLIAMSON COUNTY & CITIES HEALTH DISTRICT
EXISTING ON-SITE SEWAGE FACILITY EVALUATION

RK

GRID # _____ OSSF# 97-10879

Location: Carriage Oaks Estates Subdivision 5 Lot

Address: 1959 CR 200 Street Liberty Hill City 78642 State Zip

SYSTEM HISTORY/RECORDS/COMPONENTS

- 1. Tank Construction: CONCRETE
- 2. Dual Field System: YES
- 3. Type of Valve: SANDY
- 4. System Modifications: NONE
- 5. Complaints Received: NONE
- 6. Last Report Tank Pumped: NONE
- 7. Was the original system inspected and approved at the time of installation? YES
- 8. Tank Size: 1250 GALLON
- 9. Absorption Area Size: 2470 SQ. FT
- 10. Date of Installation: 5-22-95
- 11. Report of Failure: NONE
- 12. Previous Evaluations: NONE

PHYSICAL EVALUATION

- 1. Is the system in operation at this time? YES
- 2. Is the cleanout accessible? YES
- 3. Is there evidence of malfunction manifesting from tank to house? NONE OBSERVED
- 4. Is there evidence of malfunction manifesting within the tank? NONE OBSERVED
- 5. Is there evidence of malfunction manifesting from tank to field? NONE OBSERVED
- 6. Is there evidence of tank damage? NONE OBSERVED
- 7. Is there evidence of hydraulic overloading in the drainfield? NONE OBSERVED
- 8. Is there evidence of malfunction within the valve? NONE OBSERVED
- 9. Is the diversion valve adequately utilized? YES
- 10. Is the absorption area adequately sized, conforming to today's standards? YES
- 11. Is proper drainage diversion and mounding provided? YES
- 12. Is greywater currently being discharged on ground surface? NONE OBSERVED
- 13. Are all components of the sprinkler system 10 feet or more away from the OSSF? N/A
- 14. Are any wells within 100 feet of the drainfield or 50 feet of the tank? NONE OBSERVED

___ Additional inspections are necessary to fully evaluate this system.

System appears to be functioning properly at this time. No obvious malfunctions were evident upon surface evaluation.

___ System is functioning marginally at this time. This system may need repairs in the near future.

___ System malfunction(s) was/were evident upon surface evaluation. This system appears to be failing at this time and needs repairs.

The tank may not have been inspected or pumped for accumulated sludge. It is advisable to do so at this time to prevent possible malfunction.

___ This system is old and small by today's standards. This system may need repairs in the near future.

This OSSF IS IS NOT currently creating a public health nuisance.

Comments: _____

Inspector: Jerry J. Moore Date: 5-10-00 ADDITIONAL REPORT ATTACHED: YES NO
Revised 9/2298

APPLICATION FOR EVALUATION OF AN EXISTING ON-SITE SEWAGE FACILITY

WILLIAMSON COUNTY AND CITIES HEALTH DISTRICT

GRID# _____ OSSF# 97-10879

1. Location: CARRIAGE OAKS Estates 5
Subdivision Lot Block
 Address: 1959 Co. Rd 200 Liberty Hill TX 78642
Street City State Zip

2. How long have you owned this house? 6 yrs # of current residents? 2

3. Three month water usage (gallons): Jan 5000 Feb 5000 Mar 5000. Unless on private well.

4. Resale / Refinancing (Circle one) Closing Date: 5/19/200 # of Bedrooms: 4 Square feet: 2306

Office Use Only	1 st Inspection	2 nd Inspection	Map showing sketch of property location using roads and local landmarks. Include location of house.
Date	Signature	Date	
Received <u>5-9-00</u>	<u>[Signature]</u>	_____	<p>4th gravel Driveway on left Past Chisholm TRAIL Water tower. (White BARN style Bldg at end of CR 20 D/W) 29 183</p>
Scheduled <u>5-10-00</u>	<u>[Signature]</u>	_____	
Inspected <u>5-10-00</u>	<u>[Signature]</u>	_____	
Mailed/Sign <u>5-12-00</u>	<u>[Signature]</u>	_____	
Description of House, Septic and Well Location			

5. Have any modifications or improvements ever been added to the system since it was first installed? No
 If yes, when: _____ Describe: _____

6. Have you ever had the tank pumped? No When? _____ Why? _____

7. Has the facility ever overflowed or had sewage backed up in the house or slow to drain? No

8. Do you have an underground sprinkler system within 10 feet of the septic system? No

9. If no one is home when we arrive do we have permission to enter the yard? (Not House) Yes

I acknowledge and agree to the provisions of this request and I certify the information is true and correct.

Owner's Agent (Print Name) <u>Paul N Kugle JR</u> Telephone # _____ Address _____ Signature _____	Present Owner (Print Name) <u>Paul N Kugle</u> Telephone # <u>515 5270</u> Address <u>1959 Co. Rd 200 Liberty Hill</u> Signature _____
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RECEIVED

THIS INSPECTION WILL BE PERFORMED FROM 1 TO 10 WORKING DAYS FROM DATE OF APPLICATION

10/8/98 MAY 09 2000

WCCHD - ENV

Call when ready Mail Will pick-up