

## Chapter 3

### DEPARTMENTS

#### Article 1. Water Department

[Editor's Note: The prior Article 1 was repealed in its entirety by Ordinance No 594, 6/28/93]

#### **§3-101 MUNICIPAL WATER DEPARTMENT; CONTRACT; VIOLATION; RECONNECTION; FEE:**

The rules, regulations and water rates enacted by this Article shall be a part of the contract between the City and each consumer of water; and if any such rule or regulation shall be violated by any consumer, the consumer's service shall be discontinued and be resumed only upon payment of any delinquent charges against the consumer, and upon the full compliance with said rules and regulations, and upon the payment of a fee of twenty dollars (\$20.00) to reconnect the water service. (*Ord 594, 6/28/93*)

#### **§3-102 MUNICIPAL WATER DEPARTMENT; CONSUMER'S APPLICATION; HOOK-UP AND RECONNECTION FEE; DEPOSIT:**

(1) Any person desiring to receive water shall make application therefor to the City Clerk and pay to the City Clerk a non-refundable hook-up and administration fee of twenty dollars (\$20.00) for making the connection. Water service terminated at the request of the consumer shall be resumed upon payment of twenty dollars (\$20.00) to reconnect the services. Not more than one (1) dwelling house or business building shall receive water from a single tap.

(2) A deposit of one hundred dollars (\$100.00) payable to the City Clerk shall also be required of all new water customers, except prior water customers with a record of no delinquencies for twelve (12) consecutive months immediately prior to the application for water service. The deposit shall be refunded to any customer without delinquencies in payment for twelve (12) consecutive months. If water service is terminated before twelve (12) consecutive months, the deposit shall be refunded after offset for any balance owing the City. Any deposit or part thereof not claimed by a water customer entitled thereto within six (6) months after water service is terminated shall be forfeited forthwith to the City. (*Ord 594, 6/28/93*) (*Amended by Ords 837, 3/26/07; 851, 9/24/07; 867, 6/22/09; 973, 11/12/2019*)

#### **§3-103 MUNICIPAL WATER DEPARTMENT; WATER BILLS; COLLECTIONS; DISCONTINUANCE FOR NONPAYMENT; RECONNECTION FEE:**

Water rates and meter rentals shall be charged and become due on the first days of each month of each year beginning with July 1, 2007. If an account is not paid within ten (10) days after the bills are sent out, a penalty of five dollars (\$5.00) shall be added on water. Effective from and after March 31, 2008, and at a service charge to the customer of twenty-five dollars (\$25.00), a shut-off notice will be served to the consumer whose bill is delinquent fifteen (15) days after the bills are

sent out, notifying them of date service will be discontinued; if it becomes necessary to discontinue service for nonpayment, service shall be resumed on payment of the full amount due on consumer's account, together with a fee of fifty dollars (\$50.00) to reconnect the water service. All such water rates, rents and penalties shall be a lien upon the real estate for which the water was used or supplied. (*Ord 594, 6/28/93*) (*Amended by Ords 746, 2/14/00; 838, 4/9/07; 848, 7/23/07; 858, 2/25/08*)

**§3-104 MUNICIPAL WATER DEPARTMENT; WATER SERVICE; WHEN ALLOWED:**

Water shall not be turned on into any house or service pipe except on the order of the Water Commissioner. (*Ord 594, 6/28/93*)

**§3-105 MUNICIPAL WATER DEPARTMENT; SINGLE PREMISE:**

No consumer shall supply water to another family or families; nor, after has been introduced into any building or premises, shall any person make or permit to be made any tap or connection, extension or attachment, without permission of the Water Commissioner. (*Ord 594, 6/28/94*)

**§3-106 MUNICIPAL WATER DEPARTMENT; METERS REQUIRED; INSTALLATION AND MAINTENANCE:**

The Water Commissioner shall install and maintain meters on all service pipes, whereupon meter rates shall apply thereto, to the end that all consumers of water in the City shall be supplied through meters. (*Ord 594, 6/28/93*)

**§3-107 MUNICIPAL WATER DEPARTMENT; IMPROPER USE PROHIBITED:**

All persons using water shall keep their water fixtures closed, except when using water for the purposes permitted, and shall be responsible for all damage or injury which may result to others from the improper use of said water. (*Ord 594, 6/28/93*)

**§3-108 MUNICIPAL WATER DEPARTMENT; BACKFLOW PREVENTERS REQUIRED; MAINTENANCE OF SERVICE PIPE; RESTRICTED USE:**

All boilers shall be constructed with one or more air holes near the top of the inlet pipe, and shall be sufficiently strong to bear the pressure of the atmosphere under a vacuum, and equipped with a backflow preventer, shut-offs, and other fixtures shall be sufficiently strong to bear the pressure of the water in the mains. All persons taking water shall keep their own service pipe, shut-offs and apparatus in good repair, and protected from frost, at their own risk and expense, and shall prevent all unnecessary waste of water. It is expressly provided that no claim shall be enforceable against the City or Water Commissioner by reason of the breaking of any service connection, or by reason of failure of the supply of water from any cause, or by reason of the shutting off of water to repair mains, make extensions or connections, or for any other purpose that may be deemed necessary by the City Council or Water Commissioner; and the right is hereby

reserved to cut off the supply of water at any time. In the event of a water shortage, at any time, the Mayor and Council, by resolution, may prescribe rules and regulations concerning the use of water during the emergency; and, in the event of a violation of any such rule or regulation, by any consumer, service to the consumer during such emergency, shall be discontinued. (*Ord 594, 6/28/93*)

**§3-109 MUNICIPAL WATER DEPARTMENT; DISCONTINUED SERVICE; RESUMPTION; WHEN ALLOWED:**

When water has been turned off from any consumer, the consumer shall not turn it on again, or permit it to be turned on, without the consent of the Water Commissioner. (*Ord 594, 6/28/93*)

**§3-110 MUNICIPAL WATER DEPARTMENT; INSPECTIONS:**

Every consumer of water in said City shall permit the Water Commissioner, or employee of the City Water Department, between the hours of 8:00 a.m. and 4:30 p.m., to enter consumer's premises to examine water pipes and fixtures, and read water meters. (*Ord 594, 6/28/93*)

**§3-111 MUNICIPAL WATER DEPARTMENT; CURB BOX SHUT-OFF REQUIRED; REQUIREMENTS:**

Every service pipe must be provided with a curb box shut-off for each consumer, easily accessible, and so situated that the water can be shut off conveniently. Curb box shut-off shall be of pattern approved by the Water Commissioner. (*Ord 594, 6/28/93*)

**§3-112 MUNICIPAL WATER DEPARTMENT; CURB BOX SHUT-OFF; LOCATION; REQUIREMENTS:**

Unless other-wise directed by the Water Commissioner, curb box shut-off shall be placed in the service pipe on the edge of the sidewalk, near the curb line, and shall be protected by a tile or iron pipe reaching from the shut-off to the surface of the ground, of suitable size to admit a stop key for turning the stop, with a curb box shut-off cover visible and even with the surface of the ground or paving. (*Ord 594, 6/28/93*)

**§3-113 MUNICIPAL WATER DEPARTMENT; SHUT-OFF VALVE REQUIRED:**

There shall be a shut-off valve attached to every supply pipe at a point in the building so as to permit water being shut-off in case of an emergency within the building. (*Ord 594, 6/28/93*)

**§3-114 MUNICIPAL WATER DEPARTMENT; EX-CAVATIONS; REQUIREMENTS:**

In making excavations in streets for the laying of service pipe or making repairs, the paving and earth removed shall be deposited in a manner that will cause the least inconvenience to the public and will not impede surface drainage of the street. (*Ord 594, 6/28/93*)

**§3-115 MUNICIPAL WATER DEPARTMENT; EXCAVATIONS; BARRICADES REQUIRED:**

Any person making excavations in the street shall provide suitable barricades thereat, and maintain warning lights at night, as a proper protection to the public. (*Ord 594, 6/28/93*)

**§3-116 MUNICIPAL WATER DEPARTMENT; EXCAVATIONS; REFILLING; REQUIREMENT:**

In refilling an opening, after service pipes have been laid, the earth shall be filled in layers of not more than nine inches in depth, and each layer shall be thoroughly tamped; and the street, sidewalk and pavement shall be restored to as good condition as they were prior to the making of the excavation; all dirt, stones and debris remaining from said excavation, after job is complete, must be removed immediately; should any excavation in any street or alley in said City be left open for the period of twenty-four hours, or be improperly barricaded, or should the work be improperly done, the Water Commissioner shall have the right to finish or correct the work, and the expense incurred shall be charged to the applicant, and shall be paid by the applicant before water is turned on. (*Ord 594, 6/28/93*)

**§3-117 MUNICIPAL WATER DEPARTMENT; TAP FEES; ESTABLISHED; METER LOCATION; SERVICE LINE MAINTENANCE; TAPPING THE MAIN**

(1) Pursuant to Pawnee City Municipal Code, section 3-103, 3-104, and 3-106, the following tap fee policy is hereby established:

**$\frac{3}{4}$ " Tap – Base Rate:**

- (a) The tap fee base rate shall cover the cost of materials at the current commercial rate of the day of the Customer's request, plus the cost of labor.
  - (b) Within the corporate limits of the City, the base rate shall apply. Outside the corporate limits of the City, the base fee plus a \$200 surcharge shall apply.
- (2) Tap fees for any line size above  $\frac{3}{4}$ " will be based upon the current prices for the parts required for the size of line requested, plus the cost of labor. Said tap fees shall cover all labor and materials to the curb stop shut-off on the property line. The expense of installing the service line shall be the responsibility of the property owner. Should the Customer already have water service and desire to change the line size, all expenses shall be the Customer's responsibility. The Customer will be informed of the current cost for materials at the time of the application for service.
- (3) Each permit for a tap on the water main shall be approved by the Mayor or the Water Commissioner.
- (4) For any application for water service approved by the Governing Body wherein a tap larger than  $\frac{3}{4}$ " is requested, or wherein the property to be served is more than 100 feet from a water main, the Governing Body shall establish the tap fee prior to approving such application.
- (5) On a new tap service installation, should it be necessary to cross a paved or blacktop street, which requires boring under the street, the cost of boring will be at the Customer's expense above the cost of the tap fee and labor.

- (6) All water meters shall be placed at such a point as is designated by the Utility Superintendent, unless otherwise provided by the Governing Body in its approval of the application or water service.
- (7) Pursuant to Pawnee City Municipal Code, section 3-103 and 3-109, there is hereby established a fee of twenty dollars (\$20.00) for processing any application for water service and expense of hook-up. Said fee shall be paid before water service is provided. In the event that water service is cut off for nonpayment of water bill, then said fee shall be paid (in addition to the delinquent water bill) before water service is reestablished.
- (8) Any discovered water leak on a service line shall be repaired by the property owner at owner's expense within a reasonable time after said leak is discovered. Upon failure to make such repairs within a reasonable time after the same is discovered, the Utility Superintendent shall cut off water service to the property; provided, if the property owner or consumer is a welfare recipient it shall be the duty of the Municipal Clerk to notify the property owner or consumer and the County Welfare Department by certified mail of the proposed termination. Water service shall be resumed only upon completion of repairs to the service line and payment of fifty dollars (\$50.00) for the expense of reestablishing the hook-up.
- (9) The charge for water lost in any leak in a service line, regardless of cause, in addition to any repair costs from the first curb-stop from the main on, is the Customer's responsibility.  
(Amended by Ord 927, 3/14/2016; Ord 997, 4/26/2021)

**§3-118 MUNICIPAL WATER DEPARTMENT; WATER RATES; ESTABLISHED:**

The following is established as the tariff of water rates to the consumers from the water works of the City of Pawnee City:

Effective **October 1, 2021** the Base Rate in a one-month period including meter rent for each service located inside the corporate limits of said City based on the service location's meter size:

- (IN1) ¾" Meter - \$29.50 Base Fee
- (IN2) 1" Meter - \$55.75 Base Fee
- (IN3) 1 ½" Meter - \$122.00 Base Fee
- (IN4) 2" Meter - \$225.00 Base Fee

Effective **October 1, 2021** the Base Rate in a one-month period including meter rent for each service located outside the corporate limits of said City based on the service location's meter size:

- (OUT1) ¾" Meter - \$43.50 Base Fee
- (OUT2) 1" Meter - \$78.75 Base Fee
- (OUT4) 4" Meter - \$1,220.00 Base Fee

All remaining gallons up to 100,000 gallons will be at a rate of \$2.10 per one thousand gallons regardless of location and 100,000 gallons and over will be at a rate of \$2.65 per one thousand gallons after 100,000 gallons.

Effective **October 1, 2022** the Base Rate in a one-month period including meter rent for each service located inside the corporate limits of said City based on the service location's meter size:

- (IN1) ¾" Meter - \$31.25 Base Fee
- (IN2) 1" Meter - \$58.75 Base Fee
- (IN3) 1 ½" Meter - \$128.75 Base Fee
- (IN4) 2" Meter - \$237.50 Base Fee

Effective **October 1, 2022** the Base Rate in a one-month period including meter rent for each service located outside the corporate limits of said City based on the service location's meter size:

- (OUT1 ) ¾" Meter - \$46.00 Base Fee
- (OUT2 ) 1" Meter - \$83.00 Base Fee
- (OUT4 ) 4" Meter - \$1,288.20 Base Fee

All remaining gallons up to 100,000 gallons will be at a rate of \$2.25 per one thousand gallons regardless of location and 100,000 gallons and over will be at a rate of \$2.80 per one thousand gallons after 100,000 gallons.

Effective **October 1, 2023 and beyond** the Base Rate in a one-month period including meter rent for each service located inside the corporate limits of said City based on the service location's meter size:

- (IN1) ¾" Meter - \$32.75 Base Fee
- (IN2) 1" Meter - \$61.75 Base Fee
- (IN3) 1 ½" Meter - \$135.25 Base Fee
- (IN4) 2" Meter - \$249.25 Base Fee

Effective **October 1, 2023 and beyond** the Base Rate in a one-month period including meter rent for each service located outside the corporate limits of said City based on the service location's meter size:

- (OUT1 ) ¾" Meter - \$48.25 Base Fee
- (OUT2 ) 1" Meter - \$87.25 Base Fee
- (OUT4 ) 4" Meter - \$1,352.00 Base Fee

All remaining gallons up to 100,000 gallons will be at a rate of \$2.35 per one thousand gallons regardless of location and 100,000 gallons and over will be at a rate of \$2.95 per one thousand gallons after 100,000 gallons. (*Ord 594, 6/28/93*) (*Amended 8/26/2013; 6/27/2016 & Ord 993 6/14/2021*)

**§3-119 MUNICIPAL WATER DEPARTMENT; MINIMUM RATES:**

Consumers shall keep their service pipes in order and no reduction in rates shall be made for time service pipe may be out of use. In the event a consumer's meter shall cease to function, the consumer shall be charged the amount charged on the average for the preceding billing periods and the meter shall at once be repaired or replaced. (*Ord 594, 6/28/93*)

**§3-120 MUNICIPAL WATER DEPARTMENT; FIRE HYDRANTS:**

All fire hydrants erected and installed in said City are hereby declared to be public hydrants, and no person, except City Fire Department members and employees of the City Water Department, shall open said hydrants or tamper therewith. (*Ord 594, 6/28/93*)

**§3-121 MUNICIPAL WATER DEPARTMENT; PENAL PROVISION:**

Any person violating any provision of sections 3-101 through 3-120 shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be punished by a fine of not less than two hundred fifty dollars (\$250.00) nor more than five hundred dollars (\$500.00), and shall be required to pay any costs incurred in prosecution thereof. (*Ord 594, 6/28/93*) (*Amended by Ord 849, 7/23/07*)

**§3-122 WATER DROUGHT/EMERGENCY:**

1. *When Water Saving* is required. The following water conservation stages shall be in effect at the following times. Total water consumption per day shall be determined by totaling all the treated water pumped by the entire city water works system. When stage 2 water rationing is in effect, no person, firm or corporation shall use any water in violation of any provision of this ordinance.

A. Stage 1 – Voluntary Water Conservation. Voluntary Water Conservation shall be in effect whenever the Waterworks Superintendent declares that the water supply of the capacity of the waterworks system to deliver water is approaching levels at which water rationing will be required to preserve the ability of the city to deliver a necessary amount of water to each water user. Procedure for Stage 1 shall be as follows:

1. Waterworks Superintendent will make public announcements in the news media that stage 1 voluntary water conservation is in effect. The announcements will include a description of the provisions in effect.
2. Persons will be urged to conserve water in every way possible, in their homes and in their businesses.
3. People will be urged to avoid sprinkling their lawns and avoid watering gardens, shrubs or trees with a hose, unless the lawn, garden, shrubs, or plants need the water to avoid damage, and at any rate no oftener that every second day for not more than four hours a day.

B. Stage 2 – Water Rationing. Stage 2 water rationing will be in effect whenever total consumption for the preceding day was higher than waterworks system can handle, to be determined by City Council. The following requirements will be in effect:

1. The Waterworks Superintendent will make public announcements through the news media concerning stage 2 water rationing, whenever stage 2 rationing is in effect. The announcement will include a description of the restrictions.
2. No person shall use water to sprinkle a lawn, or use water through a hose to water any garden, tree or shrub, except as follows: sprinkling shall be permitted before 8:00 A.M. or after 8:00 P.M. on even-numbered days at residences and businesses North of 7th Street and on odd-numbered days at residences and businesses South of 7th Street. These restrictions shall apply to all residences and to all businesses and institutions having lawns, gardens, trees or shrubs, and shall be followed at all parks and public buildings owned by the city. These restrictions shall not apply to any persons, firm or corporation engaged in the business of growing or selling plants of any kind.
3. No water shall be used from a hose to wash automobiles, except at places of business where autos are washed on every business day either with attendants, with automatic equipment or by self-service. Any person may wash an automobile with water from a bucket.
4. No private swimming pool shall be filled. Swimming pools that were filled before stage 2 water conservation went into effect may have water added to make up losses through evaporation or splashing. Water lost through draining or through leaks in the pool may not be made up during stage 2 water rationing.

C. Stage 3 – Water Restriction. Stage 3 water restriction will be in effect

whenever the Waterworks Superintendent states that our wells cannot handle the water consumption being used daily. *The following requirements will be in effect:*

1. The Waterworks Superintendent will make public announcements through the news media concerning stage 3 water restriction, whenever stage 3 restriction is in effect. The announcement will include a description of the restrictions.
2. No person shall use water to sprinkle a lawn, or use water through a hose to water any garden, tree or shrub. These restrictions shall apply to all residences and to all businesses and institutions having lawns, gardens, trees or shrubs, and shall be followed at all parks and public buildings owned by the city.
3. No water shall be used from a hose to wash automobiles, except at places of business where autos are washed on every business day either with attendants, with automatic equipment or by self-service. Any person may wash an automobile with water from a bucket.
4. No private swimming pool shall be filled and no water added to make up losses through evaporation, splashing, draining or leaks through stage 3 water restriction.
2. Responsibility. No person shall be convicted of violating this ordinance unless such person in fact turned on water, directed the turning on of water, or kept water turned on after learning it was turned on in violation of this ordinance, or failed to turn off automatic devices capable of turning on water in violation of this ordinance. It will not be necessary, however, to present a witness who saw the accused turning on the water, if the circumstances indicated the accused did turn on the water.
3. Reports and Review of Rationing. The Waterworks Superintendent will make reports to the City Council at least once a week while water rationing is in effect. The City Council will review the reports and consider any changes that may be desirable in the regulations set out in this ordinance.
4. Explanations. The Waterworks Superintendent will from time to time send, along with bi-monthly water bills, an explanation of the regulations set out in this ordinance.
5. Severability. The provisions of this ordinance are separable, and the invalidity of any part of this ordinance shall not affect the validity of the rest of the ordinance.
6. Penalty. Any person, firm or corporation violating any provisions of this ordinance shall be fined not less than one hundred dollars nor more than five hundred dollars for each offense, and a separate offense shall be deemed committed on each day during or on which a violation occurs or continues. (*Ord 809, 4/25/05, Amended Ord 1035, 7/24/23*)

### **§3-123 WELLHEAD PROTECTION PLAN:**

#### **A. Introduction:**

The City of Pawnee City has one main goal and that is to supply clean safe clean drinking water for our customers. We as residents ourselves want our families to be safe and healthy now and in the future. This document is another tool to help us maintain that goal.

This plan will help the City to be aware of potential contaminants now and in the future. There is a visual reference as well as written steps in the plan to identify these locations within the wellhead protection area.



Public education on how to help keep our water clean and water conservation efforts will be done on a regular basis. Keeping fresh in everyone's mind will go a long way to keeping our goal.

The City Council has read and approved this Wellhead Protection Plan and is aware of all of its contents.

## **B. Water System History and Information:**

The construction for the water system for Pawnee City was started in 1876. The ordinance was written a year later detailing where the shut offs were to be located for the customers and at what point in the line it would become the responsibility of the customer to maintain.

Between 1876 and 1893 the water system was built which included 17 wells in the southwest corner of town, an 11,000 gallon storage tank (no longer in use), water tower and around 112 blocks of main. The sizes of the mains ranged from 2 inch up to 10 inch.

Two factors played a part in the City having to look for another source of water. The first was the well could not keep up with the demand. The second was because the 17 shallow wells were located on the sandy Turkey Creek bottom ground by the early 1950's chemical concentrates were getting to unhealthy levels. In 1954 they started drilling test wells mainly going north of town along which is now Highway 50. It took 29 test wells before they found an aquifer good enough to sustain Pawnee City. In 1955 well #1 was drilled and transmission line was run 44,000 feet to the water tower in town. For allowing the city to run a transmission main across the land owner's properties each property was given a water tap. Well #2 was drilled in 1966 and #3 was established in 1977. All three wells are still being used today.

We just finished an update project which included new piping in the well houses, a new main from the well field to the water tower, 40 blocks of main that were upsized to 8 inch and new service taps on the entire new pipe. An elevated 250,000 gallon storage tank was erected in 1981. Our average water usage is around 170,000 gallon a day. There are 600 service taps ranging in size from ¾ inch for a house to 4 inch for the factory located on the north end of town. Our major users are the factory, hospital, manor, school and public pool.

The city met with the Pawnee County Commissioner to ask if they would be willing to enforce this plan and they agreed. An inner local agreement is to be approved after the plan has passed through the proper steps.

As you can see we have a long history and have stayed progressive in the upkeep of our system. We also have learned the lesson on how valuable and important it is to keep a water source clean and safe.

## **C. Wellhead Protection Area:**

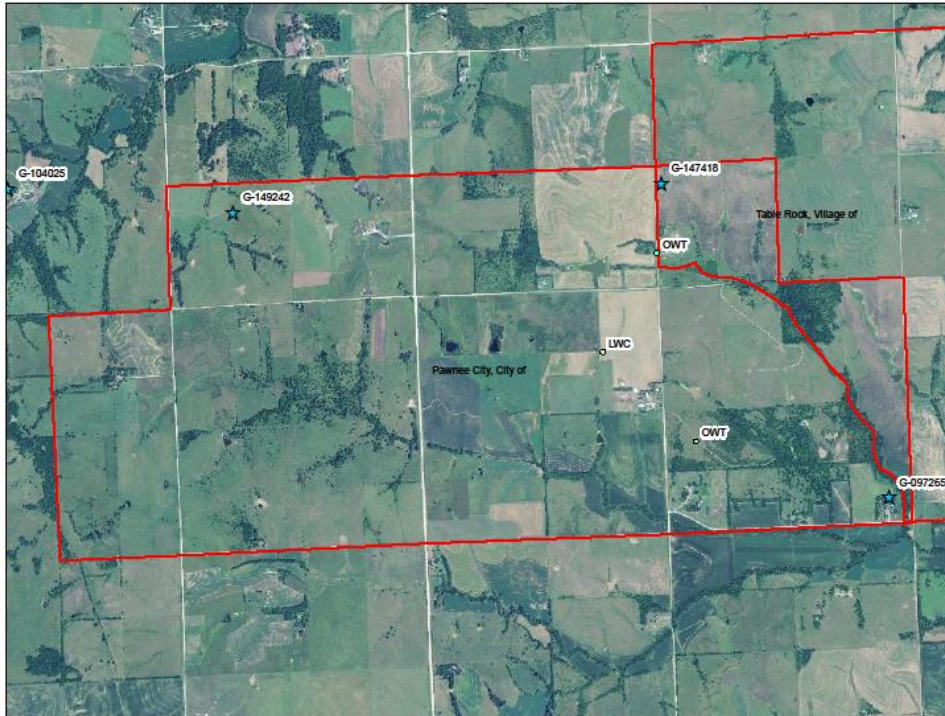
**These maps are provided by NDEQ.**

The first map shows:

1. The wellhead protection area with a bold red line
2. The green is the 1 year capture zone
3. The yellow is the 2 year capture zone
4. The blue is the 10 year capture zone
5. The red is the 20 year capture zone
6. The 1000 feet radius is the small black dashed circle around each of the city's wells

The first map shows:

1. Registered wells at Department of Natural Resources
2. Onsite Waste Treatment
3. Livestock Waste Control



#### **D. Potential contaminant source inventory:**

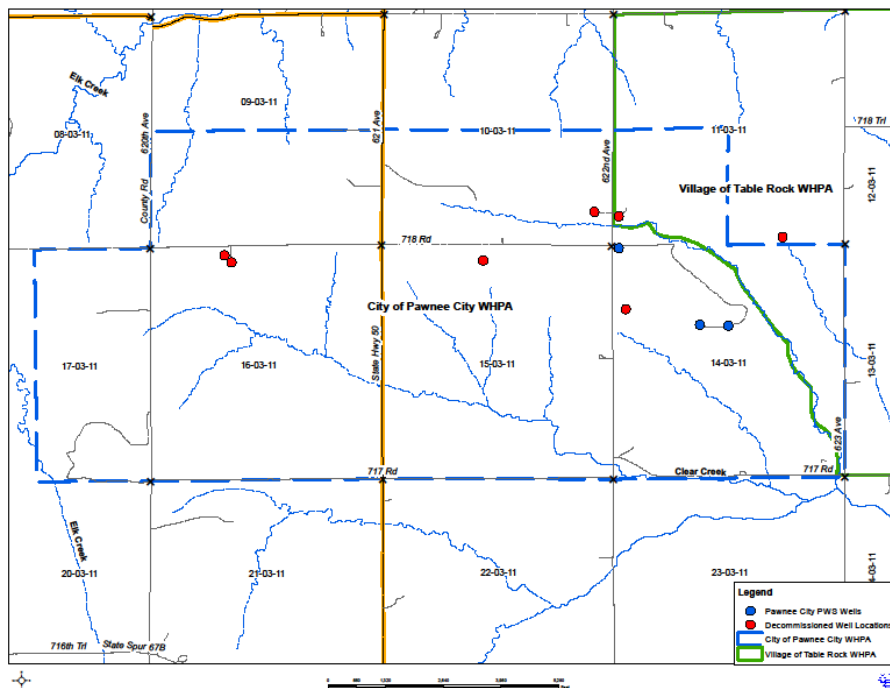
NDEQ provided the city with 4 possible contaminant sources.

1. Aboveground Storage Tank Facilities (none listed)
2. State Fire Marshall Hazardous Aboveground Storage Tank (none listed)
3. State Fire Marshall Underground Storage Tank (none listed)
4. Nebraska Department of AG Pesticide Dealers registered with NDEQ (none listed)
5. The City did a visual inspection and there is no fuel storage over 1200 gallon on any one site.
6. There are no large feed lots housing over 1,000 head.
7. The household sewer systems. (shown on map)
8. There is several unregistered private well within the boundaries. (shown on map)
9. Inventory forms filled out in 2000. (see attachments)

The second map shows:

1. Wells closed by the city in 2001 through NRD program.
2. Private wells (information provided by land owners).
3. Household sewer systems (information provided by property owners and visual inspection by city crew).

This map provided by Pawnee City and NRD



We feel at this time that none of these items listed are potential contaminants. They have been in place for more than 20 years and our records show no increase in contaminant levels that could be caused by the listed potential sources since the well field was started in 1955. We will work with NRD to keep up our efforts to close unused wells.

#### E. Wellhead Protection Management:

##### *Practices already established*

1. Property that the wells are located on was purchased by the City in 2009.
2. CRP on the crop ground owned by city and has been put back in to the program by the city in 2012.
3. A pond was built to eliminate a stock tank next to the well house.
4. A limit has been set for the number of head of cattle that can be put in the pasture.
5. Signed lease agreement stating that the renter of the pasture may not apply any chemicals without first getting the approval of the city.
6. A cross-connection control program is in place for all of the city's water customers. Fliers are sent out annually reminding customers on avoiding cross-connections and water conservation practices.
7. All possible contaminants that a water system is required to test for can be found by contacting Department of Health and Human Services under Title 179 or a current copy is also kept at the city office.
8. The NRD office in Tecumseh would have records on any monitoring wells and test results from those wells located within the surrounding area.

### *Future Management practices*

1. Every property owner in the wellhead protection area will receive informational fliers on cross-connection and water conservation practices.
2. The city will be looking at closing more unused wells.
3. The county zoning commission has been given this information and is currently waiting for NDEQ to give their approval before proceeding with a vote.
4. The entire WHP area lies outside of city's jurisdictions. This mean the city will have to work with Pawnee County to ensure that the proper management practices are implemented. A copy of the current Pawnee County Zoning AG overlay district is attached to view all of the uses allowed and not allowed.
5. The gate to the well field is locked at all times and there are chain link fences with locks around every well house.
6. The goal of the Nemaha Natural Resources District's (NNRD) Groundwater Management Plan is to forever protect and maintain the existing quality of groundwater. The Plan addresses both groundwater quality and quantity. The groundwater quality is monitored and managed in the following manner. When the analysis from groundwater sampling indicates a certain percentage of the maximum contaminant level (MCL) of any primary contaminant listed with the United States Environmental Protection Agency (EPA) is reached then the District shall further define the problem area, establish management area boundaries and determine the appropriate controls to be implemented. The establishment of a groundwater quality management area requires action by the NNRD Board of Directors in accordance with the procedures outlined in Nebraska State Statutes.

Once a management area has been established, a list of controls is then implemented to mitigate the contaminant(s). Controls implemented include voluntary educational training, technical assistance programs encouraging best management practices and cost-share incentive programs. Groundwater wells within the established management area are sampled annually to evaluate the extent and potential source of the contamination, the effectiveness of the controls implemented and to determine whether the controls should be relaxed or increased.

### **F. Emergency Plan and Water Conservation:**

*See Water Files for Emergency Plan:*

#### **Water Conservation**

1. The city has worked in conjunction with the Pawnee City Public School to put out annual fliers to all of the city's water customers. These fliers will now go to every land owner in the wellhead protection area as well.
2. The city has built a pond at the well field to reduce the need for the cattle using pumped water.
3. Ordinance 3-117 (c) (6) states that a water leak must be repaired after a short time or the water service will be shut off. *(See attached Ord)*
4. Ordinance 809 sets water restrictions in 3 stages. *(See attached Ord)*

**G. Well Planning:**

1. The city has purchased the ground where the well field is located. There is enough area to drill another 2 wells within this area.
2. The 3 wells that are currently established are inspected and tested annually by Layne Christen. All records are kept at the city office.
3. The established wells are currently fulfilling the needs of the water customers and no new sources or wells are being looked into at this time.

**H. Public Education:**

1. Fliers are sent annually to all water customers and wellhead protection area.
2. Pawnee Public School has a class that reviews the flier and delivers them door to door.
3. Notices are put in the paper for water restrictions and posted when it's warranted.
4. Signage designating that you are entering a wellhead protection area.
5. This plan will be updated annually to keep up on legislation or programs that might be available.
6. This plan was open for public review at the regular city council meeting on 6/11/2012 and is on the agenda at the next 2 regular meetings. A current copy of the minutes and agenda is open to the public at the City Office at 605 G Street during normal business hours.  
(Ord 902, 7/12/2012)