

# **Water Well and/or Wastewater System Permitting Process**

## **Harper County Environmental Services**

201 N. Jennings Anthony, KS 67003

Office (620) 842-3718

Email: mbooker@harpercountyks.gov

### **Wastewater Systems Only: Please provide the following and return to the Health Dept.**

- 1. Complete permit application form (Enclosed with Site Diagram)**
- 2. Permit fee of \$75.00 Payable to Harper County Environmental Services (HCES).**
- 3. Soil information (Soil Profile by Contractor) in order to process the application.**

### **Water Well Applicants: Please provide the following and return to the Health Dept.**

- 1. Complete permit application form (Enclosed with Site Diagram)**
- 2. Permit fee of \$75.00 Payable to the Harper County Environmental Services (HCES)**
- 3. Well Plugging free of charge but must file with the state.**

### **Note:**

**Allow 10 Business days from the date of application is received with all the information provided to process the permit and receive a recommendation and approval to construct.**

**Please call to discuss system, if you or your contractor should have any questions, or need to clear up problems with the site before putting additional time and money into the project. (620) 842-3718**

# Water Well and/or Onsite Wastewater System Permit Application

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Phone: ( ) \_\_\_\_\_ - \_\_\_\_\_ City: \_\_\_\_\_ Zip: \_\_\_\_\_

Legal : \_\_\_\_ 1/4 \_\_\_\_ 1/4 \_\_\_\_ Sec, \_\_\_\_ Twp, \_\_\_\_ Range, \_\_\_\_ County \_\_\_\_ Acres

## Wastewater System

Construct new / Add on  
 Repair / replace  Cost Share \_\_\_\_\_

## Water Well

Construct new  Plugging (free of charge)  
 Repair / replace  Cost Share \_\_\_\_\_

**Use:**  Residence  Rental  Daycare  Business  Commercial  Other

**Sizing:** \_\_\_\_ # of Bedrooms \_\_\_\_ # of Bathrooms \_\_\_\_ # of Residents

**Water source:**  Water well  Rural water  City water  Other \_\_\_\_\_  Unknown

**Waste water:**  Chambers  Rock & pipe  Lagoon  Surface discharge  Unknown

**Does all household water enter system?**  Yes  No =  Dishwasher  Laundry

**Tank:**  500 gal  1000 gal  1250 gal  1500 gal  Unknown

**Construction:**  Concrete  Poly  Steel  Unknown

**Age:**  1-10 yrs  10-25 yrs  26+ yrs  Unknown

**Last pumped:**  0-3 yrs  4-10 yrs  11-25 yrs  26-50 yrs  Never  Unknown

**Appliances**  Dishwasher  Softener  Disposal  Sump pump  R.O. Unit

**Public Service connections closer than 400 ft:**  Sewer  Water  None

**Surface water closer than 200 ft:**  No  Lake  Stream  Pond  Seasonal drainage

**Rock closer than 6 ft down:**  Yes  No  Unknown

**Water closer than 4 ft down:**  Yes  No  Unknown

**Water wells present:**  None  One  Two  Unknown

**Proposed Contractor:** \_\_\_\_\_

1. Contact the inspector 316-213-6191 to schedule a final inspection before covering the system and/or placing in service.
2. Construction cannot begin without prior approval, per county and state sanitary codes.
3. The applicant is required to maintain this system in accordance with county and state sanitation codes.
4. It is the applicant's responsibility to notify all area utilities prior to breaking ground: **1-800-DIG-SAFE**.
5. The Operation Permit does not guarantee written or implied proper function of system for any time in the future.  
Natural conditions and use vary on system performance and longevity.

**Permission is granted onto property for the purpose of inspection.**

**Signature:** \_\_\_\_\_ **Date** \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Office use: Amount due \$ 75.00 Paid \$ \_\_\_\_\_ Check# \_\_\_\_\_ Permit # \_\_\_\_\_

**PROPOSED SITE DIAGRAM ( Draft NOT TO SCALE )**

**LOCATE IN FEET**  
**Existing and Proposed**

-N-

- Property Lines
- Houses
- Out buildings
- Structures
- Surface water
- Drainage Areas
- Water Wells
- Fuel Storage
- Feed Lots
- Utilities
- Easements
- Ground Slope

**FOR OFFICE USE ONLY**

**HP COUNTY MINIMUM STANDARDS AND RECOMMENDATIONS**

**LOADING RATE ESTABLISHED BY:**

- SOIL PROFILE
- SCS SOIL SURVEY

- EASEMENTS NEEDED:  YES  PENDING
- VARIANCE NEEDED:  YES  PENDING
- MAINTENANCE AGREEMENT:  YES  PENDING

- Soil Class \_\_\_\_\_
- Loading Rate: \_\_\_\_\_
- Absorption Area: \_\_\_\_\_ sq. ft.

- 4-2 Approved Septic tank \_\_\_\_\_ Gal.
- New  Existing if Pumped and Cert.
- Aerobic Treatment Unit
- Septic Filter  Riser / Approved Lid

**EFFLUENT DISPOSAL SYSTEM:**

- Chambers  Units
- Rock and pipe laterals
- Pressure dosing  Drip \_\_\_\_\_ Ft.
- Lagoon M: \_\_\_\_\_
- Other

- D-Box  Manifold  Splitter valve
- Cleanouts Every 100 ft.
- Lift station and pump  Pending
- Liner: \_\_\_\_\_ Native Compacted if 50% Clay  
\_\_\_\_\_ lbs/sq.ft of Bentonite

**WATER WELL:**

- Proposed Location approved to construct
- Old well properly abandoned and plugged
- WWC-5 and Plugging log copies filed

**Comments: Call to schedule an inspection before work is started.**

Maintain all state and county code requirements as per **County Sanitation Code** and **KDHE Bulletin 4-2**, Wastewater and/or **Article 30** Water Well Construction Standards.

**Refer to attached sheets for additional requirements to this approval**

Permit valid for 24 months past approval date.

**Approved by:** \_\_\_\_\_

**Date:** \_\_\_\_/\_\_\_\_/\_\_\_\_

# County Horizontal Separation Distances

Per Harper County Sanitation Code and KDHE Bulletin 4-2, March 1997

## Water Well To :

Septic Tanks Not 4-2 Approved	100 Feet
Sewer Lines Not Watertight	100 Feet
Absorption Fields	100 Feet
Pit Privies	100 Feet
Animal Pens or Manure Piles	100 Feet
Public Water Supply Wells	100 Feet
Water Tight Sewer Lines	50 Feet
Fertilizer, Fuel, Pesticides, other Chemical Storage	50 Feet
Surface Water, Streams, Lakes, and Drainage areas	50 Feet
Potential Pollution Sources or Contamination or as Determined by Sanitarian	50 Feet
Property Lines	25 Feet

## Waste Water Systems:

Public Sewage System Connection	400 Feet
Property Lines	50 Feet
Surface Water or Drainage Area	50 Feet
Septic Tank to Building Foundation	10 Feet
Soil Absorption Area to Building Foundation	20 Feet

## Wastewater Lagoons:

Water Wells	100 Feet
Property Lines	50 Feet
Dwelling Foundation	50 Feet

## Lot Size Requirements: (excluding buildings and structures)

Soil Absorption System	1 Acre
Water Wells	1 Acre
Wastewater Lagoon	3 Acres

**Note:** Local Zoning Regulations May Require Greater Separation Distances or Lot Sizes.

When lot dimension, topography, or soil condition makes maintaining the separation distances unfeasible a filed variance, agreement or easement may be required per request.

# SOIL

# PROFILE

# WORKSHEET

DATE \_\_\_/\_\_\_/\_\_\_ APPLICANT \_\_\_\_\_ ADDRESS \_\_\_\_\_

LEGALS: \_\_\_\_\_ 1/4, \_\_\_\_\_ 1/4, \_\_\_\_\_ S, \_\_\_\_\_ T, \_\_\_\_\_ R, \_\_\_\_\_ COUNTY.

SOIL SURVEY MAP# \_\_\_\_\_ SOIL NAME \_\_\_\_\_ SOIL CLASS \_\_\_\_\_

LAND USE \_\_\_\_\_ VEGETAION \_\_\_\_\_ PERMEABILITY \_\_\_\_\_ In/hr

0-12, 12-24	Yellow	Moderate	Platy, Blocky, Granular, Mass		None	None	Silt-Silt loam, Silty clay loam
24-36, 36-48	Brown, Grey Red, Black	Weak, Strong Gritty, Smooth Sticky	Angular, Subangular Prismatic, Columnar Fine, Med, Coarse	Moist, Dry, Wet	Many Few	Many Few	Gravel, Sand, Sandy Loam Clay, Sandy Clay, Clay Loam Fractured Rock, Solid Rock

DEPTH IN.	COLOR	STRUCTURE /FEEL	GRADE /SIZE	MOISTURE	REDOX MOTTLE	ROOTS	TEXTURE
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MOST LIMITING CONDITION: WATER ROCK CLAY GRAVEL

LOADING RATE (gpd/ft2) per bulletin 4-2: 1.1 0.9 0.6 0.4 .025

POSSIBLE SYSTEM: INGROUND LAGOON AT-GRADE DRIP OTHER

COMPLETED BY: \_\_\_\_\_

