

2002

CITY of WYOMING

WELLHEAD PROTECTION

MANAGEMENT PLAN

Dan Sullivan

Director of Public Works and Water Treatment

Terry Huxel

Assistant Director Public Works and
Water Treatment

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LOCKLAND WELLHEAD PROTECTION

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APPENDIX

- Summary of Wellhead Protection Plans and Review Criteria - May 2002 - Ohio EPA	A
- Developing Drinking Water Source Protection Plans - March 2002 - Ohio EPA	B
- Wellhead Protection Area Delineation. Lockland, Ohio - Eagon & Associates, Inc. December 9, 1999	C

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APPENDIX - continued *

- Wyoming Wellhead Protection Potential
Pollution Sources Inventory -
September 2001 D
- Report of Phase I Environmental Site
Assessment 603 and 607 Shepard Drive
July 6, 2000 E
- A Proposal for the Replenishment of Ground
of Ground Water in the Mil Creek Area -
by Paul Kaser, Hydrologist - 1963 F
- Pristine - Round Fifteen Monitoring Well
Sampling Results Pristine, Inc., Reading
Ohio - January 2, 2002 G
- Copy of General Electric, Evendale, Ohio
RCRA permit dated 10/29/02 (concern possible
TCE and TCA ground water contamination H
- Remedial Action Plan for E & J Trailer Sales
& Service prepared by SRW Environmental
Services, October 10, 2002 I

* A copy of all Appendix Items are in the Wyoming
Water Treatment Plant, Wellhead Protection File

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INTRODUCTION

Wyoming currently operates a total of six production wells. Most of the wells are 16-inch tubular wells which are about 195 feet deep. All the pertinent information about the wells is included in the Wellhead Protection Area Delineation Report. (see Appendix C)

Wyoming began preparation of their wellhead protection program in 1999 by contacting Eagon and Associates Inc. , Worthington, Ohio. In planning for the WHPA delineation , it was recognized that a collaborative effort which included Lockland and Glendale would be beneficial. All three well fields draw from the Mill Creek aquifer, and these three systems currently account for most of the pumpage from this section of the Mill Creek ground water resource.

Eagon and Associates Inc. completed the delineation for the three communities on December 9, 1999.

Wyoming completed their Wellhead Protection Inventory of Potential Pollution Sources in May 2001.

The Wyoming Wellhead Protection Management Plan is intended as a viable means of assuring proper management / protection of its valuable drinking water resource.

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DELINEATION

Wyoming Wellhead Protection area delineation was completed by Eagon and Associates, Inc., Worthington, Ohio 43085, December, 9. 1999 (see Appendix Item C)

Ohio EPA endorsed the delineation report on March 6, 2000.(see attached pages for copy of EPA endorsement letter Baker to Robert Harrison)

A copy of this report is available in the following files:

- Wellhead Protection File - Wyoming Water Treatment Plant
- Ohio EPA Central Office
- Ohio EPA Southwest District Office

This Delineation Report includes the hydro geologic framework, data collection and analysis, groundwater flow model, wellhead protection area and references.

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POTENTIAL POLLUTION SOURCES INVENTORY

- The Wyoming Wellhead Protection Potential Pollution Sources Inventory was completed September 2001 and was endorsed by the Ohio EPA, November 8, 2001 (see attached for copy of Ohio EPA letter - Michael Eggert to Dan Sullivan - November 8, 2001)
- In order to keep the Inventory a viable document periodic resurveys of the wellhead protection area potential pollution sources will be made to assure that conditions have remained the same as initially surveyed and that there are no new potential pollution sources
- A resurvey of the potential pollution sources was completed August 2002.
 - Copy of the 2002 survey was sent to Kristy Hunt, Division of Drinking & Ground Water, Ohio EPA, Central Office 122 S Front Street, Columbus, Ohio 43115 and to the Southwest District Office, September 2002

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PROTECTIVE STRATEGIES

PUBLIC INVOLVEMENT

- Wyoming Wellhead Protection Area includes part of two neighboring communities (Lockland & Lincoln Heights). This situation complicates the formation of a meaningful public interest group since the water utility serves only the City of Wyoming.

Until such a committee is formed inter-community communications for Wyoming Wellhead Protection will be maintained by the following city officials:

Wyoming - Chairman

Terry Huxel - Assistant Public Works Director

Lockland

Dean Walden - Director Public Works

However, initial public involvement will be initiated and encouraged by initiating the following:

- Promote the showing of videos at schools, business organization and garden club meetings on the subjects of ground water resources, ground water treatment and water conservation (Source of information - AWWA)
- Invite public schools and community organizations to tour Wyoming Water Treatment Plant

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PUBLIC INVOLVEMENT - continued

- Post EPA spill reporting signs on streets where appropriate
(Initiate 2003) See attached Drinking Water
Protection Area Signs information.

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SOURCE CONTROL

- As previously mentioned in this Plan periodic resurveys will be made of the Wellhead Protection Area (2002 Resurvey completed August 2002)
- Of the twenty nine (29) listed potential pollution sources two are in process or remediation.

<u>SOURCE</u>	<u>PPSI No.</u>	<u>REASON</u>
Mass Reality	5	Good progress in in chemical cleanup
E & J Trailer	16	Awaiting Ohio EPA approval of BUSTR RAP

On going follow up will be maintained on the remediation of these sources until the chemical clean up/remediation is completed.

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SOURCES OUTSIDE PROTECTION AREA

There are potential sources outside the Wyoming Wellhead Protection Areas -

These are:

- Infiltration from Mill Creek (see Appendix Item F for background information)
- Pristine, Inc. Super Fund Site - Reading, Ohio (Ohio EPA)
(see Appendix Item G for current remediation data)
- General Electric Area - Evendale, Ohio (US EPA)
(see Appendix Item H for RCRA permit issued General Electric)

Wyoming has limited knowledge about these sources , but will attempt to keep informed by reviewing available literature and reports. These review effort will be limited by availability of time and funding.

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CONTINGENCY PLAN

- The existing Water Plant Contingency Plan will be modified to include Wellhead Protection Contingencies.

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GROUND WATER MONITORING

- Continue Ohio EPA required annual monitoring (to date monitoring results have not exceeded established MCL's)
- Keep informed on data being obtained by the Federal EPA on their monitoring wells located near the Water Treatment Plant sludge lagoons.