

**APPENDIX E: YORK PUBLIC WATER SUPPLY EMERGENCY RESPONSE INFORMATION**

**EMERGENCY RESPONSE PLAN 2014**

- Includes Emergency Contact Information

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# Emergency Plan



**City of York, Nebraska  
Department of Public Works  
Water Department  
2014**

## **Forward**

Nebraska Health and Human Services System (NHHSS) requires that an emergency operation plan be prepared for safeguarding the water supply and alerting the public in the event of natural or manmade disaster. The following contingency plan has been developed to satisfy the requirement set forth by the NHHSS. It is beyond the scope of this plan to address every potential situation which could cause a loss of water supply; parameters such as weather, severity of damage, degree of risk to life, and system demand all play an important part in determining the proper actions to be taken. This contingency plan will provide a basis by which proper actions can be taken to resolve the problems encountered.

A water system study was completed in 1995 that addressed future water quality and quantity concerns. This study developed a plan to provide adequate supplies of good quality water. The plan also provides for the construction of capital improvements required to provide adequate supplies and to treat the water if necessary. Water wells and water system improvements are being completed as outlined in the Water System Study. The City of York has established a Wellhead Protection Area. The Wellhead Protection Program is a developing program, which has a goal to establish protection of the York groundwater supplies.

To insure that the water supply system is operated, maintained, and developed in a proper manner, City of York is committed to using good engineering practice. City of York is also committed to good operating practice; this is evident in the number of Certified Operators on staff, operators training and continuing education provided.

## Emergency Notification Directory

1. Name and Ownership

A. Address of Business Office

Name: City of York Water Department  
100 E. 4<sup>th</sup> Street  
P.O. Box 507  
York, NE 68467

B. Address of Operation Center

Name: City of York Department of Public Works  
303 E. Nobes Road  
P.O. Box 507  
York, NE 68467

C. Responsible Personnel

City Administrator	Tara Vasicek	402-363-2602
Director of Public Works	Mitch Doht	402-363-2600
Water System Operator	Kenneth Ekeler	402-363-2650
Certified Water Operators	Dave Becker	402-363-2650
	Allen Snider	402-363-2650
	Greg Smith	402-363-2650
	Ken Marsh	402-363-2650
	Rob Schmidt	402-363-2650

**Emergency Service Directory  
Department of Public Works  
City of York Water System**

<i>Agency</i>	<i>Contact</i>	<i>Telephone</i>	<i>Cell Phone</i>	<i>Fax</i>
City	York, Nebraska	402-363-2600		402-363-2601
Mayor	Chuck Harris	402-362-6739		
City Administrator	Tara Vasicek	402-363-2600	402-366-1610	402-363-2601
Director of Public Works	Mitch Doht	402-363-2600	402-710-3927	402-363-2601
Water Operator	Ken Ekeler	402-363-2650	402-366-6205	402-363-2601
Backup Operator	Dave Becker	402-363-2650	402-362-6744	402-363-2601
Backup Operator	Allen Snider	402-363-2650	402-362-2431	402-363-2601
County Board Chairman	Bill Bamesberger	402-723-5740		
Nebraska State Patrol	Capt. Chris Kolb	308-385-6000		
County Sheriff	Dale Radcliff	402-362-4927		
Police Chief	Don Klug	402-363-2640		402-363-2621
Fire Chief	Kevin Stuhr	402-363-2610		402-362-3075
Local Health Official	4 Corners	402-362-2621	402-362-2687	
Emergency Management Director	Gary Petersen	402-643-5761		402-363-2601
Red Cross Disaster Chairman	Julie Howe	402-646-2150		
Hospital Administrator	Charles Schulz	402-362-6671		
School Superintendent	Mike Lucas	402-362-6655		
Health & Human Services	Jack Daniel	402-471-0523		402-471-6436
Health & Human Services	Robert Byrkit	402-471-0517	402-432-4831	402-471-6436
Department of Environmental Quality	Mike Linder	402-471-2186		402-471-2909
Natural Resources District	Brian Dunnigan	402-471-2366		
HOA	Office Lincoln Williams Chris Egger	402-467-3750	402-430-8761 402-499-8760	
Well Installer	Layne-Western	308-234-1914		308-234-6326
Well Installer	Sargent Drilling	888-496-3902		402-759-4960
Electric Utility	Nebraska Public Power	877-275-6773		402-362-7346
Electric Utility (88-1)	Perennial Power	402-362-3357		
Gas Utility	Black Hills Energy	800-366-5202		
Windstream	Dean Clark	402-362-5200		
One-Call Locate Service	Diggers Hotline of NE	800-331-5666 ID #: 985		
League of Municipalities	Lash Chaffin	402-476-2829		402-476-7052
Medical Emergencies		800-553-5631		
National Response Center		800-424-8802		

**Emergency Plan  
City of York, Nebraska  
Department of Public Works Water Department**

**Phone: 402-363-2600  
Fax: 402-363-2601**

The City of York owns and operates a municipal water supply system that serves the potable water requirements for the City of York. In 2010, the City of York had a population of 7,766 persons. Historical peak annual water pumped in 2013 was 510.2 million gallons. The average daily usage was 3.94 million gallons with a peak day usage of 3.612 million gallons. The historical peak day usage was 3.612 million gallons on August 27, 2013.

The source of water for the City of York is solely from the regional underground water supply. Water is supplied to the water distribution system via eighteen (18) deep vertical turbine water wells. Water Supply wells are located within the City of York with the exception of one well that is approximately one (1) mile south of the city limits.

The groundwater supply is abundant; however, due to increased demands by agriculture and domestic usage, groundwater declines have been observed.

The groundwater is of high quality; however, due to industrial and agricultural practices, contamination by organic and inorganic compounds have been found. The major contaminants have been nitrates: trichloroethene and carbon tetrachloride. Nitrate levels continue to rise and may pose the most immediate threat to the supply. Ever changing environmental regulations continue to identify additional compounds, which may impact our ability to provide high quality and affordable water. Some wells have been removed from service due to high nitrate and trichloroethene levels.

This Emergency Plan is prepared as required by the Nebraska Safe Drinking Water Act, State Regulation 179, Chapter 2, Section 8.01C. The Emergency Plan will address procedures to be followed in the event there is a loss of system capacity and/or deterioration of water quality.

If 10% or more of the system is affected, or a health-related contamination is found at any service connection, the following personnel should be contacted- immediately:

Mitch Doht, Director of Public Works  
Office 402-363-2600  
Home 402-710-3927  
Cell 402-710-3927

Ken Ekeler, Water System Operator, Foreman II  
Office 402-363-2650  
Home 402-366-0708  
Cell 402-366-6205

For well, reservoir or control system problems, contact the following personnel in the order listed:

Ken Ekeler, Water System Operator, Foreman II

Office 402-363-2650

Home 402-366-0708

Cell 402-366-6205

Dave Becker, Foreman I

Office 402-363-2650

Home 402-362-6744

Cell 402-366-6224

Allen Snider, Foreman II

Office 402-363-2650

Home 402-362-2431

Cell 402-366-5945

For water main and service problems contact the following personnel in the order listed:

		<i>Office</i>	<i>Home</i>	<i>Cell</i>
Ken Ekeler	Foreman II	402-363-2650	402-366-0708	402-366-6205
Dave Becker	Foreman I	402-363-2650	402-362-6744	402-366-6224
Allen Snider	Foreman II	402-363-2650	402-362-2431	402-366-5945
Greg Smith	Mechanic	402-363-2650	402-724-2590	402-366-1779
Rob Schmidt	Maintenance Worker I	402-363-2650	402-363-2650	402-366-1855
Ken Marsh	Foreman II	402-363-2650	402-362-2868	402-366-6094

The Director of Public Works or Water System Operator shall be responsible for notifying the local officials and the Nebraska Health and Human Services when necessary.

The emergency plan will be updated each January and a copy may be obtained at the following locations:

- York City Clerk's Office
- York County Emergency Management Office
- York Police Department
- Water Department Business Office
- Director of Public Works Office
- Water Department System Operator's Office
- Nebraska Health and Human Services

### **Possible Emergencies and Disasters**

The vulnerability of the water supply system has been assessed for the following possible failures:



- Power failure at wells, reservoirs, elevated tanks, or service center
- Water main or service line break
- Chemical or bacteriological contamination
- Loss of storage
- Floods, tornadoes, earthquake or other acts of nature.
- Acts of terrorism

**Priority of Service**

In an emergency, the priority of service restoration will be:

- Fire protection
- Hospitals and nursing homes
- Domestic (for limited use during the emergency)
- Commercial
- Industrial

**Procedures to Follow**

***Power Failure at Wells***

Loss of water supply due to power failure resulting from natural causes or terrorist acts is difficult to predict when and how it will occur. However, it is apparent that the entire water system can be affected. The major task here is to restore power as quickly as possible. This is accomplished by using city personnel, local power company personnel and contract electricians, as necessary. Procedures to follow are:

- Confirm cause and extent of the power failure.
- If power failure is isolated to a single well, rotate well out of pumping schedule and replace with another well.
- If multiple well power failure, mobilize standby generation equipment to well 73-1 or 04-1.
- If necessary, shut off non-essential water uses until the City’s essential water needs are met.
- Notify local power company of power outage
- Notify Nebraska Health and Human Services system if major power outage impacting multiple wells
- Notify local law enforcement agency if any indication of tampering or terrorist act

During working hours contact:

Ken Ekeler, Water System Operator	402-363-2650	402-363-2600	366-6205
Water Office	402-363-2606	402-363-2600	

After working hours contact:

York Police Department                      402-363-2640  
 (Police Department will have an after-hours call sheet with individuals to call.)

### ***Major Power Failure Incident***

Contact:

Ken Ekeler, Water System Operator, Foreman II

Office 402-363-2650

Home 402-366-0708

Cell 402-366-6205

Mitch Doht, Director of Public Works

Office 402-363-2600

Home 402-710-3927

Cell 402-710-3927

Chuck Hansen, Building Inspector

Office 402-363-2600

Home 402-362-5186

Cell 402-366-6177

Aaron Dressel, Wastewater Superintendent

Office 402-363-2680

Home 402-362-5008

Cell 402-366-6223

### ***Water Main or Service Line Break***

Loss of water supply due to water main breaks resulting from natural causes, contractor activity, or terrorist act normally impact an area less than the total service area. However, it is difficult to predict when and how a main may break. The major task is to restore water service as quickly as possible. This is accomplished by using city personnel and /or contract utility workers as necessary. Procedures to follow are:

- Employee on-call confirms a break has occurred
- Contact the Water Department System Operator or additional employees necessary to correct the problem
- Locate leak
- Notify Diggers Hotline of Nebraska for emergency utility location (See Emergency Services Directory)
- Inform customers of the problem, that the water will be shut off and when the problem will be resolved as provided in York City Code, Chapter 37, Article I, Sections 37-15 and 37-16,
- Isolate leak using system valves and repair break. (This may be done as the above step if leak is causing property damage or is a safety threat.)
- Notify local media if a large area will be affected
- Notify the Nebraska Health and Human Services if over 10% (800 people) are affected.
- Notify local law enforcement agency if any indication of tampering or terrorist act

### ***Chemical or Bacterial Contamination***

Loss of water capacity due to contamination from bacterial, organic or inorganic compounds would generally affect only a localized area of the water supply system. Procedures to follow are:

- Contact the Water Department System Operator or Director of Public Works
- Notify the Nebraska Health and Human Services System
- Isolate the source and surrounding area with valves
- Flush the system
- Follow the instruction of the Nebraska Health and Human Services
- Notify local law enforcement agency if any indication of tampering or terrorist act

In the event that our water is unsafe or unavailable for normal use by our customers, the York County Emergency Management official must contact the Nebraska Emergency Management officials and request that the Nebraska National Guard furnish portable water tanks to the City. If the request is granted, water distribution sites will be set up for customers to pick up drinking water.

### ***Loss of Storage***

Loss of water capacity due to loss of storage resulting from natural causes or terrorist act would affect the entire service area. However, with three (3) water storage facilities it is unlikely all three would be out of service at the same time. Procedures to follow are:

- Notify customers to conserve or discontinue water use.
- Notify the Nebraska Health and Human Services System
- Implement York City Code, Chapter 37, Article I, Sections 37-15 and 37-16
- Notify local law enforcement agency if any indication of tampering or terrorist act

### ***Natural Disasters***

Loss of supply and capacity due to high winds, tornadoes, earthquake, floods and other acts of nature are difficult to predict. However, it is apparent the entire water supply could be affected. Procedures to follow are:

- Use a combination of the above procedures as needed depending upon the type of disaster and parts of the system affected.

## Water System Information

### *Industries Served*

<i>Company</i>	<i>Location</i>	<i>Telephone</i>
Agri Products	2012 S. Grant Ave	402-362-5500
Fairways Vinyl Siding	2004 S. Grant Ave	402-362-3807
Overland Read Mix	423 W. 3 <sup>rd</sup> St	402-362-6643
York Cold Storage	1302 N. Grant Ave	402-362-5563
York Cold Storage	320 Commerce St	402-362-5563
York Cold Storage	1213 N. Division Ave	402-362-5563
Crystal Lake Foods	320 Commerce St	402-362-5988
Nutrition Services	501 N. Division Ave	402-362-1633
Nutrition Services	515 W. 5 <sup>th</sup> St	402-362-1633
Mycogen Plant Sciences	1117 Recharge Rd	989-638-6399
Nebraska Public Power	907 W 25 <sup>th</sup> St	877-275-6773
Kroy Building Products	521 W. 26 <sup>th</sup> St	877-386-5769
Kroy Industries	614 W. 26 <sup>th</sup> St	402-362-6651
Kroy Industries	2719 N. Division Ave	402-362-6651
Cyclonaire	2922 Division Ave	402-362-2000
Hamilton Sundstrand	2800 N. Division Ave	402-362-7461
Crossroads GPS, Inc	2711 Enterprise Ave	402-366-1709
Nolan Transportation LLC	119 Bond St	402-362-0366
Champion Homes	3200 Enterprise Ave	402-362-4455
Pioneer Production Plant	1410 Highway 34	402-362-3349
Abengoa Bioenergy CO	1414 Road O	636-728-0508

### *Health Facilities Served*

York General Health Care	216 Meadow View Dr	402-362-6671
Mahoney House	1810 E. 12 <sup>th</sup> St.	402-362-5538
Meadowlark Assisted Living	406 Meadow View Dr	402-362-6671
York General Hospital	2714 N. Lincoln Ave	402-362-6671
York General Medical Clinic	2114 N. Lincoln Ave	402-362-5555
York General Hospital	2011 N. Lincoln Ave	402-362-0473

### *Wells*

Nineteen wells are located within the city limits and one well is located one mile south of the city limits.

<i>Well</i>	<i>Registration #</i>	<i>Location</i>	<i>Pumping Capacity (gpm)</i>
62-1	G-30563	56 Platte Ave.	460
68-1	G-30559	1100 Duke Dr.	475
73-1*1	G-63043	2412 N. Division Ave.	510
76-1	G-63042	303 E. Nobes Rd.	300
77-1	G-60709	1905 N. Delaware Ave.	500
77-3	G-60708	1005 Greenwood Ave.	500
77-4	G-60707	1009 E. Nobes Rd.	500

82-12	G-63560A	1708 Grant Ave.	520
82-2	G-30560B	527 E. 14 <sup>th</sup> St.	520
88-1*2	G-71287	802 Highway 81	530
97-1	G-94218	140 Sunset Dr.	800
97-1A	G-94220	140 Sunset Dr.	451
97-2	G-94219	1708 East Ave.	647
04-1	G-130246	2425 E. 12 <sup>th</sup> St.	800
09-1*3	G-157272	2109 E. 4 <sup>th</sup> St.	550
09-2*3	G-157274	2605 E 4 <sup>th</sup> St.	550
09-3*3	G-157475	1216 Rd. 21	550
09-4*3	G-157276	1503 Rd. 13	550
09-5*3	G-157277	1503 Rd. 13	550
09-6*3	G-157273	2528 E. 15 <sup>th</sup> St.	550

- \*1 Well off with uranium contamination
- \*2 Well off with nitrate contamination – could be used in an emergency
- \*3 Wells are off due to smell associated with Sulfate – could be used in an emergency

***Storage***

Storage capacity totals 1,975,000 gallons and consists of two elevated storage tanks and one underground reservoir located within the city limits.

Elevated Storage Tank	1100 Duke Dr.	1,000,000 gallon capacity
Elevated Storage Tank	4128 Broadwell Dr.	750,000 gallon capacity
High Service #1 and #2	63 Platte Ave.	225,000 gallon capacity

***Treatment*** None at this time.

***Standby Equipment***

Loss of water supply and capacity is minimized due to standby equipment available within the City equipment fleet.

- Master control for SCADA control system is located at the Department of Public Works, 303 E. Nobes Road, York, Nebraska 68467 and can be operated with a generator. Backup located at York Municipal Building, 100 E. 4<sup>th</sup> Street, York, Nebraska 68467.
- The Municipal Building has standby power for lights and control systems.
- A 100 kW Holt generator #410 can be connected to run wells 97-2 or 88-1
- Two other generators are available: 4 kW and 6 kW.
- Well 04-1 can be operated with tractor PTO unit.
- Wells 09-2, 09-3, and 09-4 can be operated with generators.

***Materials Perpetually on Inventory***

Water system materials are maintained in inventory in order to repair mechanical and electrical problems in a timely manner.

- Water main pipe and fittings in sizes from 2” to 16”

- Repair sleeves in sizes from 1 ½” to 16”
- Various hand tools for maintaining and repairing mains are located on each truck
- Other hand and power tools are in the Public Works Building

### ***Maps***

All Water Department trucks have an overview map and valve books showing the general location of mains, hydrants, and valves. Detailed maps showing location of mains, valves, hydrants, wells, tanks, and larger service connections are in:

- The Water Business Office – 100 E. 4<sup>th</sup> Street
- Department of Public Works — 303 E. Nobes Road
- Water System Operator’s Truck #220
- Water System Service Truck #207

### ***Equipment***

All equipment owned by the City of York is available to address any emergency that may occur. Contract equipment will be utilized to the extent necessary to restore water service. All City owned trucks, loaders, backhoe and motor grader are equipped with two-way radios.