

THE CITY OF LARNED EMERGENCY WATER SUPPLY PLAN

Pursuant to the requirements of K.A.R. 28-15-18 the City of Larned has compiled the following information, guidelines, and ordinance for the purpose of originating an Emergency Water Supply Plan.

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SECTION I. PURPOSE

To isolate and conserve an adequate supply of potable water during emergency conditions that will be used only to satisfy standards of hygiene and sanitation.

SECTION II. DESCRIPTION

The water supply for the City of Larned is obtained from five wells. Three are located Southeast of 3rd and Wichita. These wells are designated as Well #3 (Mark), Well #4 (Dickerson) and Well #8 (Haberman). Two wells are located Northeast of 8th and Rose. These wells are designated as Well #6 (8th Street) and Well #9 (Smith).

Well #3 (Mark) can produce approximately 1028 gpm, the well depth is 65'5", and was drilled in 1963. This well has had a new column pipe and the pump replaced in 2004.

Well #4 (Dickerson) can produce approximately 1020 gpm, the well depth is 51', and was drilled in 1965. This well has been Rehabed in 2009.

Well # 8 (Haberman) can produce approximately 700 gpm, the well depth is 98', and was drilled in 2014.

Well #6 (8th Street) can produce approximately 800 gpm, well depth is 98', and was drilled in 1961. This well has had a new column pipe, liner and the pump rebuilt in 2014.

Well #9 (Smith) can produce approximately 1000 gpm, the well depth is 98', and was drilled in 1960. A liner was installed in 1986. This well was Rehabed in 1996.

These wells produce sufficient volume for the city's needs. Chlorine is injected into the water supply for bacterial disinfection at the point where water is pumped into the distribution system. The City maintains a 500,000 gallon above ground storage facility. All 5 well have been converted to VFD, with the last one being completed in October 2008.

The original system consisted of primarily 4 to 8 inch lines. In the 1980's a 16" ductal iron main was installed to carry water from the three SE wells to the tower. Additional lines have been constructed as the city has grown. Those newly constructed lines are ductal iron and PVC pipe.

SECTION III. DISASTER ORGANIZATION – CHAIN OF COMMAND AND DEPARTMENTAL RESPONSIBILITIES

A. City Manager – In charge overall

1. City Manager shall establish communication within governing body, local news media, and general public.
 - a. The City Manager may declare a state of emergency and exercise emergency powers upon making the declaration. Emergency powers may continue until the City Manager declares that an emergency no longer exists.
 - b. This action is authorized by K.S.A. 48-932 et seq.
 - c. City Manager shall determine the necessity of meeting with the City Council if a state of emergency exists.
2. City Manager shall coordinate efforts of city work force in the repairs of damaged infrastructure.
 - a. City Council shall assist in assessing damages to infrastructure and determining if additional work force is needed.
 - b. The governing body and City Water Superintendent shall work closely with City Manager and City Clerk to assess financial responsibilities.
3. The City Manager and City Council shall establish and locate command posts, medical posts, shelters, traffic control, ect., while working with guidance from the following.
 - a. City of Larned Fire Department.
 - b. Larned EMS
 - c. Larned Police and Dispatch
 - d. Water Superintendent

B. Water Superintendent, or Assistant.

1. The Water Superintendent shall assess damages and establish communication with City Manager and council.
2. Upon direction from the City Manager, the Utility Office Manager shall notify KDHE District Engineer, or Bureau of Water Supply, and request assistance if determined to be necessary.
3. The Water Superintendent shall determine any needed repairs or alternations from the wells to the water tower and throughout the distribution system.
 - a. The Water Superintendent shall report these repairs to the City Manager, City Council and/or command post.
4. The Water Superintendent will request emergency equipment / supplies if needed.
5. The Water Superintendent will request work force assistance from the City Manager or council if needed.
6. The Utility Office Manager will contact power company as to any loss of power.

7. The Water Superintendent shall be responsible for electrical generation power at the wells in the event of long – term power outage.
8. Utility Office Manager shall contact the City's electrical department or other contractors to restore electrical power at wells upon direction from City Manager.
9. Command post shall coordinate with Utility Office Manager, the acquisition of supplies or materials and list the incoming emergency equipment or supplies.
 - a. The Utility Office Manager shall keep an inventory of rented / leased / borrowed emergency equipment.
 - b. The Utility Office Manager along with the command post shall coordinate volunteer organizations and their efforts.

SECTION IV. INVENTORY OF EMERGENCY EQUIPMENT AVAILABLE

- A. City owned equipment.
 1. Electric generator at 1st and Wichita runs the main lift station and one well.
 2. Cutting torch (portable) and welder.
 3. Construction equipment including backhoe, grader, dump trucks, etc.
 4. Cast iron and PVC pipe / fittings located at water shop.
 5. The Utility Office Manager will assist Command Post and Water Superintendent in attaining the needed equipment, contractors and work force as needed.

SECTION V. VULNERABILITY OF SYSTEM (DISASTER RESPONSES)

- A. Drought -- As determined by the City Manager and the Water Superintendent with authority given in The Emergency Water Supply Ordinance No.1369
 1. City Ordinance No. 1369 will go into effect regulating the non-essential use of water during an emergency upon authorization from The City Manager or in the absence the Water Superintendent.
 2. Upon direction from the Command Post, the Utility Office Manager will attempt to obtain water from Emergency Preparedness and FEMA.
- B. Accidental Spills or Contamination
 1. Water Superintendent or Utility Office Manager will contact 911.
 2. Water Superintendent shall assess situation and upon City Manager's approval the Utility Office Manager shall notify KDHE, Regional EPA Office, and the Pawnee County Emergency Preparedness Coordinator extent of damage.
 3. The Utility Office Manager shall establish communications with Larned Police and Dispatch, Pawnee County Sheriff's office, fire, news media and general public upon direction from the City Manager.
 4. If necessary the Water Superintendent under the authority of the City Manager shall enact City Ordinance No.1369 that will prohibit non-essential use of water during emergency.
 5. The Water Superintendent shall make sure all sources of uncontaminated raw water and portable water storage are full.

6. When or if hazardous substances contaminate the water supply at the well location, the Water Superintendent shall stop all raw water from being pumped.
 7. The Water Superintendent shall utilize the 500,000 gallon storage tank supply.
 8. Upon direction of the City Manager / City Council, the City Clerk shall purchase bottled water for consumption.
 9. The command Post will assign a work force to transport water into the city from other sources, such as the City of Great Bend.
- C. Distribution System
1. Damage to water mains.
 - a. City Manager and in his absence the Water Superintendent will authorize enforcement of Ordinance No. 1369 for non – essential use of water.
 - b. Water Superintendent and crew will isolate mains and make repairs.
 2. Storage Tank Damage.
 - a. City Manager and in his absence the Water Superintendent will enact Ordinance No. 1369 for non – essential water use.
 - b. Water Superintendent will isolate the storage tank by closing valves at base of tower.
- D. Terrorist Threats
1. Any city employee receiving knowledge of a threat to the city's water supply and system will notify the City Manager, the Water Superintendent, and the Chief of Police. The City Manager will coordinate local law enforcement and to provide guard protection at the wells and water tower.
- E. Radioactive Fallout
1. The Utility Office Manager will contact Office of Emergency Preparedness for information as to the possibilities of contamination to the system.
 2. The City Manager and in his absence the Water Superintendent will enact Ordinance No. 1369 for non – essential use of water in an emergency situation.
 3. The Water Superintendent will utilize stored – water until wells can be placed in service again.

SECTION VI. WATER RATIONING ORDINANCE

- A. Refer to City Ordinance No. 1369

SECTION VII. LIST OF KEY PERSONNEL, SUPPLIER, KDHE, BUREAU OF
WATER SUPPLY, REGIONAL EPA OFFICE, OFFICE OF EMERGENCY
PREPAREDNESS.

AS FOLLOWS: LOCAL/COUNTY/STATE --- CHAIN OF COMMAND AND
CONTACTS, CURRENT NAMES, ADDRESSES, AND TELEPHONE NUMBERS.

City of Larned / Administration

City Manager
Lane Massey
226 East 18th
Larned, Kansas 67550
Office 285-8500
Home 620-660-5598

Water Superintendent
David Sallee
814 State Street
Larned, Kansas 67550
Office 285-8585
Home 620-804-1994

Office of the City Clerk
Russell Pratt
417 Broadway
Larned, Kansas 67550
Office 285-8500
Home

Utility Administrative Assistant
Karen Van Vleet
1116 O Road
Larned, Kansas 67550
Office 285-8585
Home 285-3532

Local Gas Company
Kansas Gas Service

Cable Television Company
Cox Communications
111 West 7th
Larned, Kansas 67550
285-3151

Pawnee County Emergency Preparedness
Mark Wagner
P.O. Box 191
Garfield, Kansas
Office 620-285-2014
Home 620-569-2384
Cell 620-569-5285

Kansas Dept. of Health & Environment
Allen J Guernsey
320 W McArtor
Dodge City Ks 67801
Office 620-225-0596

Bureau of Water
Topeka, Kansas
(785) 296-5500

THIS LAST SECTION WILL BE UPDATED ANNUALLY WHEN POLICY IS
REVIEWED IN JANUARY EACH YEAR.

Annual Review Sign Off Sheet:

It shall be required that this policy shall be reviewed annually by the governing body of the City of Larned, Water Superintendent, and attested to by the City Clerk.

Date Reviewed

Signature

[illegible]

ORDIANCE No. 1369

AN ORDINANCE PROVIDING FOR THE PROHIBITED NON-
ESSENTIAL USE OF WATER DURING AN EMERGENCY,
AND PROVIDING FOR PENTALTIES FOR VIOLATION THEREOF.

BE IT ORDAINED BY THE GOVERNING BODY OF THE CITY OF LARNED:

Section 1. Whenever the Water Superintendent shall deem that an emergency exists by reason of a shortage of water supply or inadequate water pressure, and it is necessary in order to properly protect and fully to utilize the supply of water for essential uses such as fire protection, household consumption, maintenance of health and sanitation facilities and the operation of essential business, the Water Superintendent shall have power to declare an emergency to exist, and the City Council shall have the power to prohibit during the period of emergency the use of water from the city water supply for essential cases only. Such emergencies shall be deemed to continue until it is declared by the Water Superintendent, upon consulting with the City Council, to be ended.

Section 2. For the purposes mentioned in Section 1, the Water Superintendent may prohibit or restrict any of the following uses of water from the City water supply;

- a. The sprinkling or watering of shrubbery, trees or grass through the use of a hose or otherwise; provided, that nurseries shall be allowed to use a minimum amount of water to keep their present stock, shrubbery or trees alive.
- b. The washing of automobiles, trucks or any other type of mobile equipment.
- c. The washing of sidewalks, porches, filling station aprons, or floors and interiors of buildings or trucks; provided, that the City Water Superintendent may permit the reasonable use of water to maintain sanitation and may permit the reasonable use of water for, the washing of filling station aprons and floors essential to public safety and the prevention of fire hazards.
- d. Air conditions or evaporative cooling systems designed and used to reduce room temperature for the comfort of persons using such room except in hospitals and nursing homes.
- e. The use of water in fountains, wading pools, swimming pools, fish ponds, golf course or any recreational grounds.

Section 3. The governing body may make such other limitations, restrictions, prohibitions, or variances upon the use of such water as it deems necessary to make the exigencies of the emergency.

Section 4. Violations of the limitations, restrictions or prohibitions imposed by Section 1 and 2 shall be considered to be violations of the same nature as violations of any ordinance of the City and shall be punishable the same as in any other ordinance violation.

This ordinance shall be in full force and effect from and after its publication once in the official city newspaper.

PASSED AND APPROVED by the Governing Body this 2 day of April, 2001.

Mayor

ATTEST:

City Clerk

City of
Larned
Water
Emergency
Plan
2009

