



# FRANKLIN COUNTY ENVIRONMENTAL HEALTH

ENVIRONMENTAL HEALTH \* WATER \* WASTEWATER \* SANITATION

1428 South Main #6, Ottawa, KS 66067 \* (785) 229-3590 FAX (785) 229-3504

PERMIT# 1\_\_ - \_\_\_\_\_ FR - \_\_\_\_\_

## Onsite Wastewater System Construction Permit Application

ALL PERMIT APPLICATIONS MUST HAVE THE FOLLOWING DOCUMENTATION ATTACHED:

- Copy of Deed
- Site Plan Drawing
- Drawing from installer

Name of Owner(s): \_\_\_\_\_ Today's Date: \_\_\_\_\_

Current Mailing Address: \_\_\_\_\_

Phone Numbers: \_\_\_\_\_ (Home) \_\_\_\_\_ (Work)  
City State, Zip

Site Address: \_\_\_\_\_  
City State, Zip

Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_, Name of Township \_\_\_\_\_

(Note: a permit will not be issued without a 911 address)

### PERMIT FEES

<input type="checkbox"/> Upgrading existing system	\$180.00	<input type="checkbox"/> New construction (Residential)	\$180.00
<input type="checkbox"/> Repair	\$ 60.00	<input type="checkbox"/> New construction (Commercial)	\$280.00

*Note: If you are building a new structure you will need a Building Permit. Contact the Planning & Building Department for a Building Permit Application at 1428 South Main St., Suite #5, Ottawa, Kansas, 66067, Phone: 785-229-3570.*

### BASIC DATA

Number of bedrooms to be served: \_\_\_\_\_ Square footage of residence (living area) \_\_\_\_\_ sq. ft.

Sewage sources to be discharged to facility:

- Toilet
- Garbage disposal
- Bathtub/Shower
- Sinks and washbasins
- Washing Machine
- Other: \_\_\_\_\_

Source of Water Supply:  Private water well  Rural water  Other \_\_\_\_\_

Explain: \_\_\_\_\_

### PROPERTY INFORMATION

Present owner: \_\_\_\_\_

Total acreage of property: \_\_\_\_\_ Acres

Distance from proposed sewerage facility location to:

- Nearest property line  25 – 50 ft.  50 – 100 ft.  100 + ft. (25ft. min. \*)
- Your house  25 – 50 ft.  50 – 100 ft.  100 + ft. (Septic tank: 10 ft. min. \*)
- Your water well  100 – 150 ft.  150 – 200 ft.  200 + ft. (100 ft. min.)
- Nearest other water well  100 – 150 ft.  150 – 200 ft.  200 + ft. (100 ft. min)
- RWD lines \_\_\_\_\_ ft. (25ft. minimum)
- Nearest drainage course \_\_\_\_\_ ft. (50ft. minimum)

(\* 100 ft. minimum for Waste Stabilization Ponds)

**NEED FOR THIS FACILITY**

Are you within 400 feet of a public sewerage system? \_\_\_\_\_ Yes \_\_\_\_\_ No  
If yes, why is it not feasible to utilize a public sewerage system? \_\_\_\_\_  
\_\_\_\_\_

A Franklin County licensed installer must complete all septic system installations or repairs. If you have not chosen your licensed installer, a list is available upon request.

**INSTALLER INFORMATION**

Licensed Installer: \_\_\_\_\_ License # \_\_\_\_\_  
License Water Well Driller: \_\_\_\_\_ License # \_\_\_\_\_  
If approved to install a Waste Stabilization Pond (lagoon), please indicate who will install the required fencing, gate, and short-rooted perennial grass seed **no later than 30 days after completion of the lagoon.**  
Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
Address: \_\_\_\_\_  
City State Zip

Per the Franklin County Environmental/Sanitary Code Section 2-4.6, an Onsite Wastewater System Construction Permit for NEW CONSTRUCTION will only be issued if the Plat(s)/Tract(s) contain building sites of a minimum of: **three (3) acres with public water supply; five (5) acres with onsite water supply; or ten (10) acres for use with a waste stabilization pond (lagoon).** (Any NEW CONSTRUCTION sites platted or divided and filed prior to January 1, 1998, proven by a copy of the deed are excluded from the above).

**FOR OFFICE USE ONLY**

System Type:  
 Concrete Septic Tank  Polyethylene Septic Tank  Fiberglass Septic Tank  
 4 inch pvc pipe & gravel (Q/Ra) \_\_\_\_\_ Total Square Feet, \_\_\_\_\_ Linear Feet  
 Leaching Chambers (Q/Ra x 0.8) \_\_\_\_\_ Total Square Feet, \_\_\_\_\_ Linear Feet  
 Trench Width \_\_\_\_\_ Feet  
 Waste Stabilization Pond M-\_\_\_\_\_Pond (50, 55) Lift Station (pump & alarm)?  Yes  No  
Soil Amendments Required?  Sodium Bentonite  Soda Ash  Other \_\_\_\_\_  
 Alternative System, Type:  
 Aerobic treatment with shallow laterals \_\_\_\_\_ Total Square Feet, \_\_\_\_\_ Linear Feet  
 Aerobic treatment with drip irrigation \_\_\_\_\_ Total Square Feet, \_\_\_\_\_ Linear Feet  
 Trench Width \_\_\_\_\_ Feet  
 Other System Type: \_\_\_\_\_



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PLEASE READ

## **IMPORTANT INFORMATION BELOW!**

### *PROCEDURAL GUIDE TO THE ONSITE WASTEWATER SYSTEM PERMITTING PROCESS*

1. Complete the application and \*\* hire a licensed engineer or certified soil scientist to perform a soil profile and site analysis (You, as the property owner, will also need to hire a backhoe operator to dig the profile pit.) **NOTE:** An independent engineering firm, authorized by the county, *must* perform the soil profile. **It is the property owner's responsibility** to contact the engineer and backhoe operator and make the arrangements.
2. Hire a licensed Franklin County Septic System Installer. A Courtesy List of Licensed Installer's and Engineers is available upon request.
3. After the soil profile and site analysis have been conducted, return the completed application, *along with a copy of your deed*, to the Office of Environmental Health.
4. The Office of Environmental Health will review the application; soil profile/site analysis, as well as the Franklin County Soil Survey, and will assist in determining the type of Onsite Wastewater System needed for the site. ***(The Office of Environmental Health has 30 days from the date that the application and soil profile/site analysis are received to either issue a permit or deny the applicant's request for one. If for any reason you are denied an Onsite Wastewater System Construction Permit, you will be notified in writing.)***
5. Once a determination is made, and your installer submits an 8 x 10 drawing showing the entire proposed system, this office will issue the Onsite Wastewater System Construction Permit. The applicant will be notified within 30 days of this office receiving the above information that their permit is issued. The applicant will be asked to return to our office to pay the required permit fee and pick up the Construction Permit.
6. Please Note: **ABSOLUTELY NO CONSTRUCTION SHALL BEGIN WITHOUT THE ONSITE WASTEWATER SYSTEM CONSTRUCTION PERMIT BEING POSTED ON SITE.** (This permit is GOLDENROD in color and is issued **separately** from the Building Permit.)
7. Notify the County Sanitarian 24 hours prior to the start of construction.
8. Notify the County Sanitarian 24 hours prior to the completion of construction so that a final inspection may be performed to approve or correct the system.
9. At completion of the system, a final Sewage Management Operation Permit will be mailed to the Property Owner.

**\*\* It is the property owner's responsibility to contact the licensed Franklin County Installer of their choice.**

***Effective February 12, 2001, all new water well construction must be permitted through our office. The Water Well Construction Permit Fee is \$ 80.00***

**TABLE IV: SQUARE FOOTAGE / LINEAR FOOTAGE FOR LATERALS \*USING UNTREATED EFFLUENT\***

	# Bedrooms / gallons per day				Add 150g per each additional bedroom
<i>Loading Rate for soils</i>	<b>1 150 gpd</b>	<b>2 300 gpd</b>	<b>3 450 gpd</b>	<b>4 600 gpd</b>	<b>5+ 750 gpd</b>
<b>Loamy Sand, Sandy Loam, Silt Loam 0.40 gpd/sq.ft. [Group V.]</b>	375 sq.ft. Total Area <i>300 sq.ft. Chambers</i> 187.50 lf. (2 ft. wide) 150 lf. (3 ft. wide) 120 lf. / 36" chambers (26 ea.) 150 lf. / 24" chambers (29 ea.)	750 sq. ft. 600 sq. ft. 480 lf. 300 lf. 240 lf. 300 lf.	1350 sq.ft. Total Area <i>1080 sq.ft. Chambers</i> 675 lf. (2 ft. wide) 450 lf. (3 ft. wide) 360 lf. / 36" chambers (38 ea.) 540 lf. / 24" chambers (43 ea.)	1500 sq.ft. Total Area <i>1200 sq.ft. Chambers</i> 750 lf. (2 ft. wide) 500 lf. (3 ft. wide) 700 lf. / 36" chambers (51 ea.) 600 lf. / 24" chambers (57 ea.)	1875 sq.ft. Total Area <i>1500 sq.ft. Chambers</i> 937.50 lf. (2 ft. wide) 625 lf. (3 ft. wide) 500 lf. / 36" chambers (64 ea.) 750 lf. / 24" chambers (72 ea.)
<b>Clay loams, Silty clay loams, 0.25 gpd/sq.ft. [Group VI.]</b>	600 sq.ft. Total Area <i>480 sq.ft. Chambers</i> 300 lf. (2 ft. wide) 200 lf. (3 ft. wide) 160 lf. / 36" chambers (41 ea.) 240 lf. / 24" chambers (46 ea.)	1200 sq. ft. 960 lf. 600 lf. 400 lf. 320 lf. 480 lf.	18000 sq.ft. Total Area <i>1440 sq.ft. Chambers</i> 900 lf. (2 ft. wide) 600 lf. (3 ft. wide) 480 lf. / 36" chambers (61 ea.) 720 lf. / 24" chambers (69 ea.)	2400 sq.ft. Total Area <i>1920 sq.ft. Chambers</i> 1200 lf. (2 ft. wide) 800 lf. (3 ft. wide) 640 lf. / 36" chambers (82 ea.) 970 lf. / 24" chambers (92 ea.)	3000 sq.ft. Total Area <i>2400 sq.ft. Chambers</i> 1500 lf. (2 ft. wide) 1000 lf. (3 ft. wide) 800 lf. / 36" chambers (102 ea.) 1200 lf. / 24" chambers (115 ea.)
<b>Silty Clays, Clays 0.10 gpd/sq.ft. [Group VII.]</b>	Not Suitable with respect to texture.		Not Suitable with respect to texture.	Not Suitable with respect to texture	Not Suitable with respect to texture

**TABLE V: SQUARE FOOTAGE / LINEAR FOOTAGE FOR LATERALS \*USING TREATED EFFLUENT\* (I.E. AEROBIC UNIT, SAND FILTER, ETC.)**

	# Bedrooms / gallons per day				Add 150 g per each additional bedroom
<i>Loading Rate for soils</i>	<b>1 150 gpd</b>	<b>2 300 gpd</b>	<b>3 450 gpd</b>	<b>4 600 gpd</b>	<b>5+ 750 gpd</b>
<b>Loamy Sand, Sandy Loam, Silt Loam 0.48 gpd/sq.ft. [Group V.]</b>	312.5 sq.ft. Total Area <i>250 sq.ft. Chambers</i> 156.25 lf. (2 ft. wide) 104.16 lf. (3 ft. wide) 83.3 lf. / 36" chambers (26 ea.) 125 lf. / 24" chambers (29 ea.)	666 sq. ft. 532.80 lf. 266.4 lf. 177.3 lf. 141.81 lf. 213.00 lf.	937.5 sq.ft. Total Area <i>750 sq.ft. Chambers</i> 468 lf. (2 ft. wide) 312 lf. (3 ft. wide) 250.00 lf. / 36" chambers (32 ea.) 375.00 lf. / 24" chambers (36 ea.)	1250 sq.ft. Total Area <i>1000 sq.ft. Chambers</i> 625 lf. (2 ft. wide) 417 lf. (3 ft. wide) 331.25 lf. / 36" chambers (43 ea.) 500.00 lf. / 24" chambers (48 ea.)	1562.5 sq.ft. Total Area <i>1250 sq.ft. Chambers</i> 781.25 lf. (2 ft. wide) 520.83 lf. (3 ft. wide) 416.6 lf. / 36" chambers (53 ea.) 625 lf. / 24" chambers (60 ea.)
<b>Clay loams, Silty clay loams, 0.30 gpd/sq.ft. [Group VI.]</b>	500 sq.ft. Total Area <i>400 sq.ft. Chambers</i> 250 lf. (2 ft. wide) 166.6 lf. (3 ft. wide) 133.2 lf. / 36" chambers (41 ea.) 200 lf. / 24" chambers (46 ea.)	1000 sq. ft. 800 lf. 500 lf. 333.3 lf. 266.4 lf. 400 lf.	1500 sq.ft. Total Area <i>1200 sq.ft. Chambers</i> 750 lf. (2 ft. wide) 500 lf. (3 ft. wide) 400 lf. / 36" chambers (51 ea.) 600 lf. / 24" chambers (57 ea.)	2000 sq.ft. Total Area <i>1600 sq.ft. Chambers</i> 1000 lf. (2 ft. wide) 667 lf. (3 ft. wide) 535.23 lf. / 36" chambers (68 ea.) 800 lf. / 24" chambers (77 ea.)	2500 sq.ft. Total Area <i>2000 sq.ft. Chambers</i> 1250 lf. (2 ft. wide) 1000 lf. (3 ft. wide) 667 lf. / 36" chambers (85 ea.) 1000 lf. / 24" chambers (96 ea.)
<b>Silty Clays, Clays 0.15 gpd/sq.ft. [Group VII.]</b>	1000 sq.ft. Total Area <i>800 sq.ft. Chambers</i> 500 lf. (2 ft. wide) 333.3 lf. (3 ft. wide) 266.64 lf. / 36" chambers (41 ea.) 400 lf. / 24" chambers (46 ea.)	2000 sq. ft. 1600 lf. 1000 lf. 667 lf. 533 lf. 800 lf.	3000 sq.ft. Total Area <i>2400 sq.ft. Chambers</i> 1500 lf. (2ft. wide) 1000 lf. (3 ft. wide) 800 lf. / 36" chambers (102 ea.) 1200 lf. / 24" chambers (115 ea.)	4000 sq.ft. Total Area <i>3200 sq.ft. Chambers</i> 2000 lf. (2ft. wide) 1333 lf. (3 ft. wide) 1068.75 lf. / 36" chambers (137 ea.) 1600 lf. / 24" chambers (154 ea.)	5000 sq.ft. Total Area <i>4000 sq.ft. Chambers</i> 2500 lf. (2ft. wide) 1666.6 lf. (3 ft. wide) 1333.3 lf. / 36" chambers (171 ea.) 2000 lf. / 24" chambers (192 ea.)

Note: leaching chambers are allowed a 20% reduction in total square footage & treated effluent is allowed.  
75 gallons per day per person or 150 gallons per bedroom

( 24 " chambers include both EQS 24 and EQS 36.) 6/18/07