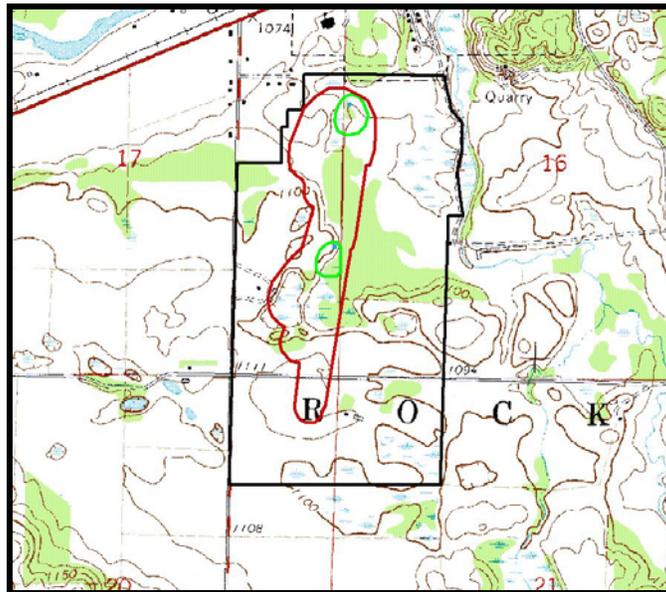


City of  
**Rockville, Minnesota**

# WELLHEAD PROTECTION PLAN



City of Rockville, MN  
Wellhead Protection Area

## Part 2

- **Potential Contaminant Source Inventory**
- **Potential Contaminant Source Management Strategy**
- **Evaluation Plan**
- **Emergency/Conservation Plan**

March 2002

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## WATER SUPPLY PROFILE

### 1. Public Water Supply

City of Rockville, Minnesota  
P.O. Box 93  
Rockville, Minnesota 56369-0093  
Telephone: 320-251-5836  
Fax: 320-240-9620  
Email: [rockvillecity@cloudnet.com](mailto:rockvillecity@cloudnet.com)

### 2. Wellhead Protection Manager

Paul Hoeschen, Water Superintendent  
P.O. Box 400  
Rockville, Minnesota 56368  
Telephone: 320-685-3524  
Fax: 320-685-7891  
Email: [cswwtp@cloudnet.com](mailto:cswwtp@cloudnet.com)

### 3. Technical Assistance

Dave Neiman, Resource Specialist  
Minnesota Rural Water Association  
Rt. 2 Box 29  
Elbow Lake, MN 56531  
Telephone: 218-820-0595  
Fax: 218-825-9483  
Email: [daven@brainerd.net](mailto:daven@brainerd.net)

### 4. General Information

Unique Well Numbers: 118132 (well #2), 595968 (well #3)  
Population Served: 749, 2000 US Census  
Metered Water Connections: 240  
Township: Rockville  
Sauk River Watershed District  
County: Stearns

### 5. Wellhead Protection Committee

Paul Hoeschen	Water Superintendent
Vince Schaefer	Mayor, Rockville City
Julie Zimmerman	Clerk/Treasurer, Rockville City
Gregory Bechtold	Stearns Co. Env. Services
Susan McGuire	Stearns County Water Plan Coordinator
Jerome Bechtold	Rockville Twp., Stearns SWCD
Aaron Meyer	Stearns SWCD
Kay Cook	Chain of Lakes
Jim Loecken	Sauk River Watershed District
Pierre Hansen	Agricultural Business
Dan Hansen	Agricultural Business

**6. Minnesota Department of Health Contact**

Mike Howe  
 Source Water Protection Planner  
 Minnesota Department of Health  
 3400 North First Street, Suite 305  
 St. Cloud, MN 56303  
 Telephone: (320) 255-4216  
 Fax: (320) 255-4264  
 Email: [mike.howe@health.state.mn.us](mailto:mike.howe@health.state.mn.us)

**DOCUMENTATION LIST**

<b>STEP</b>	<b>DATE PERFORMED</b>
<b>Scoping Meeting II Held: (4720.5349, subp. 1)</b>	<b>August 21, 2001</b>
<b>Scoping Decision Notice Received: (4720.5340, subp. 2)</b>	<b>September 17, 2001</b>
<b>Remaining Portion of Plan Submitted to Local Units of Government (LGU's): (4720.5350, subp. 1 &amp; 2)</b>	<b>January 15, 2002</b>
<b>Review Received From Local Units of Government: (4720.5350, subp. 2)</b>	<b>March 15, 2002</b>
<b>Review Considered: (4720.5350, subp. 3)</b>	<b>March 15, 2002</b>
<b>Public Hearing Conducted: (4720.5350, subp.4)</b>	<b>March 6, 2002</b>
<b>Remaining Portion WHP Plan Submitted: (4720.5360, subp. 1)</b>	<b>March 31, 2002</b>
<b>Approved Review Notice Received:</b>	
<b>Notice of Plan Implementation sent to LGU's:</b>	
<b>Date of WHP Plan Implementation</b>	

## **EXECUTIVE SUMMARY**

PART 1 of the Rockville WHP Plan contains the description of how the wellhead protection area was delineated, 2) the boundaries of the drinking water supply management area, 3) the assessment of well vulnerability, and 4) the assessment of aquifer vulnerability throughout the DWSMA. The first part of this plan was approved by the Minnesota Department of Health on July 13, 2001.

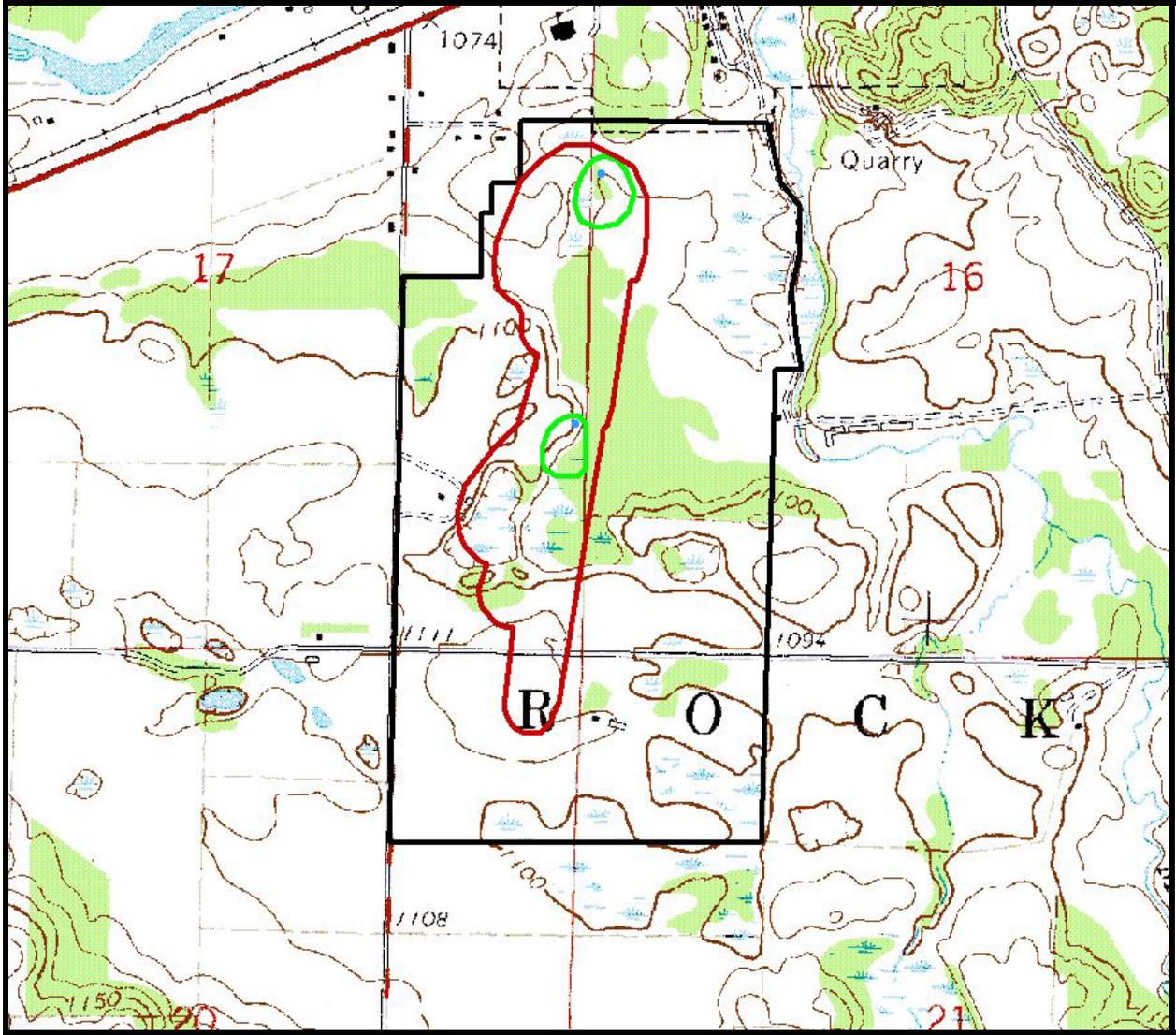
The vulnerability assessment of the drinking water supply management area (DWSMA) indicates that an effective confining layer of clay-rich till does not exist between the land surface and the aquifer. As a result, the aquifer that supplies the City of Rockville wells is vulnerable to contamination from normal land uses. The second scoping meeting held between the City and the Minnesota Department of Health on August 21, 2001, identified that the remainder of the wellhead protection plan for Rockville needs to focus on addressing most land use activities in the drinking water supply management area (See Appendix, Exhibit #3)

PART 2 of the wellhead protection plan for the City of Rockville presents:

- 1) The results of the inventory of potential contamination sources that was conducted throughout the drinking water supply management area, or DWSMA (Figure 1).
- 2) A plan for managing potential contaminant sources so they do not present a health risk to the people served by the city's public water supply system.
- 3) An evaluation plan to assess implementation effectiveness of the WHP Plan.
- 4) An emergency/contingency plan to assist the City in times when man-made conditions or natural disaster impact the water supply system.

The information and data contained in Chapters 1-4 of this WHP Plan provide support, and a basis, for the approaches taken in addressing the potential contaminate sources identified within the DWSMA. The reader is encouraged to concentrate attention on Chapters 1-4 in order to better understand why a particular management strategy is needed, or included, or not included, in Chapter 5.

It is the hope of the Wellhead Protection Committee, that members of the public will become more knowledgeable by understanding the information contained herein, and, further, they will be moved to take action in their individual daily lives to minimize potential problems with the quality of water currently enjoyed by residents of the greater Rockville community.



**Figure 1**

**Wellhead Protection Area & Drinking Water Supply Management Area  
City of Rockville, Minnesota**

**CHAPTER ONE**

# DATA ELEMENTS; ASSESSMENT (4720.5200)

## I. REQUIRED DATA ELEMENTS

### A. Physical Environment Data Elements

#### 1. Precipitation

Local precipitation elements were included in PART 1 of the Rockville WHP Plan. The vulnerable nature of the aquifer supplying the City's drinking water suggests that the aquifer must be protected from land surface activities. Local precipitation may conduct contaminants from the land surface to the aquifer and should be taken into consideration in the management of the DWSMA.

#### 2. Geology

Geologic data elements are included in PART 1 of this WHP Plan and are on file at the City and MDH. There exists some uncertainty regarding the accuracy of local geologic information. There is limited subsurface information available to describe the geology in the area. Therefore, opportunities to gather additional information should be encouraged and geological data refined in order to more accurately define the WHPA/DWSMA boundaries in future amendments of the Plan.

#### 3. Soils

As indicated in PART 1 of the WHP Plan, the aquifer is vulnerable to land surface uses and activities. Therefore, soil conditions may contribute to potential contamination of the aquifer. This Plan should consider the connection that exists between soils, land uses and water quality.

#### 4. Water Resources

There are no open surface water bodies within the DWSMA, however, sizable areas of wetland do occur. Because of the vulnerable nature of the aquifer, and the close proximity of Mill Creek, surface water implications must be addressed in the management strategies.

### B. Land Use Data Elements

#### 1. Land Use

A list of land parcels within the WHPA/DWSMA, and the property identification number for each parcel as assigned by the County, is on record at City Hall. Land use in the DWSMA is primarily agricultural, rural residential, urban residential and commercial (see Appendix, Exhibit #8, local land use map). The vulnerable nature of the aquifer lends it to become susceptible to contamination from normal human land surface uses.

## 2. Public Utility Services

Existing ground transportation corridors within the DWSMA may be seen on the DWSMA map, see page #7. Because the aquifer is vulnerable, management of spills and accident discharges will be addressed in the City's Emergency/Contingency Plan, see Chapter 7.

All storm sewers in the city, along with surface runoff, are directed to Mill Creek and local wetland areas. City utilities, water and wastewater, should have little, if any, impact on groundwater quality.

There is one (1) pipeline identified within the DWSMA. No public drainage systems have been identified within the DWSMA.

Driller logs for the City's wells were submitted to MDH with Part 1 of the WHP Plan.

## 3. Potential Contaminant Source Inventory

With the assistance of MDH staff, the City conducted an inventory of potential contaminant sources (PCSI) located within the DWSMA (see Appendix, Exhibit #2). The PCSI identified the following categories of potential contaminants:

- Other Wells
- On-site Sewage Treatment Systems
- Turf Management
- Agricultural land uses
- Storage Tanks
- Ground Transportation Corridors
- Storm Water Runoff
- Feedlots
- Mining/Quarries

## C. Water Quantity Data Elements

### 1. Surface Water Quantity

PART 1 of the Plan suggests that there is a connection between the aquifer and surface water resources within, or near, the DWSMA. Surface water quantity should be addressed in management strategies.

2. Groundwater Quantity

A listing of Data collected indicates there are no known wells covered by state groundwater appropriation permits and no state environmental boreholes located within the DWSMA. Data collected further indicates there are no known well interference problems or water-use conflicts in the area.

The addition of a new high-capacity well, or an increase in water appropriations for existing wells could affect the delineation of the WHPA/DWSMA and local vulnerability to contamination. Consideration of future wells must be included in management objectives.

D. Water Quality Data Elements

1. Surface Water Quality

The information contained in PART 1 of this WHP Plan indicates a connection with surface water bodies. Mill Creek water quality may ultimately impact aquifer water quality, due to the potential for a connection between these water sources.

2. Groundwater Quality

The following chart is a reproduction of a typical water quality sampling report from the City’s water supply wells, see also Appendix, Exhibit #9 for 2000 City Consumer Confidence Report.

pH	7.5
Total Alkalinity	250
Sulfate	61
Nitrate Nitrite	0.88
Chloride	4.3
Total Dissolved Solids	350
Sodium	8.4
Potassium	6.7
Lead	10
Iron	0.44
Hardness- Calcium	180
Hardness- Magnesium	89

Total Hardness	270
Arsenic	5

## II. ASSESSMENT OF DATA ELEMENTS

### A. Use of the Well

The community operates a public water supply system consisting of two (2) drilled wells (Well #2, unique# 118132, Well #3, unique #595968) approximately 38' - 50' deep, and two (2) elevated storage tanks with a total capacity of 200,000 gallons. The city water system provides drinking water to 240 metered service connections through appurtenant distribution mains, lines and services. Historic water usage over the past ten (10) years averages approximately 29 million gallons annually, with per capita use of approximately 100 gallons per day. A State licensed operator currently manages the water system.

### B. Wellhead Protection Area Delineation Criteria

Delineation of the Wellhead Protection Area (WHPA) and Drinking Water Supply Management Area (DWSMA) considered the following data elements:

- Time of Travel
- Flow Boundaries
- Daily Volume
- Ground Water Flow Field
- Aquifer Transmissivity

It is not anticipated that there will be any significant changes in this data that would affect the vulnerability or management of the City's wellhead protection area within the next 10 years.

Data utilized for modeling the WHPA is generally rather reliable with the exception of the values used for ambient groundwater flow angle and ambient hydraulic gradient. Because of the limited information available, general conclusions and assumptions were necessary. It is recommended that the City continue to collect area groundwater information in conjunction with other interested agencies and organizations. It is hoped that additional information gained in years to come will enable the City to reassess the WHPA deletion and make necessary adjustments to improve accuracy.

Additional information regarding the delineations may be found in PART 1 of this WHP Plan, copies of which are available for review at City Offices and at MDH Offices, St. Cloud, MN.

C. Quality and Quantity of Water Supplying the Public Water Supply Well

The city's wells pump an average of 80,000 gallons per day. This water meets or exceeds federal water quality standards. It does not appear from the data collected that water quality or quantity issues will have any significant impact on management of the WHPA.

D. The Land and Groundwater Uses in the Drinking Water Supply Management Area.

The land in the DWSMA is primarily used for normal community purposes including, residential, commercial and industrial uses, although a portion is also used for farming. Municipal and private wells extend into the protected aquifer. The water drawn from these wells is used primarily for drinking water. Data collected would indicate that impacts from land and groundwater uses in the DWSMA should have a direct affect on management strategies, due to the vulnerable nature of the aquifer.

## **CHAPTER TWO**

### **IMPACT OF CHANGES ON PUBLIC WATER SUPPLY WELL**

(4720.5220)

## I. CHANGES IDENTIFIED IN:

### A. Physical Environment

No major changes in the physical environment are anticipated during the 10-year WHP Plan time span. The State Highway #23 realignment project may cause concern resulting from changes in the physical environment related to: surface water flows, vegetative cover, and storm water runoff.

### B. Land Use

The City is experiencing some residential and rural residential subdivision of lands within the DWSMA, however, no plans have been submitted at the present time for large subdivisions of lands. The potential exists for continued change in land use from agricultural to residential for lands within the DWSMA. Portions of the DWSMA may be annexed into the City in the future, providing water and wastewater utility services to potential development areas. Realignment of State Highway #23 may cause changes in land use patterns along the new corridor, particularly in commercial use.

### C. Surface Water

There are no open surface water bodies within the DWSMA. Sizeable vegetated wetland areas do exist within the DWSMA, however, no major changes are expected, with the exception of impacts from the highway realignment project.

### D. Groundwater

Changes in groundwater quality and quantity are not anticipated.

## II. IMPACT OF CHANGES

### A. Expected Changes in Water Use

Anticipated changes in water use by the City and surrounding landowners was taken into account in the delineation of the WHPA/DWSMA and relate only to normal growth in residential land uses.

### B. Influence of Existing Water and Land Government Programs and Regulation

The City of Rockville, Rockville Township and Stearns County have existing land use ordinances that could be adapted in the future to control new land uses within the DWSMA. However, there is no discussion, or

intent, at this time of requiring additional regulations. The Stearns County Water Plan has identified the sealing of abandoned wells in the county as a priority item in its work plan and may be a source of assistance if unused wells are identified.

#### C. Administrative, Technical, and Financial Considerations

The City of Rockville appointed a Wellhead Protection Committee early in the process of developing a plan. Many of the activities during the planning process have been accomplished through efforts of this group, with assistance from current and future studies provided by other units of government. For this plan to be effective, the City will need to raise public awareness of the issues affecting its drinking water supply through public educational programs. Day to day administrative duties will remain with the Wellhead Protection Manager and committee. They will be responsible for reporting to the City Council, for coordinating implementation activities and conducting regular meetings. Many of the wellhead protection strategies developed by the Wellhead Protection Committee will be implemented by the committee, City staff, and various cooperating agencies under the direction of the Wellhead Protection Plan Manager. Along with funds from programs and cooperating agencies, the City has dedicated monies necessary to implement these activities.

## **CHAPTER THREE**

### **ISSUES, PROBLEMS, AND OPPORTUNITIES (4720.5230)**

## **I. LAND USE ISSUES, PROBLEMS, AND OPPORTUNITIES RELATED TO:**

### **A. The Aquifer**

The vulnerable aquifer, identified as the source of the City's water supply, appears to remain relatively affected by land use issues, including domestic and agricultural supply wells, septic systems, & agricultural land practices.

### **B. The Well Water**

The placement of an additional high capacity well in the DWSMA, or significant changes in current groundwater appropriations by existing wells, could have an important impact on the aquifer and local water supplies. These issues could also change the identified WHPA and DWSMA for existing City wells. The City will work with DNR and MDH to identify proposed high-capacity wells and provide interaction with the well owner to minimize problems.

It is not anticipated that there will be any significant increase in the number of private wells in the area, in fact, a decrease is possible if future annexation plans bring a number of the existing properties into the City. The City has sufficient capacity in the water supply system to provide water for any known uses in the next ten years.

### **C. The Drinking Water Supply Management Area**

The City's DWSMA is bounded in part by Rockville Township where local zoning issues are reviewed and determined by the Township Board. Rockville Township has an excellent Comprehensive Land Use Plan and welcomes input into local land use decisions from the City and adjoining land owners. Future land use changes may have impact on management of the WHPA/DWSMA, as land use changes from agricultural to residential and light commercial.

The City has an opportunity to have input into proposed land use changes by:

- Working with Rockville Township Planning & Zoning to ensure that future development will not impact the aquifer, well water or DWSMA
- Cooperate with Stearns County on land use issues that may impact local water quality and provide input to future revisions to the County's Comprehensive Land Use Plan.
- Require the use of BMP's on any proposed development areas
- Carefully review and comment on proposed land use changes

- Utilize existing City Zoning Ordinance language to guide development of DWSMA land currently within City control

## II. IDENTIFICATION OF:

### A. Problems and Opportunities Disclosed at Public Meetings and in Written Comment

Issues identified at the WHP Committee meetings center around the need for a sound public education program in order to help the residents and general public understand the issues facing the City's attempt to protect its water quality.

The general public has expressed concerns at public meetings. In general, the comments have been directed at the impact the WHP Plan will have on local land owners, land values, expansion of existing agricultural land uses and the impact the existing pipeline may have. See Appendix, Exhibit #5, minutes and comments from public meetings.

### B. Data Elements

The State's Wellhead Protection Rule requires that existing information be utilized in developing the initial Wellhead Protection Plan. Much of the data collected and utilized to delineate the City's WHPA and DWSMA and to determine the vulnerability of the aquifer to possible contamination, comes from large-scale, or regional, sources and is not localized for the immediate Rockville area. Although this issue, relative to data, could present concerns in the future, the WHP Committee feels that the existing information and data is relatively accurate.

The City plans to continue to collect localized well and groundwater data, including isotope sampling, groundwater elevations and other pertinent information during the life of this WHP Plan. Revisions will be made to the WHP Plan at ten-year intervals, as required by State Rule, utilizing updated and more accurate data.

With the assistance of MDH and MRWA staff, the City conducted an inventory of potential contaminant sources (PCSI) located within the DWSMA (see Appendix, Exhibit #2). The PCSI identified the following categories of potential contaminants:

- Other Wells
- On-site Sewage Treatment Systems
- Feedlots
- Tanks

- Mining/Quarry Operations
- Turf Management
- Transportation Corridors
- Storm Water
- Ag Crops

### C. Status and Adequacy of Official Controls, Plans, and Other Local, State, and Federal Programs on Water Use and Land Use.

City land use ordinances, Township and County-wide zoning and sewer ordinances, state well permits and state groundwater appropriation permits could be used as control tools, if necessary. However, the WHP Committee has recommended that no additional regulations be imposed at this time, confident that local issues may be adequately addressed thru existing processes, including public education, adoption of best management practices and good communication with other land owners within the DWSMA.

The Stearns County Water Plan, also the SWCD plan, contains language and priority work items addressing water quality protection. The protection of groundwater resources as identified in the Stearns County Local Water Plan is very beneficial in protecting the aquifer used by the city. Formal recognition of the drinking water supply management area and coordination of strategies specifically directed at the drinking water supply management area would be desirable in future county water plan updates. Future County Water Plan revisions should be encouraged to contain specific language indicating that it could become a source of funding to help implement cost sharing projects, such as well sealing.

The Conservation Reserve Program is a tool that would reduce the intensity of land uses in the drinking water supply management area for the City of Rockville. Continued availability of the Conservation Reserve Program would be a desirable option for management of this wellhead protection area.

The land use control authority in the DWSMA is in the hands of the City, Stearns County and Rockville Township. The City will recognize the drinking water supply management area in a comprehensive plan should one occur and in any zoning ordinance revision that may occur. The City will request that similar consideration be made by Rockville Township and Stearns County.

Due to the close proximity of the City to the neighboring communities of

Cold Spring and Richmond, who are also completing development of Wellhead Protection Plans, the potential exists for a cooperative implementation effort involving the three communities. The City is encouraged to pursue cooperative efforts of this nature.

## **CHAPTER FOUR**

### **WELLHEAD PROTECTION GOALS (4720.5240)**

**The overall GOAL of the City of Rockville Wellhead Protection Plan is to promote public health, economic development and community infrastructure by maintaining a potable drinking water supply for all residents of the community, both now and into the future.**

The city water supply is located underground and is classified as vulnerable. Consequently, this program will focus on managing most of the potential contaminant sources identified, in order to prevent possible well contamination.

The City has historically enjoyed a sufficient and safe water supply, and proposes, through the implementation of this WHP Plan, to continue supplying safe, potable water for its residents into the future.

The wellhead protection program will achieve these stated goals through existing and planned programs, such as:

- Public Education & Information
- Best Management Practices
- Well Programs
- Septic System Upgrades
- Hazardous Waste Collection Programs
- Agricultural and Turf Management
- Emergency Response Procedures

## **CHAPTER FIVE**

### **OBJECTIVES AND PLAN OF ACTION (4720.5250)**

#### **I. ESTABLISHING PRIORITIES**

The Rockville WHP Committee considered the following factors in developing priorities to address potential contaminant sources within the DWSMA:

- Contamination of the public water supply wells by substances that exceed federal drinking water standards
- Quantifiable levels of contamination resulting from human activity
- The location of potential contaminant sources relative to the well(s)
- The number of each potential contaminant source identified and the nature of the potential contaminant associated with each source
- The capability of the geologic material to absorb a contaminant
- The effectiveness of existing controls
- The time required to get cooperation from other agencies and cooperators
- The resources needed: staff, money, time, legal, technical

**POTENTIAL CONTAMINANT SOURCE INVENTORY**

POTENTIAL CONTAMINANT SOURCE	NUMBER
AGRICULTURAL RESIDENCE	8
NON-AG RESIDENCE	25
SEPTIC TANKS	24 estimated
WELLS - RESIDENTIAL	27estimated
WELLS – IRRIGATION	3
WELLS – CLASS 5	0
AG CHEMICAL SITES	0
BUSINESS COMMERCIAL SITES	0
QUARRY	2
TRANSPORTATION CORRIDORS - ROADS	Hwy #23, City, County & Township Roads
TRANSPORTATION CORRIDORS – GAS LINE	1
GRAVEL MINING	1
TANKS – LUST	2
HAZARDOUS WASTE GENERATORS	0
TURF MANAGEMENT SITES (LAWNS)	Approximately 20 Acres
AG CROP LAND	Approximately 120 Acres
FEEDLOTS	5

The WHP Team listed wellhead protection management issues in the following order of priority, with **A** being of the highest concern:

- A. Public Education
- B. Wells
- C. On-site Sewage Treatment Systems
- D. Feedlots

- E. Tanks
- F. Mining/Quarry
- G. Turf Management
- H. Transportation Corridors
- I. Storm Water
- J. Ag Crops
- K. Data Collection

**A. PUBLIC EDUCATION:**

**Objective A:** Work to establish a line of communication between the citizens and the city and use that line to educate the citizens of Rockville about how land use activities can impact local water quality.

- **WHP Measure A-1:** Install informational signs at the perimeter of the wellhead protection area on major roadway corridors to compliment signs to be located at treatment plant and well site.

**Source of Action:** City of Rockville

**Cooperator(s):** Rockville Youth Group, Boy Scouts, other civic organizations

**Time Frame:** Year 1 – Fall 2001

**Estimated Cost:** 10 signs @ \$25.00 each = \$250.00  
10 posts @ \$15.00 each = \$150.00

**Goal Achieved:** The private population becomes aware of the limits of the wellhead protection area and conscious of their actions within the protection area.

**WHP Measure A-2:** The City will develop and print a 3-fold informational brochure explaining the WHP Plan and it's purpose, to be distributed thru local outlets to citizens served by the water system and the general public.

**Source of Action:** City Wellhead Protection Team

**Cooperator(s):** MRWA

**Time Frame:** Immediately, repeated as needed

**Estimated Cost:** \$100

**Goal Achieved:** Citizens and customers become better informed about the City's Wellhead Protection Program, resulting in public acceptance and buy-in to the Plan, see Exhibit #6.

- **WHP Measure A-3:** Sponsor a program of water related presentations, to coincide with National Water Week, which will be given to students, parents and the public during open-house tours at the water and wastewater treatment plants.

**Source of Action:** City of Rockville Council, Staff and WHP Team

**Cooperator(s):** Local fourth grade teachers and students, Minnesota Rural Water Association, local businesses (lunch)

**Time Frame:** Annually

**Estimated Cost:** \$300

**Goal Achieved:** Teachers, students, parents and the general public population become more aware of the issues involved with protecting the City's water supply from contamination by human land-use activities.

- **WHP Measure A-4:** Develop presentation program materials that will assist anyone to easily speak about groundwater protection, citizen impacts on water quality and why the City is carrying out a WHP Plan. To be presented at Community Public Meetings, local service organizations, youth groups and churches.

**Source of Action:** City of Rockville WHP Team

**Cooperator(s):** MRWA, local citizens

**Time Frame:** Beginning Winter 2001, ongoing

**Estimated Cost:** \$100 for printed color overheads, speaker notes and loose-leaf notebook

**Goal Achieved:** The city becomes more flexible and capable of easily educating well owners and the population at large.

- **WHP Measure A-5:** Send a letter to Stearns County and Rockville Township regarding notification to the City of pending land use requests, in order to ensure that concerns regarding protection of the City's water supply are addressed in local land-use decisions. Provide input when adjacent governmental units are updating comprehensive land use plans, zoning ordinances and county water plans.

**Source of Action:** City of Rockville WHP Team

**Cooperator(s):** Stearns County Planning & Zoning, Rockville Township Zoning, local citizens

**Time Frame:** Beginning Spring 2002, ongoing

**Estimated Cost:** Limited to staff time

**Goal Achieved:** County and Township zoning decisions reflect measures to protect the City water supply.

- **WHP Measure A-6:** Develop a cooperative agreement with the City of Cold Spring, and its wellhead protection partners, and the City of Richmond, to explore the advantages of mutual efforts to implement local wellhead protection plans.

**Source of Action:** City of Rockville WHP Team

**Cooperator(s):** City of Cold Spring & WHP Partners, City of Richmond

**Time Frame:** Beginning Spring 2002, ongoing

**Estimated Cost:** Staff time

**Goal Achieved:** The city becomes more flexible and capable of implementing its wellhead protection management strategies.

## **B. OTHER WELLS**

**Objective B – 1:** Locate any missing or unknown wells

- **WHP Measure B1-1:** The city conducted a survey of existing wells during development of necessary data for this WHP Plan. Some wells may have been unidentified due to lack of well logs and/or other information. The City will continually attempt to locate other wells that could possibly threaten the city's water supply.

**Source of Action:** Rockville Water Department

**Cooperator(s):** Land owners

**Time Frame:** Ongoing

**Estimated Cost:** N/A

**Goal Achieved:** Information will be collected about the current number of private wells that pose a threat to city drinking water. This measure also allows for opportunity for a public education and awareness campaign.

**Objective B – 2:** Seal unused or abandoned wells

- **WHP Measure B2-1:** The city intends to help coordinate local efforts to properly seal unused wells. It will also attempt to obtain money from other sources to help ease the financial burden of private owners. (Exhibit #5)

**Source of Action:** Rockville WHP Team

**Cooperator(s):** Stearns County Water Plan, landowners

**Time Frame:** Beginning in the summer of 2002 and ongoing after that as needs arise.

**Estimated Cost:** Unknown, estimated at \$300-\$400 per well

**Goal Achieved:** Private well owners become more likely to properly seal their unused wells and the city becomes aware of changes in well status.

**Objective B – 3:** Raise well owner awareness and prevent contamination of City water supply via private wells.

- **WHP Measure B3-1:** City staff and members of the WHP Team will obtain and distribute brochures, describing proper well maintenance and operation, to private landowners.

**Source of Action:** City water department, WHP Team

**Cooperators:** Minnesota Department of Health, local well drillers

**Time Frame:** Immediately, Fall 2001

**Estimated Cost:** \$100

**Goal Achieved:** Private well owners will learn proper operation and maintenance of private wells, thereby reducing potential for contamination of City water supply.

**Objective B – 4:** Identify new private wells proposed for location within the WHPA/DWSMA.

- **WHP Measure B4-1:** City staff and members of the WHP Team will request that the County formally identify the City's WHPA/DWSMA in county tax records and data base, or other means, in order that current and future land owners will be aware of issues.

**Source of Action:** City water department, WHP Team

**Cooperators:** Stearns County

**Time Frame:** Immediately, Fall 2001

**Estimated Cost:** Abstract Recording fees, \$100 for publishing, and postage to distribute brochures

**Goal Achieved:** Private well owners will be made aware of the fact that their property is located within the City's WHPA/DWSMA and subject to the WHP Plan.

- **WHP Measure B4-2:** Request that local well drillers notify both the MDH and the City of proposed new wells to be located within the WHPA/DWSMA, through use of brochures and notices to landowners and well drillers

**Source of Action:** WHP Team

**Cooperators:** Local well drillers, MDH, land owners

**Time Frame:** Fall 2001, ongoing

**Estimated Cost:** \$100

**Goal Achieved:** City will have opportunity to discuss the WHP Plan objectives with owners of new wells.

**Objective B – 5:** Identify new high-capacity wells that are proposed for construction in the WHPA/DWSMA, and/or major changes to groundwater appropriations for existing high-capacity wells, to determine whether the pumping of said wells will alter the current boundaries of the WHPA/DWSMA delineations or other portions of the City's WHP Plan.

- **WHP Measure B5-1:** City Staff and staff in the MDH Source Water Protection Unit will coordinate efforts with the DNR Water Appropriations Program to identify proposed high capacity wells in the City's well head protection area, and/or major changes to groundwater appropriations for

existing high capacity wells. Proposed new high capacity wells or changes to current appropriation permits will be evaluated by MDH staff to determine whether proposed pumping will change the boundaries of the delineated wellhead protection area or drinking water supply management area for the City wells or if the vulnerability of the aquifer the wells utilizes will be affected. If either situation is found to be the case, the City and the two agencies will meet with the owner of the existing or proposed high capacity well to inform the owner of the impacts that the new well will have on the City's wellhead protection efforts, and determine financial responsibility for any changes that may be necessary to the Rockville WHP Plan.

**Source of Action:** Rockville Water Department, MDH, MnDNR

**Cooperator(s):** Adjacent and nearby landowners, well operators

**Time Frame:** Beginning Summer of 2001 and ongoing after that

**Estimated Cost:** Limited to staff time and special studies if needed

**Goal Achieved:** The program will always be current and be able to incorporate new owners into its education programs. This action will also assist the City with identifying new wells that are proposed for construction in the DWSMA and determine if the pumping of those wells will affect the City's WHP Plan.

## C. ON - SITE SEWAGE TREATMENT SYSTEMS

**Objective C** - Develop educational programs for property owners regarding the need for having complying on - site sewage treatment systems in the DWSMA.

- **WHP Measure C 1:** Develop and distribute educational material pertaining to the construction, operation, and maintenance of onsite sewage treatment systems in the DWSMA.

**Source of Action:** Extension, SWCD, and the County Environmental Office.

**Cooperators:** U of M Extension, SWCD, and the County Environmental Office.

**Time Frame:** Two to three year into the plan.

**Estimated Cost:** \$250 printing cost for brochures.

**Goal Achieved:** Create awareness of how improper operation and maintenance of onsite sewage treatment systems can affect the DWSMA.

- **WHP Measure C 2:** Encourage local agencies to conduct inspections of septic systems in the DWSMA and develop a priority for upgrading non-complying systems.

**Source of Action:** SWCD and County Environmental Office.

**Cooperators:** SWCD and County Environmental Office.

**Time Frame:** Through the life of the plan.

**Estimated Cost:** No direct cost is anticipated other than staff time.

**Goal Achieved:** To prevent the contamination of the water supply in the DWSMA by non-complying septic systems.

- **WHP Measure C 3:** Rockville WHP Program will support efforts of the Local Units of Government (LGU) and state to seek adequate funding to upgrade Individual Septic Treatment Systems (ISTS) within the DWSMAs.

**Source of Action:** WHP Manager/Team.

**Cooperators:** City, Townships, County, State, and MDA.

**Time frame:** Beginning Summer 2004, annually, as needed.

**Estimated Cost:** Staff time.

**Goal Achieved:** Provide funding assistance to private landowners to help with replacement of identified non-complying on-site sewage treatment systems.

#### **D. FEEDLOTS**

**Objective D:** Work with livestock producers within the Rockville DWSMA to achieve environmental sustainability and ecological integrity.

- **WHP Measure D-1:** To obtain an agreement with the Stearns County Environmental Services Department to assign a high priority for conducting field visits to all livestock operations located within the DWSMAs to determine compliance with County and State livestock operation regulations and to provide educational opportunities for livestock producers on manure management, permitting, and the management of manure storage basins.

**Source of Action:** City of Rockville

**Cooperators:** *Stearns County Environmental Services Department* will conduct field visits to livestock producers within the DWSMA to determine compliance with County and State livestock operation regulations and provide educational materials for livestock producers on manure management, permitting, and the management of manure storage basins.

*Stearns County Soil and Water Conservation District / Natural Resource Conservation Service* will provide technical and financial assistance to livestock producers that need to implement pollution abatement structures and BMPs within the DWSMAs.

*Certified Crop Consultants / Local CO-OPs* will develop nutrient management plans and assist in the whole farm planning and implementation process.

*City of Cold Spring* will help by advertising educational activities.

*Sauk River Watershed District* will assist in helping to secure funding and with the implementation of BMPs within the DWSMAs.

*Minnesota Department of Agriculture / Minnesota Extension Service* will assist with BMPs educational efforts for livestock producers within the DWSMAs.

**Time Frame:** 2002 and 2003.

**Funding:** Potential funding sources include the Environmental Quality Incentives Program, Clean Water Partnership Grant 319, BWSR State Cost Share / BWSR Feedlot Grant, Sauk River Watershed District Clean Water Partnership 319 Grant and Chain of Lakes SRF Loan, Stearns County Soil and Water Conservation District AgBMP Loan Program.

## E. TANKS

**Objective E 1:** Establish status of existing storage tanks.

- **WHP Measure E 1:** Conduct property survey to identify the current status of storage tanks located within the DWSMA. Identify tanks by category (above ground, underground, agricultural, fuel, etc.) and identify with parcel ID number, owner name, contact person and address.

**Source of Action:** Rockville Water Department

**Cooperator(s):** Adjacent and nearby landowners, MPCA, MDA

**Time Frame:** Beginning Summer of 2002 and ongoing after that

**Estimated Cost:** Limited to staff time and special studies if needed

**Goal Achieved:** Identification of the current status of storage tanks located within the DWSMA will assist the WHP Team in determining what course of action to take in assisting landowners.

**Objective E 2:** Distribute BMP's, or other management information to owners of identified storage tanks within the DWSMA.

- **WHP Measure E 2:** Prepare a mailing list of owners of storage tanks and forward to the Minnesota Pollution Control Agency (MPCA) requesting that they be placed on the state's mailing list for the tank newsletter called "The Tank Monitor".

**Source of Action:** WHP Manager, Rockville Water Department

**Cooperator(s):** MPCA

**Time Frame:** Beginning Summer of 2002 and ongoing after that

**Estimated Cost:** Limited to staff in-kind time

**Goal Achieved:** Landowners become aware of proper storage tank maintenance and operation, thereby, reducing threats to the water supply.

## F. MINING/QUARRY

**Objective F - 1:** Coordinate land use permit review between local units of government having land use control authority within the DWSMA.

**WHP Measure F - 1:** Contact local units of government and coordinate permit review of any proposed mining or associated activities within the Cold Spring DWSMA. Discuss applicable BMP's that may be appropriate within the DWSMA if these activities are to be permitted.

**Source of Action:** WHP Manager, WHP Team, City Administrator

**Cooperators:** Townships, City, and County.

**Time frame:** Spring 2001 discuss permit review and approval process for mining operations within the DWSMA. Discuss appropriate BMP's as needed. On-going review and coordination of permit review required.

**Funding:** Staff time only

**Goal:** Protect the City's drinking water supply from potential contamination associated with mining activities and coordinate permit review among local units of government with land use authority within the City of Cold Spring DWSMA.

## G. TURF MANAGEMENT

**Objective G:** Educate and promote the implementation of turf management BMPs within all non-agricultural areas within the DWSMA.

- **WHP Measure G 1:** Provide fact sheets, reports, and news articles to all households within the Wellhead Protection Area.

**Source of Action:** City of Cold Spring, Wellhead Protection Manager

**Cooperators:**

*Minnesota Department of Agriculture* will provide fact sheets and other technical reports, which can be directly mailed to households or used to draft news articles.

*University of Minnesota Extension Service* will provide fact sheets and other technical reports on turf management best management practices concerning golf courses.

*City of Rockville* will provide technical information concerning turf management best management practices through their City Newsletter and other media sources.

*Stearns County Soil and Water Conservation District* will address turf management topics on their weekly KASM radio spot.

**Time Frame:** Continuous through 2010.

**Estimated Cost:** Limited to staff time

**Goal Achieved:** Educate and implement best management practices (bmps) in non-agricultural areas for proper management of applied nutrients.

## **H. TRANSPORTATION CORRIDORS**

**Objective H – 1:** Work to establish a line of communication between the citizens and the city and use that line to educate the citizens of Rockville about how land use activities can impact local water quality.

- **WHP Measure H 1:** Install informational signs at the perimeter of the wellhead protection area on state/city/county roads to compliment signs located at pump houses.

**Source of Action:** WHP Team/Manager.

**Cooperators:** City, County, State DOT.

**Time frame:** Within the next two years.

**Estimated Cost:** \$500

**Goal Achieved:** The traveling public becomes aware of the limits of the wellhead protection area and are supplied with an emergency response contact number.

- **WHP Measure H 2:** Coordinate development of emergency response plan with area and state emergency management entities.

**Source of Action:** WHP Team/Manager.

**Cooperators:** City, Fire Department, County Emergency Coordinator, State DOT, and MPCA.

**Time frame:** 2002

**Estimated Cost:** Limited to staff time and special studies if needed.

**Goal Achieved:** Spills and releases of hazardous materials will be promptly addressed.

- **WHP Measure H 3:** Communicate with contractors, Township, County and State DOT regarding issues related to road construction projects within DWSMA, i.e., storage of construction equipment, borrow pits, storm water, batch plants.

**Responsible Party:** WHP Team/Manager.

**Cooperators:** Township and Stearns County Highway Department, MNDOT, contractors, suppliers.

**Time frame:** Spring 2002.

**Funding:** Limited to staff time and special studies if needed.

**Goal:** Minimize impact to groundwater sources from road construction.

## **I. STORM WATER**

**Objective I:** Work with LGU staff responsible for storm water management, plot approval, and building permits to ensure that new storm water management structures are chosen with wellhead protection in mind, existing storm water management structures are properly maintained, storm water structures have appropriate permits, and industrial ponds are lined. Act as an information and referral source for developers, city staff, and industrial pond operators. Make available notices of upcoming training events, permit applications, and information about proper design and operation of storm water structures.

- **WHP Measure I 1:** Communicate storm water concerns to appropriate units off government, staff and public.

**Source of Action:** WHP Team/Manager.

**Cooperators:** SWCD, City, Township & County Planning & Zoning, BWSR.

**Time frame:** Summer 2004.

**Estimated Cost:** Limited to staff time.

**Goal Achieved:** Minimize impact to groundwater quality from storm water management projects within DWSMA.

## **J. AG CROPS**

**Goal:** Promote and implement best management practices in agricultural areas to reduce potential pollution problems from point and non-point sources (nitrates, phosphorous etc...).

**Objective J1:** Promote the Environmental Quality Incentives Program (EQIP) and other conservation programs within the DWSMA in order to achieve the highest success for implementation of these conservation programs.

- **WHP Measure J 1:** Obtain an agreement with the Stearns County Soil and Water Conservation District and the Natural Resource Conservation Service to assign a priority to the Cold Spring Wellhead Protection Area in order to secure funding through the Environmental Quality Incentives Program. The Environmental Quality Incentives Program provides financial incentives to cooperators for whole farm planning.

**Source of Action:** City of Cold Spring / Wellhead Protection Partners.

**Cooperators:**

*Stearns County Soil and Water Conservation District / Natural Resource Conservation Service* will be the primary agencies in charge of the implementation of the Environmental Quality Incentives Program.

*Certified Crop Consultants / Local CO-OPs* will develop nutrient

management plans and assist in the whole farm planning and implementation process.

*City of Cold Spring* will help by advertising the conservation programs through a newsletter(s), which will be mailed to all agricultural operators within the DWSMA.

*Stearns County Environmental Services Department* will assist in conducting FLEVAL rankings (Pollution Potential Rankings) for all unpermitted basins and feedlots within the DWSMA.

*Sauk River Watershed District* will assist in helping to secure funding and with the implementation of BMPs within the DWSMA.

*Minnesota Department of Agriculture / Minnesota Extension Service* will assist with BMPs educational efforts for agricultural operators within the DWSMA.

**Time Frame:** The EQIP funding will be secured in 2002 with implementation of the conservation programs beginning in 2002 and 2003 and running continuously through 2008.

**Estimated Cost:** Potential funding sources include the Environmental Quality Incentives Program, Clean Water Partnership Grant 319, BWSR State Cost Share / BWSR Feedlot Grant, Sauk River Watershed District Clean Water Partnership 319 Grant and Chain of Lakes SRF Loan, Stearns County Soil and Water Conservation District AgBMP Loan Program.

**Objective J2:** Promote and implement irrigation best management practices on coarse textured soils within the DWSMA.

- **WHP Measure J 2:** Obtain an agreement with the Stearns County Soil and Water Conservation District and the Natural Resource Conservation Service to assign a priority for promoting and implementing irrigation best management practices (irrigation scheduling, uniformity test etc...) within the DWSMA.

**Source of Action:** City of Cold Spring and Wellhead Protection Partners

**Cooperators:**

Stearns County Soil and Water Conservation District / The Natural Resource Conservation Service *will be the primary agencies in charge of conducting the educational events and providing technical assistance.* University of Minnesota Extension Service and the Minnesota Department of Agriculture *will provide scientific expertise and support for educational activities.*

**Time Frame:** On-going

**Estimated Cost:** Potential funding sources include EQIP and the City of Cold Spring Wellhead Protection Fund.

**Objective J3:** Promote best management practices through educational

demonstrations and other assorted field demonstrations and workshops.

- **WHP Measure J 3:** Obtain an agreement with the Stearns County Soil and Water Conservation District and the Natural Resource Conservation Service to conduct a variety of field demonstrations and workshops to help educate farm operators on issues such as nitrogen management, irrigation management and other assorted farm practices.

**Source of Action:** City of Cold Spring and Wellhead Protection Partners

**Cooperators:**

Stearns County Soil and Water Conservation District / The Natural Resource Conservation Service *will be in charge of planning and implementing the assorted field demonstrations and workshops.* University of Minnesota Extension Service *will provide scientific expertise and support for educational activities.*

*Minnesota Department of Agriculture* will provide technical assistance with agricultural practices.

**Time Frame:** These field days and workshops will run continuously through 2010.

**Estimated Cost:** EQIP Educational Fund, City of Cold Spring Wellhead Protection Fund.

## **K. DATA COLLECTION**

**Objective K:** Collect and tabulate additional data ( i.e., groundwater elevations, well driller logs for new wells) relative to local groundwater in order to augment and improve current knowledge of local conditions and to provide additional, more accurate, data for future revisions of the City's WHP Plan.

- **WHP Measure K 1:** Gather and record water quality data from City and other area wells on a regular basis and maintain a record of static water levels.

**Source of Action:** Rockville Water Department

**Cooperator(s):** Private well owners

**Time Frame:** Beginning summer 2001, annually

**Estimated Cost:** \$200 annually

**Goal Achieved:** By monitoring numerous wells that surround the city wells, the city can detect changes in groundwater supplies and detect contaminants before they reach the city wells.

## **CHAPTER SIX**

### **EVALUATION PROGRAM (4720.5270)**

The success of the wellhead protection source management strategy must be evaluated in order to determine whether the plan is actually accomplishing what the City of Rockville set out to do. The following activities will be implemented to:

- 1) Track the implementation of the objectives identified in the previous section of this plan,
  - 2) Determine the effectiveness of specific management strategies regarding the protection of the city water supply, and
  - 3) Identify possible changes to these strategies that may improve their effectiveness.
- 
1. Members of the wellhead protection team, City Council, and the WHP plan

manager drive through the drinking water supply management area on a regular basis to identify any changes in land use or contaminant source management practices which may adversely impact the city water supply.

2. The wellhead protection team will meet on an as-needed basis, with a minimum of one annual meeting, to review the results of each strategy and identify whether modifications are needed.
3. The wellhead protection plan manager will make an annual written report to the city council regarding progress in implementing the wellhead management objectives of this Plan. The annual reports will be compiled and used to review the overall progress in implementing source management strategies when the City's wellhead protection plan is updated in 10 years. Send a copy of the annual report to the Minnesota Department of Health WHP contact, Minnesota Rural Water, and the County Water Planner.

## **CHAPTER SEVEN**

### **ALTERNATIVE WATER SUPPLY; CONTINGENCY STRATEGY. (4720.5280)**

#### **INDEX**

- A. PURPOSE
- B. PUBLIC WATER SUPPLY CHARACTERISTICS
  1. Current Supply Source
  2. Treatment
  3. Storage and Distribution
  4. Maps and Plans
- C. PRIORITY OF WATER USERS DURING WATER SUPPLY EMERGENCY

D. ALTERNATIVE WATER SUPPLY

1. Surface Water Sources and Treatment
2. Bottled Water
3. System Interconnects
4. Other Alternative Water Resources

E. INVENTORY OF AVAILABLE EMERGENCY EQUIPMENT AND MATERIALS

F. NOTIFICATION PROCEDURES

1. Lead Coordinating Agency
2. Incident Assessment Team
3. Public Information Plan

G. MITIGATION AND CONSERVATION PLAN

1. Mitigation
2. Conservation

**Annual Plan Review**

<i>Date Reviewed</i>	<i>Reviewer</i>	<i>Comments</i>
February, 2001	Water Superintendent	

**Plan Distribution**

<i>Person</i>	<i>Organization</i>	<i>Plan Location</i>

Prepared by: Wellhead Protection Team  
 Date Approved: March 6, 2002

**A. PURPOSE**

The purpose of this Contingency Plan is to establish, provide and keep updated, certain emergency response procedures and information for the City of Rockville 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.

To provide a safe and abundant supply of water during an unlikely event such as contamination or failure of existing wells.

**B. PUBLIC WATER SUPPLY CHARACTERISTICS**

1. Current Supply Source  
 Two (2) wells, ranging in depth from 42 to 93 feet in depth, drawing from an unconfined aquifer.

	City Well Number 2	City Well Number 3
Supply Source	Unconfined groundwater aquifer	Unconfined groundwater aquifer
Well Depth (ft.)	42'	93'

Well Diameter (in.)	12"	12"
Well Capacity (gpm)	300	400
Well Production (gpm)	150	350

2. Treatment  
Chlorine is fed at each well for disinfection. Polyphosphate is fed at each well to sequester iron and manganese.
3. Storage and Distribution  
The system currently contains two (2) elevated storage reservoirs, 50,000 and 150,000 gallon water towers, in addition to appurtantent piping and valving. The water system contains all metered connections. Some of the distribution piping is looped, but the system does contain eleven (11) dead ends.
4. Maps/Plans  
The City has current, up-to-date maps of the water system prepared by Short, Elliott, and Hendrickson Engineering. Copies of maps are stored at: City Hall, the City maintenance shed, the City of Cold Spring Wastewater Treatment Plant and at the Mayor's home.

**C. PRIORITY OF WATER USERS DURING WATER SUPPLY EMERGENCY**

Water Use Category	Maximum daily use (gpd)	Minimum daily use (gpd)
Residential	110,000	30,000
Institutional	0	0
Commercial	1167	1133
Business	4067	2833
Irrigation	0	0
Non-metered City Use *	6767 *	3333 *
Wholesale	0	0

\* Primarily City use for fire fighting and main flushing.

**D. ALTERNATIVE WATER SUPPLY OPTIONS**

1. Surface water sources and treatment needs.  
Nearby surface waters include Mill Creek and the Sauk River. The Minnesota National Guard Unit, located at Camp Ripley, MN, can provide emergency treatment of surface waters for human consumption. The following procedure is recommended:
  - 1) Contact the County Sheriff (320-251-4240) to request assistance from the MN Nat'l Guard.
  - 2) Sheriff contacts MN National Guard, Division of Emergency Management, Duty Officer (800-422-0798), Community Support Group (651-282-4013) to request assistance for the City.
  - 3) The MN National Guard can provide a portable "ROWPU" (Reverse Osmosis Water Purification Unit) capable of supplying 900 gph, or 15 gpm.
2. Bottled water supplies, delivery and distribution.
  - 1) **The MN National Guard**, Camp Ripley, MN, (see above for notification procedure) can furnish a Water Buffalo Trailer to haul potable water from another water supply to a City distribution point or facility.
  - 2) **SAMS CLUB**, St. Cloud, MN, (Manager: 320-253-8882) can supply bottled water in an emergency. The City must purchase the water from a SAMS CLUB vendor. Possible discount if purchased in truckload units (24 pallets w/60 1-Gallon bottles)

per pallet). Vendor will deliver truckload only; City could pick up smaller purchases.

3) **Spring Water**, Clearwater, MN, 320-743-3363 has bottled water available for purchase.

4) **Culligan Service**, St. Cloud, MN, will deliver bottled water upon request (800 – 5 gal. Bottles/40 per pallet, on hand at all times) at approximately \$5.00 per bottle in pallet quantities. 24 hour contact: Carla Schaefer, General Manager.

Office: 320-252-2382

Home: 320-293-6680, emergency only

Cell Phone: 320-293-6683

3. System interconnects with other water supplies.  
The possibility exists in the future for an interconnect with the Hansen Farm irrigation well located near the City.
4. New well.  
Not being considered at this time.
5. Emergency or backup wells.  
Either existing City Well could supply the short-term needs of the community. The wells are located in separate fields, either has adequate capacity.
6. Emergency treatment of water system.  
The City has equipment necessary to feed liquid chlorine to an interconnected well. For equipment, chemicals or assistance contact:
  - 1) Hawkins Water Treatment Group, Inc  
3000 E. Hennepin Avenue  
Minneapolis, MN 55413  
612-331-9100.
  - 2) MN National Guard  
Camp Ripley Community Support Group  
651-282-4013.
7. Source Management (blending).  
The City water system is currently providing a blended water supply from the existing wells.

**E. INVENTORY OF AVAILABLE EMERGENCY EQUIPMENT AND MATERIALS**

Description	Owner	Telephone	Location
Well Repair	Fischer Well & Pump	320-255-1010 320-398-7645	6866 Co Rd #146 Kimball, MN 55353
Pump Repair	Electric Motor Service	320-251-8691	2020 Division Street P.O. Box 1224 St. Cloud, MN 56302-1224
Electrician	Ralph Walz Delta Electric	320-255-9394 Home 320-259-0726 Office 320-250-9376 Cell	11053 230 <sup>th</sup> Street Cold Spring, MN 56320
Plumber	Gene's Heating & Plumbing	320-252-6750	P.O. Box 20 Rockville, MN 56369-0020
Backhoe	Jim Kraemer Trucking & Excavating	320-685-3024	807 Main Street, Box 434 Cold Spring, MN 56320
Chemical Feed	Hawkins Water Treatment Group	612-331-9100	3000 Hennepin Avenue E. Minneapolis, MN 55413
Meter Repair	Henry & Associates	320-259-4134 320-654-1408 Fax	23 Pandolfo Place St. Cloud, MN 56303, billing

			510 9 <sup>th</sup> Avenue South Sauk Rapids, MN, warehouse
Generator	City of Rockville	320-249-0409	Lift Station
Generator	City of Cold Spring	320-249-0409	Cold Spring, MN
Generator	Ziegler, Inc. 24 hour generator service & repair	888-320-4292	St. Cloud, MN
Valves, Pipe & Fittings	Molitor Excavating, Inc.	320-252-8010	2310 Co. Rd. #137 Waite Park. MN 56387

**F. NOTIFICATION PROCEDURES**

1. Lead Coordinating Agency – City of Rockville, Minnesota

Water System Personnel	Name	Home Telephone	Work Telephone
Mayor	Vince Schaefer	320-253-1499	320-251-4403 Shop 320-293-6592 Cell
Council Members	Irene Karls	320-252-5681	
Council Members	Don Simon	320-252-6000	
Council Members	Dick Nieters	320-252-6432	
Council Members	Bonnie Ring	320-252-5105	
State Incident Duty Officer			800-422-0798
County Emergency Director	Marv Klug	320-259-3941	
Fire Chief	Randy Dingmann	320-252-2521	320-251-2232
Sheriff	Jim Kostreba	320-259-3700	320-259-3700
Police Chief	Lt. Dave Nohner	320-259-3706	
System Operator	Paul Hoeschen	320-685-4373	320-685-3524 Work 320-249-0409 Cell

School Superintendent	Tom Westerhaus		320-685-4185 School 320-685-4906 Fax
Ambulance	Gold Cross		911 Emergency 320-251-2062 Emergency 320-251-8505 Office
Hospital	St. Cloud		320-251-2700
Power Company	Xcel Energy  Stearns Electric Association		800-641-4400 Gas Emergency  800-541-8441 Electric Emergency  877-292-5939 Electric Emerg. Fax  320-259-6601 St. Cloud 320-256-4241 Melrose 320-256-3618 Fax 800-962-0655
Highway Department			
Telephone Company	Qwest		800-573-1311 24 hr service  800-214-8043 or 800-236-0034 PIN #13207  Doug Isaacson 320-255-8169
Neighboring Water System	City of Cold Spring		Paul Hoeschen 320-249-0409 Cell
MRWA Technical Services	Dave Neiman	800-367-6792	218-820-0595 Cell
MRWA Technical Services	Mark Wettlaufer	800-367-6792	320-815-4991 Cell
MDH Sourcewater Protection	Mike Howe		320-650-1076

## 2. Incident Assessment Team

Responsible Party	Name	Home Telephone	Work Telephone
Mayor	Vince Schaefer	320-253-1499	320-251-4403 Shop 320-293-6592 Cell
Council Members	Irene Karls	320-252-5681	
Council Members	Don Simon	320-252-6000	
Council Members	Dick Nieters	320-252-6432	
Council Members	Bonnie Ring	320-252-5105	
Fire Chief	Randy Dingmann	320-252-2521	320-251-2232
Sheriff	Jim Kostreba	320-259-3700	320-259-3700
Police Chief	Lt. Dave Nohner	320-259-3706	
System Operator	Paul Hoeschen	320-685-4373	320-685-3524 Work 320-249-0409 Cell
County Emergency Director	Marv Klug	320-259-3941	
Hazardous Materials Response		911 local	800-422-0798 statewide
School Superintendent	Tom Westerhaus		320-685-4185 School 320-685-4906 Fax


3. Public Information Plan

- A. Primary spokesperson for the media and/or public comment in the event of an emergency or contamination incident.

Name: Vince Schaefer

Title: Mayor

Address: 541 Caroline Lane, P.O. Box 66, Rockville, MN 56369-0066

Home Phone: 320-253-1499

Work Phone: 320-293-6592

Public Information Center Location during Emergency: Rockville City Hall

Times Available 8:00 AM – 4:00 PM, as needed

- B. Information checklist to be conveyed to the public and media

Name of water system: Rockville City Municipal Water System

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	Cold Spring Record	320-685-8621	P.O. Box 456 Cold Spring, MN 56320
	St. Cloud Times	320-255-8700 Newsroom 320-255-8776 General	Government Section P.O. Box 768 3000 7 <sup>th</sup> Street North St. Cloud, MN 56302-0768
	Sarah Colburn, Reporter	320-202-5418 320-255-8729 Fax	
Television	Channel 10, Pat Grelson (Rocori area access channel)	320-685-7788 320-685-3474 Fax	527 Main Street Cold Spring, MN 56320

	US Cable	320-685-7113 320-685-7134 Fax	P.O. Box 496 402 Red River Avenue N. Suite 5 Cold Spring, MN 56320
Radio	WJON 1240  KCLD 104.7 & 98.9  KCLD/KNSI 99.9	320-251-8060 Fax  320-251-8952 Attn: Fred  320-251-8952 Fax	
Shopper	Shopping News	320-252-4400	3413 3 <sup>rd</sup> Street North St. Cloud, MN 56303
Other			

## G. MITIGATION AND CONSERVATION PLAN

### 1. MITIGATION

- a. **Infrastructure maintenance/upgrades/maps** – System is flushed unidirectional twice per year, maps are current.
- b. **Regular inspection of tower, well, pump house** – Daily inspection of pumps and wells, tower inspected as needed.
- c. **Staff emergency training** – Water & Fire Departments attend regular training provided by Safety First Compliance Management Co.
- d. **System Security Procedures** – Towers have multiple locks, wellhouses are locked, lighted and inspected daily, Controls are accessible only by staff and authorized personnel.
- e. **System valving to isolate problems** – System is adequately valved in order to isolate problem areas.
- f. **Sanitation procedures for construction/repairs** – Shock chlorine, by system staff or contractor.
- g. **Other** – All connections are metered, which helps to focus attention during a crisis

### 2. CONSERVATION

- a. **Water Meters** – All connections metered and read monthly. City can track water use by connection.
- b. **Public Education** – City sends water use reminders, available from MRWA &

MDH, City newsletter.

- c. **Rate structure** – Conservation charge for water is based on flow rate with basic use charge. Flat access fee: \$8.00/month plus \$1.08/1000 gallons used. City evaluates rate structure on an annual basis.
- d. **Other** – Permanent even/odd watering ban.

## APPENDIX

### **REFERENCED DATA FOR PART 2**

<b>Exhibit #1</b>	<b>WHPA/DWSMA Map</b>
<b>Exhibit #2</b>	<b>Potential Contaminant Source Inventory/Maps</b>
<b>Exhibit #3</b>	<b>MDH Scoping Letter</b>
<b>Exhibit #4</b>	<b>Notice Letter to Local Units of Government</b>
<b>Exhibit #5</b>	<b>Public Meeting Comments</b>
<b>Exhibit #6</b>	<b>Sample Informational Brochure</b>

- Exhibit #7            Letters From Local Units Of Government**
- Exhibit #8            Maps: Land Use, Zoning, Utility**
- Exhibit #9            Consumer Confidence Report**
- Exhibit #10          Public Notice for Review and Comment**

**Abbreviations**

<b>BMP</b>	Best Management Practice
<b>CITY</b>	City of Rockville
<b>DWSMA</b>	Drinking Water Supply Management Area
<b>GPS</b>	Global Positioning System
<b>LGU</b>	Local Governmental Unit
<b>MDH</b>	Minnesota Department of Health
<b>DNR</b>	Minnesota Department of Natural Resources
<b>MPCA</b>	Minnesota Pollution Control Agency
<b>MRWA</b>	Minnesota Rural Water Association
<b>PWS</b>	Public Water Supply
<b>PCSI</b>	Potential Contaminant Source Inventory
<b>SWCD</b>	Soil and Water Conservation District
<b>WHP</b>	Wellhead Protection
<b>WHPA</b>	Wellhead Protection Area
<b>WHPP</b>	Wellhead Protection Plan

**EXHIBIT #1**  
**WHPA/DWSMA MAP**



**Wellhead Protection Area  
Drinking Water Supply Management Area**

**City of Rockville, Minnesota**

**EXHIBIT #2**  
**POTENTIAL CONTAMINANT SOURCE INVENTORY/MAPS**

**EXHIBIT #3**  
**MDH SCOPING RESPONSE LETTER**

**EXHIBIT #4**  
**NOTICE LETTER TO LOCAL UNITS OF GOVERNMENT**

**EXHIBIT #5**  
**PUBLIC MEETING MINUTES/COMMENTS**

**EXHIBIT #6**  
**SAMPLE INFORMATIONAL BROCHURE**

**EXHIBIT #7**  
**LETTERS FROM LOCAL UNITS OF GOVERNMENT**

**EXHIBIT #8**  
**MAPS: LAND USE, ZONING, UTILITY**

**EXHIBIT #9**  
**CONSUMER CONFIDENCE REPORT**

**EXHIBIT #10**  
**PUBLIC NOTICE FOR REVIEW AND COMMENT**