APPENDIX III

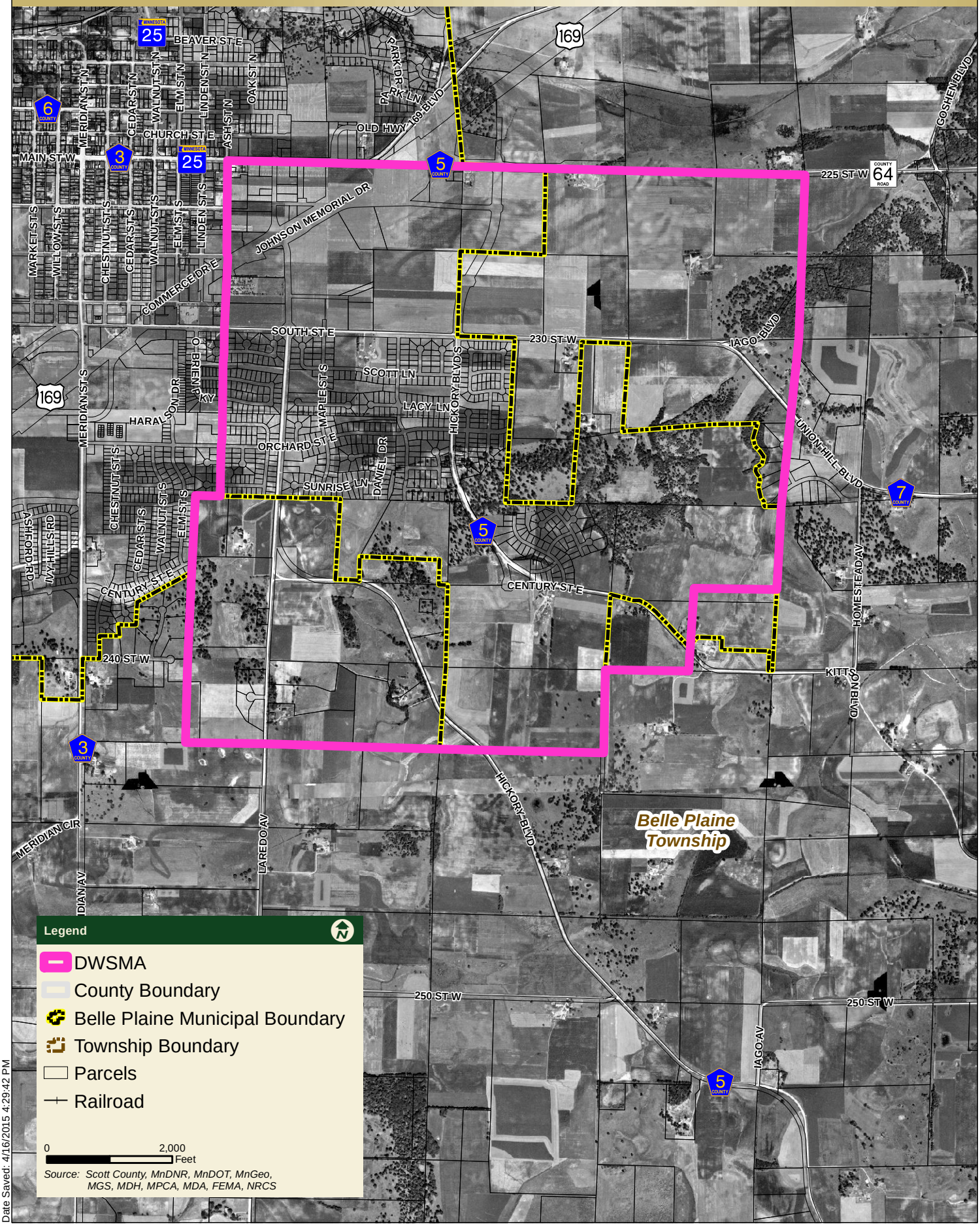
INVENTORY OF POTENTIAL CONTAMINATION SOURCES

Wellhead Protection Plan

City of Belle Plaine

1951 Aerial Photo

April, 2015



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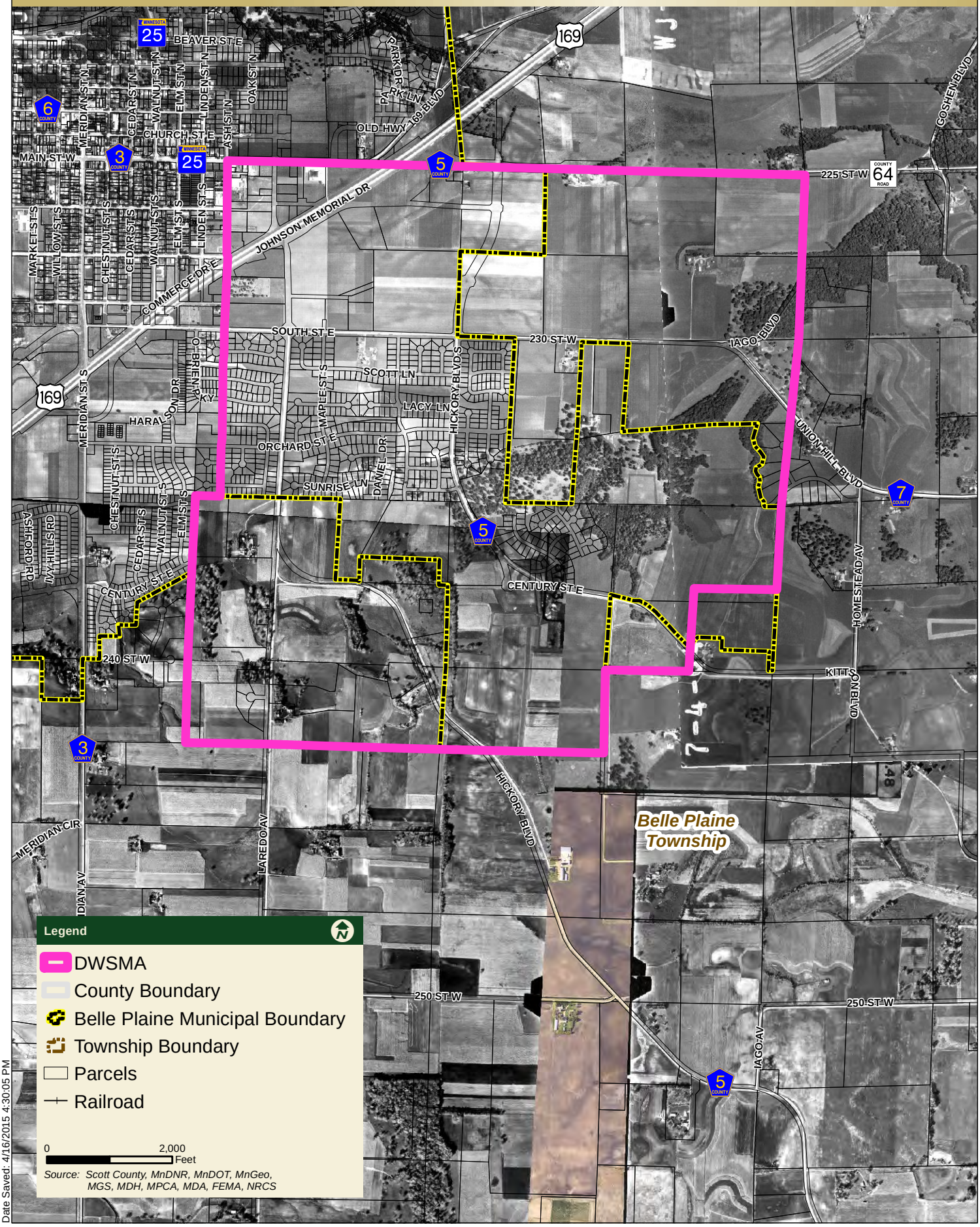
Wellhead Protection Plan

City of Belle Plaine

1964 Aerial Photo

April, 2015



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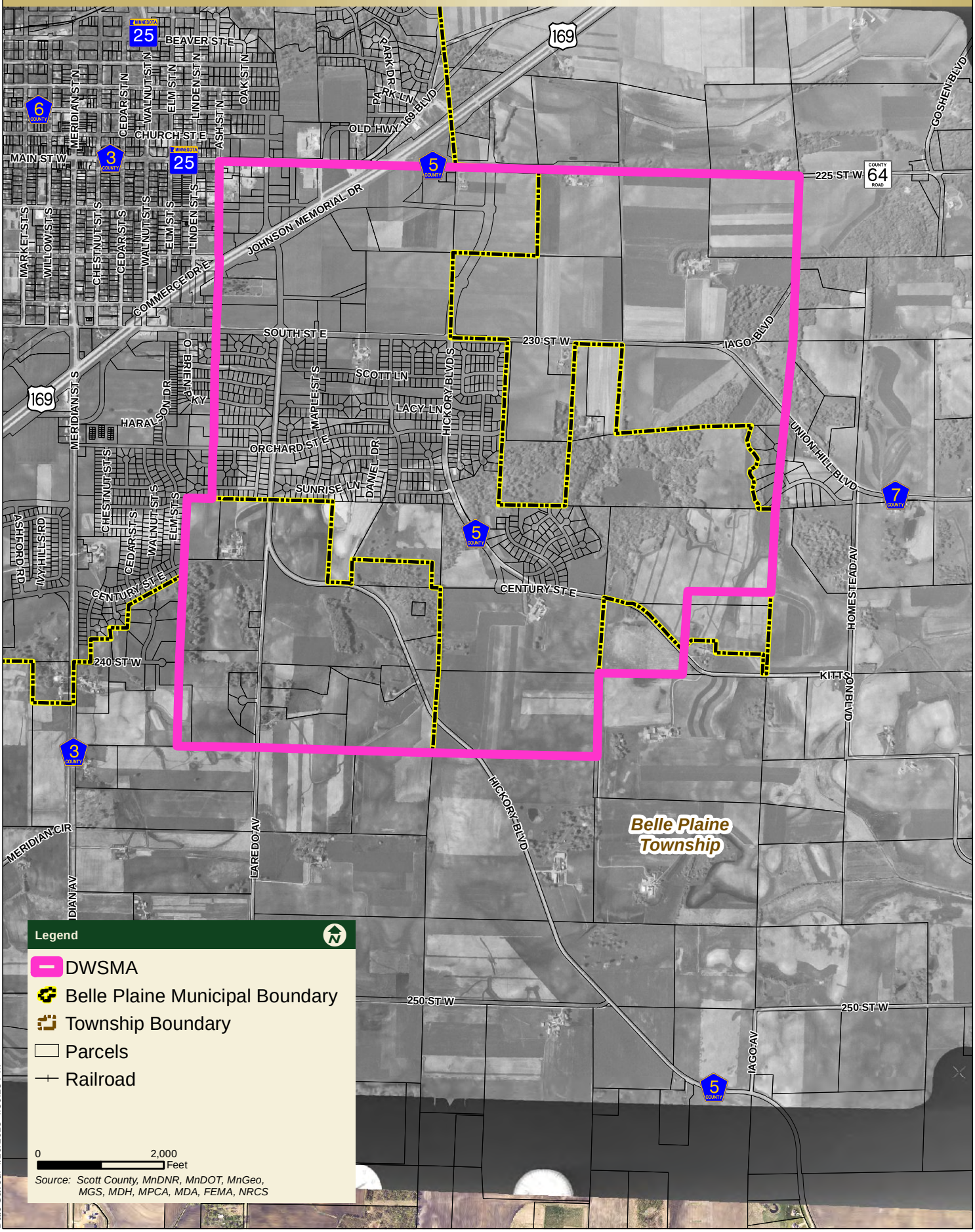
Wellhead Protection Plan

City of Belle Plaine

1975 Aerial Photo

April, 2015



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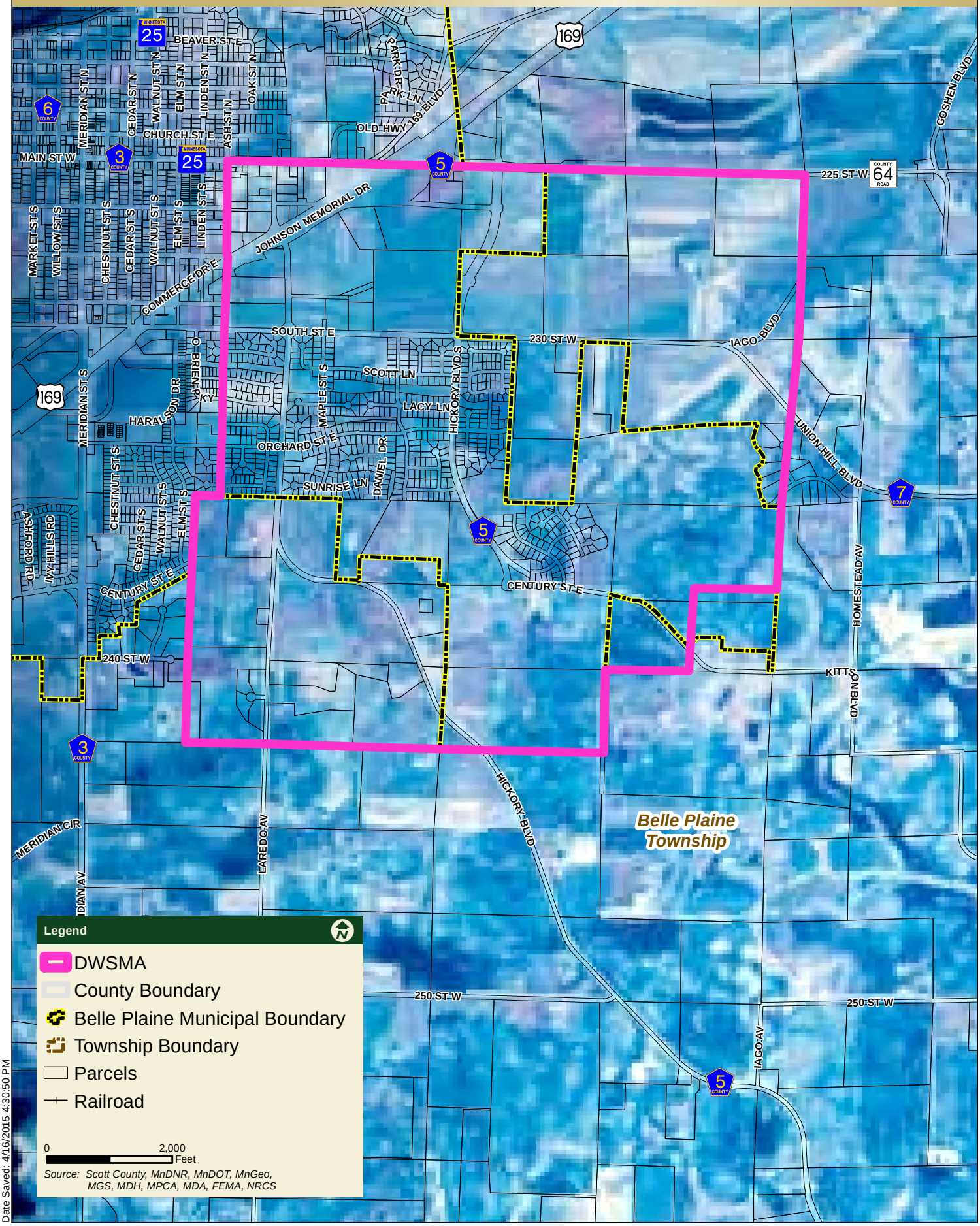
Wellhead Protection Plan

City of Belle Plaine

1984 Aerial Photo

April, 2015



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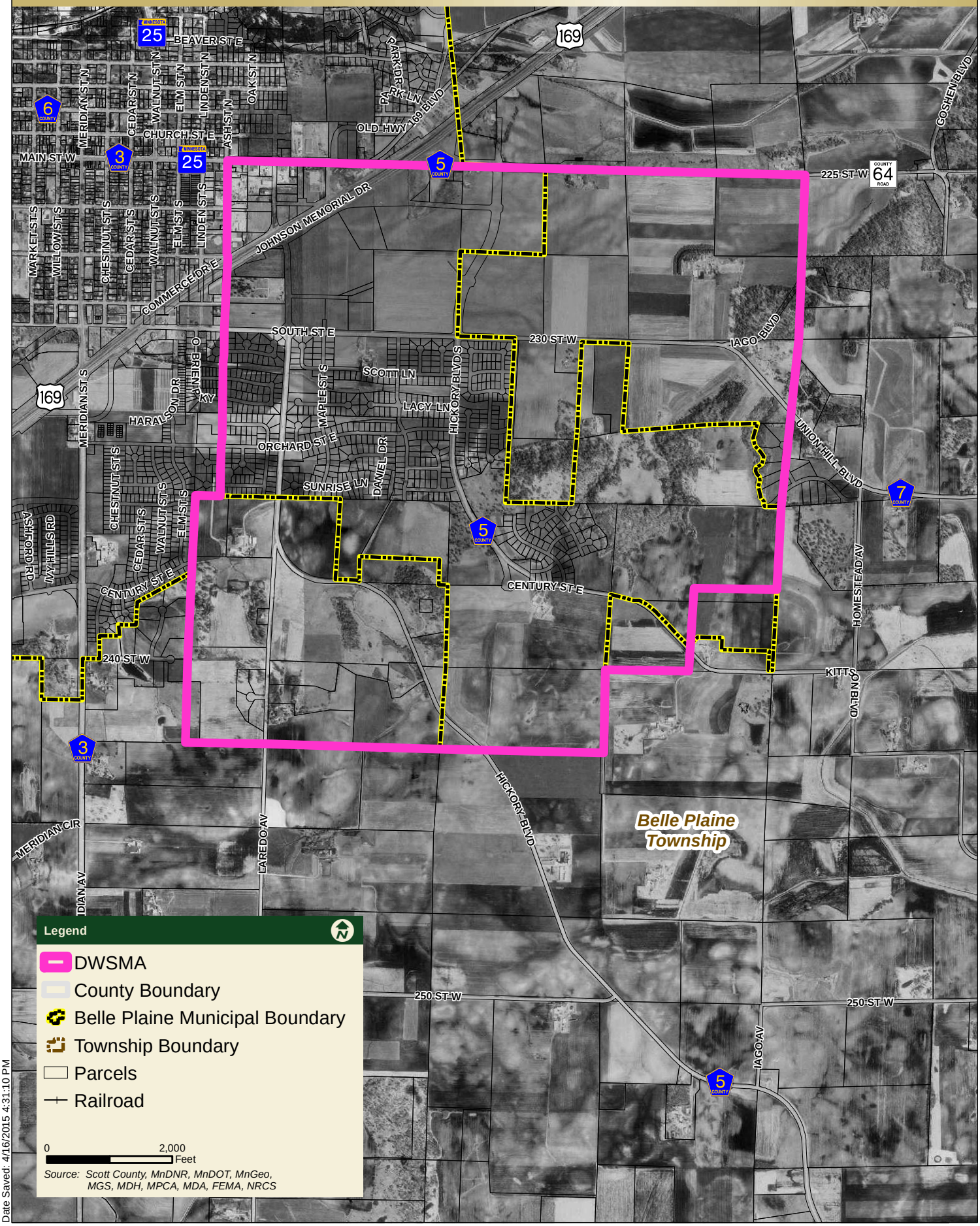
Wellhead Protection Plan

City of Belle Plaine

1991 Aerial Photo

April, 2015



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Environmental Health Division
Drinking Water Protection Section
P.O. Box 64975
St. Paul, Minnesota 55164-0975

INNER WELLHEAD MANAGEMENT ZONE (IWMZ) - POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1700001	**COMMUNITY**
NAME	Belle Plaine	
ADDRESS	Water Superintendent, City of Belle Plaine, 218 North Meridian Street, P.O. Box 129, Belle Plaine, MN 56011	

FACILITY (WELL) INFORMATION

NAME	Well #3
FACILITY ID	S03
UNIQUE WELL NO.	538038
COUNTY	Scott

IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?

☐ **YES** (Please attach a copy)
☐ **NO** ☐ **UNDETERMINED**

PWS ID / FACILITY ID	1700001 S03	**UNIQUE WELL NO.**	538038

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
Agricultural Related							
*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well[2] (Class V well - illegal[3])	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		
SSTS Related							
AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well)[2]	50/300/150[4]	50/300/150[4]	100/600/300[4]	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal)[2]	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal)[2]	illegal	illegal		N		

PWS ID / FACILITY ID	1700001 S03	UNIQUE WELL NO.	538038

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		N		
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	59	Y**
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		Y	126	Y**
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		Y	171	Y**
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		Y	56	Y**
SWI	Storm water drainage well[2] (Class V well - illegal[3])	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		Y	139	Y**
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		Y	100	
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		N		
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		
IWD	Industrial waste disposal well (Class V well)[2]	illegal[3]	illegal[3]		N		
IWS	Interceptor, including a flammable waste or sediment	50	50		N		
OH1	Ordinary high water level of a stream, river, pond, lake, reservoir, or drainage ditch (holds water six months or more)	50	35		N		
*PP1	Petroleum buried piping	50	50		N		
*PP2	Petroleum or crude oil pipeline to a refinery or distribution center	100	100		N		

PWS ID / FACILITY ID	1700001 S03	UNIQUE WELL NO.	538038

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
PT1	Petroleum tank or container, 1100 gal. or more, without safeguards	150	150		N		
PT2	Petroleum tank or container, 1100 gal. or more, with safeguards	100	100		N		
PT3	Petroleum tank or container, buried, between 56 and 1100 gal.	50	50		N		
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		Y	132	Y**
PU1	Pit or unfilled space more than four feet in depth	20	20		N		
PC1	Pollutant or contaminant that may drain into the soil	50	50	100	Y	152	Y**
SP1	Swimming pool, in-ground	20	20		N		
*VH1	Vertical heat exchanger, horizontal piping conforming to rule	50	10		N		
*VH2	Vertical heat exchanger (vertical) piping, conforming to rule	50	35		N		
*WR1	Wastewater rapid infiltration basin, municipal or industrial	300	300	600	N		
*WA1	Wastewater spray irrigation area, municipal or industrial	150	150	300	N		
*WS1	Wastewater stabilization pond, industrial	150	150	300	N		
*WS2	Wastewater stabilization pond, municipal, 500 or more gal./acre/day of leakage	300	300	600	N		
*WS3	Wastewater stabilization pond, municipal, less than 500 gal./acre/day of leakage	150	150	300	N		
*WT1	Wastewater treatment unit tanks, vessels and components (Package plant)	100	100		N		
*WT2	Water treatment backwash disposal area	50	50	100	N		
Additional Sources (If there is more than one source listed above, please indicate here).							
Potential Contamination Sources and Codes Based on Previous Versions of this Form							
	none found within 200' of this well.						

* New potential contaminant source.

** This number is the estimated distance that this potential source is from this well even though it was identified during an inventory for an adjacent well.

[1] A sensitive well has less than 50 feet of watertight casing, and which is not cased below a confining layer or confining materials of at least 10' in thickness.

[2] These sources, known as Class V underground injection wells, are regulated by the federal U.S. Environmental Protection Agency.

[3] These sources are classified as illegal by Minnesota Rules, Chapter 4725.

[4] Isolation distance is determined by average flow per day or if a facility handles infectious or pathological wastes.

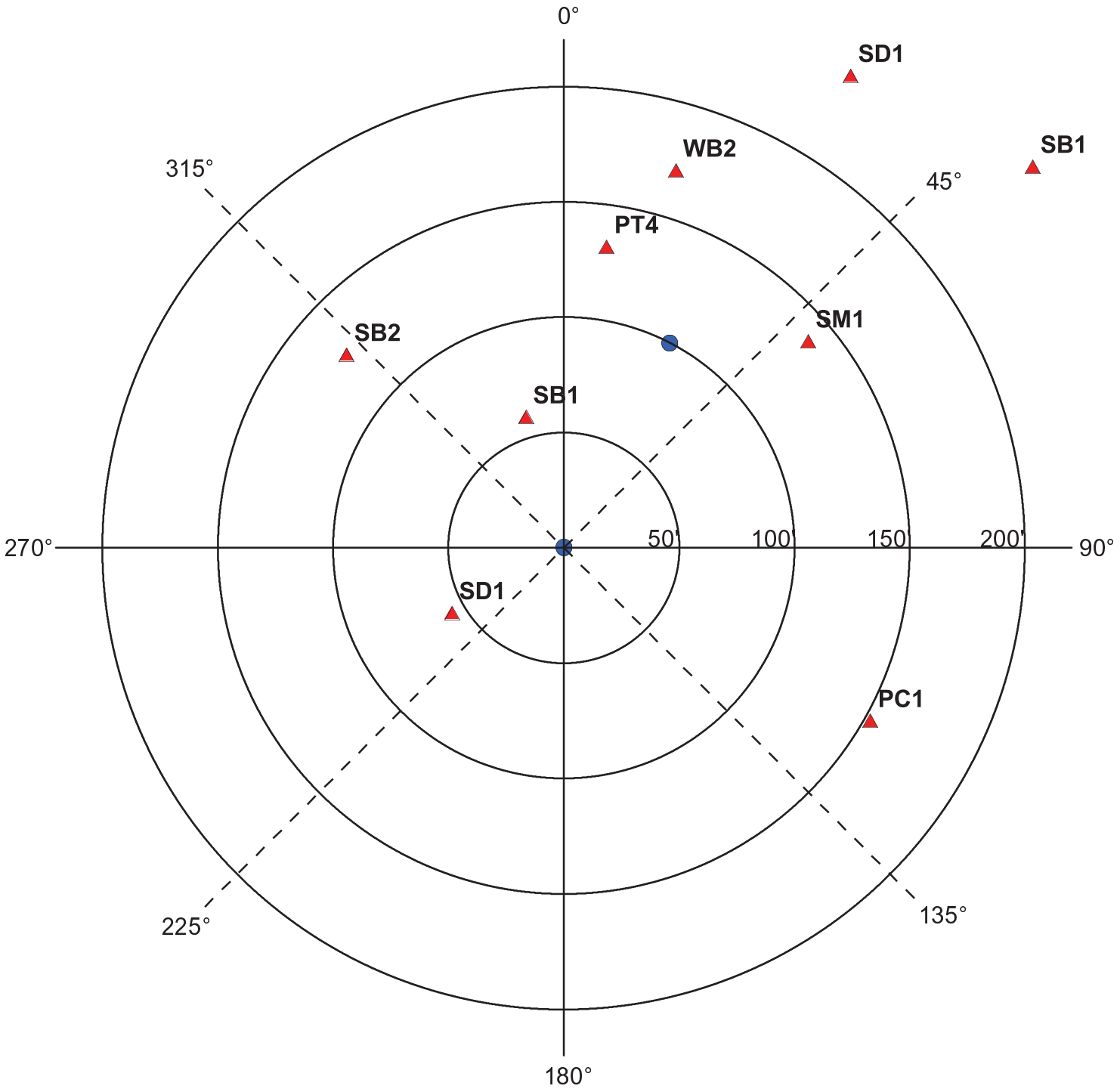
[5] A community public water-supply well must be a minimum of 50 feet from a petroleum tank or container, unless the tank or container is used for emergency pumping and is located in a room or building separate from the community well; and is of double-wall construction with leak detection between walls; or is protected with secondary containment.

This form is based on the new isolation distances in Minnesota Rules, Chapter 4725, related to wells and borings adopted August 4, 2008, and Minnesota Rules, Chapter 4720, related to wellhead protection.

PWS ID / FACILITY ID	1700001 S03	UNIQUE WELL NO.	538038

SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.

Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.



	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?			
Is the system monitoring existing nonconforming sources of contamination?			

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Hoerr, Robyn	DATE	7 - 31 - 2013

PWS ID / FACILITY ID	1700001 S03	UNIQUE WELL NO.	538038

RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
Any sewer lines that are observed to be leaking, cracked, or deteriorated, should be replaced.		
Tanks and secondary containments should be inspected on a regular basis for leak or spill detection. See: http://www.pca.state.mn.us/index.php/waste/waste-and-cleanup/waste-management/index.html for information, or call the Minnesota Pollution Control Agency at 1-800-657-3864.		
Sorbent material should be maintained on site for immediate clean-up of spills.		
Contact the Minnesota Duty officer at 1-800-422-0798 or 651-649-5451 to report a spill or leak of a hazardous material or petroleum product if there is a public safety or environmental threat and/or if state agency notification for reportable spills is required.		
The stormwater pipe and infiltration basin should be managed to insure optimal performance. Information on stormwater management can be found on the Minnesota Pollution Control Agency website.		

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

Environmental Health Division
Drinking Water Protection Section
P.O. Box 64975
St. Paul, Minnesota 55164-0975

INNER WELLHEAD MANAGEMENT ZONE (IWMZ) - POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1700001	**COMMUNITY**
NAME	Belle Plaine	
ADDRESS	Water Superintendent, City of Belle Plaine, 218 North Meridian Street, P.O. Box 129, Belle Plaine, MN 56011	

FACILITY (WELL) INFORMATION

NAME	Well #4	**IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?**
FACILITY ID	S04	☐ YES (Please attach a copy)
UNIQUE WELL NO.	651697	☐ NO ☐ UNDETERMINED
COUNTY	Scott	

PWS ID / FACILITY ID	1700001 S04	**UNIQUE WELL NO.**	651697

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
Agricultural Related							
*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well[2] (Class V well - illegal[3])	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		
SSTS Related							
AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well)[2]	50/300/150[4]	50/300/150[4]	100/600/300[4]	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal)[2]	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal)[2]	illegal	illegal		N		

PWS ID / FACILITY ID	1700001 S04	UNIQUE WELL NO.	651697

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		N		
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	70	Y
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	175	Y
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		Y	165	Y
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		Y	140	Y
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		Y	75	Y
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		Y	140	Y
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		Y	150	Y
SWI	Storm water drainage well[2] (Class V well - illegal[3])	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		Y	60	Y
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		Y	100	
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		N		
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		
IWD	Industrial waste disposal well (Class V well)[2]	illegal[3]	illegal[3]		N		

PWS ID / FACILITY ID	1700001 S04	UNIQUE WELL NO.	651697

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
IWS	Interceptor, including a flammable waste or sediment	50	50		N		
OH1	Ordinary high water level of a stream, river, pond, lake, reservoir, or drainage ditch (holds water six months or more)	50	35		N		
*PP1	Petroleum buried piping	50	50		N		
*PP2	Petroleum or crude oil pipeline to a refinery or distribution center	100	100		N		
PT1	Petroleum tank or container, 1100 gal. or more, without safeguards	150	150		N		
PT2	Petroleum tank or container, 1100 gal. or more, with safeguards	100	100		N		
PT3	Petroleum tank or container, buried, between 56 and 1100 gal.	50	50		N		
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		Y	50	Y
PU1	Pit or unfilled space more than four feet in depth	20	20		N		
PC1	Pollutant or contaminant that may drain into the soil	50	50	100	Y	185	Y
SP1	Swimming pool, in-ground	20	20		N		
*VH1	Vertical heat exchanger, horizontal piping conforming to rule	50	10		N		
*VH2	Vertical heat exchanger (vertical) piping, conforming to rule	50	35		N		
*WR1	Wastewater rapid infiltration basin, municipal or industrial	300	300	600	N		
*WA1	Wastewater spray irrigation area, municipal or industrial	150	150	300	N		
*WS1	Wastewater stabilization pond, industrial	150	150	300	N		
*WS2	Wastewater stabilization pond, municipal, 500 or more gal./acre/day of leakage	300	300	600	N		
*WS3	Wastewater stabilization pond, municipal, less than 500 gal./acre/day of leakage	150	150	300	N		
*WT1	Wastewater treatment unit tanks, vessels and components (Package plant)	100	100		N		
*WT2	Water treatment backwash disposal area	50	50	100	N		
Additional Sources (If there is more than one source listed above, please indicate here).							
Potential Contamination Sources and Codes Based on Previous Versions of this Form							
	none found within 200' of this well.						

* New potential contaminant source.

[1] A sensitive well has less than 50 feet of watertight casing, and which is not cased below a confining layer or confining materials of at least 10' in thickness.

[2] These sources, known as Class V underground injection wells, are regulated by the federal U.S. Environmental Protection Agency.

[3] These sources are classified as illegal by Minnesota Rules, Chapter 4725.

[4] Isolation distance is determined by average flow per day or if a facility handles infectious or pathological wastes.

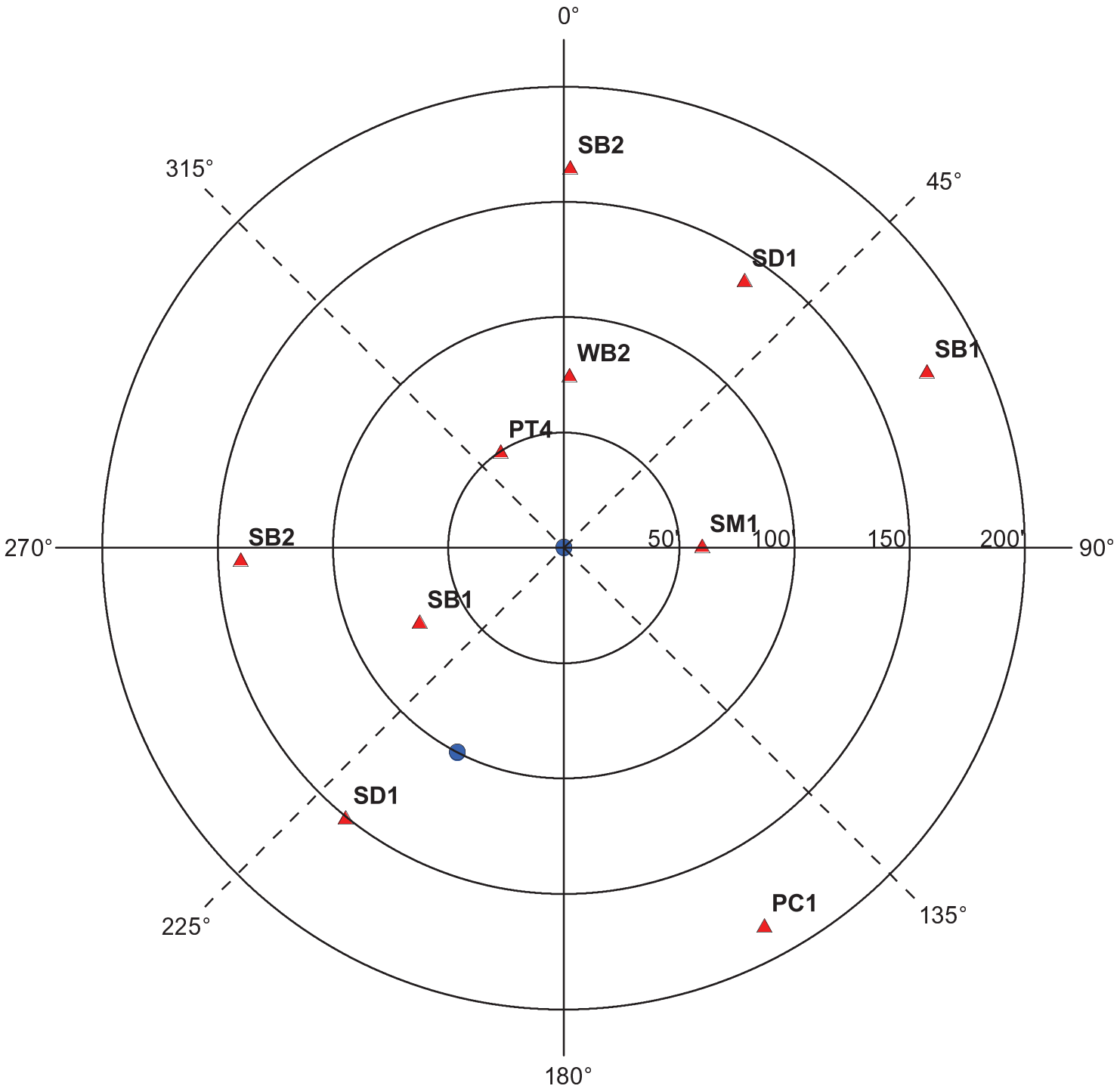
[5] A community public water-supply well must be a minimum of 50 feet from a petroleum tank or container, unless the tank or container is used for emergency pumping and is located in a room or building separate from the community well; and is of double-wall construction with leak detection between walls; or is protected with secondary containment.

This form is based on the new isolation distances in Minnesota Rules, Chapter 4725, related to wells and borings adopted August 4, 2008, and Minnesota Rules, Chapter 4720, related to wellhead protection.

PWS ID / FACILITY ID	1700001 S04	UNIQUE WELL NO.	651697

SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.

Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.



	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?			
Is the system monitoring existing nonconforming sources of contamination?			

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Hoerr, Robyn	DATE	7 - 31 - 2013

PWS ID / FACILITY ID	1700001 S04	UNIQUE WELL NO.	651697

RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
Any sewer lines that are observed to be leaking, cracked, or deteriorated, should be replaced.		
Tanks and secondary containments should be inspected on a regular basis for leak or spill detection. See: http://www.pca.state.mn.us/index.php/waste/waste-and-cleanup/waste-management/index.html for information, or call the Minnesota Pollution Control Agency at 1-800-657-3864.		
Sorbent material should be maintained on site for immediate clean-up of spills.		
Contact the Minnesota Duty officer at 1-800-422-0798 or 651-649-5451 to report a spill or leak of a hazardous material or petroleum product if there is a public safety or environmental threat and/or if state agency notification for reportable spills is required.		
The stormwater pipe and infiltration basin should be managed to insure optimal performance. Information on stormwater management can be found on the Minnesota Pollution Control Agency website.		

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

Environmental Health Division
Drinking Water Protection Section
P.O. Box 64975
St. Paul, Minnesota 55164-0975

INNER WELLHEAD MANAGEMENT ZONE (IWMZ) - POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1700001	**COMMUNITY**
NAME	Belle Plaine	
ADDRESS	Water Superintendent, City of Belle Plaine, 218 North Meridian Street, P.O. Box 129, Belle Plaine, MN 56011	

FACILITY (WELL) INFORMATION

NAME	#1 - West Well	**IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?**
FACILITY ID	S02	☐ YES (Please attach a copy)
UNIQUE WELL NO.	201245	☐ NO ☐ UNDETERMINED
COUNTY	Scott	

PWS ID / FACILITY ID	1700001 S02	**UNIQUE WELL NO.**	201245

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
Agricultural Related							
*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well[2] (Class V well - illegal[3])	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		
SSTS Related							
AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well)[2]	50/300/150[4]	50/300/150[4]	100/600/300[4]	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal)[2]	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal)[2]	illegal	illegal		N		

PWS ID / FACILITY ID	1700001 S02	UNIQUE WELL NO.	201245

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		N		
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	45	Y
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	145	Y
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	150	Y
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	125	Y
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		Y	125	Y
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		N		
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		N		
SWI	Storm water drainage well[2] (Class V well - illegal[3])	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		N		
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		N		
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		N		
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		

PWS ID / FACILITY ID	1700001 S02	UNIQUE WELL NO.	201245

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
IWD	Industrial waste disposal well (Class V well)[2]	illegal[3]	illegal[3]		N		
IWS	Interceptor, including a flammable waste or sediment	50	50		N		
OH1	Ordinary high water level of a stream, river, pond, lake, reservoir, or drainage ditch (holds water six months or more)	50	35		N		
*PP1	Petroleum buried piping	50	50		N		
*PP2	Petroleum or crude oil pipeline to a refinery or distribution center	100	100		N		
PT1	Petroleum tank or container, 1100 gal. or more, without safeguards	150	150		N		
PT2	Petroleum tank or container, 1100 gal. or more, with safeguards	100	100		N		
PT3	Petroleum tank or container, buried, between 56 and 1100 gal.	50	50		N		
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		N		
PU1	Pit or unfilled space more than four feet in depth	20	20		N		
PC1	Pollutant or contaminant that may drain into the soil	50	50	100	N		
SP1	Swimming pool, in-ground	20	20		N		
*VH1	Vertical heat exchanger, horizontal piping conforming to rule	50	10		N		
*VH2	Vertical heat exchanger (vertical) piping, conforming to rule	50	35		N		
*WR1	Wastewater rapid infiltration basin, municipal or industrial	300	300	600	N		
*WA1	Wastewater spray irrigation area, municipal or industrial	150	150	300	N		
*WS1	Wastewater stabilization pond, industrial	150	150	300	N		
*WS2	Wastewater stabilization pond, municipal, 500 or more gal./acre/day of leakage	300	300	600	N		
*WS3	Wastewater stabilization pond, municipal, less than 500 gal./acre/day of leakage	150	150	300	N		
*WT1	Wastewater treatment unit tanks, vessels and components (Package plant)	100	100		N		
*WT2	Water treatment backwash disposal area	50	50	100	N		
Additional Sources (If there is more than one source listed above, please indicate here).							
Potential Contamination Sources and Codes Based on Previous Versions of this Form							
	none found within 200' of this well.						

* New potential contaminant source.

[1] A sensitive well has less than 50 feet of watertight casing, and which is not cased below a confining layer or confining materials of at least 10' in thickness.

[2] These sources, known as Class V underground injection wells, are regulated by the federal U.S. Environmental Protection Agency.

[3] These sources are classified as illegal by Minnesota Rules, Chapter 4725.

[4] Isolation distance is determined by average flow per day or if a facility handles infectious or pathological wastes.

[5] A community public water-supply well must be a minimum of 50 feet from a petroleum tank or container, unless the tank or container is used for emergency pumping and is located in a room or building separate from the community well; and is of double-wall construction with leak detection between walls; or is protected with secondary containment.

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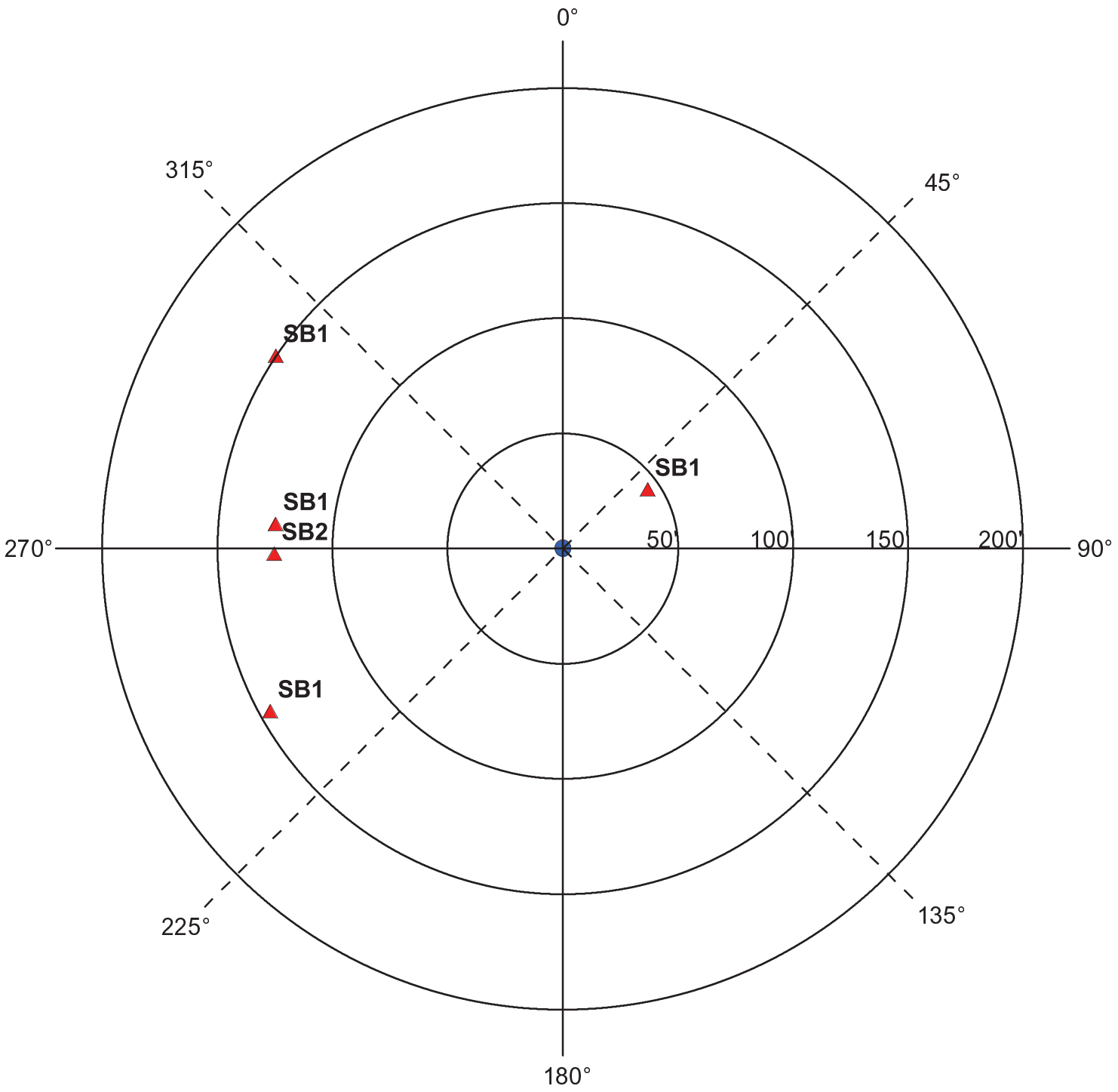
PWS ID / FACILITY ID	1700001 S02	UNIQUE WELL NO.	201245

SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.

Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.



	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?			
Is the system monitoring existing nonconforming sources of contamination?			

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Hoerr, Robyn	DATE	7 - 31 - 2013

PWS ID / FACILITY ID	1700001 S02	UNIQUE WELL NO.	201245

RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
Any sewer lines that are observed to be leaking, cracked, or deteriorated, should be replaced.		

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

City of Belle Plaine, MN Wellhead Protection Plan Potential Contaminant Source Inventory

CWI - LOCATED WELLS IN DWSMA

PCSI_ID	PIN	FAC_NAME	ADDRESS	CITY	ZIP5_CODE	PCS_C	STATUS_C	MAT_C	FAC_CODE	PROGRAM_ID	TOTAL	COMMENT
1	200870010	BELLE PLAINE 4	801 PRAIRIE ST	BELLE PLAINE	56011	WEL	A	X100	6000	651697	1	Located Well. High DWSMA Vulnerability
2	200870010	BELLE PLAINE 3	801 PRAIRIE ST	BELLE PLAINE	56011	WEL	A	X100	6000	538038	1	Located Well. High DWSMA Vulnerability
3	19080072	SIEMON, TERRY & NANCY; SIEMON MARK R	10721 230 ST W	BELLE PLAINE	56011	WEL	A	X100	1100-01	573146	1	Located Well. High DWSMA Vulnerability
4	19050060	JANSMA SUZANNE	10705 225 ST W	BELLE PLAINE	56011	WEL	A	X100	1100-01		1	Located Well through well questionnaire. High DWSMA Vulnerability
5	19050160	JONES HAZEL A & HAZEL JONES RE; TOWNSEND C EDWARD	10306 230 ST W	BELLE PLAINE	56011	WEL	A	X100	9000		1	Located Well through well questionnaire. High DWSMA Vulnerability
6	209050010	MICHAEL SPELLACY/BUESGENS JANIS A	10975 225 ST W	BELLE PLAINE	56012	WEL	A	X100	1100-01		1	Well disclosure form does not specify location, so this was located to best of City's knowledge. High DWSMA Vulnerability
7	19070022	SCHAFFLER SCOTT A & JILL	23800 LAREDO AVE	BELLE PLAINE	56011	WEL	A	X100	1100-01	488668	1	Located Well. Moderate DWSMA Vulnerability
8	10440010	STIER, ELMER; STIER HERITAGE FARM LP	23580 LAREDO AVE	BELLE PLAINE	56011	WEL	A	X100	9000	626321	1	Located Well. Moderate DWSMA Vulnerability
9	19070021	STIER, DALE; VALLEY VIEW GOLF CLUB LLC	23795 LAREDO AVE	BELLE PLAINE	56011	WEL	A	X100	5000	130791	1	Located Well, moved per PCSI but still on same parcel. Moderate DWSMA Vulnerability. Golf course - fills nearby pond and water from pond is used for irrigation. Golf course is closed.
10	200440320	WALERIUS, JOHN; MEADE JAYMIE L JANICE WALERIUS. John and Jan Walerius	1201 SOUTH ST E	BELLE PLAINE	56011	WEL	A	X100	1100-01	451162	1	Located Well. Moderate DWSMA Vulnerability
11	200610380	STIER, DALE E; LENKER BRIAN W	817 ORCHARD CIR	BELLE PLAINE	56011	WEL	A	X100	1100-01	469306	1	Formerly unlocated well that was located during PCSI. Moderate DWSMA Vulnerability
12	19070042	TIETZ, JOHN; TIETZ CAROL A	24025 HICKORY BLVD	BELLE PLAINE	56011	WEL	A	X100	1000	102298	1	Located Well. Low DWSMA Vulnerability
13	19080071	SIEMON, MARVIN	921 HICKORY BLVD S	BELLE PLAINE	56011	WEL	A	X100	1000	526672	1	Located Well. Low DWSMA Vulnerability
14	10070020	HARTMAN JOSEPH R & KATHY L	11525 SUSAN LN	BELLE PLAINE	56011	WEL	A	X100	1000	666275	1	Located Well. Low DWSMA Vulnerability
15	10070010	HAGEN SCOTT S & DEBORAH M	11505 SUSAN LN	BELLE PLAINE	56011	WEL	A	X100	1000	676895	1	Located Well. Low DWSMA Vulnerability
16	10190010	BUEGENS, LESLIE; CORBITT CURT	24135 LAREDO AVE	BELLE PLAINE	56011	WEL	A	X100	1000	625572	1	Located Well. Low DWSMA Vulnerability
17	10070040	DALE E & M SUSAN STIER	11510 SUSAN LN	BELLE PLAINE	56011	WEL	A	X100	1000	647239	1	Located Well. Low DWSMA Vulnerability
18	19070040	VALLEY VIEW GOLF CLUB 1	23795 LAREDO AVE	BELLE PLAINE	56011	WEL	A	X100	5000	249595	1	Located Well. Low DWSMA Vulnerability. Golf course is closed.
19	10070030	KYES, CORY; DALE E & M SUSAN STIER LIVING	11510 SUSAN LN	BELLE PLAINE	56011	WEL	A	X100	1000	677931	1	Located Well. Low DWSMA Vulnerability
20	19070041	ROBERSON, JOHN; BAILEY JOHN M & JOYCE	24075 HICKORY BLVD	BELLE PLAINE	56011	WEL	A	X100	1000	129154	1	Located Well. Low DWSMA Vulnerability
21	19180031	GATZ, WILLIAM A.	24205 LAREDO AVE	BELLE PLAINE	56011	WEL	A	X100	1000	552206	1	Located Well. Low DWSMA Vulnerability
22	19070011	JOHN L & MARY STIER	23751 HICKORY BLV	BELLE PLAINE	56011	WEL	A	X100	1000	483001	1	Located Well. Low DWSMA Vulnerability
23	18010010	EDIGER, PAT; KOEPP WAYNE	24060 HICKORY BLV	BELLE PLAINE	56011	WEL	A	X100	1000	215797	1	Located Well. Low DWSMA Vulnerability
24	19080040	ANDERSON LORI A	10111 IAGO BLVD	BELLE PLAINE	56011	WEL	A	X100	1000		1	Located Well through well questionnaire. Low DWSMA Vulnerability
25	209080031	SIEMON, MARK; KT REAL ESTATE HOLDING LLC; Keith Terry Siemon	10685 230 ST W	BELLE PLAINE	56011	WEL	A	X100	1000	758224	1	Formerly unlocated well that was located/moved during PCSI and well questionnaire. Low DWSMA Vulnerability
26	10310040	Paul Frederichs	23384 Bluff Ct	BELLE PLAINE	56011	WEL	A	X100	1000		1	Well disclosure form well, so this was located to best of City's knowledge. Low DWSMA Vulnerability
27	209080040	TDR, LLC/MCCUE WILLIAM M & LYNETTE M	23375 Kitson Bl	BELLE PLAINE	56011	WEL	A	X100	1000		1	Well disclosure form well, so this was located to best of City's knowledge. Low DWSMA Vulnerability

MDA SITES IN DWSMA

PCSI_ID	PIN	FAC_NAME	ADDRESS	CITY	ZIP5_CODE	PCS_C	STATUS_C	MAT_C	FAC_CODE	PROGRAM_ID	TOTAL	COMMENT
28	In ROW	BELLE PLAINE COOP	500 SCOTT CIRCLE	BELLE PLAINE	56011	SPL	C	C330	2122/2123	CF-8952	1	MDA Site. Moderate DWSMA Vulnerability

MPCA-LISTED HAZARDOUS WASTE INTEREST SITES

PCSI_ID	PIN	FAC_NAME	ADDRESS	CITY	ZIP5_CODE	PCS_C	STATUS_C	MAT_C	FAC_CODE	PROGRAM_ID	TOTAL	COMMENT
29	200030070	Toms Body Works	727 E Main St	Belle Plaine	56011	HWG	A	S000	2110-01	MND981197304	1	High DWSMA Vulnerability. Hazardous Waste, Small to Minimal QG
30	200940010	Coborn's Market (Pharmacy 2042)	1010 Enterprise Dr	Belle Plaine	56011	HWG	A	C000	2000	MNS000174037	1	High DWSMA Vulnerability. Hazardous Waste, Small to Minimal QG http://cf.pca.state.mn.us/wimn/siteInfo.cfm?siteid=58306022
31	200940010	Coborn's Market	1010 Enterprise Dr	Belle Plaine	56011	AST	A	F000	2116	125476	1	High DWSMA Vulnerability. Tank Site http://cf.pca.state.mn.us/wimn/siteInfo.cfm?siteid=58306022
32	200940010	Coborn's Superstore	1010 Enterprise Dr	Belle Plaine	56011	UST	A	F000	2116	125369	3	High DWSMA Vulnerability. Tank Site http://cf.pca.state.mn.us/wimn/siteInfo.cfm?siteid=58306022 Confirmed by response to well, septic and tank questionnaire that there are 3 underground tanks.
33	200910010	FabShop by Cambria Minnesota	805 Enterprise Dr	Belle Plaine	56011	HWG	A	S000	3320-01	MNRNE3B9M	1	High DWSMA Vulnerability. Industrial Stormwater Permit, No Exposure Exclusion
34	200030120	Plastech Corp/DAVIS FAMILY LLC	805 ENTERPRISE DR	Belle Plaine	56011	UST	R	F000	3000	4436	1	High DWSMA Vulnerability. Tank Site http://cf.pca.state.mn.us/wimn/siteInfo.cfm?siteid=64378
35	200030101	Progressive Printing & Graphics	809 E Main St Ste 1	Belle Plaine	56011	HWG	A	C000	3220-01	MNR000004572	1	High DWSMA Vulnerability. Hazardous Waste, Small to Minimal QG
36	200730010	Belle Plaine Chevrolet	909 Enterprise Dr	Belle Plaine	56011	HWG	A	F000	2110	MNS000110833	1	High DWSMA Vulnerability. Hazardous Waste, Small to Minimal QG http://cf.pca.state.mn.us/wimn/siteInfo.cfm?siteid=154595
37	200730010	Lupient Chevrolet/Buick of Belle	909 Enterprise Dr	Belle Plaine	56011	AST	A	F000	2110	123890	5	High DWSMA Vulnerability. Tank Site http://cf.pca.state.mn.us/wimn/siteInfo.cfm?siteid=154595
38	200030011	Belle Plaine Block and Tile Inc	130 S Ash St	Belle Plaine	56011	HWG	A	C000	3330-01	MNR05395R	1	High DWSMA Vulnerability. Industrial Stormwater Permit http://cf.pca.state.mn.us/wimn/siteInfo.cfm?siteid=70009982
39	200030090	One Commerce Plaza	835 E Commerce St	Belle Plaine	56011	LUST	C	S000	2110	17295	1	High DWSMA Vulnerability. Leak Site http://cf.pca.state.mn.us/wimn/siteInfo.cfm?siteid=54648844
40	19050160	Hazel Jones Farm	115 WEST ST S	Belle Plaine	56011	AFL	A	W520	9000	13987625	1	High DWSMA Vulnerability. Feedlot http://cf.pca.state.mn.us/wimn/siteInfo.cfm?siteid=108818

CITY IDENTIFIED HAZARDOUS WASTE INTEREST SITES

PCSI_ID	PIN	FAC_NAME	ADDRESS	CITY	ZIP5_CODE	PCS_C	STATUS_C	MAT_C	FAC_CODE	PROGRAM_ID	TOTAL	COMMENT
41		Agricultural fertilizer use/manure spreading				SCC	A	A000	9000		1	High DWSMA Vulnerability. Not shown as a point on the PCSI map because there are multiple parcels.
42	200440320	MEADE JAYMIE L JANICE WALERIUS	1201 SOUTH ST E	BELLE PLAINE	56011	UST	A	F000	1100-01		1	Moderate DWSMA Vulnerability. One 560 gallon underground heating oil

SSTS IN DWSMA

PCSI_ID	PIN	FAC_NAME	ADDRESS	CITY	ZIP5_CODE	PCS_C	STATUS_C	MAT_C	FAC_CODE	PROGRAM_ID	TOTAL	COMMENT
43	19050060	JANSMA SUZANNE	10705 225 ST W	BELLE PLAINE	56011	WWDS	A	W810	1000-01		1	High DWSMA Vulnerability. SSTS in compliance
44	19080072	SIEMON MARK R	10721 230 ST W	BELLE PLAINE	56011	WWDS	A	W810	1000-01		1	High DWSMA Vulnerability. SSTS in compliance
45	19050160	JONES HAZEL A & HAZEL JONES RE	10306 230 ST W	BELLE PLAINE	56011	WWDS	A	W810	1000-01		1	High DWSMA Vulnerability

MPCA-LISTED HAZARDOUS WASTE INTEREST SITES

PCSI_ID	PIN	FAC_NAME	ADDRESS	CITY	ZIP5_CODE	PCS_C	STATUS_C	MAT_C	FAC_CODE	PROGRAM_ID	TOTAL	COMMENT
46	19070040	VALLEY VIEW GOLF COURSE	23795 LAREDO AVE	BELLE PLAINE	56011	INDW	I	W800	5000	MN-139-5W20-0004	1	Low DWSMA Vulnerability. Inactive Class V well - Vehicle wash water. Valley View Golf Course is closed. Valley View Golf Course has a vehicle maintenance facility with a shop floor drain that discharges to a septic system (MN-139-5W20-0004). This would be categorized as an industrial/commercial wastewater disposal system. In the EPA file, their last inspector update (5/12/2011) shows that the facility operator separated the area with the drain from the rest of the shop with a permanent berm. It also indicates that the operator was following BMPs to ensure only vehicle wash water was being discharged into the drain. The Class V wells are inventoried throughout a DWSMA, regardless of the vulnerability. This is due to an agreement between the EPA and the State of MN that said that, as part of WHP activities, Class V well locations will be inventoried in all DWSMAs. However, these land uses don't really present a risk to a public water supply in low vulnerable areas--and the type of class V well would dictate its relevance in moderate areas.

STORM PONDS

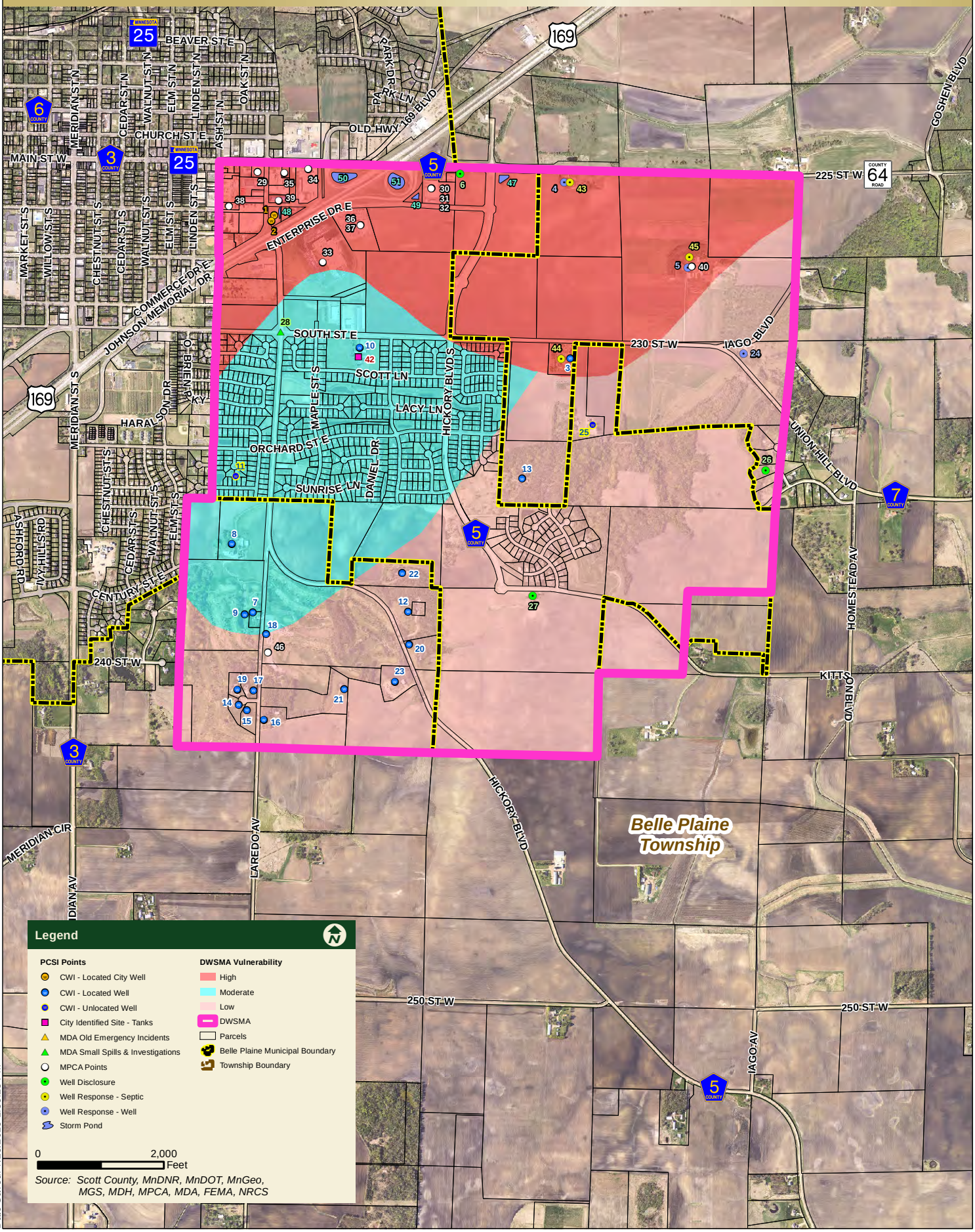
PCSI_ID	PIN	FAC_NAME	ADDRESS	CITY	ZIP5_CODE	PCS_C	STATUS_C	MAT_C	FAC_CODE	PROGRAM_ID	TOTAL	COMMENT
47	209050010	Hickory Blvd Pond	10975 225 ST W	BELLE PLAINE	56011	SWB	A	W900	4000		1	Stormwater pond. High DWSMA Vulnerability
48	200870010	DOT/City Joint Pond - Belle Plaine Transmission - Closed	801 PRAIRIE ST	BELLE PLAINE	56011	SWB	A	W900	4000		1	Stormwater pond. High DWSMA Vulnerability
49	200940030	Pond 200940030 - Outlot B		BELLE PLAINE	56011	SWB	A	W900	4000		1	Stormwater pond. High DWSMA Vulnerability
50	In ROW	DOT Pond 1		BELLE PLAINE	56011	SWB	A	W900	4000		1	Stormwater pond. High DWSMA Vulnerability
51	In ROW	DOT Pond 2		BELLE PLAINE	56011	SWB	A	W900	4000		1	Stormwater pond. High DWSMA Vulnerability

Wellhead Protection Plan

City of Belle Plaine

Potential Contaminant Sources

July, 2015



Map Document: \\arcserver1\GIS\BELL\M15106023\ESRI\Maps\106023_PotentialContaminantSources_85x11.mxd
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APPENDIX IV

CONTINGENCY STRATEGY

Appendix IV contains the contingency strategy to provide for an alternate water supply if there is a disruption caused by contamination or mechanical failure. This part of the plan is discussed in Chapter 11.

WATER SUPPLY CONTINGENCY PLAN

City of Belle Plaine, MN

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D. ALTERNATIVE WATER SUPPLY OPTIONS -
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3. System Interconnects -
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Annual Plan Review

Date Reviewed	Reviewer	Comments

Plan Distribution

Person	Organization	Plan Location

Prepared By: ____Bolton & Menk, Inc. and City Staff_____

Date Approved: ___5/11/15_____

A. PURPOSE

The purpose of this Contingency Plan is to establish, provide and keep updated, certain emergency response procedures and information for the public water supply system (City of Belle Plaine, MN) which may become vital in the event of a partial or total loss of public water supply services as a result of natural disaster, chemical contamination, civil disorder or human-caused disruptions.

B. PUBLIC WATER SUPPLY CHARACTERISTICS

1. Current Supply Source -

	Well Number 3	Well Number 4	Well Number 1 West Well
Unique Number	538038	651697	201245
Use/Status*	P	P	E
Supply Source	QBAA	QBAA	QBAA
Well Depth (ft.)	330	331	280
Casing Diameter (in.)	24x18	24x18	16
Casing Depth (in.)	239	245	261
Latitude of Well	44.6203	44.6206	44.6195
Longitude of Well	-93.7562	-93.756	-93.7605
Maximum Withdrawal 2008-2012 (MGY)	112.4	152.6	N/A
Future Pumping Rate(MGY)**	114.6	155.7	0

* P = Primary Water Supply Well E = Emergency Backup Well
**Future pumping rate estimated by City is the 2008-2012 maximum plus 2%
QBAA = Quaternary age sand and gravel (Quaternary Buried Artesian Aquifer)

2. Treatment -
The treatment facility was built in 2007 and has been designed to remove iron and manganese from the raw water as well as chlorinate and fluoridate the water to enhance public health. The treatment facility is designed to accommodate the addition of reverse osmosis treatment if needed in the future.

3. Storage and Distribution -
2 – 400,000 gallon elevated storage tanks
1 – 500,000 gallon ground storage tank
1 – booster station

4. Maps/Plans -
Maps and plans for the City's water system, and other utilities, are stored on-site at City Hall and the City maintenance garage. Off-site storage of maps and plans is provided by the City Engineer, Bolton & Menk, Mankato, MN.

C. PRIORITY OF WATER USERS DURING WATER SUPPLY EMERGENCY

Table C-1 - Water Use Priority Grouping

Priority Group and Rank
Residential--#1
Institutional--#2
Commercial--#3
Industrial--#4
Irrigation--#5
Unaccounted
Wholesale

Triggers for implementing water supply reduction/allocation procedures:

Unnecessary water use would be curtailed and water rationing imposed if current wells were not able to maintain adequate storage in elevated tanks. City staff and police department will notify residents of needed water rationing measures.

D. ALTERNATIVE WATER SUPPLY OPTIONS

1. Surface water sources and treatment needs.
   The City could utilize temporary surface water treatment facilities of the Army National Guard to supply bottled drinking water from the Minnesota River. The County Sheriff must coordinate requests for emergency equipment and help.

2. Emergency treatment of water system.

   The City's water treatment plant was designed for quick installation of a reverse osmosis treatment system. If contaminant levels warrant it, this will be installed.

E. INVENTORY OF AVAILABLE EMERGENCY EQUIPMENT AND MATERIALS

Table E-1 contains a list of services, equipment and supplies that are available to the public water supply system to respond to a disruption in the water system. It is believed that the items contained in Table E-1 would be adequate to respond to most (if not all) water system emergencies.

Table E-1

Description	Owner	Telephone	Location	Acquisition Time
Well Repair	Thein	800-450-8000	Monticello, MN	2 hours
Pump Repair	Thein	800-450-8000	Monticello, MN	2 hours
Electrician	Gregory Electric	952-873-5563	Belle Plaine, MN	2 hours
Plumber	Lange's P & H	952-873-2730	Belle Plaine, MN	2 hours
Backhoe	Chard Tiling	952-873-6152	Belle Plaine, MN	1 hour
Chemical Feed	Hawkins	800-328-5460	Rosemount, MN	4 hours
Meter Repair	City / NA	---	---	---
Generator	Ziegler	800-352-2812	Burnsville, MN	2 hours
Valves	Chard Tiling	952-873-6152	Belle Plaine, MN	1 hour
Pipe & Fittings	Chard Tiling	952-873-6152	Belle Plaine, MN	1 hour

See Table G-1 for additional resources.

F. EMERGENCY IDENTIFICATION PROCEDURES

Table F-1 Procedural Operations

Incident	Responsible Party	Address	Telephone No.(s)
Identify Disruption	Primary: Al Fahey Alt: Holly Kreft	Public Works: 891 Diversified Drive Belle Plaine, MN 56011 City Hall: 218 North Meridian Street P.O. Box 129 Belle Plaine, MN 56011-0129	Public Works: 952-873-6742 City Hall: 952-873-5553 ext 5498
Notify Response Personnel (Coordinator)	Primary: Al Fahey Alt: Holly Kreft	Public Works: 891 Diversified Drive Belle Plaine, MN 56011 City Hall: 218 North Meridian Street P.O. Box 129 Belle Plaine, MN 56011-0129	Public Works: 952-873-6742 City Hall: 952-873-5553 ext 5498
Identify Incident Direction and Control	Primary: Al Fahey Alt: Holly Kreft	Public Works: 891 Diversified Drive Belle Plaine, MN 56011 City Hall: 218 North Meridian Street P.O. Box 129 Belle Plaine, MN 56011-0129	Public Works: 952-873-6742 City Hall: 952-873-5553 ext 5498
Identify Internal Communication	Primary: Holly Kreft Alt: Al Fahey	City Hall: 218 North Meridian Street P.O. Box 129 Belle Plaine, MN 56011-0129 Public Works: 891 Diversified Drive Belle Plaine, MN 56011	City Hall: 952-873-5553 ext 5498 Public Works: 952-873-6742
Inform Public	Primary: Holly Kreft Alt: Al Fahey	City Hall: 218 North Meridian Street P.O. Box 129 Belle Plaine, MN 56011-0129 Public Works: 891 Diversified Drive Belle Plaine, MN 56011	City Hall: 952-873-5553 ext 5498 Public Works: 952-873-6742
Assess Incident on Continual Basis	Primary: Holly Kreft Alt: Al Fahey	City Hall: 218 North Meridian Street P.O. Box 129 Belle Plaine, MN 56011-0129 Public Works: 891 Diversified Drive Belle Plaine, MN 56011	City Hall: 952-873-5553 ext 5498 Public Works: 952-873-6742
Assess Contamination Disruption	Primary: Al Fahey Alt: Holly Kreft	Public Works: 891 Diversified Drive Belle Plaine, MN 56011 City Hall: 218 North Meridian Street P.O. Box 129 Belle Plaine, MN 56011-0129	Public Works: 952-873-6742 City Hall: 952-873-5553 ext 5498
Assess Mechanical Disruption	Primary: Al Fahey Alt: Holly Kreft	Public Works: 891 Diversified Drive Belle Plaine, MN 56011 City Hall: 218 North Meridian Street	Public Works: 952-873-6742 City Hall: 952-873-5553 ext 5498

		P.O. Box 129 Belle Plaine, MN 56011-0129	
Provide Alternate Water Supply	Primary: Al Fahey Alt: Holly Kreft	Public Works: 891 Diversified Drive Belle Plaine, MN 56011 City Hall: 218 North Meridian Street P.O. Box 129 Belle Plaine, MN 56011-0129	Public Works: 952-873-6742 City Hall: 952-873-5553 ext 5498
Impose Water Use Restrictions	Primary: Al Fahey Alt: Holly Kreft	Public Works: 891 Diversified Drive Belle Plaine, MN 56011 City Hall: 218 North Meridian Street P.O. Box 129 Belle Plaine, MN 56011-0129	Public Works: 952-873-6742 City Hall: 952-873-5553 ext 5498

G. NOTIFICATION PROCEDURES

1. Agency Notification

Table G-1 contains the names and telephone numbers for contacts at various local and state agencies that may be notified in the event of a public water supply system emergency. Based on the nature of the emergency and the information available, various representatives from this listing will be selected by the response coordinator to be part of the ***emergency oversight committee,*** which will then meet throughout the duration of the emergency to aid in decision-making and positive outcomes.

Table G-1

Personnel	Name	Cell Telephone	Work Telephone
Mayor/Board Chair	Mike Pingalore		952-873-3039
Council Members	Scott Schneider		952-873-6340
Council Members	Paul Chard		952-873-4568
Council Members	Cary Coop		952-873-6498
Council Members	Gary Trost		952-873-6588
Response Coordinator	Al Fahey		952-873-6742
Alt. Response Coordinator	Holly Kreft		952-873-5553 ext 5498
State Incident Duty Officer		651-649-5451	1-800-422-0798
County Emergency Director	Chris Weldon		952-496-8381
Fire Chief	Matt Stier, Steve Otto or Brian Siekmann		952-873-6820
Sheriff	Kevin Studnicka		952-445-1411
Police Chief	Tom Stolee		952-873-4307
System Operator	Mark Herd		952-873-6742
Alt. System Operator	Jerry Connolly		
School Superintendent	Kelly D. Smith		952-873-2400
Ambulance	Doug Sweeney – Ridgeview Medical		952-873-4506
Hospital	St. Francis Regional Medical Center, Shakopee		952-428-3000
Doctor or Medical Facility	Belle Plaine Clinic		(952) 873-2276
Power Company	Xcel Energy		800-895-1999
Power Company	MN Valley Electric Cooperative		952-492-8255
Natural Gas Company	CenterPoint Energy		800-895-2999
Highway Department	Scott County Highway Dept		952-445-7750
Telephone Company	Frontier Communication		800-921-8104
Neighboring Water System	City of Jordan, Scott Haas		952-492-2535
MPCA Groundwater Division	Byron Adams		651-757-2180
MRWA Technical Services	Robyn Hoerr	(218) 821-5028	(800) 367-6792
MDH District Engineer	Amy Lynch		507-344-2713
MDH Source Water Protection	Karen Voz		320-223-7322

2. Critical Response Personnel

Table G-2

Title	Name	Address	Telephone
Response Coordinator	Al Fahey	Public Works: 891 Diversified Drive Belle Plaine, MN 56011	Public Works: 952-873-6742
Alternate Response Coordinator	Holly Kreft	City Hall: 218 North Meridian Street P.O. Box 129 Belle Plaine, MN 56011-0129	City Hall: 952-873-5553 ext 5498

3. Public Information Plan

a) Public relations center:
City of Belle Plaine
218 North Meridian Street
P.O. Box 129
Belle Plaine, MN 56011-0129
952-873-5553 ext 5498
hkreft@ci.belleplaine.mn.us

Public information center location during emergency: City Hall

Times available: 8 am to 4:30 pm, and as needed

b) Information checklist to be conveyed to the public and media:

Name of water system: City of Belle Plaine

Contaminant of concern and date:

Source of contamination:

Public health hazard:

Steps the public can take:

Steps the water system is taking:

Other information:

c) Media contacts

Media	Name	Telephone	Address
Newspaper	Belle Plaine Herald	952-873-2261	113 East Main Street, Belle Plaine, MN 56011
Television	KMSP-TV	952-944-9999	11358 Viking Drive, Eden

			Prairie, MN 55344
Television	WCCO-TV	612-339-4444	Nicollet Mall, 90 South 11th Street, Minneapolis, MN 55403
Television	KARE 11	763-546-1111	8811 Minnesota 55, Golden Valley, MN 55427
Radio	KCHK - KRDS Radio	952-758-2570	New Prague, MN 56071

H. MITIGATION AND CONSERVATION PLAN

1. Mitigation

   a. Infrastructure maintenance/upgrades/maps:
      - Updates as needed

   b. Regular inspection of tower, well(s), pump house:
      - City maintenance staff inspects wells, pumphouses and treatment systems daily
      - Towers inspected and maintained each two year interval

   c. Staff emergency training:
      - Staff undergoes regular safety training

   d. System security analysis:
      - Access points to the wells and water towers are locked, preventing public access

   e. Site new backup well(s):
      - City owns and maintains one emergency back-up well: City Well 1 – West Well

   f. System valving to isolate problems:
      - City water distribution system is valved, allowing isolation of small portions of the service area in times of emergency or repair.

   g. Sanitation procedures for construction/repairs:
      - Water supply system is routinely chlorinated after all service or repairs.

2. Conservation

   a. Water meters:
      - Meters on all service connections, with exception of city-owned properties.
      - All new meters installed within last five years.
      - Meters are checked quarterly by City maintenance staff and repaired or replaced as needed.

   b. Public education:
      - City places water conservation posters on City Hall bulletin board.

   c. Rate structure:

- From and after hookup of any premises to the City water system, the owner or owners of said premises shall pay for water used each month at rates fixed by ordinance of the City Council, and any rates so established may be amended at any time by duly adopted ordinance of the City Council.
- Water rates were adjusted within the past 3 years and are reviewed every five years, or as needed.

APPENDIX V

SUPPORTING INFORMATION

Appendix V contains the supporting data.

2013 CONSUMER CONFIDENCE REPORT

City of Belle Plaine

2013 Drinking Water Report - Consumer Confidence Report

The City of Belle Plaine is issuing the results of monitoring done on its drinking water for the period from January 1 to December 31, 2013. The purpose of this report is to advance consumers' understanding of drinking water and heighten awareness of the need to protect precious water resources.

Source of Water

The City of Belle Plaine provides drinking water to its residents from a groundwater source: two wells ranging from 330 to 331 feet deep, that draw water from the Quaternary Buried Unconfined aquifer.

The water provided to customers may meet drinking water standards, but the Minnesota Department of Health has also made a determination as to how vulnerable the source of water may be to future contamination incidents. If you wish to obtain the entire source water assessment regarding your drinking water, please call 651-201-4700 or 1-800-818-9318 (and press 5) during normal business hours. Also, you can view it on line at www.health.state.mn.us/divs/eh/water/swp/swa.

Call 952-873-6742 if you have questions about the City of Belle Plaine drinking water or would like information about opportunities for public participation in decisions that may affect the quality of the water.

Results of Monitoring

No contaminants were detected at levels that violated federal drinking water standards. However, some contaminants were detected in trace amounts that were below legal limits. The table that follows shows the contaminants that were detected in trace amounts last year. (Some contaminants are sampled less frequently than once a year; as a result, not all contaminants were sampled for in 2013. If any of these contaminants were detected the last time they were sampled for, they are included in the table along with the date that the detection occurred.)

Key to abbreviations:

MCLG – Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MCL – Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MRDL – Maximum Residual Disinfectant Level.

MRDLG – Maximum Residual Disinfectant Level Goal.

AL – Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirement which a water system must follow.

90th Percentile Level – This is the value obtained after disregarding 10 percent of the samples taken that had the highest levels. (For example, in a situation in which 10 samples were taken, the 90th percentile level is determined by disregarding the highest result, which represents 10 percent of the samples.) Note: In situations in which only 5 samples are taken, the average of the two with the highest levels is taken to determine the 90th percentile level.

pCi/l – PicoCuries per liter (a measure of radioactivity)

ppm – Parts per million, which can also be expressed as milligrams per liter (mg/L).

ppb – Parts per billion, which can also be expressed as micrograms per liter (µg/l).

N/A – Not Applicable (does not apply).

Contaminant (units)	MCLG	MCL	Level Found		Typical Source of Contaminant
			Range (2013)	Average/Result*	
Alpha Emitters (pCi/l)	0	15.4	N/A	6.3	Erosion of natural deposits.
Barium (ppm) (10/14/2009)	2	2	N/A	.13	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Combined Radium (pCi/l)	0	5.4	N/A	.77	Erosion of natural deposits.
Fluoride (ppm)	4	4	.93-1.2	1.15	State of Minnesota requires all municipal water systems to add fluoride to the drinking water to promote strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories.
Haloacetic Acids (HAA5) (ppb)	0	60	3.5-4.7	4.7	By-product of drinking water disinfection.
Nitrate (as Nitrogen) (ppm)	10.4	10.4	N/A	3.1	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Selenium (ppb) (10/14/2009)	50	50	N/A	8.98	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
TTHM (Total trihalomethanes) (ppb)	0	80	16.8-26.2	26.2	By-product of drinking water disinfection.

*This is the value used to determine compliance with federal standards. It sometimes is the highest value detected and sometimes is an average of all the detected values. If it is an average, it may contain sampling results from the previous year.

Contaminant (units)	MRDLG	MRDL	****	*****	Typical Source of Contaminant
Chlorine (ppm)	4	4	.28-.53	.41	Water additive used to control microbes.

****Highest and Lowest Monthly Average.

*****Highest Quarterly Average.

Contaminant (units)	MCLG	AL	90% Level	# sites over AL	Typical Source of Contaminant

Copper (ppm) (07/12/2011)	1.3	1.3	.41	0 out of 20	Corrosion of household plumbing systems; Erosion of natural deposits.
Lead (ppb) (07/12/2011)	0	15	1.8	0 out of 20	Corrosion of household plumbing systems; Erosion of natural deposits.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. City of Belle Plaine is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When you water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

Monitoring may have been done for additional contaminants that do not have MCLs established for them and are not required to be monitored under the Safe Drinking Water Act. Results may be available by calling 651-201-4700 or 1-800-818-9318 during normal business hours.

Compliance with National Primary Drinking Water Regulations

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (EPA) prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1 800 426 4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline at 1 800 426 4791.

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CLASS V WELLS

STATEMENT

On November 21, 2014, Robyn Hoerr, Minnesota Rural Water Association, provided a list of the potentially active Class V wells for Scott County from the EPA Region 5 UIC database. This list was compared to the DWSMA, and there is one active Class V well within the DWSMA: MN-139-5W20-0004, at the Valley View Golf Course, 23795 Laredo Avenue, Belle Plaine, MN 56011.

Further research found the following information regarding this well: Currently, the Valley View Golf Course is closed. Valley View Golf Course has a vehicle maintenance facility with a shop floor drain that discharges to a septic system (MN-139-5W20-0004). This would be categorized as an industrial/commercial wastewater disposal system. In the EPA file, their last inspector update (5/12/2011) shows that the facility operator separated the area with the drain from the rest of the shop with a permanent berm. It also indicates that the operator was following BMPs to ensure only vehicle wash water was being discharged into the drain.