

**RURAL WATER**



**DISTRICT**

**DOUGLAS COUNTY**

# **Emergency Water Supply Plan**

## **Douglas County Rural Water District #6**

**Protect our water resources,  
which are the heart of our community,  
our way of life and our children's future.**

**3/31/2020**

**Rwd6.org**

Douglas County Rural Water District # 6

## **Emergency Water Supply Plan**

**Pursuant to the requirements of K.A.R. 28-15-18, RWD # 6 of Douglas county, has compiled the following information, and guidelines for the purpose of implementin an Emergency Water Supply Plan.**

<b>Section I</b>	<b>Purpose</b>
<b>Section II</b>	<b>Description</b>
<b>Section III</b>	<b>Disaster Organization</b>
<b>Section IV</b>	<b>Mutual Aid Agreement</b>
<b>Section V</b>	<b>Inventory of Emergency Equipment Available</b>
<b>Section VI</b>	<b>Vulnerability of System (Disaster Response)</b>
<b>Section VII</b>	<b>Water Rationing</b>
<b>Section VIII</b>	<b>Emergency Contacts</b>
<b>Section IX</b>	<b>Annual Review</b>

## **Section I. Purpose**

The purpose of this plan is to isolate and conserve an adequate supply of potable water during emergency conditions that will be used only to sustain human life and the lives of pets and maintain standards of hygiene and sanitation.

## **Section II. Description**

The potable water supply for Douglas County Rural Water District # 6 is obtained from the City of Lawrence.

Supply connection at the booster pump station is through a Badger meter with a back flow preventer. The two Grundfos Pumps pump 150 gallons / per minute of water. The Districts line sizes range from 2" to 8" lines.

The Booster Pump Station is located at the NE corner of Lakeview Rd & Kasold

POINT\_X     -95.279289

POINT\_Y     39.001321

For storage, the 75,000 gallon water tower is located at the SW corner of 1800 Rd and K-10 Intersection

POINT\_X     -95.344919

POINT\_Y     39.000178

The water needed for a 24-hour period is 25,000 gallons

### **Section III. Disaster Organization**

- A. **Chairman-In-Charge Overall – Ed Daniels, Chairman**
  - 1. Coordinate and direct efforts of maintenance personnel in repair of damage.
  - 2. Establish communications within the governing body, local news media, and general public.
  - 3. Establish command posts, medical posts, shelters, etc. while working with the County Emergency Preparedness Personnel.
  
- B. **District's Operator – Loren Funk**
  - 1. Assess damages and establish communication with the Chairman and other officials.
  - 2. Notify KDHE District Engineer or Bureau of Water and request assistance as needed.
  - 3. Oversee any repairs or alterations from the source of supply to treatment and pumping to throughout the distribution system.
  - 4. Request emergency equipment / supplies if needed.
  - 5. Request work assistance if needed.
  - 6. Contact Evergy as to loss of power.

### **Section IV. Mutual Aid Agreement**

- A. Cooperative arrangement for water supply replenishing with Douglas County Emergency Preparedness Personnel. Their office will assist the water district in supplying potable water until our system is safely on line again.
  
- B. Cooperative arrangements for water repair parts and fitting have been made with neighboring water districts and the City of Lawrence if needed.
  
- C. Notify Operator and Chairman of threat and coordinate with civil defense personnel to provide protection at POE, booster station, and storage tank.

### **Section V. Inventory of Emergency Equipment Available**

- A. **Equipment available through the State of Kansas**
  - 1. Federally owned units such as portable filter plants, portable storage tanks, etc. (through Bureau of Water Supply) and the Kansas National Guard.

## **Section VI. Vulnerability of System (Disaster Response)**

### **A. Drought-Water Shortage-As determined by the Chairman and Operator**

1. The District's regulation will go into effect regulating the non-essential use of water during an emergency upon authorization from the Board.
2. Public and media notification of water conservation will be relayed.
3. Attempt to obtain water from County Emergency Preparedness.

### **B. Accidental Spills or Contamination**

1. Operator shall contact 911.
2. Operator will assess the situation and notify KDHE, Region EPA Office, or Office of Emergency Preparedness of extent of damage.
3. Establish communications through the Douglas County Sheriff's Office, fire, news media, and general public.
4. Operator shall make sure that all sources of uncontaminated water and potable water storages are full.
5. When or if hazardous substances contaminate the water supply at the well location, the Operator shall stop raw water from being pumped.
6. Utilize 75,000 gallon storage tank supply.
7. Transport water City of Lawrence or from another source if needed.

### **C. Douglas County Rural Water District #6 Booster Station Building**

1. Power outage due to natural or man-made disaster.
  - a. The District will utilize a generator and restore electricity to the pump station.
  - b. The District will ascertain from Evergy when power will be restored.
2. Excessive damage to the Booster Pump station building.
  - a. Operator will assess damages and establish communication with news media and general public.
  - b. The District's regulation will go into effect regulating the non-essential use of water during an emergency upon authorization from the KDHE.
  - c. Upon direction of Chairman, Operator will notify KDHE and Bureau of Water of any anticipated needs.
  - d. Operator will isolate distribution system and utilize water storage.
  - e. The Chairman will authorize a work force to repair damages to bring the pump station on line.

### **D. Distribution System**

1. Transmission Main Damage
  - a. Isolate main and repair.

## 2. Storage Tank Damage

- a. The District's regulation will go into effect regulating the non-essential use of water during an emergency upon authorization from the KDHE if needed.
- b. Isolate tank by closing valve at bottom of tank.
- c. Place needed pressure gauges and relief valves on hydrants for wasting in order to maintain a constant pressure.
- d. Contact tower Maintenance Company.

## E. Terrorist Threats

# Section VII. Water Rationing

## A. Refer to District's Bylaws / Rules and Regulations

**Section 6: Declaration of Water Supply EMERGENCY:** Whenever the governing body of the District finds that an emergency exists by reason of a shortage of water supply needed for essential uses, it shall be empowered to declare, by resolution, that a water supply emergency exists and that it will impose mandatory restrictions on water use during the period of the emergency. Such an emergency shall be deemed to continue until it is declared, by resolution of the governing body, to have ended. The resolutions declaring the existence and end of a water supply emergency shall be effective upon their adoption by the governing body of the District and giving of notice thereof.

**Section 7: Voluntary Conservation Measures:** (a) Upon the declaration of a water watch, as provided in Section 4, the governing body is authorized to call upon all water users to employ voluntary water conservation measures to limit or eliminate nonessential water uses with emphasis on: (1) Class 1 uses of water; and (2) Waste of water (b) Upon the declaration of a water warning, as provided in Section 5, the governing body is authorized to call upon all water users to employ voluntary water conservation measures to limit or eliminate nonessential water uses with emphasis on: (1) Class 1 uses of water; (2) Class 2 uses of water; and (3) Waste of water

**Section 8: Mandatory Conservation Measures:** Upon the declaration of a water supply emergency, as provided in Section 6, the governing body is also authorized to implement certain mandatory water conservation measures including, but not limited to, the following:

- (a) Suspension of new connections to the District's water distribution system except those approved by the governing body prior to the effective date of the declaration of the emergency;
- (b) Restrictions on the use of water in classes 1 and 2, wholly or in part.

- (c)Restrictions, in part, on the use of water in classes 3 and 4;
- (d)The imposition of water rationing based on any reasonable formula;
- (e)Complete or partial bans on the waste of water; and
- (f)Any combination of the forgoing measures

**Section VIII. Emergency Contacts**

**A. District Contacts**

Loren Funk, Operator (785)318-2070  
 Janette Funk, Clerk (785)887-6225

**B. Emergency Services**

Douglas County Sheriff Department 785-841-0007  
 Lawrence-Douglas County Fire Medical 785-830-7000  
 Lecompton Fire Station 785-887-6221  
 American Red Cross 785-843-3550  
 City of Lawrence Utilities 785-832-3000  
 Kansas National Guard 785-646-4500  
 Evergy 800-383-1183

**C. Federal and State Agencies**

<b>Kansas Department of Health &amp; Environment</b>	785-842-4600
NE District Office – Lawrence	
<b>Kansas Water Office</b>	785-296-3185
Public Water Supply Section – Topeka	
<b>Kansas Adjutant General Department</b>	785-274-1409
Division of Emergency Management – Topeka	
<b>Environmental Protection Agency</b>	913-551-7423
Region 7 – Kansas City, KS.	
<b>Kansas Rural Water Association</b>	785-336-3760
<b>Homeland Security</b>	1-800-237-3239

**Section IX. Annual Review**

Annual Review Sign Off Sheet:

It shall be required that this policy be reviewed annually by the Chairman of the Board for Rural Water District #6 of Douglas County and their Operator.

Date Reviewed	Signature of Chairman	Signature of Operator
7-21-20		